ANNOTATED CHECKLIST OF THE MOTHS AND BUTTERFLIES (LEPIDOPTERA) OF CANADA AND ALASKA

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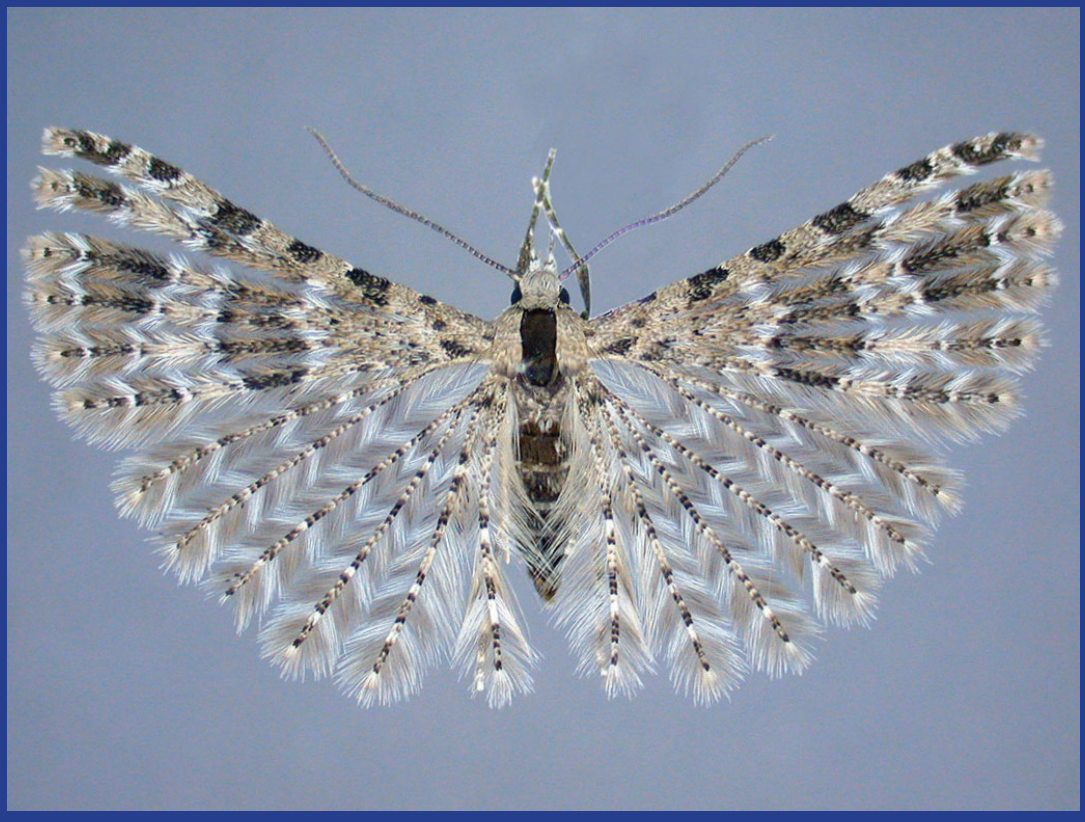

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Front cover photo: *Alucita adriendenisi* Landry & Landry, a recently described species of micromoth that occurs from Quebec to Alberta. Specimen (female paratype) collected 8 km SE of Sherwood Park near Edmonton, Alberta on 28 July 2003. Photo by J.-F. Landry.

Back cover photo: *Catocala blandula* Hulst, which occurs from Prince Edward Island to Alberta. Live individual photographed in Edmonton, Alberta, on 1 July 2015 by Gary Anweiler.

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"*Nomina si nescis, perit et cognitio rerum*."
(If you know not the names of things, the knowledge of things themselves perishes.)
Linnaeus (1739)

"名不正则言不顺"
(If names be not correct, language is not in accordance with the truth of things.)
Confucius (Analects)

Abstract

The first comprehensive checklist of the Lepidoptera of Canada and Alaska is presented. Taxonomic papers, historical regional checklists, and many collections were consulted to prepare the list. The known distributions of species are listed for the provinces and territories of Canada and the state of Alaska in the USA. The province of Newfoundland and Labrador is further divided into separate listings. A total of 5431 species belonging to 82 families are confirmed as occurring in Canada and Alaska, as well as 53 species that have been reported from the region but not yet verified, 19 species listed as interceptions or unsuccessful introductions, and 52 species listed as probably occurring in the region. A total of 318 species have been reported in error in historical works, and they are listed as well, clearly indicated as erroneous records. All erroneous records and uncertain listings are detailed with notes. All Nearctic subspecies and synonyms are included in the list, except for butterfly subspecies (and their synonyms) that do not occur in the region.

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Preface

Over a century ago, C. Gordon Hewitt (1911, 1912) proposed producing a list of the Lepidoptera (and other insects) of Canada, to update the preliminary list by the Natural History Society of Toronto (NHST) (1883). That project got as far as the assembly of a group of experts (including A. Gibson, H.H. Lyman, A.F. Winn, and F.H. Wolley Dod who were responsible for the Lepidoptera), before it was derailed by the first World War and the untimely deaths of some of the key proponents. Now, over a century later, we have realized that goal of producing a comprehensive list of the Lepidoptera of Canada. Although NHST (1883) listed the butterflies and macromoths of Canada, it omitted most of the microlepidoptera and was far from a comprehensive list. The current list is the first attempt to compile all known records and accessible data, as a baseline for the region. It represents an inventory of species' occurrence here, before the changes in species composition and distribution that are expected from the changing climate that is becoming apparent in the early 21st century, as well as from habitat loss and invasive organisms that are occurring at an unprecedented pace. Our hope is that it will be useful for researchers, collectors, resource managers, and conservation workers. We welcome future workers to improve upon our list by clarifying uncertainties, correcting mistakes, and providing new information.

We are including Alaska in this publication, as it is ecologically very similar to the northern parts of Canada. Therefore it is a list of the Lepidoptera of the northern part of North America, excluding Greenland, at the level of the provinces, territories, and other political units. We have listed the Island of Newfoundland separately from Labrador, which together make up the province of "Newfoundland and Labrador".

This checklist was compiled largely by GRP between 1999 and 2016, with additional information added and the entire list vetted by the other authors. Province-, territory-, and state-level information was extracted from taxonomic and biodiversity publications from the past 100+ years, from label data in public and private collections in Canada, as well as from several online sources of information. A total of over 190,000 data records were extracted from these sources, representing over 24,000 unique provincial/territorial/state-level distribution records of valid species. Data sources are detailed in the materials and methods section. We have not thoroughly verified every record appearing in this list; those that are considered uncertain are indicated as such. We believe it is prudent to make this list available now, with those uncertainties, rather than withholding it until it is perfected. Our intent is to produce regular updates so that some version of this document will remain current and accessible.

Although each of the authors of the list had a significant role in various aspects of the overall publication, specific authorship has also been assigned to each family in the list.

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captured for this publication. This work would not have been possible without the aforementioned vast community of colleagues who have shared their time and expertise. If we have missed anyone, we sincerely apologize for the oversight.

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Introduction

Moths and butterflies comprise the insect order Lepidoptera, characterized by two pairs of scale-covered wings, and, in most groups, reduced mandibles. Evolutionarily, butterflies represent just a small branch of the insect lineage that is the Lepidoptera. Butterflies are primarily day-flying and usually brightly coloured; most moths are nocturnal and tend to be more cryptically coloured. Presently about 158,000 Lepidoptera species are known worldwide, but many more are discovered every year, and the actual total is thought to be between 300,000 and 400,000 (Kristensen et al. 2007). Butterflies are much better known than moths, but moth species outnumber butterfly species by at least 10 to one. An excellent summary of the higher classification of the order was presented by Aarvik et al. (2017).

Canada and the USA state of Alaska comprise the continental portion of northern North America, excluding Greenland (hereafter abbreviated as nNA). This vast area stretches across almost 150 degrees of longitude and over 40 degrees of latitude, and is ecologically diverse. The far North is comprised of treeless tundra, much of it frozen for all or most of the year. South of this region are subarctic and boreal forest regions, with increasing productivity and diversity. To the west are extensive cordilleran regions associated with the Rocky Mountains and Coastal Mountain ranges, with diverse habitats ranging from semidesert and grasslands to alpine tundra and snowfields. South of the boreal forest are the western parkland and grasslands, and the eastern deciduous and Atlantic forests. All these regions provide a vast array of potential habitat for Lepidoptera species. Almost all of this region was covered with thick ice during the last ice age, so virtually the entire biota has moved into the area within the past 10,000 years. Some exceptions to this are some areas of the northwest (Beringia), the Pacific Coast, and Sable Island off the coast of NS, all of which were unglaciated at that time and harbour endemic species. Very few endemic species are known from other parts of nNA. Relative to more ancient habitats such as the Neotropical forests of Central and South America, the Lepidoptera fauna of nNA is much less diverse, and the individual species living there tend to be more widespread and vagile.

Due to human activity over the past 500 years, much of southern NA was converted to agricultural cropland. Today only small islands of some habitats such as native prairie and old growth Carolinian Forest remain. The High Arctic, Subarctic, and Boreal Forest regions remained relatively undisturbed until the 1900s. More recently, the past three decades saw significant climatic changes that will undoubtedly have an impact on the Lepidoptera fauna. International trade in the past 400 years has brought in many exotic species. Historically most of those that have become established have originated in similar temperate climates of Europe, but more recently, species from far eastern Asia, Australia, and Africa became established as well. This checklist, which incorporates extensive historical records, will serve as a baseline for the faunistic changes that are expected to occur as we proceed deeper into the Anthropocene in the 21st century.

Much of our detailed taxonomic knowledge of Lepidoptera of nNA comes from specific taxonomic works, which are cited throughout the list. Most of these cover the entire Nearctic fauna, but a few (for example McDunnough 1934, McGuffin 1967, 1972, 1977, 1981, 1987, 1988, Bolte 1990) are specific to Canada. Lists of the Lepidoptera of all of North America north of Mexico were published by Dyar (1902; the last full catalogue), McDunnough (1938, 1939), Hodges et al. (1983), and Poole (1995). A provisional new list of the Lepidoptera of NA was released by Pohl et al. (2016).

Although this is the first comprehensive list of the Lepidoptera of nNA, smaller portions of this region have been dealt with previously. Alaska (AK) was the subject of a recent checklist of moths (Ferris et al. 2012) and detailed treatment of butterflies (Philip & Ferris 2016), and we are largely simply reiterating those records here for completeness. The Canadian Lepidoptera as a whole were reviewed in a book chapter by Munroe (1979), including a family-level summary of the state of our knowledge, and a rough count of 4692 known species and a total fauna estimated to be 6734 species. (Note that the former number is based on miscalculations; a detailed analysis by GRP (unpublished data) indicates that the number of described species that were known to occur in Canada in 1979 was approximately 4110 species.) The butterflies of

Canada were treated in detail by Layberry et al. (1998), but new discoveries and taxonomic changes continue to accumulate. A series of monographs by McGugan (1958) and Prentice (1962, 1963, 1965) summarized Canadian records of over 1000 species of forest Lepidoptera collected over many years by the Forest Insect and Disease Survey (FIDS) of the Canadian Forest Service (CFS) branch of Natural Resources Canada. Dombroskie (2011) released a matrix key to families, subfamilies, and tribes of Lepidoptera of Canada.

Lepidoptera were included in a list of the insects of Canada that was published by the Natural History Society of Toronto (1883). It is a simple list with no more detailed information, but it includes eastern as well as some western species. However, it excludes the majority of microlepidoptera. Many Palaearctic names are among the 933 included species, because at that time many Nearctic species had yet to be distinguished from their Old World counterparts.

Within Canada, the Lepidoptera fauna of Yukon Territory (YT) was compiled by Lafontaine & Wood (1997), but many new records have been discovered since then. No comprehensive lists have been published for the Northwest Territories (NT) or Nunavut (NU), although the butterflies and macromoths of NT were listed by Blades & Pohl (2016a, b). Note that NU was part of NT until 1999, so old specimen locality labels can be misleading. The moths of all Canadian territories are rather poorly known, but the butterflies have been fairly extensively collected. Many butterfly species are endemic to the High Arctic and Alpine ecoregions. Much of AK and some of YT are part of Beringia, a region that included part of northeast Asia, and was not covered by ice sheets during the last ice age. As a result, several endemic species occur there, and many species that are present there also occur in Asia (Kononenko et al. 1989).

British Columbia (BC) has a long history of Lepidoptera inventory work (see Pohl et al. 2015b for a review). Significant lists were published by Anderson (1904), ESBC (1906), Blackmore (1927), Jones (1951), Cannings & Scudder (2007), and Pohl et al. (2015b). The butterflies were thoroughly covered by Guppy & Shepard (2001). Early BC Lepidoptera lists were based almost entirely on records from several active resident collectors in the Victoria and Vancouver areas, and at Kaslo in the Southern Interior. By the time of Jones (1951), other sites in the interior had been partially documented (McDunnough 1927a, Buckell 1947), but the northern half of the province, including the boreal forest and parkland habitats of the Peace River region, are still far from thoroughly surveyed. Recent collecting efforts by Dave Holden have produced many recent additions to the BC fauna. The E-fauna BC website (Klinkenberg 2013) and Pacific Northwest Moths website (Crabo et al. 2015) compile many recent Lepidoptera records in the province.

Alberta (AB) also has a long history of Lepidoptera inventory, with significant lists published by Dod (1901-06 and updates 1908-15), Bowman (1919 and updates 1921-44; 1951), and Pohl et al. (2010 and updates 2011-16). Popular treatments of AB butterflies were published by Acorn (1993) and Bird et al. (1995). Modern Lepidopterists in AB are quite active through the coordinating efforts of the Alberta Lepidopterists' Guild (ALG). Most noteworthy were Alberta Parks bioinventory projects of the Canadian Shield (Schmidt & Pohl 2001, Macaulay & Pohl 2002, 2003) and Subarctic Ecoregion (Schmidt et al. 2004, Macaulay & Pohl 2005), multi-year surveys of Aspen Parkland habitats by Charley Bird (2012a-j), and of several parks and protected areas by ADM (Macaulay & Dunne 2001; Macaulay 2006, 2008, 2009, 2016a-c). Other recent surveys by ALG members include Anweiler (2006a, b), Christensen (2006), Pohl et al. (2004), and Schmidt & Roland (2006). As a result of these efforts, the boreal forest and parkland are well-sampled in AB, but many species await discovery in the grasslands and Rocky Mountains.

Saskatchewan (SK) owes almost all its documentation of Lepidoptera diversity to Reverend Ron Hooper, who published a book on the butterflies (Hooper 1973) and a series of 18 papers on the macromoths (Hooper 1987-2007). He and GRP were working on a checklist of micromoths when Reverend Hooper passed away in 2010. That work has been incorporated here into the current list. Reverend Hooper also almost single-handedly built the insect collection in the Royal Saskatchewan Museum, now called the Ronald R. Hooper Entomology Collection. Due to the work of Reverend Hooper and the FIDS program of Natural Resources Canada, the parkland and forested regions are relatively well known, but the grasslands undoubtedly hold many new discoveries. Prior to 1905, AB and SK were part of NT, so some locality information associated with very old specimens can be misleading and has been the source of errors.

Significant lists of Manitoba (MB) Lepidoptera were published by Hanham (1895-1901), Heath (1895-1908), and Brodie (1929). A thorough popular treatment of the butterflies was published by Klassen et al. (1989). Thanks to the extensive collecting by pioneering entomologist Norman Criddle in the early 1900s, the fauna at Aweme (near Brandon) is particularly well known. There has been little Lepidoptera

collecting in MB in recent years, but the extensive inventory work by Richard Westwood of the University of Winnipeg is a notable exception.

In Ontario (ON), a list of the butterflies and macromoths was published by Riotte (1992). Ward et al. (1974) compiled a list of over 800 species of macromoths from the Kingston area of eastern ON. Sanders (1991) published an extensive list of Lepidoptera records from Black Sturgeon Lake. Recently, Hall et al. (2014) published a detailed popular guide to the butterflies of ON, an update to the earlier list by Holmes et al. (1991). A large community of collectors and enthusiasts has emerged recently in southern ON, and the province continues to reveal many new records, particularly among the micromoths.

Quebec (QC) has a strong tradition of collecting and documenting Lepidoptera, and the butterflies and macromoths are very well known. The first list was published by Winn (1912). Handfield et al. (1997) published a comprehensive list of the Lepidoptera of QC and Labrador (LB), and detailed treatments of the butterflies and macromoths followed (Handfield 1999, with corrections in 2002; revised in 2011).

A list of the butterflies and macromoths of New Brunswick (NB) was published by McIntosh (1898-1904). Little was added to the knowledge for almost a century, but in recent years, several collectors and photographers have been compiling records, including regional surveys by Webster et al. (2005, 2006), Thomas (2001), and Thomas et al. (1998). A revised list of butterflies and macromoths was appended to Webster et al. (2006).

The Lepidoptera of Nova Scotia (NS) are fairly well known, thanks in large part to the work of J.H. McDunnough and D.C. Ferguson at the NS Provincial Museum. The first NS checklist was of butterflies and macromoths, and was published by Perrin & Russell (1912; updated by Perrin 1915), and this was thoroughly updated by Ferguson (1954). Wright (1989) published a list of the Lepidoptera of Sable Island, an ecologically important site that includes several endemic species and subspecies. Many significant new records have resulted from the recent survey work of Fritz McEvoy of Dingwall, NS.

The Lepidoptera of Prince Edward Island (PE) are rather poorly known. Most records are held elsewhere but a public collection exists at the University of PE in Charlottetown. Recent survey work by Bob Harding is filling in many previously unrecorded species.

The Lepidoptera of LB were included in Handfield et al. (1997), and Handfield (1999, 2011), but the region has not been extensively sampled and many records remain undiscovered. Lists of the Newfoundland (NF) and LB butterfly and macromoth fauna were published by Krogerus (1954) and Morris (1980), the latter an avid resident collector for many years. Recent survey work by Shelley Pardy of the NF Department of Environment and Conservation and David Langor of Natural Resources Canada, as well as authors ADM and GRP, will fill in many gaps once all the material is processed and identified.

Materials and Methods

Taxonomic nomenclature:

To provide a taxonomic framework for this list, a comprehensive list of all North American Lepidoptera names (species, subspecies, and synonyms) was compiled by GRP, with assistance from B. Patterson and J. Pelham, and it has been made available online in provisional form (Pohl et al. 2016). It was based upon "The Checklist of the Lepidoptera of North America" by Hodges et al. (1983) and "Nomina Insecta Nearctica" by Poole (1995), with corrections and additions to capture new species and taxonomic changes published since 1980. Referred to subsequently as the "P3 list", it represents the most complete and up to date nomenclature for North American Lepidoptera in existence today. Except as noted, the P3 list is used as the taxonomic framework for the current list. The superfamily and family classification is based primarily upon van Nieukerken et al. (2011), and classification at the subfamily level is primarily from Kristensen (1998). Some parts of the latter have been superseded by more recent changes, notably those introduced by Regier et al. (2015) and van Nieukerken et al. (2016) for non-ditrysian groups; Kawahara et al. (2016) for Gracillariidae; Sohn et al. (2013) for Yponomeutoidea; Heikkilä et al. (2014) and Sohn et al. (2016) for Gelechioidea; Regier et al. (2012) for Tortricidae; Scholtens & Solis (2015) and Nuss et al. (2016) for Pyraloidea; and Lafontaine & Schmidt (2013, 2015) for Noctuoidea. The finding by Kawahara & Breinholt (2014), that the Gelechioidea may be a more advanced clade within the Obtectomera, is somewhat contentious and has not been followed here; we retain the position of Gelechioidea among the basal Apoditrysia following van Nieukerken et al. (2011). Significant recent works that have contributed to the P3 List classification scheme are as follows:

Micropterigidae	Davis & Landry (2012)
Hepialidae	Nielsen et al. (2000)
Nepticulidae	van Nieukerken et al. (2016), van Nieukerken (2016)
Opostegidae	van Nieukerken et al. (2016), van Nieukerken (2016)
Tischeriidae	Puplesis & Diškus (2003)
Tineidae	Robinson (2003)
Psychidae	Sobczyk (2011)
Gracillariidae	de Prins & de Prins (2005, 2016), Kawahara et al. (2016)
Yponomeutoidea	Lewis & Sohn (2015)
Heliodinidae	Hsu & Powell (2004)
unassigned family	Sohn et al. (2013) (removal of *Cycloplasis* from the Yponomeutoidea)
Douglasioidea	Karsholt & Nielsen (2013) (recognition as a superfamily)
Autostichidae	Lee & Brown (2010) (Symmocinae)
Blastobasidae	Adamski & Hodges (1996)
Coleophoridae	Baldizzone et al. (2006)
Scythrididae	Landry (1991)
Cosmopterigidae	Sinev (2002)
Gelechiidae	Lee et al. (2009)
Alucitidae	Gielis (2003)
Pterophoridae	Gielis (2003)
Tortricidae	Brown (2005) (genus and species-level); Razowski (2009) (Palaearctic Tortricidae); Regier et al. (2012) (higher classification); Metzler & Brown (2014) (classification of Cochylini)
Papilionoidea	Pelham (2008, 2016); Warren et al. (2008) (new Hesperiidae tribe Moncini)
Pyraloidea	Munroe et al. (1995); Nuss et al. (2003-2016); Scholtens & Solis (2015)
Saturniidae	Tuskes et al. (1996)
Sphingidae	Tuttle (2007)
Geometridae	Scoble (1999) (species-level taxonomy); Young (2006) (higher taxonomy); Ferguson (2008) (higher taxonomy)

Noctuoidea	Poole (1989) (synonyms and detailed nomenclature of Noctuidae and most Erebidae); Lafontaine & Schmidt (2010, 2011, 2013, 2015), Zahiri et al. (2011, 2013, 2014) (higher taxonomy and valid species list); Schintlmeister (2013) (nomenclature of Notodontidae)

In all but a few exceptional cases we have used the most recent available published taxonomic arrangements. Thus, when conflicting classification schemes and taxonomic interpretations exist, we give the most recent one priority, except in a few cases (detailed in notes within the list) where a newer work is not well-supported, and/or has been widely rejected by experts. We deal entirely with valid named species, except in a few cases where undescribed species have been previously published as such, and are well known despite not having been formally named. Taxa of uncertain placement are treated as such in the list, with an explanation in the notes. Taxa described since the latest revision are inserted after their nearest reported relative. If no comprehensive taxonomic sequence exists for a group, we list taxa alphabetically under the next highest category. We do not recognize forms and aberrations, which have no formal taxonomic standing, although they are generally listed among the synonyms. Common historical misapplications of extralimital names are treated as synonyms, with the term "of authors" appended to the species epithets.

Distribution data sources:

Provincial, territorial, and state distributional data were compiled from a large number of taxonomic publications, published regional works, collections, and selected databases, as follows.

A) taxonomic publications:

Distribution records were obtained from a vast number of taxonomic papers. For moths, we attempted to obtain and check all papers dealing with Nearctic species published between 1950 and 2016. Significant older works and a few newer works were also checked. For butterflies, we did not carry out an exhaustive literature search, but relied primarily on Layberry et al. (1998), Philip and Ferris (2016), and provincial-level works, and augmented that information with taxonomic literature published since 1990.

When multiple revisions have been done on a group, we generally relied only on the most recent one, unless an older work contained more detailed distributional information than the newer work. In total, well over 1000 taxonomic publications were checked for relevant records.

B) regional checklists:

We searched for and gathered information from published checklists at the national, provincial, territorial, and state level, as well as selected works at broader scales and at finer regional scales. These works included the following:

AK: Ferris et al. (2012) (moths)
Philip & Ferris (2016) (butterflies)
Canada: the Natural History Society of Toronto (1883)
YT: Lafontaine & Wood (1997)
BC: Anderson (1904)
ESBC (1906)
Blackmore (1921-24)
Blackmore (1927)
Jones (1951)
Cannings & Scudder (2007)
Pohl et al. (2015b)
Dyar (1904) (Kootenay district)
McDunnough (1927a) (Seton Lake region)
Buckell (1947) (Shuswap Lake region)
Shepard (1999) (Peace River region)
Fischer et al. (2000) (Chilcotin district)
Guppy & Shepard (2001) (butterflies)
deWaard (2010) (several BC interior sites)

AB:	Dod (1901-06 and supplements 1908-15)
	Bowman (1919 and supplements 1921-44)
	Bowman (1951)
	Pohl et al. (2010 and supplements 2011-16)
	Bird et al. (1995) (butterflies)
	Morneau (1998) (EMEND field site near Peace River)
	Pohl et al. (2004) (Lakeland Provincial Park region)
	Schmidt & Roland (2006) (Ministik Hills region)
	Bodeux (2012) (EMEND field site near Peace River)
	Kamunya (2012) (EMEND field site near Peace River)
SK:	Hooper (1973 and supplement 1986) (butterflies)
	Hooper (1987-2007) (macromoths)
	Hooper & Pohl (unpublished data) (draft micromoth checklist)
MB	Hanham (1895-1901)
	Heath (1895-1908)
	Brodie (1929)
	Kearfott (1905b) (microlepidoptera)
	Klassen et. al. (1989) (butterflies)
ON	Riotte (1992)
	Ward et al. (1974) (Kingston area)
	Sanders (1991) (Black Sturgeon Lake)
	Hall et. al (2014) (butterflies)
QC	Winn (1912)
	Handfield et al. (1997)
	Handfield (1999 and supplement 2002, 2011)
LB	Handfield et al. (1997)
	Handfield (1999 and supplement 2002, 2011)
NF	Krogerus (1954)
	Morris (1980)
	Morris (unpublished data [1987]) (draft micromoth checklist)
NB	McIntosh (1898-1901 and supplement 1904)
	Thomas et al. (1998) (Fundy National Park)
	Thomas (2001) (Acadia Research Forest)
	Webster et al. (2005, 2006) (Saint John River region)
NS	Perrin & Russell (1912), and update (Perrin 1915)
	Ferguson (1954a)
	Wright (1989) (Sable Island)

We have also examined checklists from neighboring states of the USA: Moore (1955) and Nielsen (1998, 1999) (MI), Grehan et al. (1995) (VT), and Brower (1974-1984) (ME). Additionally, several publications treating areas larger than the province/state/territory level were consulted for this project, including Belton (1988), Forbes (1923, 1948, 1954, 1960), Lafontaine (1996), Lafontaine et al. (2001), Lafontaine & Troubridge (2011), The Lepidopterists' Society (1995-2016), McGugan (1958), Pohl et al. (2014), Powell & Opler (2009), and Prentice (1962, 1963, 1965). The list of Canadian Lepidoptera presented in the Wild Species 2015 report (Canadian Endangered Species Conservation Council 2016) was based on a draft version of the present list.

Distribution records were extracted from all the taxonomic works and checklists discussed above, resulting in over 190,000 records which were entered into an electronic database organised following the P3 List of North American nomenclature. Records were captured from all the provinces and territories of Canada, as well as AK. Labrador and insular Newfoundland were reported separately. Records were also captured from the northern tier of states in the contiguous USA, to gather more complete information on species distributions, and to identify species that may occur undiscovered in Canada. Uncertain records were tracked as such. Records were entered under the species epithet (and subspecies or variety if applicable) used in the original publications, so that the records attached to a given name would remain linked to that name when subsequent taxonomic changes were applied to the P3 List. This process resulted in some erroneous records under previous taxonomic arrangements, but the vast majority of these have been noted as such and corrected in the vetting process. Notes were made when extralimital names were used

that were not found in the North American nomenclature list — names that were regularly encountered were added to the nomenclature list as extralimital synonyms with the term "of authors" appended to the species epithet.

We also gathered some other information, such as region of origin and date of introduction (for introduced species), type locality (for some taxonomic groups), and relevant information on past identification and nomenclatural issues. We also ensured that new species and taxonomic changes mentioned in taxonomic works were accurately captured in the North American nomenclature framework of the P3 List.

We have not attempted to systematically extract the records from Covell (1984) or Beadle & Leckie (2012), although we do cite a few specific records from the former. The maps in the latter are an indication of expected distribution, based on general ecological zones rather than verified distribution records. However, we made extensive use of these works when interpreting and evaluating the veracity of records from other sources.

C) Online databases:

Online databases that were consulted for records include the following:

Barcode of Life Data System (Ratnasingham & Hebert 2007) (www.barcodinglife.org). A complete dataset of all Canadian records was made available to GRP in Feb. 2014. Selected newer records have been added as well.

BugGuide (2016) (www.bugguide.net). Selected records based on verified photographs have been extracted from the site, but we have not systematically extracted all records from the region.

iNaturalist (www.iNaturalist.org). Selected records based on verified photographs have been extracted from the site, but we have not systematically extracted all records from the region.

The Macromoths of Canada (Troubridge & Lafontaine 2003) (www.cbif.gc.ca/spp_pages/pdfs/index_e.php). A website with provincial and territorial lists and images of macromoth species of Canada.

The Moth Photographers Group (2013) (http://mothphotographersgroup.msstate.edu/). The range maps on this website were consulted, and a few individual records have been included, but Canadian records were not systematically incorporated from this site, because there are significant numbers of unvetted unvouchered records there which could not be properly verified. Most Canadian records on this site are reiterations of data from the sources that we list above.

Pacific Northwest Moths website (Crabo et al. 2013) (http://pnwmoths.biol.wwu.edu/). All records pertaining to Canada were extracted, vetted, and incorporated in late 2015.

D) Collection Holdings:

Records were obtained from a large number of insect collections. Those that were extensively or completely inventoried are marked with an asterisk (*); others were inventoried only for particular groups, or had only significant new records noted. Collections examined are as follows:

Acorn	John H. Acorn collection and data, Edmonton, AB
ACSJ*	AAFC Research Station, St. John's, NF
ADM	A. Douglas Macaulay collection, Devon, AB
AFC*	CFS Atlantic Forestry Centre, Fredericton, NB
AGRL*	AAFC Research Station, Lethbridge, AB
AMNH	American Museum of Natural History, New York, NY
Anweiler	Gary G. Anweiler collection and data, Edmonton, AB
Avis	E. (Libby) Avis collection and data, Port Alberni, BC
BDUC	University of Calgary, Calgary, AB
Bélanger	Carle Bélanger collection, Havre-Saint-Pierre, QC
BIRD	Charles D. Bird collection, Erskine, AB (recently donated to UASM)
BMNH	British Museum of Natural History, London, England
CanFIAS	CFS Canadian Forest Invasive and Alien Species database, Edmonton, AB
CFIA	Canadian Food Inspection Agency data, Ottawa, ON
CFS-CB	CFS Laboratory, Corner Brook, NF
Charpentier	Alain Charpentier collection, Saint-Hyacinthe, QC

CLRC*	University of P.E.I., Research Collection, Charlottetown, PE
CMNH	Carnegie Museum of Natural History, Pittsburgh, PA
CNC*	Canadian National Collection of Insects and Arachnids, Ottawa, ON
Crabo	Lars Crabo collection and data, Bellingham, WA
CUIC*	Cornell University Insect Collection, Ithaca, NY
DEBU	University of Guelph collection, Guelph, ON
deWaard	Jeremy R. deWaard personal data, Guelph, ON
Dombroskie	Jason J. Dombroskie datafile, Ithaca, NY
FMNH	Field Museum of Natural History, Chicago, IL
Glaeske	Daniel Glaeske collection, Assiniboia, SK
GRP*	Gregory R. Pohl personal collection, Sherwood Park, AB
Handfield, D.	Daniel Handfield collection, Saint-Mathieu de Beloeil, QC
Handfield, L.	Louis Handfield collection, Mont-Saint-Hilaire, QC
Harding*	R.W. (Bob) Harding personal photo voucher collection, Summerville, PE
Harp	Chuck E. Harp data, Littleton, CO
Hilchie	Gerald Hilchie collection, Edmonton, AB
Holden	Dave Holden collection, Port Coquitlam, BC
Juneau	Normand Juneau collection, Saint-Maurice, QC
Kondla	Norbert G. Kondla collection, Calgary, AB
Kozial	Ron Kozial collection, Bjorkdale, SK
Landry, B.	Bernard Landry collection, Geneva, Switzerland
Landry, L.P.	Léo-Paul Landry collection, Shawinigan, QC
LEMQ*	Lyman Entomological Museum, McGill Univeristy, Montreal, QC
Leuschner	Ron H. Leuschner collection, Manhattan Beach, CA (deceased)
Marshall	Steven Marshall data, Guelph, ON
McEvoy*	Fritz McEvoy collection, Dingwall, NS
MCZ	Museum of Comparative Zoology, Harvard University, Cambridge, MA
MMMN*	Manitoba Museum of Man and Nature, Winnipeg, MB
MUN*	Memorial University, St. John's, NF (on long-term loan to NFRC)
MZHF	Zoological Museum, University of Helsinki, Helsinki, Finland
NBPM	New Brunswick Provincial Museum, Saint John, NB
NFEC	NF Environment and Conservation research collection, Corner Brook, NF
NFRC*	CFS Northern Forestry Centre collection, Edmonton, AB
Nicholson	Dean Nicholson collection, Cranbrook, BC
NSPM*	Nova Scotia Provincial Museum, Halifax, NS
OLDS*	Olds College collection, Olds, AB
OSU	Oregon State University collection, Corvallis, OR
Pardy	Shelley Pardy personal data, Corner Brook, NF
Pellmyr	Olle Pellmyr data, Moscow, ID
PFC*	CFS Pacific Forestry Centre Collection, Victoria, BC
PFRA*	Prairie Farm Rehabilitation Administration collection, Indian Head, SK (recently relocated to the CNC)
Pike	E.M. (Ted) Pike collection, Calgary, AB
PMNH	Peabody Museum of Natural History, Yale University, New Haven, CT
Quelch*	Quelch collection, Transcona Museum, Winnipeg, MB
RAM*	Royal Alberta Museum, Edmonton, AB
RBCM*	Royal British Columbia Museum, Victoria, BC
RMNH	Naturalis Biodiversity Center, Leiden, Netherlands (formerly Rijksmuseum van Natuurlijke Historie)
Roever	Killian Roever collection, Phoenix, AZ
ROM*	Royal Ontario Museum, Toronto, ON
RSM*	Royal Saskatchewan Museum, Regina, SK
Schmidt	B. Chris Schmidt personal collection and observations, Ottawa, ON

Scott	Jan Scott collection, Medicine Hat, AB
Shepard	Jon Shepard collection, Corvallis, OR
Stead*	Ken Stead collection, Port Franks, ON
Sylvestre	Jonathan Sylvestre collection, Manseau, QC
UAM*	University of Alaska (Fairbanks) Museum, Fairbanks, AK
UASM*	University of Alberta Strickland Museum, Edmonton, AB
UBC*	University of British Columbia, Spencer Biodiversity Museum, Vancouver, BC
UCB	University of California (Berkeley), Berkeley, CA
UMB*	University of Manitoba Wallis Museum collection, Winnipeg, MB
USDA	USA Department of Agriculture data, Washington, DC
USK	University of Saskatchewan, Saskatoon, SK
USNM	United States National Museum, Washington, DC
UWPG*	University of Winnipeg, Winnipeg, MB
Vargo	Jim Vargo collection, Mishawaka, IN
Webster*	Reginald Webster collection, Charters Settlement, NB
WLNP	Waterton Lakes National Park collection, Waterton, AB
WSU	Washington State University, Pullman, WA

After compiling records from taxonomic works, checklists, online sources, and collections, a master list was compiled of species by province, state, or territory. This was then thoroughly vetted by the authors. Many problematic species and records were investigated; this included old records of taxa in groups that have undergone recent taxonomic work, species that have frequently been misidentified, and species that have been referred to by other names under previous taxonomic arrangements. We have not systematically checked and verified all records that resulted in this list. In assessing the veracity of records, we generally accepted without question the records from newer taxonomic works, and also favoured records from recent published checklists and from collections curated by Lepidoptera experts. Many other collection records were accepted at face value, but unusual and unlikely records were investigated, or at least flagged as unconfirmed. Unpublished collection records that were deemed erroneous are not noted here, but all published records are reported in some manner; either "confirmed", "unconfirmed", or "erroneous". Inevitably the interpretation and vetting of records required some value judgements to be made; we have attempted to do so consistently, and we have documented our reasoning in such matters in the species notes.

Format of the List

Nomenclature:

We list higher taxonomic groups from superfamily to subtribe, but do not list synonyms of these higher taxa. Genera and species are listed in italics in taxonomic order, or alphabetically when no definitive taxonomic order is available. Synonyms are listed alphabetically below the valid taxon. Most generic synonyms are not listed, but we include a few that have been used in recent publications pertaining to nNA. All Nearctic species synonyms are listed. All Nearctic subspecies and synonyms of subspecies are listed for moths, but for butterflies we list only those subspecies (and their synonyms) that have been reported from nNA. Extralimital names that have been commonly used (in at least three publications) in nNA are listed as synonyms of the valid Nearctic species, with the term "of authors" appended to the name. Names that have been used in nNA more sparingly are listed only in the notes to the valid species.

Except as noted in a few cases, we accept the most recent published subspecies concepts, even though many may not represent valid entities depicting geographic variation. For species that have been historically reported in error for nNA, we do not list subspecies or synonyms, unless those names have been used in publications referring to records in nNA.

Author and year of description (the taxonomic authority) are given for all scientific names, separated by a comma to distinguish these entries from literature references. For taxonomic authorities of species-level names, round brackets around the author and date indicate that the name was originally described in a genus other than that in which it is currently placed. Square brackets around the author and/or date indicate an attributed authorship and/or publication date that is different from that stated in the work itself. For all species-level names, the genus that the name was originally described in, is given in italics and brackets after the taxonomic authority.

We adhere to the International Code of Zoological Nomenclature (International Commission on Zoological Nomenclature 1999), with one exception: we present species names in their original spelling, rather than with endings altered to conform with the gender of the current generic name (ICZN article 34.2). This exception follows the practice by most lepidopterists in leading catalogues and checklists, as discussed by Sommerer (2002) and formally adopted by the Societas Europaea Lepidopterologica.

Distribution Data:

Distribution of all species is summarized for the state of AK and the provinces and territories of Canada, with the exception of five species complexes which cannot be adequately separated at the species level. For taxa that are well understood at the subspecific level, we depict distribution at the subspecific level, but for other taxa the subspecies are simply listed with no distribution information.

Species Numbers:

Species numbers are taken from Pohl et al. (2016), except that the species of Nepticuloidea have been renumbered since then, following the phylogenetic sequence of van Nieukerken et al. (2016). Newly documented taxa are inserted with decimal numbers. Species numbers comprise a two-digit superfamily number in smaller font, and a four-digit species number in larger font. An "E" is appended to the number for species reported from nNA in error or only as interceptions, and a "P" is appended to the number for species expected but not yet documented from nNA, but expected there. The five unresolved species complexes have an "X" appended to the number of the first species in the complex.

Abbreviations:

North America (abbreviation "NA") refers to the portion of North America that is north of Mexico; this is not the entire continent but it corresponds closely to the Nearctic faunal region, which is widely used by biologists. The abbreviation "nNA" represents northern North America, which comprises Canada and

Alaska. Standard two-letter postal abbreviations of the provinces and territories of Canada and the states of the United States of America (USA) are used throughout the publication. Abbreviations for the provinces, territories and other political regions covered by this list are the following:

AK Alaska
YT Yukon Territory
NT Northwest Territories
NU Nunavut
BC British Columbia
AB Alberta
SK Saskatchewan
MB Manitoba
ON Ontario
QC Quebec
LB Labrador (mainland portion of the province of Labrador and Newfoundland)
NF The island of Newfoundland
NB New Brunswick
NS Nova Scotia
PE Prince Edward Island

Species that are confirmed residents are indicated with upper case abbreviations; confirmed resident subspecies records (where known) are indicated with lowercase abbreviations. Species records are assigned to the following categories:

R **confirmed resident** (designated with postal abbreviations for state, province, and territory records).
H in **human environments** only.
M regular seasonal **migrant** that does not survive year-round in the region but sometimes immigrates and breeds there.
S occasional **stray**, with no signs of reproducing or overwintering in the region.
XT **extirpated** from the region
U **unconfirmed** presence in the region; these are either plausible old literature records for which no vouchers are known, or known collection records for which the determinations are uncertain or unverified.
XI **unestablished introduction**. These are listed but excluded from the fauna of the region.
IC **interception** of specimens on luggage, trade goods, on vehicles, boats, etc., for which there is no evidence of a wild or reproducing population. These are listed but are excluded from the fauna of the region.
P **probable** occurrence. These species are expected in the region, but they have not yet been found there.
EP **erroneous but probable**. Indicates that previous records of the species in the region are erroneous, but the species is expected there.
E **erroneous** record. Published records that have been deemed incorrect, either because they have been documented as incorrect in a reliable publication, or the specimens in question have been redetermined as another species by an expert, or the record is thought to be so unlikely that an error is the only reasonable explanation.

Initials of the authors of this publication are used as follows:

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BCS B. Chris Schmidt
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GRP Greg R. Pohl
JDL J. Don Lafontaine
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JFL Jean-François Landry
JJD Jason J. Dombroskie
JK John Klymko
JTT Jim T. Troubridge
KS Ken Stead
VN Vazrick Nazari

Other abbreviations used in the document:

AAFC Agriculture and Agri-Food Canada, the Canadian Department responsible for the CNC.
BOLD Barcode of Life Data Systems (http://www.boldsystems.org/), a program at the University of Guelph, in Guelph, ON, to sequence a short portion of variable DNA from living organisms to aid in diagnoses and to assess evolutionary relationships. A large number of Canadian Lepidoptera have been DNA barcoded.
CFS The Canadian Forest Service, a branch of the Canadian Department of Natural Resources.
FIDS the Forest Insect and Disease Survey of the Canadian Forest Service (CFS); a large monitoring program that gathered thousands of rearing and collection records between 1938 and 1995. Some records have been published in McGugan (1958) and Prentice (1962, 1963, 1965), and others are available in an internal NRCan database, but no comprehensive datafile of all FIDS records exists other than on the original paper slips that have been archived at regional CFS centres.

Introduced and Holarctic species:

Species that were introduced to the Nearctic region are indicated with a plus symbol "+" following the original genus. Species that were introduced to nNA from other parts of NA are not indicated in this manner, but that information is included in a note. Holarctic species are indicated with an asterisk "*"; taxa of unknown origin (either holarctic or introduced) are indicated with a double-dagger "‡".

Notes:

Notes on uncertain, questionable, and erroneous records are given beneath the species in question. Nomenclature issues and other information may be listed here as well. A total of 2040 species have accompanying notes.

Erroneous Records:

Erroneous records are included within the main list, but clearly indicated with an "E" in the column(s) of the region(s) reported in error. Nearctic species that do not occur at all in nNA are clearly marked with an "E" appended to the species number. Palaearctic species that have been reported in error from nNA are either listed as synonyms with "of authors" appended, or are mentioned in the notes on the valid species; see the *Nomenclature* section above.

Summary of Lepidoptera Diversity in Canada and AK:

The current checklist includes 5431 species of Lepidoptera that occur nNA, and an additional 53 species that have been reported from the region but are considered uncertain because the records have not yet been verified. Of the 5431 confirmed species, 70 are strays, 19 are migrants, 10 occur only in human environments, and five have been extirpated from the region. An additional 14 species are listed as unsuccessful introductions, 5 species are known only as interceptions, and 52 species are listed as probably occurring in nNA. A total of 318 species have been reported in error from nNA, and they are listed as well, clearly indicated as erroneous records. A more detailed summary of these records appears in Tables 1, 2, and 3. The province of Newfoundland and Labrador, treated as two separate regions here, has a combined Lepidoptera fauna of 1047 confirmed records, as well as 31 unconfirmed, 41 erroneous, and 16 probable records. A total of 23 species are confirmed only from the state of AK, and three more are reported as unconfirmed only from AK. Thus the Canadian fauna contains 5408 confirmed records and 50 unverified records. Two erroneous records were reported only from AK. It is estimated that approximately 1250 more species occur in nNA, as yet undiscovered, for a total fauna of approximately 6750 species.

Table 1. Summary table of Lepidoptera species in AK and Canada, by family. "Known" species include residents, strays, migrants, extirpated species, and species confined to human environments, but species known only via interceptions or unsuccessful introductions are excluded from the numbers. Numbers in brackets in the "Introduced species" field are the number of species of uncertain origin. The numbers of species in North America north of Mexico and worldwide are derived from Pohl et al. (2016), and van Nieukerken et al. (2011), respectively, with a few modifications to incorporate more recent information. Proportions are the known and unconfirmed AK and Canadian records as a proportion of the NA and World records.

	Family	Known	Uncon-firmed	Exp-ected	Hol-arctic	Introduced	NA spp	prop. NA	World spp	prop. World
1	Micropterigidae	2	0	0	0	0	3	0.667	265	0.008
2	Eriocraniidae	3	0	1	0	0	13	0.231	29	0.103
3	Hepialidae	13	0	0	0	1	19	0.684	630	0.021
4	Acanthopteroctetidae	2	0	1	0	0	4	0.5	8	0.25
5	Nepticulidae	66	3	3	6	9 (1)	99	0.697	860	0.08
6	Opostegidae	4	0	0	0	0	10	0.4	192	0.021
7	Prodoxidae	22	0	0	0	1	64	0.344	98	0.224
8	Tridentaformidae	1	0	0	0	0	1	1	1	1
9	Incurvariidae	2	0	0	1	0	6	0.333	51	0.039
10	Heliozelidae	17	0	0	0	0	30	0.567	123	0.138
11	Adelidae	10	0	0	1	0	18	0.556	294	0.034
12	Tischeriidae	14	0	1	0	0	46	0.304	110	0.127
13	Meessiidae	1	0	0	0	0	3	0.333	71	0.014
14	Psychidae	11	0	0	0	4	28	0.393	1350	0.008
15	Dryadaulidae	1	0	0	0	0	2	0.5	50	0.02
16	Tineidae	60	2	2	3	9 (4)	190	0.326	2300	0.027
17	Bucculatricidae	39	0	0	0	0	103	0.379	297	0.131
18	Gracillariidae	164	1	4	2	5 (2)	309	0.534	1866	0.088
19	Yponomeutidae	19	0	0	2	7 (1)	28	0.679	363	0.052
20	Ypsolophidae	13	2	0	0	2	39	0.385	163	0.092
21	Plutellidae	11	0	0	2	0 (2)	16	0.688	150	0.073
22	Glyphipterigidae	15	0	0	0	1	48	0.313	535	0.028
23	Argyresthiidae	31	2	0	1	2 (1)	54	0.611	157	0.21
24	Lyonetiidae	11	0	0	1	2 (1)	19	0.579	204	0.054
25	Attevidae	1	0	0	0	0	1	1	52	0.019
26	Praydidae	2	0	0	0	1	4	0.5	47	0.043
27	Heliodinidae	4	0	0	0	0	31	0.129	69	0.058
28	Bedelliidae	1	0	0	0	0 (1)	2	0.5	16	0.063
29	unassigned family	1	0	0	0	0	2	0.5	5	0.2
30	Douglasiidae	5	0	0	1	0	9	0.556	29	0.172
31	Autostichidae	7	0	0	0	1	25	0.28	650	0.011
32	Lecithoceridae	1	0	0	0	0	2	0.5	1200	0.001
33	Oecophoridae	20	0	0	0	5	38	0.526	3400	0.006
34	Depressariidae	86	1	2	2	9	201	0.433	2300	0.038
35	Cosmopterigidae	29	0	0	0	2 (4)	185	0.157	1730	0.017
36	Gelechiidae	368	2	2	18	16 (10)	902	0.41	4700	0.079
37	Elachistidae	67	1	2	3	2 (2)	156	0.436	830	0.082
38	Coleophoridae	109	0	0	9	11	154	0.708	1400	0.078

	Family	Known	Uncon-firmed	Exp-ected	Hol-arctic	Introduced	NA spp	prop. NA	World spp	prop. World
39	Batrachedridae	6	0	0	0	1 (1)	26	0.231	99	0.061
40	Scythrididae	14	0	0	3	1	44	0.318	650	0.022
41	Blastobasidae	19	0	0	0	0	73	0.26	430	0.044
42	Stathmopodidae	1	0	0	0	0	5	0.2	100	0.01
43	Momphidae	24	0	1	4	3 (2)	47	0.511	60	0.4
44	Pterolonchidae	2	0	0	0	1	4	0.5	30	0.067
45	Lypusidae	1	0	0	0	1	1	1	150	0.007
46	Alucitidae	3	0	0	0	0	3	1	216	0.014
47	Pterophoridae	80	2	1	1	1 (5)	162	0.506	1318	0.062
48	Copromorphidae	2	0	0	0	0	5	0.4	43	0.047
49	Carposinidae	4	0	0	1	0	11	0.364	283	0.014
50	Schreckensteiniidae	3	0	0	1	0	3	1	8	0.375
51	Epermeniidae	8	0	0	0	0	12	0.667	126	0.063
52	Urodidae	1	0	0	1	0	2	0.5	66	0.015
53	Choreutidae	19	0	0	1	1 (1)	33	0.576	406	0.047
54	Galacticidae	1	0	0	0	1	1	1	19	0.053
55	Tortricidae	828	14	8	56	45 (10)	1393	0.604	10387	0.081
56	Cossidae	6	0	0	0	1	46	0.13	971	0.006
57	Sesiidae	60	2	1	2	8 (2)	135	0.459	1397	0.044
58	Limacodidae	18	0	0	0	0	49	0.367	1672	0.011
59	Zygaenidae	3	0	0	0	0	27	0.111	1036	0.003
60	Thyrididae	2	0	0	0	0	12	0.167	940	0.002
61	Hesperiidae	73	1	4	2	1	294	0.252	4113	0.018
62	Papilionidae	18	0	0	4	0	41	0.439	570	0.032
63	Pieridae	42	0	1	4	1	77	0.545	1164	0.036
64	Lycaenidae	66	0	1	4	1	166	0.398	5201	0.013
65	Riodinidae	1	0	0	0	0	29	0.034	1532	0.001
66	Nymphalidae	105	1	1	16	1	229	0.463	6152	0.017
67	Pyralidae	240	4	0	1	15 (1)	682	0.358	5921	0.041
68	Crambidae	291	4	0	14	7 (6)	875	0.337	9655	0.031
69	Mimallonidae	2	0	0	0	0	4	0.5	194	0.01
70	Drepanidae	12	0	1	0	0	21	0.571	660	0.018
71	Lasiocampidae	8	0	0	0	0	35	0.229	1952	0.004
72	Apatelodidae	2	0	0	0	0	6	0.333	145	0.014
73	Bombycidae	1	0	0	0	1	1	1	185	0.005
74	Saturniidae	24	0	0	0	1	76	0.316	2349	0.01
75	Sphingidae	59	1	1	0	3 (1)	131	0.458	1463	0.041
76	Uraniidae	2	0	0	0	0	13	0.154	686	0.003
77	Geometridae	537	1	1	34	10 (9)	1450	0.371	23002	0.023
78	Notodontidae	57	0	0	1	0	137	0.416	3800	0.015
79	Erebidae	342	4	3	13	8	956	0.362	24569	0.014
80	Euteliidae	8	0	0	0	0	17	0.471	520	0.015
81	Nolidae	18	0	0	0	2	39	0.462	1738	0.01
82	Noctuidae	1185	5	10	61	19	2522	0.472	11772	0.101
	[other not in nNA]						25	0	3100	0
	TOTAL	5431	53	52	276	224 (67)	12784	0.429	157445	0.035

Table 2. Family totals for AK and each of the provinces and territories of Canada. Counts include residents, strays, migrants, extirpated species, species confined to human environments, as well as unconfirmed records.

	Family	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
1	Micropterigidae	0	0	0	0	2	0	0	0	1	1	0	1	0	1	0
2	Eriocraniidae	2	0	0	0	1	1	0	0	2	2	0	0	1	2	0
3	Hepialidae	4	0	2	0	7	6	6	7	8	7	4	3	4	3	1
4	Acanthopteroctetidae	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
5	Nepticulidae	1	5	4	0	22	14	7	9	54	39	1	6	12	18	3
6	Opostegidae	0	0	0	0	2	1	0	2	4	4	0	0	0	2	1
7	Prodoxidae	2	1	1	0	16	16	3	0	5	3	0	2	1	2	1
8	Tridentaformidae	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
9	Incurvariidae	0	0	0	0	2	1	2	1	1	2	1	2	1	2	0
10	Heliozelidae	0	0	0	0	2	1	0	1	15	6	1	1	2	6	0
11	Adelidae	2	3	1	0	6	4	2	1	3	5	2	0	1	2	0
12	Tischeriidae	0	0	0	0	3	3	1	2	10	8	0	0	1	4	0
13	Meessiidae	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
14	Psychidae	0	0	0	0	7	4	1	1	6	7	0	1	3	3	0
15	Dryadaulidae	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
16	Tineidae	7	1	0	0	29	22	18	17	41	42	2	6	12	13	9
17	Bucculatricidae	1	1	1	0	12	8	1	5	25	17	0	2	4	11	3
18	Gracillariidae	10	7	5	0	59	35	25	28	127	114	4	11	23	47	6
19	Yponomeutidae	1	3	1	0	13	5	4	4	12	8	0	4	5	4	0
20	Ypsolophidae	1	0	1	0	13	8	4	5	6	7	1	3	4	3	1
21	Plutellidae	4	5	3	1	6	7	2	1	3	5	3	3	1	1	1
22	Glyphipterigidae	2	0	1	0	4	6	4	4	7	7	1	1	2	4	1
23	Argyresthiidae	4	5	2	0	19	14	6	7	24	18	1	6	8	8	4
24	Lyonetiidae	1	0	0	0	8	2	3	4	5	4	0	0	0	2	0
25	Attevidae	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0
26	Praydidae	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0
27	Heliodinidae	0	0	0	0	1	0	0	1	2	1	0	0	0	0	0
28	Bedelliidae	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0
29	unassigned family	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
30	Douglasiidae	1	2	0	0	2	4	0	2	1	1	0	0	0	0	0
31	Autostichidae	0	0	0	0	3	4	2	0	5	6	0	0	1	0	1
32	Lecithoceridae	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
33	Oecophoridae	3	1	2	0	12	6	6	5	11	12	0	2	3	5	0
34	Depressariidae	7	6	6	0	47	37	28	38	55	44	0	7	24	29	9
35	Cosmopterigidae	0	0	0	0	8	6	6	7	24	15	0	0	2	3	1
36	Gelechiidae	24	47	22	6	168	163	100	118	214	166	9	22	51	89	26
37	Elachistidae	6	12	4	2	15	38	15	15	25	32	7	16	8	9	2
38	Coleophoridae	8	15	5	0	38	48	24	37	77	77	1	13	25	63	20
39	Batrachedridae	0	0	0	0	3	2	1	3	5	4	0	0	1	0	0
40	Scythrididae	2	2	1	0	6	8	6	6	9	11	0	1	2	5	2
41	Blastobasidae	0	1	2	0	9	6	7	7	12	12	0	3	4	9	1
42	Stathmopodidae	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0
43	Momphidae	5	4	2	0	13	13	8	11	16	16	2	6	5	4	2
44	Pterolonchidae	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
45	Lypusidae	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
46	Alucitidae	1	0	1	0	1	3	3	2	3	2	0	0	0	0	0
47	Pterophoridae	11	13	8	5	54	49	24	39	33	34	2	6	15	20	10
48	Copromorphidae	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0

	Family	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
49	Carposinidae	0	0	0	0	1	3	3	3	4	4	0	1	2	3	1
50	Schreckensteiniidae	1	0	0	0	2	2	0	1	2	2	0	1	1	1	0
51	Epermeniidae	1	0	1	0	3	5	2	2	4	4	0	2	2	2	0
52	Urodidae	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0
53	Choreutidae	2	2	1	0	12	10	6	4	9	9	1	3	3	4	2
54	Galacticidae	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
55	Tortricidae	141	109	81	23	441	425	306	383	537	480	55	165	278	326	131
56	Cossidae	0	1	0	0	4	3	3	3	5	5	0	1	3	1	1
57	Sesiidae	9	7	3	0	26	28	17	21	39	31	2	11	14	19	3
58	Limacodidae	0	0	0	0	1	1	2	3	16	15	0	0	8	8	2
59	Zygaenidae	0	0	0	0	0	0	0	2	2	1	0	0	1	0	0
60	Thyrididae	0	0	0	0	2	1	2	2	2	1	0	0	1	1	0
61	Hesperiidae	4	6	8	2	29	30	38	39	52	32	5	4	21	15	12
62	Papilionidae	5	5	4	1	11	8	7	6	8	6	2	2	4	4	2
63	Pieridae	16	17	17	8	28	23	17	20	21	16	8	6	6	7	5
64	Lycaenidae	12	14	14	8	44	38	36	29	36	30	8	7	23	21	18
65	Riodinidae	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
66	Nymphalidae	48	50	50	20	74	71	60	63	52	53	29	23	37	34	26
67	Pyralidae	16	14	12	2	135	99	69	88	138	118	10	29	67	73	27
68	Crambidae	42	43	39	9	132	128	99	122	195	177	33	55	95	111	44
69	Mimallonidae	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
70	Drepanidae	6	0	2	0	11	9	8	7	8	8	6	7	8	8	4
71	Lasiocampidae	1	1	2	0	4	5	5	6	7	6	1	3	6	6	4
72	Apatelodidae	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0
73	Bombycidae	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
74	Saturniidae	0	0	3	0	7	7	6	10	17	11	1	1	8	8	5
75	Sphingidae	6	6	8	3	23	28	30	36	46	38	7	14	30	32	18
76	Uraniidae	0	0	0	0	1	1	1	2	2	2	0	0	1	1	0
77	Geometridae	155	116	90	18	365	305	245	255	302	294	121	167	251	236	112
78	Notodontidae	8	4	4	0	24	25	33	41	54	52	11	12	43	45	29
79	Erebidae	33	34	38	7	123	125	127	155	259	229	22	43	153	144	66
80	Euteliidae	0	0	0	0	1	1	2	2	7	4	0	0	2	3	0
81	Nolidae	1	0	2	0	7	5	6	8	15	13	0	2	7	8	0
82	Noctuidae	217	195	163	31	719	662	543	572	613	577	163	272	444	414	234
	TOTAL	835	759	617	146	2853	2598	1994	2278	3316	2967	527	961	1747	1912	851

Table 3. Counts for various categories of records for AK and the provinces and territories of Canada.

Category	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
Confirmed	805	741	604	141	2761	2505	1907	2137	3181	2881	494	915	1659	1828	828
Stray	4	0	1	0	6	13	17	29	59	30	1	5	24	19	2
Migrant	2	2	2	2	13	16	17	19	18	14	5	8	13	13	9
Human Env.	2	0	0	0	7	10	4	7	10	11	1	4	4	3	1
Extirpated	1	1	0	0	2	0	0	0	4	1	0	0	2	2	0
Unconfirmed	21	15	10	3	64	54	49	86	44	30	26	29	45	47	11
Unestablished	2	0	0	0	8	8	8	1	7	2	0	0	0	2	0
Interception	3	0	0	0	3	1	0	1	3	2	0	0	0	1	0
Probable	9	24	27	14	51	117	125	45	49	212	24	8	38	34	69
Erroneous	31	31	19	3	291	225	110	252	96	136	36	35	54	84	82

THE LIST

Suborder ZEUGLOPTERA Chapman, 1917

Superfamily MICROPTERIGOIDEA Herrich-Schäffer, 1855

1. Family MICROPTERIGIDAE Herrich-Schäffer, 1855 (mandibulate moths)
by J.-F. Landry and G.R. Pohl

Mandibulate moths are very small moths (wingspans of 10 to 15 mm) with functional mandibles. The adults are usually diurnal and are attracted to flowers and feed on pollen, which they crush with their mandibles. Larvae feed on moss and liverworts.

Worldwide, 265 species of micropterigids are known, but many undescribed species likely exist. Three species are known in the Nearctic region; two of which occur in nNA. These moths are extremely localized and inconspicuous, and seldom noticed by the non-specialist. As a result the group is poorly collected, and their distribution in nNA is incompletely known. The family was recently revised for NA by Davis and Landry (2012).

***Epimartyria* Walsingham, 1898**

010001	*auricrinella* Walsingham, 1898 *(Epimartyria)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	NF	--	NS	--
010002	*bimaculella* Davis & Landry, 2012 *(Epimartyria)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
010003E	*pardella* Walsingham, 1880 *(Epimartyria)*	E	--	--	--	--	E	--	--	--	--	--	--	--	--	--	--

NOTE: This species is not known from Canada. Historical BC records refer to *E. bimaculella*.

Suborder GLOSSATA Fabricius, 1775

Infraorder DACNONYPHA Hinton, 1946

Superfamily ERIOCRANIOIDEA Rebel, 1901

2. Family ERIOCRANIIDAE Rebel, 1901 (sparkling archaic sun moths)
by G.R. Pohl

Eriocraniid moths are very small diurnal moths (wingspans of 10 to 15 mm) with vestigial mandibles. Adults of most species are brightly coloured. Larvae are leaf-blotch miners.

Twenty-nine species of eriocraniids are known worldwide, 13 of which occur in the Nearctic region. Three of these occur in nNA, and a fourth is expected. The family was revised by Davis (1978a).

***Dyseriocrania* Spuler, 1910**

070001	*griseocapitella* (Walsingham, 1898) *(Eriocrania)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--

***Eriocrania* Zeller, 1851**

070003	*semipurpurella* (Stephens, 1834) *(Lampronia)*	R	AK	--	--	--	BC	AB	--	--	ON	QC	--	--	NB	NS	--
	a *semipurpurella* (Stephens, 1834) *(Lampronia)* *amentella* (Zeller, 1850) *(Micropteryx)* *inconspicuella* (Wood, 1890) *(Micropteryx)*	r	--	--	--	--	--	--	--	--	on	qc	--	--	nb	ns	--
	b *pacifica* Davis, 1978 *(Eriocrania)*	r	ak	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--
070004	*breviapex* Davis, 1978 *(Eriocrania)*	R	AK	--	--	--	--	--	--	--	--	P	--	--	--	--	--

NOTE: This species is expected in QC, as it occurs in adjacent USA.

***Eriocraniella* Viette, 1949**

subgenus ***Eriocraniella*** Viette, 1949

070005E *aurosparsella* (Walsingham, 1880) *(Micropteryx)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Reported from BC by Buckell (1947). A voucher in the UBC collection is in poor condition and its determination is deemed erroneous.

070008P *platyptera* Davis, 1978 *(Eriocraniella)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species is expected in QC, as it occurs in adjacent USA.

Infraorder EXOPORIA Common, 1975

Superfamily HEPIALOIDEA Stephens, 1829

3. Family HEPIALIDAE Stephens, 1829 (ghost moths)

by G.R. Pohl

Ghost moths are medium-sized to large moths (wingspans from 25 to 100 mm), and are an exception to the generalization that primitive moths are all small. Adults are primarily crepuscular or nocturnal, and females of some species broadcast large numbers of eggs over the ground while in flight. Larvae bore into stems or roots, or tunnel in the ground.

Worldwide, about 630 species of ghost moths are known. Of the 19 species that occur in the Nearctic region, 13 occur in nNA. There are few modern taxonomic works on the group in NA, but a few species are covered in general and regional works such as Forbes (1923). Nielsen et al. (2000) provided a global catalogue and bibliography.

***Gazoryctra* Hübner, 1820**
tax info: Barnes & Benjamin (1925)

110001 *hyperboreus* (Möschler, 1862) *(Epialus)* R -- -- -- -- EP AB SK MB ON QC LB -- -- -- --
NOTE: Reported from BC by Anderson (1904) and ESBC (1906), based on a misidentified specimen from Duncan in the RBCM that has been redetermined as *G. mathewi*. Although no BC records are currently known, this species is known from boreal habitat in AB and likely occurs in the Peace River region in BC.

110003 *confusus* (Edwards, [1885]) *(Hepialus)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --

110004 *roseicaput* (Neumögen & Dyar, 1893) *(Hepialus)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
demutatus (Barnes & Benjamin, 1925) *(Hepialus)*
mutatus (Barnes & Benjamin, 1925) *(Hepialus)*

110005E *pulcher* (Grote, [1865]) *(Hepialus)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Reported from BC as "*Hepialus pulcher macglashlani* Edwards", by Blackmore (1921). *Gazoryctra mcglashlani* is now a valid species; *G. pulcher* does not occur in BC.

110006E *mcglashani* (Edwards, 1886) *(Hepialus)* E -- -- -- -- E E -- -- E -- -- -- -- -- --
NOTE: No confirmed specimens of this CA species are known from nNA. Early records of this species in Canada (from BC by Blackmore 1921; AB by Dod 1914; ON by Forbes 1923) are assumed to refer to *G. novigannus*, which was not described until 1926.

110007 *mathewi* (Edwards, 1874) *(Hepialus)* R -- -- -- -- BC E -- MB -- -- -- -- -- -- --
NOTE: Reported in error from AB by Bowman (1919); pointed out as such by Bowman (1928).

110008 *novigannus* (Barnes & Benjamin, [1926]) *(Hepialus)* R AK -- -- -- BC AB SK MB ON QC -- -- -- -- --
mackiei (Barnes & Benjamin, 1925) *(Hepialus)*

***Korscheltellus* Börner, 1920**

110011 *gracilis* (Grote, [1865]) *(Hepialus)* R -- -- -- -- -- AB SK MB ON QC LB NF NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.
furcatus (Grote, 1883) *(Hepialus)*
labradoriensis (Packard, 1864) *(Hepialus)*
mustelinus (Packard, 1864) *(Hepialus)*

110012 *lupulina* (Linnaeus, 1758) *(Noctua)*+ R -- -- -- -- -- -- -- -- ON P -- -- -- -- --

***Phymatopus* Wallengren, 1869**

110013 *behrensi* (Stretch, 1872) *(Sthenopis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
anceps (Edwards, 1881) *(Hepialus)*
desolatus (Strecker, 1875) *(Hepialus)*
montana (Stretch, 1872) *(Sthenopis)*
tacomae (Edwards, 1874) *(Epialus)*

110014 *californicus* (Boisduval, 1868) *(Hepialus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
baroni (Behrens, 1876) *(Hepialus)*
mendocinolus (Behrens, 1876) *(Hepialus)*
rectus (Edwards, 1881) *(Hepialus)*
sequoiolus (Behrens, 1876) *(Hepialus)*

***Sthenopis* Packard, 1864**

110016 *argenteomaculatus* (Harris, 1841) *(Hepialus)* R -- -- U -- E U SK MB ON QC LB U NB NS PE
NOTE: All known AB vouchers, as well as the vouchers supporting the BC record by Pohl et al. (2015b) were misidentified *S. purpurascens*. These two species have often been confused in collections.
alni (Kellicott, 1885) *(Cossus)*
argentata Packard, 1864 *(Sthenopis)*
los (Strecker, 1893) *(Hepialus)*
perdita Dyar, 1893 *(Sthenopis)*

110017 *purpurascens* (Packard, 1863) *(Gorgopis)* R AK -- NT -- BC AB SK MB ON QC LB NF NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.
quadriguttatus (Grote, 1864) *(Gorgopis)*
semiauratus Neumögen & Dyar, 1893 *(Sthenopis)*

110018 *thule* (Strecker, 1875) *(Hepialus)* R -- -- -- -- -- -- SK MB ON QC -- -- -- -- --

110019 *pretiosus* (Herrich-Schäffer, [1856]) *(Epialus)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
NOTE: This is a recent name change for the species previously known as *S. auratus*, synonymized by Mielke & Grehan (2016).
auratus (Grote, 1878) *(Hepialus)*
eldorado (Pfitzner, 1906) *(Phassus)*

Infraorder NEOPSEUSTINA Davis & Nielsen, 1980

Superfamily NEOPSEUSTOIDEA Hering, 1925

4. Family ACANTHOPTEROCTETIDAE Davis, 1978

by G.R. Pohl and J.-F. Landry

Acanthopteroctetids are very small moths (wingspans of 10 to 16 mm) that resemble caddisflies, but may be brightly marked. They can be separated from most other moths by the vestigial mandibles. This is a small group that is rarely collected and poorly known.

Eight species of acanthopteroctetids are known worldwide; four of these occur in the Nearctic region. Two species have been reported from nNA, and a third is expected. The family was revised by Davis (1978a).

***Acanthopteroctetes* Braun, 1921**
tax info: Davis (1978a, 1984)

130001P *tripunctata* Braun, 1921 *(Acanthopteroctetes)* P -- -- -- -- -- P -- -- -- -- -- -- -- -- --
NOTE: Known globally only from Glacier National Park (MT). It likely occurs in adjacent Waterton Lakes National Park (AB).
tripunctella Davis, 1969 *(Acanthopteroctetes)*

130002 *bimaculata* Davis, 1969 *(Acanthopteroctetes)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

130004 *aurulenta* Davis, 1984 *(Acanthopteroctetes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Infraorder HETERONEURA Tillyard, 1918

Superfamily NEPTICULOIDEA Stainton, 1854

5. Family NEPTICULIDAE Stainton, 1854 (pygmy moths)

by E.J. van Nieukerken

Nepticulids are extremely small moths, with wingspans typically from three to 10 mm. The adult head has a rough vertex and erect seta-like scales, and the antennal scape is enlarged and covers the eye. Nepticulid larvae are normally leafminers on woody plants, but can occur in woody twigs, fruit or galls; a few mine herbaceous plants. Most nepticulid species are highly host specific.

Worldwide, about 860 species are recognized, with many more remaining to be discovered (Doorenweerd et al. 2016). So far, 99 species have been reported in the Nearctic region; 69 of these are reported from nNA, and three more are expected. The group is poorly collected, and the distribution of many species is incompletely known and new species await description. The Canadian Nepticulidae were revised by Wilkinson and Scoble (1979), but that work is largely out of date. Van Nieukerken (1986) contains a more up to date key to genera. A world catalogue was published by van Nieukerken et al. (2016) and is available online (van Nieukerken (2016); the phylogenetic numbers herein follow that sequence rather than Pohl et al. (2016).

***Stigmella* Schrank, 1802**
tax info: Newton & Wilkinson (1982)
Nepticula Heyden, 1843

prunifoliella group Newton & Wilkinson, 1983

160005 *ceanothi* (Braun, 1910) *(Nepticula)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: New for Canada, based on one male specimen recently identified in the CNC.

160006P *cerea* (Braun, 1917) *(Nepticula)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species is expected in QC, as it occurs in adjacent USA.

160007 *intermedia* (Braun, 1917) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: DNA barcode data of this species show two different DNA barcode clusters, partly, but not completely associated with *Rhus typhina* L. and *Rhus aromatica* Aiton, probably representing two species.

160008 *prunifoliella* (Clemens, 1861) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
NOTE: DNA barcode data of *S. prunifoliella* show two different DNA barcode clusters, possibly two species
bifasciella (Clemens, 1862) *(Nepticula)*
serotinaeella (Chambers, 1873) *(Nepticula)*

160009 *rhoifoliella* (Braun, 1912) *(Nepticula)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --
NOTE: DNA barcode data of *S. rhoifoliella* show two different DNA barcode clusters that may be two species

saginella group Wilkinson & Scoble, 1979

160011 *castaneaefoliella* (Chambers, 1875) *(Nepticula)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

160012 *flavipedella* (Braun, 1914) *(Nepticula)* U -- -- -- -- -- -- -- -- U -- -- -- -- -- --
NOTE: This species is unconfirmed for Canada. Wilkinson & Scoble (1979), in their treatment of *S. castaneaefoliella*, excluded a series of specimens from that species but accidentally omitted a further discussion of them elsewhere in the paper. Those specimens, labelled "specimens 1 to 8" by Wilkinson & Scoble, were deemed "conspecific with *S. flavipedella*" by Newton & Wilkinson (1982). Their "specimen 4", from Simcoe (ON), is a misidentified *S. quercipulchella* (slide in CNC, examined by EJvN). Of the other "Specimens 1 to 8", "specimen 5" is from FL; the origin and current location of the remaining 6 specimens is unknown, but they may include true *S. flavipedella* from nNA. As well, a specimen collected recently at Port Franks by KS has been tentatively identified as this species via DNA barcoding.

160013 *macrocarpae* (Freeman, 1967) *(Nepticula)* R -- -- -- -- BC -- -- -- ON QC -- -- NB NS --
latifasciella (Chambers, 1878) *(Nepticula)*

160014 *nigriverticella* (Chambers, 1875) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
NOTE: New for Canada, based on one specimen in Toronto (ON) area from a Malaise trap, larvae collected in 2015 by EJvN on Red Oak (*Quercus rubra* L.) in Gatineau (QC), and one larva in Halifax (NS) collected for an ecological project of M. Kozlov; all records confirmed by DNA barcode.
maculosella (Chambers, 1880) *(Nepticula)*

160015 *saginella* (Clemens, 1861) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
fuscocapitella (Chambers, 1873) *(Nepticula)*
quercicastanella (Chambers, 1873) *(Nepticula)*

160016 *sclerostylota* Newton & Wilkinson, 1982 *(Stigmella)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

betulicola group Johansson, 1971

160017 *betulicola* (Stainton, 1856) *(Nepticula)** R -- YT NT -- U AB SK -- ON QC LB NF -- NS --
NOTE: Recently recognized in NA (van Nieukerken et al. 2016). BC material could not be identified with certainty.

160018 *microtheriella* (Stainton, 1854) *(Nepticula)*+ R -- -- -- -- BC -- -- -- ON QC -- -- NB -- --
NOTE: New for Canada, based on several BOLD records that have been confirmed by EJvN.

160019 *caryaefoliella* (Clemens, 1861) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada. This species has been historically confused with *S. ostryaefoliella*; most records of the former probably belong to this species.

160020 *corylifoliella* (Clemens, 1861) *(Nepticula)* R -- -- NT -- U AB SK MB ON QC -- NF NB NS --
NOTE: The BC record may be *S. betulicola*.

exasperata (Braun, 1930) *(Nepticula)*
minimella (Chambers, 1873) *(Nepticula)*
opulifoliella (Braun, 1914) *(Nepticula)*
paludicola (Braun, 1917) *(Nepticula)*
virginiella (Clemens, 1861) *(Nepticula)*

160021 *juglandifoliella* (Clemens, 1861) *(Nepticula)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on leafmines deposited in the CNC, and DNA barcode records from Thousand Islands (ON).

160023 *myricafoliella* (Busck, 1900) *(Nepticula)* R -- -- -- -- -- -- -- -- -- U -- -- -- NS --
NOTE: Both this species and *S. corylifoliella* can feed on *Myrica* and *Morella*, and are not easy to separate. The published records were all females that cannot be reliably identified, unless DNA barcodes are available.

obscurella (Braun, 1912) *(Nepticula)*

160024 *ostryaefoliella* (Clemens, 1861) *(Nepticula)* U -- -- -- -- E -- -- -- U P -- -- -- -- --
NOTE: Occurrence of this species in Canada is uncertain. The record from BC by Braun (1923), based on a specimen reared from *Betula*, is erroneous. It was later re-identified as *S. corylifoliella* (Wilkinson & Scoble 1979), but more likely is *S. betulicola*. The species as treated by Wilkinson & Scoble (1979) is a composite species; true *S. ostryaefoliella* feeds only on *Ostrya* and possibly *Carpinus*.

tiliella group Puplesis et al., 2002

160025 *tiliella* (Braun, 1912) *(Nepticula)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on a single characteristic leafmine deposited in the CNC.

rhamnella group van Nieukerken et al., 2016

160027 *diffasciae* (Braun, 1910) *(Nepticula)* U -- -- -- -- U -- -- -- -- -- -- -- -- -- --
NOTE: The report from Victoria (BC) by Blackmore (1924) could not be verified.

160029 *rhamnicola* (Braun, 1916) *(Nepticula)* R -- -- -- -- -- -- SK MB ON QC -- -- -- -- --
NOTE: New for Canada, apparently spreading with invasive *Rhamnus* and *Frangula*.

rhamnella (Braun, 1912) *(Nepticula)*

sanguisorbae group van Nieukerken, 1986

160030 *rosaefoliella* (Clemens, 1861) *(Nepticula)* R -- -- -- -- BC AB -- MB ON QC -- -- -- NS --

lapponica group Johansson, 1971

160031 *confusella* (Wood & Walsingham, 1894) *(Nepticula)** R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: Recently recognized in NA (van Nieukerken et al. 2016) without details. This species is new for Canada, based on malaise trap samples from MB, confirmed by EJvN via DNA barcode and genitalic dissection.

160032 *lapponica* (Wocke, 1862) *(Nepticula)** R -- YT -- -- BC AB -- -- ON QC -- NF NB -- --
NOTE: Recently recognized in NA (van Nieukerken et al. 2016) without details; it is listed herein as new for Canada, based on DNA barcode data and confirmed by genitalia dissections.

160034 *slingerlandella* (Kearfott, 1908) *(Nepticula)* R -- -- -- -- BC AB -- -- ON QC -- -- NB -- PE
NOTE: DNA barcode data of this species show two different DNA barcode clusters; possibly two species are lumped under this name.

salicis group Johansson, 1971

160035 *salicis* (Stainton, 1854) *(Nepticula)*ǂ R -- YT -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: New for Canada, based on DNA barcodes and confirmed by genitalia dissections. It is still unclear whether this is an introduced or Holarctic species.

160036 *aromella* Wilkinson & Scoble, 1979 *(Stigmella)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --

160037 *fuscotibiella* (Clemens, 1862) *(Nepticula)* R -- YT NT -- -- AB U MB ON P -- -- -- NS --
NOTE: The *Salix* feeding *Stigmella* species form a complex with several NA species, of which *S. fuscotibella* is possibly the commonest, but this needs to be checked. The SK record is based on two specimens that cannot be identified with certainty.

ciliaefuscella (Chambers, 1873) *(Nepticula)*
discolorella (Braun, 1912) *(Nepticula)*
furcotibiella (Riley, 1891) *(Nepticula)*

160039 *populetorum* (Frey & Boll, 1878) *(Nepticula)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --

quercipulchella group Wilkinson & Scoble, 1979

160041 *quercipulchella* (Chambers, 1882) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
terminella (Braun, 1914) *(Nepticula)*

anomalella group Johansson, 1971

160043 *anomalella* (Goeze, 1783) *(Phalaena)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- --
NOTE: New for Canada, based on specimens reared from leafmines on *Rosa* collected in 1988 EJvN (in RMNH).

160044 *centifoliella* (Zeller, 1848) *(Nepticula)*+ R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
pectocatena Wilkinson & Scoble, 1979 *(Stigmella)*

hybnerella group Johansson, 1971

160045 *taeniola* (Braun, 1925) *(Nepticula)* R -- -- -- -- -- AB -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on larva and leafmines collected in ON in 2015 by EJvN, and adults collected in AB in 2014 by GRP.

160046 *stigmaciella* Wilkinson & Scoble, 1979 *(Stigmella)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

oxyacanthella group Johansson, 1971

160047 *minusculella* (Herrich-Schäffer, 1855) *(Nepticula)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
chalybeia (Braun, 1914) *(Nepticula)*

160048 *oxyacanthella* (Stainton, 1854) *(Nepticula)*+ R -- -- -- -- BC -- -- -- ON P -- -- -- NS --
pomivorella (Packard, 1870) *(Micropteryx)*

160050 *crataegifoliella* (Clemens, 1861) *(Nepticula)* R -- -- -- -- BC -- -- -- ON P -- -- -- -- --

160052 *purpuratella* (Braun, 1917) *(Nepticula)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
scinanella Wilkinson & Scoble, 1979 *(Stigmella)*

160053 *scintillans* (Braun, 1917) *(Nepticula)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --

argentifasciella group van Nieukerken et al., 2016

160054 *argentifasciella* (Braun, 1912) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on leafmines deposited in the CNC, and leafmines collected by EJvN in 2015.

aurella group Johansson, 1971

160055 *villosella* (Clemens, 1861) *(Nepticula)* R -- -- -- -- -- -- -- -- -- QC -- -- -- NS --
NOTE: New for Canada, based on several adults from BIO confirmed by DNA barcode data.
dallasiana (Frey & Boll, 1876) *(Nepticula)*

lemniscella group van Nieukerken et al., 2016

160056 *apicialbella* (Chambers, 1873) *(Nepticula)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on one female specimen in the CNC, and leafmines collected by EJvN in 2015.
leucostigma (Braun, 1912) *(Nepticula)*

ruficapitella group (sensu lato) Johansson, 1971

160057 *alba* Wilkinson & Scoble, 1979 *(Stigmella)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

160058 *procrastinella* (Braun, 1927) *(Nepticula)* R -- -- -- -- -- -- -- -- ON P -- -- NB -- PE

Bohemannia Stainton, 1859

160060 *pulverosella* (Stainton, 1849) *(Trifurcula)*+ R -- -- -- -- BC -- -- -- ON QC -- -- -- NS --
NOTE: New for NA, based on DNA barcode analysis of 1 adult from BIO and large series in the CNC reared from apple (*Malus* spp.) in NS; leafmines and larvae collected in 2015 in ON; and mines in the CNC from QC. Introduction from Europe.

***Glaucolepis* Braun, 1917**

saccharella group van Nieukerken et al., 2016

160061 *saccharella* (Braun, 1912) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

***Fomoria* Beirne, 1945**
tax info: Wilkinson (1979)

weaveri group Puplesis, 1994

160062 *septembrella* (Stainton, 1849) *(Nepticula)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: New for Canada and NA (1 male in the CNC).
160063 *weaveri* (Stainton, 1855) *(Nepticula)** R -- YT NT -- -- AB SK -- -- -- -- -- -- -- --
160064P *hypericella* (Braun, 1925) *(Nepticula)* P -- -- -- -- -- -- -- -- P P -- -- -- -- --
NOTE: This species is expected in southeastern Canada, as it occurs in adjacent USA and its host plants, various *Hypericum* and *Triadenum* spp., are common there.
160065 *pteliaeella* (Chambers, 1880) *(Nepticula)* R -- -- -- -- -- -- -- -- P QC -- -- -- -- --
NOTE: New for Canada, based on mines found on *Zanthoxylum americanum* Mill. along the Ottawa river (QC). The identity of these mines (a new host plant for this species) is based on material reared from CT by EJvN.

***Etainia* Beirne, 1945**
Obrussa Braun, 1915

160066 *albibimaculella* (Larsen, 1927) *(Nepticula)** R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: The recent NA record by van Nieukerken et al. (2016), based on one female from Almonte (ON), collected by L. Mikkola and deposited in MZHF appears to be a misidentification of a new species. It is provisionally listed here pending formal description of the Nearctic species.
160067 *sericopeza* (Zeller, 1839) *(Lyonetia)*+ R -- -- -- -- BC -- -- -- ON QC -- -- -- NS --
160068 *ochrefasciella* (Chambers, 1873) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

***Acalyptris* Meyrick, 1921**
Microcalyptris Braun, 1925

scirpi group van Nieukerken et al., 2016

160074 *thoracealbella* (Chambers, 1873) *(Nepticula)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Material collected in southern ON by KS was confirmed by EJvN; it is the first record of the species in Canada.
badiocapitella (Chambers, 1876) *(Nepticula)*

***Zimmermannia* Hering, 1940**

160078 *bosquella* (Chambers, 1878) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on specimens in the CNC and collected by KS; this species has been historically misidentified *as Z. obrutella*.
obrutella of authors (not Zeller, 1873) *(Trifurcula)*
castaneae (Busck, 1913) *(Ectoedemia)*
heinrichi (Busck, 1914) *(Ectoedemia)*
helenella (Wilkinson, 1981) *(Ectoedemia)*
160079 *grandisella* (Chambers, 1880) *(Nepticula)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS --
acanthella (Wilkinson & Newton, 1981) *(Ectoedemia)*
chloranthis (Meyrick, 1928) *(Ectoedemia)*
160080 *mesoloba* (Davis, 1978) *(Ectoedemia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a record from Manitoulin island (ON), in the CNC.
coruscella (Wilkinson, 1981) *(Ectoedemia)*

***Ectoedemia* Busck, 1907**
tax info: Wilkinson & Newton (1981), Wilkinson (1981)

populella group Wilkinson & Newton, 1981

160083 *populella* Busck, 1907 *(Ectoedemia)* R -- -- -- -- -- AB P MB ON QC -- -- NB -- --
160084 *canutus* Wilkinson & Scoble, 1979 *(Ectoedemia)* R -- -- -- -- BC AB -- -- ON QC -- -- -- NS --

160085 *argyropeza* (Zeller, 1839) *(Lyonetia)*+ R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
downesi Wilkinson & Scoble, 1979 *(Ectoedemia)*

subbimaculella group - satellite taxa Doorenweerd et al., 2015

160086 *trinotata* (Braun, 1914) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on BOLD material and leafmines deposited in the CNC.
160087 *quadrinotata* (Braun, 1917) *(Nepticula)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

platanella group Wilkinson & Newton, 1981

160088 *similella* (Braun, 1917) *(Nepticula)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada. Older Records of *E. platanella* from *Quercus* may well refer to this species.
160089 *platanella* (Clemens, 1861) *(Nepticula)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: The Wilkinson & Scoble (1979) record of an adult was a misidentification of *E. similella*, but leafmines deposited in the CNC are proof of its occurrence in ON.
maximella (Chambers, 1873) *(Nepticula)*
160090 *clemensella* (Chambers, 1873) *(Nepticula)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
160091 *virgulae* (Braun, 1927) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on a BOLD record and leafmines collected by EvN in 2015.

angulifasciella group Wilkinson et al., 1983

160092 *marmaropa* (Braun, 1925) *(Nepticula)* R -- -- -- -- BC AB -- -- -- -- -- NF -- -- --
160093P *nyssaefoliella* (Chambers, 1880) *(Nepticula)* P -- -- -- -- -- -- -- -- P -- -- -- -- -- --
NOTE: This species occurs in adjacent USA and is expected in ON.
160094 *minimella* (Zetterstedt, 1839) *(Elachista)* R -- -- -- -- BC P U -- ON -- -- -- -- -- --
NOTE: DNA barcode data confirms the occurrence of this species in ON. The uncertain SK record is based on mines on *Betula* similar to Palaearctic mines. The holotype of *N. canadensis*, a recently designated synonym, is from BC very close to the AB border.
canadensis (Braun, 1917) *(Nepticula)*
160095 *occultella* (Linnaeus, 1767) *(Phalaena)** R AK -- -- -- -- -- -- -- ON QC -- NF NB -- PE
lindquisti (Freeman, 1962) *(Nepticula)*
160096 *rubifoliella* (Clemens, 1860) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
160097 *ulmella* (Braun, 1912) *(Nepticula)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
andrella Wilkinson, 1981 *(Ectoedemia)*

6. Family OPOSTEGIDAE Meyrick, 1893 (white eye-cap moths)

by G.R. Pohl and E.J. van Nieukerken

Opostegids are very small moths, with wingspans typically from six to 12 mm, and with wings that are slender, lanceolate, and predominantly white. The head has erect seta-like scales; the vertex is rough; the antennal scape is enlarged and covers the eye. Larvae are leafminers.

About 190 species of opostegids are known worldwide, with many undescribed species expected to be found. Ten species are known from the Nearctic region, four of which are known from nNA. Van Nieukerken et al. (2016) published a world catalogue, which is also available online (van Nieukerken 2016). Davis and Stonis (2007) published a monograph of the New World fauna; the phylogenetic numbers herein follow that sequence rather than Pohl et al. (2016).

***Opostegoides* Kozlov, 1985**

160100 *scioterma* (Meyrick, 1920) *(Opostega)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --

***Pseudopostega* Kozlov, 1985**

160102 *albogaleriella* (Clemens, 1862) *(Opostega)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
bistrigulella (Braun, 1918) *(Opostega)*
napaeella (Clemens, 1872) *(Opostega)*
nonstrigella (Chambers, 1881) *(Opostega)*

160103	*cretea* (Meyrick, 1920) *(Opostega)*	R	--	--	--	--	BC	AB	P	MB	ON	QC	--	--	P	NS	PE
160107	*quadristrigella* (Chambers, 1875) *(Opostega)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	--	--
	NOTE: New for Canada, based on BOLD data.																	
	accessoriella (Frey & Boll, 1876) *(Opostega)*																	

Superfamily ADELOIDEA Bruand, 1850

7. Family PRODOXIDAE Riley, 1881 (yucca moths and allies)
by G.R. Pohl

Prodoxids are very small to small moths, with wingspans of 10 to 28 mm, and wings that are held tentiform over the body. The adults are usually diurnal and often have white or golden wings. Larvae bore into fruit, leaves, or shoots. They overwinter as larvae, with the last-instar larvae in some cases diapausing for many years. The species of *Tegeticula* are the well-known yucca moths, which have a well-studied interdependent relationship with yucca plants.

Worldwide, about 100 species of Prodoxidae are known, with most occurring in the Nearctic region. Sixty-four species have been recorded from NA, 22 of which have been reported from nNA.

subfamily Lamproniinae Heslop, 1938

***Lampronia* Stephens, 1829**
Tanysaccus Davis, 1978

210001	*russatella* (Clemens, 1860) *(Incurvaria)*	R	--	--	--	--	--	AB	SK	--	ON	QC	--	NF	--	--	--
	tripunctella Walsingham, 1880 *(Lampronia)*																	
210002	*oregonella* Walsingham, 1880 *(Lampronia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
	gilletella (Busck, 1915) *(Incurvaria)*																	
210003	*capitella* (Clerck, 1759) *(Phalaena)*	R	--	--	--	--	BC	U	--	--	ON	QC	--	--	--	--	--
	NOTE: The identity of AB specimens is uncertain (Pohl et al. 2010).																	
	flavimitrella (Hübner, 1817) *(Tinea)*																	
210004	*corticella* (Linnaeus, 1758) *(Phalaena)*+	R	--	--	--	--	BC	--	--	--	--	QC	--	NF	NB	NS	U
	NOTE: The report from PE by Belton (1988) is unconfirmed.																	
	multipunctella (Duponchel, 1838) *(Incurvaria)*																	
	rubiella (Bjerkander, 1781) *([none])*																	
	variella (Fabricius, 1794) *(Tinea)*																	
210005	*taylorella* (Kearfott, 1907) *(Incurvaria)*	R	--	--	--	--	BC	AB	SK	P	ON	P	--	--	--	--	--
	quieta Braun, 1921 *(Lampronia)*																	
210007	*aenescens* (Walsingham, 1888) *(Incurvaria)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
210008	*sublustris* Braun, 1925 *(Lampronia)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	NS	--
210009	*humilis* (Walsingham, 1888) *(Incurvaria)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
	humulis of authors, [no date] *(Lampronia)*																	

***Tetragma* Davis & Pellmyr, 1992**
tax info: Davis et al. (1992)

210010	*gei* Davis & Pellmyr, 1992 *(Tetragma)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--

subfamily Prodoxinae Riley, 1881

***Greya* Busck, 1903**
tax info: Davis et al. (1992)

210011	*punctiferella* (Walsingham, 1888) *(Incurvaria)*	R	AK	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
	speculella Blackmore, 1926 *(Greya)*																	
210012	*piperella* (Busck, 1904) *(Incurvaria)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
210015	*obscuromaculata* (Braun, 1921) *(Lampronia)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
	augustella Blackmore, 1926 *(Greya)*																	

210017 *politella* (Walsingham, 1888) *(Incurvaria)* R -- -- -- -- BC U -- -- -- -- -- -- -- -- --
NOTE: The sole AB specimen in the CNC, collected near Lac La Biche by GRP in 1994, is not determined with certainty. In Canada, this species is otherwise restricted to the BC interior.

210018 *enchrysa* Davis & Pellmyr, 1992 *(Greya)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

210019 *variabilis* Davis & Pellmyr, 1992 *(Greya)* R AK YT NT -- BC -- -- -- -- -- -- -- -- -- --

210020 *pectinifera* Davis & Pellmyr, 1992 *(Greya)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: A recently collected specimen from Glacier National Park (BC) was identified via DNA barcode data; it is the first known Canadian specimen of this species, which was described from WA.

210021 *variata* (Braun, 1921) *(Lampronia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

210022 *subalba* Braun, 1921 *(Greya)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

***Tegeticula* Zeller, 1873**
tax info: Pellmyr (1999)
Pronuba Riley, 1872

210029 *yuccasella* (Riley, 1872) *(Pronuba)* R -- -- -- -- -- AB -- -- H -- -- -- -- -- --
NOTE: In nNA this species is restricted in Canada to a very small area in southeastern AB where its host plant (*Yucca glauca* Nutt.) occurs. It has been designated as "Endangered" in Canada by COSEWIC (2016). Populations in ON are associated with cultivated plants.
alba Zeller, 1873 *(Tegeticula)*
intermedius (Riley, 1881) *(Prodoxus)*
mexicana Bastida, 1962 *(Tegeticula)*
yuccaella (Boll, 1876) *(Pronuba)*

210034 *corruptrix* Pellmyr, 1999 *(Tegeticula)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: In nNA this species is restricted in Canada to a very small area in southeastern AB where its host plant (*Yucca glauca* Nutt.) occurs. It has been designated as "Endangered" in Canada by COSEWIC (2016).

***Prodoxus* Riley, 1880**
tax info: Davis (1967), Pellmyr et al. (2005)
Agavenema Davis, 1967

210043 *quinquepunctella* (Chambers, 1875) *(Hyponomeuta)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: In nNA this species is restricted in Canada to a very small area in southeastern AB where its host plant (*Yucca glauca* Nutt.) occurs. It has been designated as "Endangered" in Canada by COSEWIC (2016).
paradoxica Chambers, 1878 *(Prodoxus)*

210044 *decipiens* Riley, 1880 *(Prodoxus)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

8. Family TRIDENTAFORMIDAE Davis, 2015 (manzanita moths)
by J.-F. Landry

These small moths (wingspan from 8 to 20 mm) have faintly shiny grey forewings suffused with white and an indistinct dark discal dot. This recently described family comprises a single genus and species which occurs in western NA. The adults fly around manzanita (*Arctostaphylos*; Ericaceae) in early spring but nothing is known of their biology. The sole species was originally described in the prodoxid genus *Lampronia*, and the genus was originally placed in the Incurvariidae.

***Tridentaforma* Davis, 1978**
tax info: Davis (1978b); Powell & Opler (2009); Regier et al. (2015)

210065 *fuscoleuca* (Braun, 1923) *(Lampronia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: This species is known in Canada from three recently discovered records: a specimen in the CNC collected at Errington (BC) in 1975; a specimen in the UASM collected at Big Knife (AB) by C.D. Bird in 2002; and a photo of an individual taken at Camas Hill near Victoria (BC) by J. Gatten in 2016.

9. Family INCURVARIIDAE Spuler, 1898 (leafcutter moths)
by G.R. Pohl

Leafcutter moths are very small moths with wingspans of six to 15 mm, and with iridescent forewings in most species. Larvae are leafminers in the early instar stages; later, they construct cases using silk and cut pieces of leaf, from which they skeletonize leaves.

Approximately 50 species of leafcutter moths are known worldwide. Six species are known from the Nearctic region, two of which occur in nNA. The family has not been revised for many years.

***Paraclemensia* Busck, 1904**
tax info: Nielsen (1982)

210069 *acerifoliella* (Fitch, 1854) *(Ornix)* R -- -- -- -- BC AB U MB ON QC -- NF NB NS --
NOTE: The SK record by Pohl et al. (2014, 2015a) is an unvouchered report from a provincial agriculture employee in the 1970s.
iridella (Chambers, 1873) *(Tinea)*
luteiceps (Walker, 1863) *(Micropteryx)*

***Phylloporia* Heinemann, 1870**

210071 *bistrigella* (Haworth, 1828) *(Tinea)** R -- -- -- -- BC P SK -- -- QC U NF -- NS --
NOTE: The LB records by Dietz (1905) and Forbes (1923) could not be verified.
abalienella (Zetterstedt, 1840) *(Adela)*
aureovirens (Dietz, 1905) *(Incurvaria)*
aureovireus (Dietz, 1905) *(Incurvaria)*
labradorella (Clemens, 1864) *(Incurvaria)*
labradoriella (Walsingham, 1888) *(Incurvaria)*
subammanella (Stainton, 1849) *(Micropteryx)*

10. Family HELIOZELIDAE Heinemann & Wocke, 1876 (shield-bearer moths)

by E.J. van Nieukerken and G.R. Pohl

Heliozelids are extremely small moths, with wingspans from four to 10 mm. The head has a vertex that is typically smooth, with broad, laminate, iridescent scales directed downward over the smooth frons. The antennae are shorter than the wings, with the scape entirely covered by iridescent scales. Adults are diurnal and larvae are leafminers. They construct a flat, oval case by cutting sections from the upper and lower epidermis of the mine, and join these together with silk to form a case, which gives these moths their common name. Hosts are usually trees or shrubs.

Worldwide, about 120 species are known, with 30 species reported from the Nearctic region. A total of 17 species occur in nNA.

***Heliozela* Herrich-Schäffer, 1853**

210072 *aesella* Chambers, 1877 *(Heliozela)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Point Pelee (ON) in the BOLD database.

***Antispila* Hübner, 1825**

210075 *cornifoliella* Clemens, 1860 *(Antispila)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
210076 *freemani* Lafontaine, 1973 *(Antispila)* R -- -- -- -- BC -- -- MB ON QC -- NF -- NS --
210077 *aurirubra* Braun, 1915 *(Antispila)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: AB specimens, previously not identified with certainty (Pohl et al. 2010), share a DNA barcode with specimens from CA. There is however a second, unnamed species, that has been collected in Malaise traps in AB and QC.
210078 *nysaefoliella* Clemens, 1860 *(Antispila)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
nyssaefoliella Chambers, 1878 *(Antispila)*
210079 *isabella* Clemens, 1860 *(Antispila)* R -- -- -- -- -- -- -- -- ON EP -- -- -- U --
NOTE: Records may include new species; see van Nieukerken et al. (2012). The NS record by Lafontaine et al. (2001) could not be verified. The QC record by Handfield et al. (1997) was based on a specimen in LEMQ that was a misidentified *Elachista* species. However, *A. isabella* is expected in the province.
issabella Chambers, 1878 *(Antispila)*
210080 *viticordifoliella* Clemens, 1860 *(Antispila)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: The identity of this species is uncertain, see van Nieukerken et al. (2012).
210081 *ampelopsifoliella* Chambers, 1874 *(Antispila)* R -- -- -- -- -- -- -- -- ON EP -- -- -- -- --
NOTE: The QC record by Handfield et al. (1997) was based on specimens in the CNC and LEMQ that have been redetermined as other *Antispila* species (van Nieukerken et al. 2012, GRP unpublished). However, the species is known from adjacent USA and is expected there.
ampelopsiella Chambers, 1874 *(Antispila)*

ampelopsisella Chambers, 1874 *(Antispila)*

210082 *oinophylla* van Nieukerken & Wagner, 2012 *(Antispila)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

210084 *argentifera* Braun, 1927 *(Antispila)* R -- -- -- -- -- -- -- -- ON -- -- -- -- NS E
NOTE: The CNC PE record is based on a misidentification.

***Coptodisca* Walsingham, 1895**

210088 *lucifluella* (Clemens, 1860) *(Aspidisca)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on a single specimen in the CNC.

ella (Chambers, 1871) *(Aspidisca)*

210090 *magnella* Braun, 1916 *(Coptodisca)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on three specimens in the CNC.

210092 *negligens* Braun, 1920 *(Coptodisca)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

210093 *ostryaefoliella* (Clemens, 1861) *(Aspidisca)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

210095 *splendoriferella* (Clemens, 1860) *(Aspidisca)* R -- -- -- -- -- -- -- -- ON P -- -- U -- --
NOTE: Specimens from NB in the AFC collection require confirmation.

pruniella (Clemens, 1861) *(Aspidisca)*

saccatella (Packard, 1889) *(Lyonetia)*

210096 *arbutiella* Busck, 1904 *(Coptodisca)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

210097 *kalmiella* Dietz, 1921 *(Coptodisca)* R -- -- -- -- -- -- -- -- ON QC LB -- -- NS --

11. Family ADELIDAE Bruand, 1850 (fairy moths)

by G.R. Pohl

Fairy moths are very small to small moths (wingspans from 10 to 25 mm), most of which have extremely long antennae. Adults are diurnal and usually have metallic markings on the wings. The first-instar larvae of adelids may mine leaves of the host; later-instar larvae are case bearers and feed on the lower or fallen leaves of the host.

Worldwide, about 300 species of fairy moths are known. Of the 18 species recorded in the Nearctic region, 10 occur in nNA.

subfamily Adelinae Bruand, 1850

***Cauchas* Zeller, 1839**

Chalceopla Braun, 1921

210102 *dietziella* (Kearfott, 1908) *(Incurvaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

210103 *cyanella* (Busck, 1915) *(Incurvaria)* R -- -- -- -- -- -- -- -- -- -- LB -- -- -- --
NOTE: New for Canada, known in Canada only from a specimen in the CNC from Cartwright (LB).

210105 *cockerelli* (Busck, 1915) *(Incurvaria)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --

210106 *simpliciella* (Walsingham, 1880) *(Incurvaria)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

itoniella (Busck, 1915) *(Incurvaria)*

ovata Braun, 1921 *(Cauchas)*

***Nemophora* Illiger & Hoffmannsegg, 1798**
tax info: Powell (1969)

Elasmion Hübner, 1822

210108 *bellela* (Walker, 1863) *(Adela)** R AK YT NT P BC AB SK P P QC P -- -- -- --

***Adela* Latreille, 1796**
tax info: Powell (1969)

210111 *septentrionella* Walsingham, 1880 *(Adela)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

septentrionelis McDunnough, 1927 *(Adela)*

210115 *trigrapha* Zeller, 1876 *(Adela)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

fasciella Chambers, 1876 *(Adela)*

trifasciella Chambers, 1876 *(Adela)*

210117	*caeruleella* Walker, 1863 *(Adela)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--
	aeruginosella Walsingham, 1890 *(Adela)*																		
	bella Chambers, 1873 *(Adela)*																		
	chalybeis Zeller, 1873 *(Adela)*																		
	iochora Zeller, 1877 *(Adela)*																		
210118	*ridingsella* Clemens, 1864 *(Adela)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
	corruscifasciella (Chambers, 1873) *(Dicte)*																		
	schlaegeri Zeller, 1873 *(Adela)*																		
210119	*purpurea* Walker, 1863 *(Adela)*	R	AK	YT	--	--	BC	AB	SK	MB	ON	QC	LB	--	NB	NS	--
	biviella Zeller, 1873 *(Adela)*																		

Superfamily TISCHERIOIDEA Spuler, 1898

12. Family TISCHERIIDAE Spuler, 1898 (trumpet leafminer moths)

by G.R. Pohl

Tischeriids are extremely small moths, with wingspans from five to 11 mm. The head has a smooth frons and a somewhat roughened vertex; the antennal scape has a prominent tuft of slender scales projecting over the eye. The larvae are leafminers, forming either trumpet-shaped or blotch mines in leaves of deciduous trees and shrubs.

There are about 110 known species of tischeriids worldwide. A total of 46 species are reported from the Nearctic region; 14 of these occur in nNA and one more is expected. The North American species were revised by Braun (1972).

Tischeria Zeller, 1839

230001	*quercitella* Clemens, 1863 *(Tischeria)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	tinctoriella Chambers, 1875 *(Tischeria)*																		

Astrotischeria Puplesis & Diskus, 2003

230005	*solidagonifoliella* (Clemens, 1859) *(Tischeria)*	R	--	--	--	--	--	E	--	MB	ON	QC	--	--	--	NS	--
	NOTE: The report of this species from AB by Pohl & Macaulay (2016) was a data error; this species does not occur there.																		
230013	*astericola* (Braun, 1972) *(Tischeria)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
230014	*occidentalis* (Braun, 1972) *(Tischeria)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--

Coptotriche Walsingham, 1890

230018	*zelleriella* (Clemens, 1859) *(Tischeria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	complanoides (Frey & Boll, 1873) *(Tischeria)*																		
	latipennella (Chambers, 1878) *(Tischeria)*																		
	sulphurea (Frey & Boll, 1878) *(Tischeria)*																		
230019	*citrinipennella* (Clemens, 1859) *(Tischeria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--
	quercivorella (Chambers, 1877) *(Tischeria)*																		
230020	*malifoliella* (Clemens, 1860) *(Tischeria)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	--	U	--
	NOTE: The report from NS by Belton (1988) is unconfirmed.																		
230021	*aenea* (Frey & Boll, 1873) *(Tischeria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
230023	*badiiella* (Chambers, 1875) *(Tischeria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	nubila (Braun, 1920) *(Tischeria)*																		
230026	*castaneaeella* (Chambers, 1875) *(Tischeria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	NOTE: Reported from ON by Prentice (1965) but the only known ON voucher is more recent, collected at Port Franks by KS in 2008. It is known from Gatineau and Aylmer (QC) from larvae collected in 2015 by EJvN.																		
	castanella (Walsingham, 1891) *(Tischeria)*																		
	cinereotunicella (Braun, 1927) *(Tischeria)*																		
	cinerotunicella (Braun, 1972) *(Tischeria)*																		
230029	*admirabilis* (Braun, 1925) *(Tischeria)*	R	--	--	--	--	--	AB	SK	MB	--	--	--	--	--	--	--
230039	*crataegifoliae* (Braun, 1972) *(Tischeria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--

230040P *agrimoniella* (Braun, 1972) *(Tischeria)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species is expected in QC, as it occurs in adjacent USA.
230041 *splendida* (Braun, 1972) *(Tischeria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
230045 *amelanchieris* (Braun, 1972) *(Tischeria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a larva collected recently on *Amelanchier* at Pancake Bay Provincial Park (ON) by EJvN.

Superfamily TINEOIDEA Latreille, 1810

13. Family MEESSIIDAE Căpuşe, 1966
by J.-F. Landry and G.R. Pohl

These very small moths are similar to other tineoids, although they have narrower wings than most others. The larvae construct portable cases from which they feed on lichens.

This family was very recently removed from the Tineidae by Regier et al. (2014). Currently only two genera and 71 species are confirmed as members of it; many of the genera previously placed in the tineid subfamily Meessiinae by Davis & Robinson (1998) were explicitly excluded from the Meessiidae by Regier et al. (2014) based on genetic analysis. Three species of meessiids are known in the Nearctic region, one of which is reported from nNA. That species was treated by Forbes (1923), within the Tineidae. The group is clearly in need of further work, to determine its composition and defining characters.

Eudarcia Clemens, 1860

300001 *eunitariaeella* (Chambers, 1873) *(Tinea)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on a specimen in the CNC, collected at Lac Champlain (QC) by D. Handfield.
coemitariella (Chambers, 1876) *(Tinea)*
coemitariella Dietz, 1905 *(Eudarcia)*
imitatorella (Chambers, 1876) *(Tinea)*

14. Family PSYCHIDAE Boisduval, 1829 (bagworm moths)
by J.-F. Landry and G.R. Pohl

Bagworm moths are small to medium-sized moths, with wingspans ranging from eight to 50 mm. Males are fully winged; many females are brachypterous, apterous, or wormlike, with all body appendages vestigial or absent. Some species exist only as parthenogenetic females, and are best recognized by the larval cases. Larvae of psychids are leaf or lichen feeders and form portable bags or cases, which they carry around with them as they feed. Pupation takes place within the larval bags or cases. Males leave the bag on emergence, and fertilize the female in the bag, through one end of the case.

Worldwide, 1350 species of psychids are known, with most occurring in the Old World. Of the 28 species known from the Nearctic region, 11 occur in nNA. Davis (1964) revised the New World species. Sobczyk (2011) published a world catalogue, which included many new synonyms, status changes, and new combinations. A tribal classification has been proposed for the Palaearctic fauna (Sauter & Hättenschwiler 1991), but genera that are restricted to the Nearctic region remain unplaced below the subfamily level.

subfamily Naryciinae Tutt, 1900
tax info: Sauter & Hättenschwiler (1991, 1999, 2004)

tribe Dahliciini Enderlein, 1936

Dahlica Enderlein, 1912
tax info: Sauter (1956)
Solenobia Duponchel, 1842

300004 *triquetrella* (Hübner, 1812) *(Tinea)*+ R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
300005 *lichenella* (Linnaeus, 1761) *(Tinea)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Siederia* Meier, 1957**
tax info: Sauter & Hättenschwiler (1991)
Solenobia of authors not Duponchel, 1842
Taleporia of authors not Hübner, 1825

300007 *walshella* (Clemens, 1862) *(Solenobia)* R -- -- -- -- U AB -- -- ON QC -- NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there. Reported as unconfirmed from BC by Pohl et al. (2015b), based on putative specimens in the PFC that could not be located.

Naryciinae (unplaced)

***Kearfottia* Fernald, 1904**
NOTE: This genus was placed in the Tineidae in Hodges et al. (1983, and was moved to the Psychidae by Davis & Robinson (1998).

300006 *albifasciella* Fernald, 1904 *(Kearfottia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

subfamily Psychinae Boisduval, [1828]

tribe Psychini Boisduval, 1828

***Psyche* Schrank, 1801**

300008 *casta* (Pallas, 1767) *(Phalaena)*+ R -- -- -- -- BC -- -- -- ON QC -- -- NB NS --

subfamily Oiketicinae Herrich-Schäffer, 1855

tribe Acanthopsychini Tutt, 1900

***Astala* Davis, 1964**

300013 *confederata* (Grote & Robinson, 1868) *(Psyche)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
lepidopteris (Dyar, 1926) *(Pachythelia)*

***Thyridopteryx* Stephens, 1835**

300028 *ephemeraeformis* (Haworth, 1803) *(Sphinx)* R -- -- -- -- -- -- -- -- P QC -- -- -- -- --
coniferarum (Packard, 1864) *(Oeceticus)*
pallidovenata Grossbeck, 1917 *(Thyridopteryx)*
vernalis Jones, 1921 *(Thyridopteryx)*

tribe Apteronini Tutt, 1900

***Apterona* Millière, 1857**

300031 *helicoidella* (Vallot, 1827) *(Tinea)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
helix (Siebold, 1850) *(Psyche)*

Oiketicinae (unplaced)

***Hyaloscotes* Butler, 1881**

300016 *coniferella* (Edwards, 1877) *(Psyche)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
300017 *fragmentella* (Edwards, 1877) *(Psyche)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
300018E *fumosa* Butler, 1881 *(Hyaloscotes)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Bowman's (1919) AB record is assumed to refer to another *Hyaloscotes* species; *H. fumosa* is not known to occur in Canada.
300019 *pithopoera* (Dyar, 1923) *(Pachytelia)* R -- -- -- -- BC AB -- -- P QC -- -- -- -- --
sheppardi Freeman, 1944 *(Hyaloscotes)*

15. Family DRYADAULIDAE Bradley, 1966

by J.-F. Landry

Dryadaulids are very small moths that are similar to other tineoids. They are differentiated by several obscure characters of the wings, genitalia, and mouthparts. Larvae are detritivores or feed on lichens and fungi.

Like Meessiidae, this group was very recently removed from the Tineidae by Regier et al. (2014), and its composition is not entirely settled. About 50 species of dryadaulids are known worldwide; two occur in the Nearctic region, one of which occurs in nNA. The latter was treated by Forbes (1923), within the Tineidae.

Dryadaula Meyrick, 1893

300032 *visaliella* (Chambers, 1873) *(Cyane)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
vesaliella Forbes, 1923 *(Dryadaula)*

16. Family TINEIDAE Latreille, 1810 (fungus moths and clothes moths)

by J.-F. Landry and G.R. Pohl

Most tineid moths are very small, with wingspans of eight to 18 mm. The wings are usually dull and brownish in colour, and they move with a characteristic scuttling run. Most tineid larvae are fungivorous, some feed on detritus, and a few are pests of stored food products, fabrics, fur, or feathers. Many tineid larvae build portable cases, from which they feed. The family includes several stored product pests.

Worldwide, about 2300 species of tineids occur; 190 are known from the Nearctic region, 62 of which have been reported in nNA, and two more are expected. Little taxonomic work has been done on the family in the past 100 years, other than the higher-level taxonomic work of Regier et al. (2014).

subfamily Myrmecozelinae Căpuşe, 1968

Haplotinea Diakonoff & Hinton, 1956

Episcardia Ragonot, 1895

300036 *insectella* (Fabricius, 1794) *(Tinea)*+ H -- -- -- -- -- H H H -- H -- -- -- -- --
misella (Zeller, 1839) *(Tinea)*

subfamily Acrolophinae Fracker, 1915

Amydria Clemens, 1859

300044 *curvistrigella* Dietz, 1905 *(Amydria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
pandurella Dietz, 1905 *(Amydria)*
300046 *effrentella* Clemens, 1859 *(Amydria)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
coloradella Dietz, 1905 *(Amydria)*
effrenatella Stainton, 1872 *(Amydria)*
300048 *obliquella* Dietz, 1905 *(Amydria)* R -- -- -- -- -- -- SK MB -- -- -- -- -- -- --

Acrolophus Poey, 1832

tax info: Hasbrouk (1964)

300052 *texanella* (Chambers, 1878) *(Anaphora)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New Canadian record, known from two BOLD specimens from Pt. Pelee (ON), and from Norfolk Co. (ON) by KS.
barnesii (Dyar, 1900) *(Atopocera)*
hulstellus Beutenmüller, 1887 *(Acrolophus)*
300058P *plumifrontella* (Clemens, 1859) *(Anaphora)* P -- -- -- -- -- -- -- -- P P -- -- -- -- --
NOTE: This species occurs in MI, OH, NY, NH, and ME, and likely occurs in adjacent Canada (Hasbrouck 1964).
angustipennella Beutenmüller, 1887 *(Acrolophus)*
bombycina (Zeller, 1873) *(Anaphora)*
cervinus Walsingham, 1887 *(Acrolophus)*

300060 *popeanella* (Clemens, 1859) *(Anaphora)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada based on a southern ON record by KS.
agrotipennella Grote, 1872 *(Anaphora)*
confusellus (Dyar, 1900) *(Anaphora)*
morrisoni Walsingham, 1887 *(Anaphora)*
scardina (Zeller, 1873) *(Anaphora)*

300081 *morus* (Grote, 1881) *(Eutheca)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: This species was hypothesized to "undoubtedly occur at least sparingly in southern ON" by Hasbrouck (1964). The first known ON specimen was collected at Port Franks in 2007 by KS.

300095E *variabilis* (Walsingham, 1887) *(Orthologhus)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: An old damaged specimen from ON was deemed "extemely questionable" by Hasbouck (1964). The species is otherwise restricted to southwestern USA.

subfamily Nemapogoninae Hinton, 1955

Triaxomera Zagulajev, 1959

300104 *parasitella* (Hübner, 1796) *(Tinea)*ǂ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Nemapogon Schrank, 1802

300105 *acapnopennella* (Clemens, 1863) *(Tinea)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
NOTE: At least some Canadian records of this species appear to be a new species near *N. acapnopennella*, as reported by Pohl et al. (2010).
minutipulnella (Dietz, 1905) *(Tinea)*
minutipulvella (Chambers, 1875) *(Tinea)*

300106 *angulifasciella* (Dietz, 1905) *(Tinea)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Port Franks by KS and confirmed via DNA barcoding.

300107 *auropulvella* (Chambers, 1873) *(Tinea)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
auripulvella (Dietz, 1905) *(Tinea)*

300109 *cloacella* (Haworth, 1828) (*Tinea*)+ R -- -- -- -- BC -- E -- -- -- -- -- -- -- PE
NOTE: Most old records of this species in NA refer to other species of *Nemapogon*, including *N. granella* and *N. variatella* (Landry et al. 2013) (The SK record of Wong & Melvin (1969) refers to a *Nemapogon* species near *acapnopennella*). BC and PE material shares a DNA barcode with European material.

300110E *defectella* (Zeller, 1873) *(Tinea)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Sanders (1991) is assumed to be a misidentification, as no ON records are known at the CNC, where the vouchers from that study were deposited.

300111 *geniculatella* (Dietz, 1905) *(Tinea)* U -- -- -- -- -- -- -- -- -- U -- -- -- -- --
NOTE: The report of "*Tinea arcella* Fab.", a Palaearctic species, by Winn (1912) likely refers to *N. geniculatella*. A voucher specimen for Winn's (1912) record is deposited in LEMQ, but its identity has not been confirmed.

300112 *granella* (Linnaeus, 1758) (*Phalaena*)+ R U -- -- -- BC H H -- ON QC -- -- NB P PE
NOTE: Reported as uncertain for AK by Ferris et al. (2012).
costistrigella (Dietz, 1905) *(Tinea)*
costotristrigella (Chambers, 1873) *(Tinea)*
fascomaculella (Dietz, 1905) *(Tinea)*
fuscomaculella (Chambers, 1873) *(Tinea)*
marmorella (Chambers, 1875) *(Tinea)*
nigroatomella (Dietz, 1905) *(Tinea)*

300114P *molybdanella* (Dietz, 1905) *(Tinea)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species is expected in QC, as it occurs in adjacent USA.

300115 *multistriatella* (Dietz, 1905) *(Tinea)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

300116 *ophrionella* (Dietz, 1905) *(Tinea)* R -- -- -- -- -- -- -- -- ON QC -- NF NB NS --

300118 *rileyi* (Dietz, 1905) *(Tinea)* U -- -- -- -- -- -- -- -- U -- -- -- -- -- --
NOTE: The ON record by Forbes (1923) could not be verified.
atriflua (Meyrick, 1919) *(Tinea)*

300119 *roburella* (Dietz, 1905) *(Tinea)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

300120 *tylodes* (Meyrick, 1919) *(Tinea)* R AK -- -- -- BC AB SK MB ON QC -- NF -- NS PE

300121 *variatella* (Clemens, 1859) *(Tinea)* R -- -- -- -- BC AB SK -- -- QC -- -- -- NS --
NOTE: Western Canadian material is probably a new species near *N. variatella*, but it is provisionally listed here.
apicisignatella (Dietz, 1905) *(Tinea)*
fulvisuffusella (Dietz, 1905) *(Tinea)*
personella (Pierce & Metcalfe, 1934) *(Tinea)*

Tineidae «clade B» Regier et al., 2014

Leucomele Dietz, 1905

300123 *miriamella* Dietz, 1905 *(Leucomele)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

Oenoe Chambers, 1874

300124 *hybromella* Chambers, 1874 *(Oenoe)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This Canadian record is provisionally placed here, but may represent a different *Oenoe* species, possibly undescribed. The genus is in need of taxonomic work.

Homosetia Clemens, 1863

300125 *argentinotella* (Chambers, 1876) *(Semele)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
300128 *bifasciella* (Chambers, 1876) *(Tinea)* R -- -- -- -- -- AB -- MB ON QC -- -- -- -- --
obscurella Dietz, 1905 *(Homosetia)*
300130 *costisignella* (Clemens, 1863) *(Tinea)* R -- -- -- -- U -- -- -- -- QC -- -- -- NS --
NOTE: The BC record from deWaard (2010) requires verification; it is genetically distinct from other *H. costisignella* and may be a new species.
300132 *fasciella* (Chambers, 1873) *(Pitys)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
300134 *marginimaculella* (Chambers, 1875) *(Tinea)* R -- -- -- -- -- P SK -- -- QC -- -- -- -- --
maculatella Dietz, 1905 *(Homosetia)*
maculimarginella Dietz, 1905 *(Homosetia)*

Isocrypha Dietz, 1905

300140 *mediostriatella* (Clemens, 1865) *(Incurvaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
auristrigella (Chambers, 1873) *(Tinea)*

subfamily Tineinae Latreille, 1810

Tinea Linnaeus, 1758

300144 *apicimaculella* Chambers, 1875 *(Tinea)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on specimens collected at Port Franks (ON) by KS.
300146 *carnariella* Clemens, 1859 *(Tinea)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
300147 *columbariella* Wocke, 1877 *(Tinea)*+ R -- -- -- -- BC -- -- -- -- QC -- -- -- NS --
300148 *croceoverticella* Chambers, 1876 *(Tinea)* R -- -- -- -- -- -- E -- -- QC -- -- -- -- --
NOTE: The SK record by Kearfott (1905a) is assumed to refer to *T. irrepta*, not described until 1926.
300150E *grumella* Zeller, 1873 *(Tinea)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Historical records of this species in Canada (including the AB record by Bowman 1951) refer to *T. irrepta*. *Tinea grumella* is considered a *nomen dubium*.
300151 *irrepta* Braun, 1926 *(Tinea)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- PE
300154 *niveocapitella* Chambers, 1875 *(Tinea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
leucocapitella Busck, 1903 *(Tinea)*
300157 *pellionella* (Linnaeus, 1758) (*Phalaena*)+ R AK -- -- -- BC H -- -- ON QC -- NF NB P PE
pelliomella Dietz, 1905 *(Tinea)*
300159 *svenssoni* Opheim, 1965 *(Tinea)** R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: This overlooked holarctic species was recently discovered in QC (Landry et al. 2013).

Niditinea Petersen, 1957

300164 *fuscella* (Linnaeus, 1758) *(Phalaena)*ǂ R -- -- -- -- BC AB -- -- ON QC U -- NB -- --
NOTE: The LB record by Forbes (1923), as "*Tinea fuscipunctella* Haworth", a synonym, is not confirmed.
frigidella (Packard, 1867) *(Tinea)*
fuscipunctella (Haworth, 1828) *(Tinea)*
grisella (Chambers, 1873) *(Tinea)*
ignotella (Walker, 1864) *(Tinea)*

nubilipennella (Clemens, 1859) *(Tinea)*
spretella ([Denis & Schiffermüller], 1775) *(Tinea)*

300165 *orleansella* (Chambers, 1873) *(Tinea)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --

Trichophaga Ragonot, 1894

300166 *tapetzella* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- -- -- P P -- -- -- U --
NOTE: This introduced species is known from the northeastern USA and likely occurs in QC and ON. The species was listed as uncertain from NS ("this may be *Tinea pellionella*") by Perrin & Russell (1912).
greenlandica (Anonymous, 1836) *(Tinea)*
palaestrica Butler, 1877 *(Trichophaga)*

Monopis Hübner, 1825

300168 *crocicapitella* (Clemens, 1859) *(Tinea)* R -- -- -- -- BC AB SK -- ON QC -- -- NB -- --
NOTE: The QC record of "*Monopis ferruginella* Hbn." by Winn (1912) likely refers to *M. crocicapitella*. *Monopis ferruginella* is an invalid name for the Old World species *M. obviella* ([Denis & Schiffermüller]).
300169 *laevigella* ([Denis & Schiffermüller], 1775) *(Tinea)*‡ R AK -- -- -- BC AB SK P ON QC -- -- NB NS --
rusticella (Hübner, 1796) *(Tinea)*
saturella (Haworth, 1828) *(Tinea)*
300171 *dorsistrigella* (Clemens, 1859) *(Tinea)* R -- -- -- -- BC -- -- MB ON QC -- -- U NS PE
NOTE: The NB record by Lafontaine et al. (2001) could not be verified.
subjunctella (Walker, 1863) *(Tinea)*
300172 *marginistrigella* (Chambers, 1873) *(Tinea)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
irrorella Dietz, 1905 *(Monopis)*
300173 *monachella* (Hübner, 1796) (*Tinea*)+ R AK -- -- -- -- AB SK MB ON QC -- NF NB NS PE
longella (Walker, 1863) *(Tinea)*
300174 *pavlovskii* Zagulajev, 1955 *(Monopis)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
300176 *spilotella* Tengström, 1848 (*Monopis*)* R AK YT P P BC AB SK MB ON QC LB NF NB NS PE
biflavimaculella (Clemens, 1859) *(Tinea)*
halospila Meyrick, 1919 *(Monopis)*
insignisella (Walker, 1863) *(Tinea)*
300170 *weaverella* Scott, 1858 *(Monopis)*+ R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --

Eccritothrix Bradley & Hinton, 1956

300177 *guenterella* Koçak, 1986 *(Eccritothrix)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
trimaculella (Chambers, 1873) *(Tinea)*

Elatobia Herrich-Schäffer, 1849

300179 *carbonella* (Dietz, 1905) *(Abacobia)* R -- -- -- -- BC AB SK P P QC -- -- -- -- --
NOTE: Material treated under this name in western Canada appears to contain at least two undescribed *Elatobia* species. The Old World names *fuliginosella* (Lienig & Zeller) and *martinella* (Walker) have been used historically for this species.
300180 *montelliella* (Schantz, 1951) *(Tinea)** R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: This overlooked holarctic species was recently recognized in nNA (Landry et al. 2013).

Tineola Herrich-Schäffer, 1853

300181 *bisselliella* (Hummel, 1823) (*Tinea*)‡ H H -- -- -- H H H H H H -- H P H H
crinella (Treitschke, 1832) *(Tinea)*
destructor (Stephens, 1834) *(Tinea)*
lanariella (Clemens, 1859) *(Tinea)*

Tineidae «clade A» Regier et al., 2014

Hybroma Clemens, 1862

300182 *servulella* Clemens, 1862 *(Hybroma)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
aurosuffusella (Chambers, 1873) *(Tinea)*

Homostinea Dietz, 1905

300184 *curviliniella* Dietz, 1905 *(Homostinea)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --

subfamily Scardiinae Eyer, 1924

Morophagoides Petersen, 1957

300200 *burkerella* (Busck, [1904]) *(Scardia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: The Palaearctic name *tessulatellus* (Zeller) was used for this species by Dietz (1905) under a previous taxonomic arrangement.
caryophyllella (Busck, 1908) *(Scardia)*
errandella (Busck, 1908) *(Scardia)*
gracilis (Walsingham, 1907) *(Scardia)*

Scardia Treitschke, 1830

300203 *anatomella* (Grote, 1881) *(Fernaldia)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --
fiskeella Busck, 1908 *(Scardia)*

Scardiella Robinson, 1986

300205 *approximatella* (Dietz, 1905) *(Scardia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

Amorophaga Zagulajev, 1966

300206 *cryptophori* (Clarke, 1940) *(Morophaga)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Tineidae (unplaced)

Diachorisia Clemens, 1860

300213 *velatella* Clemens, 1860 *(Diachorisia)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on a single specimen collected at Port Franks (ON) by KS. It was identified via DNA barcode.
fuscopulvella (Chambers, 1873) *(Tinea)*
maculabella (Chambers, 1873) *(Tinea)*

Pelecystola Meyrick, 1920
tax info: Davis & Davis (2009)

300217 *nearctica* Davis & Davis, 2009 *(Pelecystola)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Philonome Chambers, 1874
tax info: Sohn et al. (2015)

300220 *clemensella* Chambers, 1874 *(Philonome)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Phryganeopsis Walsingham, 1881

300221 *brunnea* Walsingham, 1881 *(Phryganeopsis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: Incorrectly listed as "erroneous" for BC by Pohl et al. (2015b); the synonym *Setonella buscki* was described from Seton Lake (BC).
buscki (McDunnough, 1927) *(Setonella)*

Xylesthia Clemens, 1859

300223 *pruniramiella* Clemens, 1859 *(Xylesthia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
clemensella Chambers, 1873 *(Xylesthia)*
congeminatella Zeller, 1873 *(Xylesthia)*
kearfottella Dietz, 1905 *(Xylesthia)*

Superfamily GRACILLARIOIDEA Stainton, 1854

17. Family BUCCULATRICIDAE Fracker, 1915

by G.R. Pohl and J.-F. Landry

Bucculatricids are extremely small moths, with wingspans of four to 11 mm. The head is usually elongate, with the vertex usually large and bearing an erect tuft of piliform scales. Most species have larvae in which the first two instars are leafminers, and the third instar emerges to feed externally on leaves. The fourth-instar larva constructs a flattened moulting cocoon under the leaf used by the third instar. The fifth-instar larva, before pupation, constructs a silken, longitudinally ribbed cocoon, which is typical for the family.

Worldwide, about 300 species of bucculatricids are known. One genus, *Bucculatrix*, with 103 species, is known from the Nearctic region; 39 species are recorded from nNA. Braun (1963) revised the North American species.

Bucculatrix Zeller, 1839

330001	*fusicola* Braun, 1920 *(Bucculatrix)* NOTE: The sole Canadian record is a specimen in the NSPM.	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--
330002	*solidaginiella* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	PE
330003	*montana* Braun, 1920 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
330004	*magnella* Chambers, 1875 *(Bucculatrix)* NOTE: New for Canada from southern ON by KS.	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
330013	*inusitata* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330016	*cuneigera* Meyrick, 1919 *(Bucculatrix)* *errans* Braun, 1920 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	PE
330019	*eurotiella* Walsingham, 1907 *(Bucculatrix)* *chrysothamni* Braun, 1925 *(Bucculatrix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330033	*agnella* Clemens, 1860 *(Bucculatrix)* *albicapitella* Chambers, 1875 *(Bucculatrix)* *capitealbella* Chambers, 1873 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--
330040	*angustata* Frey & Boll, 1876 *(Bucculatrix)* *crescentella* Braun, 1916 *(Bucculatrix)*	R	--	--	--	--	P	AB	--	MB	ON	QC	--	--	--	NS	--
330041	*adelpha* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
330043	*eupatoriella* Braun, 1918 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330048	*sexnotata* Braun, 1927 *(Bucculatrix)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	NF	NB	NS	--
330049	*divisa* Braun, 1925 *(Bucculatrix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330054	*salutatoria* Braun, 1925 *(Bucculatrix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330055	*leptalea* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	AB	--	MB	--	--	--	--	--	--	--
330056	*arnicella* Braun, 1925 *(Bucculatrix)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
330057	*tridenticola* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	BC	AB	--	MB	--	--	--	--	--	--	--
330059	*seorsa* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330060	*angustisquamella* Braun, 1925 *(Bucculatrix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330061	*columbiana* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330069	*packardella* Chambers, 1873 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330074	*trifasciella* Clemens, 1866 *(Bucculatrix)* *obscurofasciella* Chambers, 1873 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
330075	*quinquenotella* Chambers, 1875 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
330077	*zophopasta* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330079	*coronatella* Clemens, 1860 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
330080	*canadensisella* Chambers, 1875 *(Bucculatrix)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
330082	*polytita* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330084	*recognita* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
330085	*paroptila* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	NS	--
330087	*callistricha* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--
330088	*eugrapha* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
330090	*copeuta* Meyrick, 1919 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--

330091	*locuples* Meyrick, 1919 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330092	*ainsliella* Murtfeldt, 1905 *(Bucculatrix)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	--	NS	--
	NOTE: This species was listed by Handfield et al. (1997) as "expected", but Prentice (1965) reports QC records.																
330093	*eclecta* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	NOTE: New for Canada, based on specimens in the CNC.																
330094	*anaticula* Braun, 1963 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
330096	*ceanothiella* Braun, 1918 *(Bucculatrix)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	NOTE: New for Canada, based on specimens in the CNC.																
330097	*pomifoliella* Clemens, 1860 *(Bucculatrix)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	--	--	NB	NS	--
	curvilineatella Packard, 1869 *(Bucculatrix)*																
	pomonella Packard, 1880 *(Bucculatrix)*																
330103	*frigida* Deschka, 1992 *(Bucculatrix)*	R	AK	YT	--	--	P	AB	--	--	--	--	--	--	--	--	--

18. Family GRACILLARIIDAE Stainton, 1854 (leafblotch miner moths)

by G.R. Pohl and J.-F. Landry

Gracillariids are extremely small to small moths, with wingspans of four to 21 mm. The head is usually smooth scaled; the antennae are filiform and are about as long as the forewings. The wings are slender, with a broad fringe. Larvae are leaf, bark, or fruit miners, and they undergo hypermetamorphosis. Early larval instars are flattened legless sap feeders, while later instars feed on leaf parenchyma. Larvae typically form blotch mines on leaves, hence the common name, although some groups form serpentine mines or are leaf rollers. Most are strongly host specific. Pupation takes place in the mines.

Worldwide, about 1865 species of gracillariids are known; 309 species are known from the Nearctic region, and 165 of these have been reported from nNA with four more expected. There are no comprehensive taxonomic works on the group, but De Prins & De Prins (2005) published a world species catalogue, which has been updated and made available online (De Prins & De Prins 2016). A higher phylogenetic analysis was published by Kawahara et al. (2016), and the subfamily arrangement presented here follows that work.

subfamily Lithocolletinae Stainton, 1854

Protolithocolletis **Braun, 1929**
tax info: Braun (1929)

330249	*lathyri* Braun, 1929 *(Protolithocolletis)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--

Cremastobombycia **Braun, 1908**
tax info: Braun (1908)

330250	*ambrosiaeella* (Chambers, 1871) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	amoena (Frey & Boll, 1878) *(Lithocolletis)*																
330254	*solidaginis* (Frey & Boll, 1876) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--

Phyllonorycter **Hübner, 1822**
tax info: Braun (1908), Davis & Deschka (2001)
Lithocolletis Hübner, 1825

330257	*aeriferella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330258	*alaskana* Deschka, 1982 *(Phyllonorycter)*	R	AK	--	--	--	--	--	SK	--	--	QC	--	NF	--	--	--
330259	*albanotella* (Chambers, 1875) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	subaureola (Frey & Boll, 1878) *(Lithocolletis)*																
330261	*alnicolella* (Walsingham, 1889) *(Lithocolletis)*	R	--	--	--	--	U	--	--	--	ON	QC	--	--	--	--	--
	NOTE: The BC record by Blackmore (1924) is uncertain; the only known voucher material, in the PFC collection, requires verification.																
330263	*apicinigrella* (Braun, 1908) *(Lithocolletis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330264	*apparella* (Herrich-Schäffer, 1855) (*Lithocolletis*)*	R	AK	YT	--	--	BC	AB	SK	MB	ON	QC	--	--	U	NS	EP
	NOTE: This species has often been confused with other similar species in the *salicifoliella* group (Davis & Dechka 2001). The NB record by Lafontaine et al. (2001) could not be verified. The PE record by Lafontaine et al. (2001) is a database error, but it is expected there.																
	atomariella (Zeller, 1875) *(Lithocolletis)*																
	ontario (Freeman, 1970) *(Lithocolletis)*																

	tremuloidiella (Braun, 1908) *(Lithocolletis)*																			
330265	*arbutusella* (Braun, 1908) *(Lithocolletis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--	
	arbutella (Meyrick, 1912) *(Lithocolletis)*																			
330266	*argentifimbriella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--	
	fuscocostella (Chambers, 1875) *(Lithocolletis)*																			
	longirostrata (Dyar, 1903) *(Lithocolletis)*																			
	longistriata (Frey & Boll, 1873) *(Lithocolletis)*																			
330267	*argentinotella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--	
330269	*auronitens* (Frey & Boll, 1873) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--	
330270	*basistrigella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	--	NS	--			
	intermedia (Frey & Boll, 1873) *(Lithocolletis)*																			
330272	*blancardella* (Fabricius, 1781) (*Tinea*)+	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	NB	NS	PE			
	concomitella (Bankes, 1899) *(Lithocolletis)*																			
	pyrariella (Tutt, 1898) *(Lithocolletis)*																			
330275	*celtisella* (Chambers, 1871) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	--	--	
	nonfasciella (Chambers, 1871) *(Lithocolletis)*																			
	pulsillifoliella (Frey & Boll, 1876) *(Lithocolletis)*																			
330276	*clemensella* (Chambers, 1871) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--	
330277	*comptoniella* (Darlington, 1949) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--			
330278	*crataegella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	NS	--			
	malifoliella (Meyrick, 1912) *(Lithocolletis)*																			
	malimalifoliella (Braun, 1908) *(Lithocolletis)*																			
330283	*diversella* (Braun, 1916) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--			
330284	*elmaella* Doğanlar & Mutuura, 1980 *(Phyllonorycter)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
330285	*emberizaepenella* (Bouché, 1834) *(Ornix)*+	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--			
	emberizipennella (Duponchel, 1843) *(Elachista)*																			
330286	*erugatus* Davis & Deschka, 2001 *(Phyllonorycter)*	R	AK	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
330287	*fitchella* (Clemens, 1860) *(Lithocolletis)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	--	--	--			
	quercetorum (Frey & Boll, 1873) *(Lithocolletis)*																			
	quercifoliella (Fitch, 1859) *(Lithocolletis)*																			
	quercitorum (Chambers, 1875) *(Lithocolletis)*																			
330288	*fragilella* (Frey & Boll, 1878) *(Lithocolletis)*	R	--	--	--	--	U	--	--	--	ON	P	--	--	--	--	--			
	NOTE: Old BC material (in the UBC collection) to support the record by Blackmore (1924) has not been verified.																			
	trifasciella (Frey & Boll, 1873) *(Lithocolletis)*																			
330290P	*hagenii* (Frey & Boll, 1873) *(Lithocolletis)*	P	--	--	--	--	--	--	--	--	P	P	--	--	--	--	--			
	NOTE: This species likely occurs in ON and QC, as it is known from adjacent USA. It was reported as "probable" for QC by Handfield et al. (1997), which was repeated as an unquestioned QC record by De Prins & De Prins (2005) (as they did for all "probable" Handfield et al. (1997) records).																			
	hageni (Chambers, 1879) *(Lithocolletis)*																			
	necopinusella (Chambers, 1878) *(Lithocolletis)*																			
330292	*incanella* (Walsingham, 1889) *(Lithocolletis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
330294	*intermixta* (Braun, 1930) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--			
330297	*latus* Davis & Deschka, 2001 *(Phyllonorycter)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	--	--	--	PE			
	NOTE: New for Canada, based on several BOLD records.																			
330298	*ledella* (Walsingham, 1889) *(Lithocolletis)*	R	--	YT	--	--	BC	AB	--	--	ON	QC	--	--	--	--	--			
330299	*lucetiella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--			
	aenigmatella (Frey & Boll, 1873) *(Lithocolletis)*																			
330300	*lucidicostella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--			
	ludicostella (Riley, 1891) *(Lithocolletis)*																			
330302	*maestingella* (Müller, 1764) *(Tinea)*‡	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
330304	*mariaeella* (Chambers, 1875) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--			
	mariella (Riley, 1891) *(Lithocolletis)*																			
330305	*martiella* (Braun, 1908) *(Lithocolletis)*	R	--	--	--	--	BC	AB	--	--	ON	QC	--	--	--	NS	--			
330307	*mespilella* (Hübner, [1805]) *(Tinea)*+	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
330310	*nipigon* (Freeman, 1970) *(Lithocolletis)*	R	AK	YT	--	--	BC	AB	SK	P	ON	QC	--	--	--	--	--			
330314	*olivaeformis* (Braun, 1908) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--			
	NOTE: Known in Canada only from a specimen collected recently at Port Franks (ON) by KS.																			
	oliviformis (Meyrick, 1912) *(Lithocolletis)*																			
330316	*ostryaefoliella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--			
	mirifica (Frey & Boll, 1873) *(Lithocolletis)*																			

330319 *populiella* (Chambers, 1878) *(Lithocolletis)* U -- -- -- -- E -- -- -- U U -- -- U -- --
NOTE: Historical records across Canada require verification; this species was often confused with other similar species, and it was not reported from Canada by Davis & Deschka (2001). It is not known at all in western NA so historical BC records have been deemed erroneous.

330320 *propinquinella* (Braun, 1908) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

330321 *quercialbella* (Fitch, 1859) *(Argyromiges)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
quercibella (Chambers, 1875) *(Lithocolletis)*
quercipulchrella (Chambers, 1878) *(Lithocolletis)*

330322 *restrictella* (Braun, 1939) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

330326 *salicifoliella* (Chambers, 1875) *(Lithocolletis)* R -- -- U -- BC AB SK MB ON QC -- -- U -- --
NOTE: Many historical records refer to similar species *P. apparella*, *P. nipigon*, and perhaps others (Davis & Deschka 2001), but the species is confirmed from BC to QC. Specimens from NT require verification, and the historical report from NB by Prentice (1965) could not be verified.
kenora (Freeman, 1970) *(Lithocolletis)*

330328 *scudderella* (Frey & Boll, 1873) *(Lithocolletis)* R AK -- -- -- BC AB SK MB ON QC -- NF -- NS --
salicivorella (Braun, 1908) *(Lithocolletis)*

330330 *symphoricarpaeella* (Chambers, 1875) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.
bolliella (Dyar, 1903) *(Lithocolletis)*
symphoricarpella (Frey & Boll, 1878) *(Lithocolletis)*

330331 *tiliacella* (Chambers, 1871) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
tiliaceella (Chambers, 1874) *(Lithocolletis)*
tiliella (Walsingham, 1891) *(Lithocolletis)*

330332 *trinotella* (Braun, 1908) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON P -- -- -- NS --

330333 *tritaenianella* (Chambers, 1871) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
consimilella (Frey & Boll, 1873) *(Lithocolletis)*
tritaeniaella (Chambers, 1879) *(Lithocolletis)*
tritaeniella (Walsingham, 1889) *(Lithocolletis)*
tritenoeanella (Chambers, 1873) *(Lithocolletis)*

330334 *viburnella* (Braun, 1923) *(Lithocolletis)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

Macrosaccus Davis & de Prins, 2011
tax info: Davis & De Prins (2011)

330335 *robiniella* (Clemens, 1859) *(Lithocolletis)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --
pseudacaciella (Fitch, 1859) *(Argyromiges)*

330336 *morrisella* (Fitch, 1859) *(Argyromiges)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
amphicarpeaella (Chambers, 1877) *(Lithocolletis)*
texanella (Zeller, 1875) *(Lithocolletis)*

Cameraria Chapman, 1902
tax info: Braun (1908)

330339 *aceriella* (Clemens, 1859) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- U -- --
NOTE: Various historical reports from NB originating with Prentice (1965) are unverified.

330341 *affinis* (Frey & Boll, 1876) *(Lithocolletis)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

330342 *agrifoliella* (Braun, 1908) *(Lithocolletis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

330344 *arcuella* (Braun, 1908) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

330346 *bethunella* (Chambers, 1871) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
lebertella (Frey & Boll, 1878) *(Lithocolletis)*

330347 *betulivora* (Walsingham, 1891) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on material from QC in the LFC collection and a recent southern ON collection by KS.

330348 *caryaefoliella* (Clemens, 1859) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
juglandiella (Clemens, 1861) *(Lithocolletis)*

330352 *cincinnatiella* (Chambers, 1871) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

330353E *conglomeratella* (Zeller, 1875) *(Lithocolletis)* E -- -- -- -- -- -- -- -- -- -- -- -- -- E --
NOTE: The NS record by Lafontaine et al. (2001) could not be verified, and the species is otherwise unknown in Canada, so it is hereby deemed erroneous.

330354 *corylisella* (Chambers, 1871) *(Lithocolletis)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
bifasciella (Walsingham, 1907) *(Lithocolletis)*
coryliella (Chambers, 1879) *(Lithocolletis)*

330358 *fletcherella* (Braun, 1908) *(Lithocolletis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

330359	*gaultheriella* (Walsingham, 1889) *(Lithocolletis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
330360	*guttifinitella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	--	--	--	--	--
	toxicodendri (Frey & Boll, 1878) *(Lithocolletis)*																		
330361	*hamadryadella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	--	--	--	--	--
	alternata (Chambers, 1878) *(Lithocolletis)*																		
	alternatella (Zeller, 1875) *(Lithocolletis)*																		
	hamadryella (Frey & Boll, 1878) *(Lithocolletis)*																		
330362	*hamameliella* (Busck, 1903) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	NS	--		
	hamamelis (Kearfott, 1903) *(Lithocolletis)*																		
330364	*lentella* (Braun, 1908) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--
330366	*lobatiella* Opler & Davis, 1981 *(Cameraria)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
330367	*macrocarpae* Freeman, 1970 *(Cameraria)*	R	--	--	--	--	--	--	--	MB	--	--	--	--	--	--	--	--	--
330368	*macrocarpella* (Frey & Boll, 1878) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--
330372	*nemoris* (Walsingham, 1889) *(Lithocolletis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
330373	*obstrictella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--
	bifasciella (Chambers, 1878) *(Lithocolletis)*																		
	ceriferae (Walsingham, 1907) *(Lithocolletis)*																		
330374	*ostryarella* (Chambers, 1871) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--
	ostryella (Meyrick, 1912) *(Lithocolletis)*																		
330375	*pentekes* Opler & Davis, 1981 *(Cameraria)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
330378	*quercivorella* (Chambers, 1879) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	NS	--		
330379	*saccharella* (Braun, 1908) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--	--	--
330388	*ulmella* (Chambers, 1871) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--
	modesta (Frey & Boll, 1876) *(Lithocolletis)*																		

***Chrysaster* Kumata, 1961**
tax info: Braun (1908)

330392	*ostensackenella* (Fitch, 1859) *(Argyromiges)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	NS	--		
	ornatella (Chambers, 1871) *(Lithocolletis)*																		

***Leucanthiza* Clemens, 1859**

330228	*amphicarpeaefoliella* Clemens, 1859 *(Leucanthiza)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--		
	saundersella Chambers, 1871 *(Leucanthiza)*																		
330229	*dircella* Braun, 1914 *(Leucanthiza)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--		

***Porphyrosela* Braun, 1908**
tax info: Braun (1908)

330393	*desmodiella* (Clemens, 1859) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--		
	gregariella (Murtfeldt, 1881) *(Lithocolletis)*																		

subfamily Acrocercopinae Kawahara & Ohshima, 2016

***Acrocercops* Wallengren, 1881**

330215	*albinatella* (Chambers, 1872) *(Gracilaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--		
	albinotella Meyrick, 1912 *(Acrocercops)*																		
330218	*astericola* (Frey & Boll, 1873) *(Gracilaria)*	R	--	YT	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	EP		
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.																			
330219	*pnosmodiella* (Busck, 1902) *(Gracilaria)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	--	--	--		
	onosmodiella (Cockerell, 1905) *(Gracilaria)*																		
330222	*strigosa* Braun, 1914 *(Acrocercops)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--		

***Leucospilapteryx* Spuler, 1910**

330226	*venustella* (Clemens, 1860) *(Gracilaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--		
	eupatoriella (Chambers, 1872) *(Gracilaria)*																		

subfamily Phyllocnistinae Herrich-Schäffer, 1857

Phyllocnistis Zeller, 1848

330394	*ampelopsiella* Chambers, 1871 *(Phyllocnistis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330398	*insignis* Frey & Boll, 1876 *(Phyllocnistis)*	R	--	--	--	--	--	AB	--	--	ON	--	--	--	--	NS	--
	NOTE: New for Canada, based on BOLD records.																
	erechtiisella McDunnough, 1939 *(Phyllocnistis)*																
	erechtitisella Chambers, 1878 *(Phyllocnistis)*																
330406	*populiella* Chambers, 1875 *(Phyllocnistis)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--
330408	*vitegenella* Clemens, 1859 *(Phyllocnistis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330409	*vitifoliella* Chambers, 1871 *(Phyllocnistis)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--

subfamily Marmarinae Kawahara & Ohshima, 2016

Marmara Clemens, 1863

330231	*arbutiella* Busck, [1904] *(Marmara)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330234P	*corticola* Fitzgerald, 1973 *(Marmara)*	P	--	--	--	--	--	--	--	--	--	P	--	--	--	--	--
	NOTE: This species is expected in QC, as it occurs in adjacent USA.																
330235E	*elotella* (Busck, 1909) *(Gracilaria)*	E	--	--	--	--	--	--	--	--	E	E	--	--	--	E	--
	NOTE: Reports of this species from ON, QC, and NS by Belton (1988) are deemed erroneous, as no Canadian vouchers are known.																
330236	*fasciella* (Chambers, 1875) *(Aesyle)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	--	--
	quinquenotella (Chambers, 1877) *(Gracilaria)*																
330237	*fraxinicola* Braun, 1922 *(Marmara)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
330244	*oregonensis* Fitzgerald, 1975 *(Marmara)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330245E	*pomonella* Busck, 1915 *(Marmara)*	E	--	--	--	--	E	--	--	--	E	--	--	--	--	--	--
	NOTE: Reported as a pest from BC and ON by Belton (1988), but those records are deemed erroneous. The only confirmed record of this species is the female holotype from OR (Powell & Opler 2009).																
330246	*salictella* Clemens, 1863 *(Marmara)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330247	*serotinella* Busck, 1915 *(Marmara)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	NOTE: New for Canada, based on material in the CNC.																
330248.1	*tiliella* Eiseman & Davis, 2017 *(Marmara)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--
	NOTE: This recently described species was reported from QC by Eiseman et al. (2017) on the basis of leaf mines from Gatineau Park.																

subfamily Gracillariinae Stainton, 1854

Caloptilia Hübner, 1825

Ornix Treitschke, 1833

330105	*acerifoliella* (Chambers, 1875) *(Gracilaria)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
330106	*agrifoliella* Opler, 1971 *(Caloptilia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330107	*alnicolella* (Chambers, 1875) *(Gracilaria)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	NB	NS	PE
330108	*alnivorella* (Chambers, 1875) *(Gracilaria)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--
	NOTE: Historical reports of the Palaearctic species *C. elongella* in NA refer to this species.																
	elongella of authors (not Linnaeus, 1761) *(Tinea)*																
330109	*amphidelta* (Meyrick, 1918) *(Gracilaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
330110	*anthobaphes* (Meyrick, 1921) *(Gracilaria)*	R	--	--	--	--	--	AB	SK	--	ON	QC	--	--	--	NS	--
330111	*asplenifoliatella* (Darlington, 1944) *(Gracilaria)*	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--
330113	*azaleella* (Brants, 1913) *(Gracilaria)*+	R	--	--	--	--	BC	--	--	--	H	--	--	--	H	--	--
	NOTE: Eastern Canadian records are from greenhouses, but this species occurs outdoors in BC.																
	azaleae (Busck, 1914) *(Gracilaria)*																
330115	*belfragella* (Chambers, 1875) *(Gracilaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	auriferella (Frey & Boll, 1876) *(Gracilaria)*																
	belfrageella (Chambers, 1875) *(Gracilaria)*																
330116	*betulivora* McDunnough, 1946 *(Caloptilia)*	R	--	--	--	--	--	AB	SK	--	ON	QC	--	--	NB	NS	--
330117	*bimaculatella* (Ely, 1915) *(Gracilaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
330118	*blandella* (Clemens, 1864) *(Gracilaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	juglandivorella (Chambers, 1873) *(Gracilaria)*																
330119	*burgessiella* (Zeller, 1873) *(Gracilaria)*	R	--	--	--	--	BC	AB	--	--	ON	QC	--	--	--	--	--
330121	*canadensisella* (McDunnough, 1956) *(Gracillaria)*	R	--	--	--	--	--	AB	--	--	--	QC	--	--	--	NS	--

330122 *cornusella* (Ely, 1915) *(Gracilaria)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

330123 *coroniella* (Clemens, 1864) *(Gracilaria)* R -- -- -- -- U AB -- -- ON QC -- NF -- NS --
NOTE: BC material in the PFC collection requires verification.

330126 *flavella* (Ely, 1915) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS PE

330127 *flavimaculella* (Ely, 1915) *(Gracilaria)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on material confirmed recently by JFL.

330128 *fraxinella* (Ely, 1915) *(Gracilaria)* R -- -- -- -- -- AB SK -- ON QC -- -- -- -- --
NOTE: Prentice's (1965) use of the Old World "*Gracillaria cuculipennella* (Hübner)" refers to *C. fraxinella*.

330129E *glutinella* (Ely, 1915) *(Gracilaria)* E -- E -- -- E -- -- -- -- -- -- -- -- --
NOTE: Records from Prentice (1965) for BC and YT are considered to be erroneous; no authentic Canadian voucher material could be found, and this species is otherwise known only from CT.

330130 *hypericella* (Braun, 1918) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

330131 *invariabilis* (Braun, 1927) *(Gracilaria)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

330132 *juglandiella* (Chambers, 1872) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.
juglandisnigraeella (Chambers, 1878) *(Gracilaria)*

330134 *melanocarpae* (Braun, 1925) *(Gracilaria)* R -- -- -- -- BC AB -- -- -- QC -- -- -- -- --

330136 *murtfeldtella* (Busck, 1904) *(Gracilaria)* R -- -- -- -- BC AB SK -- ON -- -- -- -- -- --

330137 *negundella* (Chambers, 1876) *(Gracilaria)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --

330140 *ostryaeella* (Chambers, 1878) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

330142 *packardella* (Chambers, 1872) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
NOTE: Winn's (1912) QC record of the Old World species "*Gracillaria alchimiella* (Scopoli)" likely refers to this species.

330144 *paradoxum* (Frey & Boll, 1873) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on material collected recently at Port Franks (ON) by KS.

330147 *populiella* (Chambers, 1875) *(Gracilaria)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.

330149 *pulchella* (Chambers, 1875) *(Gracilaria)* R -- -- -- -- BC E -- -- ON QC -- -- NB NS --
NOTE: The AB record by Bowman (1951) as *C. alnivorella pulchella* is based on a previous taxonomic arrangement, and refers to *C. alnivorella*.

330151 *rhodorella* (McDunnough, 1954) *(Gracillaria)* R -- -- -- -- -- -- -- -- -- -- -- -- -- NS --

330152 *rhoifoliella* (Chambers, 1876) *(Gracilaria)* R -- -- -- -- BC P SK MB ON QC -- -- -- NS --

330154 *sanguinella* (Beutenmüller, 1888) *(Gracilaria)* R -- -- -- -- BC -- -- -- ON -- -- -- -- -- --
fuscoochrella (Beutenmüller, 1889) *(Gracilaria)*
nigristrigella (Beutenmüller, 1888) *(Gracilaria)*
ruptistrigella (Beutenmüller, 1888) *(Gracilaria)*
ruptostrigella (Ely, 1917) *(Gracilaria)*
shastaella (Ely, 1917) *(Gracilaria)*
shastella (Beutenmüller, 1888) *(Gracilaria)*

330155 *sassafrasella* (Chambers, 1876) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

330159 *serotinella* (Ely, 1910) *(Gracilaria)* R -- -- -- -- BC -- -- -- ON QC -- NF NB NS --

330161 *stigmatella* (Fabricius, 1781) *(Tinea)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
consimilella (Frey & Boll, 1876) *(Gracilaria)*
ochracea (Haworth, 1828) *(Gracillaria)*
purpuriella (Chambers, 1872) *(Gracilaria)*

330162 *strictella* (Walker, 1864) *(Gelechia)* R AK P NT -- BC AB SK MB ON QC LB NF NB -- --
adaptella (Walker, 1864) *(Gelechia)*

330163 *suberinella* (Tengström, 1848) *(Gracilaria)*‡ R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

330164 *superbifrontella* (Clemens, 1860) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

330166 *umbratella* (Braun, 1927) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

330167 *vacciniella* (Ely, 1915) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --

330168 *violacella* (Clemens, 1860) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
desmodifoliella (Clemens, 1865) *(Gracilaria)*

Gracillaria **Haworth, 1828**

330169 *syringella* (Fabricius, 1794) (*Tinea*)+ R -- -- -- -- BC AB SK P ON QC -- NF NB NS PE
anastomosis Haworth, 1828 *(Gracillaria)*

Povolnya **Kuznetzov, 1979**

330170 *quercinigrella* (Ely, 1915) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material collected recently at Port Franks (ON) by KS.

subfamily Parornichinae Kawahara & Ohshima, 2016

Callisto Stephens, 1834

330189	*denticulella* (Thunberg, 1794) *(Tinea)*	R	--	--	--	--	BC	--	--	--	--	QC	--	--	--	NS	--
	guttea (Haworth, 1828) *(Gracillaria)*																
	solitariella (Dietz, 1907) *(Ornix)*																

Parornix Spuler, 1910

330190	*alta* (Braun, 1925) *(Ornix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330192	*arbutifoliella* (Dietz, 1907) *(Ornix)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	--	--	--	--	--
330193	*betulae* (Stainton, 1854) *(Ornix)**	R	--	--	--	--	BC	AB	--	--	ON	QC	--	--	--	NS	--
330194	*boreasella* (Clemens, 1864) *(Ornix)*	R	--	--	--	--	--	--	--	--	--	QC	LB	--	--	--	--
330195	*conspicuella* (Dietz, 1907) *(Ornix)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	P	PE
330196	*crataegifoliella* (Clemens, 1860) *(Ornix)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	NS	--
330197	*dubitella* (Dietz, 1907) *(Ornix)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	NF	--	NS	--
	NOTE: New for Canada, based on several BOLD specimens, confirmed by JFL.																
330199	*geminatella* (Packard, 1869) *(Lithocolletis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	pruinrosella (Chambers, 1875) *(Ornix)*																
	prunivorella (Chambers, 1873) *(Ornix)*																
330201	*inusitatumella* (Chambers, 1873) *(Ornix)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
330202	*kalmiella* (Dietz, 1907) *(Ornix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
330203P	*melanotella* (Dietz, 1907) *(Ornix)*	P	--	--	--	--	--	--	--	--	--	P	--	--	--	--	--
	NOTE: This species is expected in QC, as it occurs in adjacent USA.																
330204	*obliterella* (Dietz, 1907) *(Ornix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	NOTE: New for Canada, based on BOLD material and confirmed by JFL.																
330205	*peregrinaella* (Darlington, 1949) *(Callisto)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
330206P	*preciosella* (Dietz, 1907) *(Ornix)*	P	--	--	--	--	--	--	--	--	--	P	--	--	--	--	--
	NOTE: This species is expected in QC, as it occurs in adjacent USA.																
330207	*quadripunctella* (Clemens, 1861) *(Ornix)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	a *quadripunctella* (Clemens, 1861) *(Ornix)*																
	b *albifaciella* (Dietz, 1907) *(Ornix)*																
330208	*spiraeifoliella* (Braun, 1918) *(Ornix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
330212	*vicinella* (Dietz, 1907) *(Ornix)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	NS	--

subfamily Ornixolinae Kuznetzov & Baryshnikova, 2001

Micrurapteryx Spuler, 1910

tax info: Kirichenko et al. (2016)

330172	*salicifoliella* (Chambers, 1872) *(Gracilaria)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
330173	*occulta* (Braun, 1922) *(Parectopa)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
	NOTE: This species has been widely reported under the name *Parectopa albicostella*, a recently designated synonym of *M. occulta* (Kirichenko et al. 2016).																
	albicostella (Braun, 1925) *(Parectopa)*																

Parectopa Clemens, 1860

330176	*geraniella* Braun, 1935 *(Parectopa)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	NOTE: New for Canada, based on material in the CNC.																
330178	*lespedezaefoliella* Clemens, 1860 *(Parectopa)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	lespedezifoliella Meyrick, 1912 *(Parectopa)*																
	mirabilis (Frey & Boll, 1873) *(Gracilaria)*																
330179	*pennsylvaniella* (Engel, 1907) *(Gracilaria)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	--	--	NS	--
330180	*plantaginisella* (Chambers, 1872) *(Gracilaria)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	erigeronella (Chambers, 1877) *(Gracilaria)*																
	geiella (Chambers, 1874) *(Gracilaria)*																
330181	*robiniella* Clemens, 1863 *(Parectopa)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--

***Neurobathra* Ely, 1917**

330187 *strigifinitella* (Clemens, 1860) *(Gracilaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
duodecemlineella (Chambers, 1872) *(Gracilaria)*
quercifoliella (Chambers, 1875) *(Gracilaria)*

Superfamily YPONOMEUTOIDEA Stephens, 1829

19. Family YPONOMEUTIDAE Stephens, 1829 (ermine moths and allies)

by J.-F. Landry and G.R. Pohl

Yponomeutids are small moths with wingspans that range from five to 30 mm, and with narrow, often brightly coloured wings. Larvae have diverse feeding habits, including leafmining and leaf tying.

The Yponomeutidae, as well as the superfamily Yponomeutoidea, was redefined recently, following molecular analyses by Sohn et al. (2013). As currently delimited, the family Yponomeutidae contains about 360 named species worldwide; 28 species are known in NA, 19 of which have been reported from nNA. There is little modern species-level work on this group in NA.

subfamily Yponomeutinae Stephens, 1829

tribe Yponomeutini Stephens, 1829

***Ocnerostoma* Zeller, 1847**
tax info: Freeman (1960)

360001 *piniariella* Zeller, 1847 *(Ocnerostoma)*+ R -- -- -- -- BC -- -- -- ON QC -- -- NB -- --
360002 *strobivorum* Freeman, 1960 *(Ocnerostoma)* R -- -- -- -- -- -- -- -- ON QC -- NF -- -- --

***Swammerdamia* Hübner, 1825**
tax info: Duckworth (1965)

360003 *caesiella* (Hübner, 1796) *(Tinea)*‡ R AK YT -- -- BC AB SK MB ON QC -- NF NB NS --
castaneae Busck, 1914 *(Swammerdamia)*
cuprescens Braun, 1918 *(Swammerdamia)*
heroldella of authors not Hübner, 1825 *(Swammerdamia)*
360004 *pyrella* (Villers, 1789) *(Phalaena)*+ R -- -- -- -- BC -- -- -- ON QC -- NF -- E --
NOTE: The NS record by Lafontaine et al. (2001) is deemed erroneous. It was based on material in the CNC that can no longer be located and appears to have been redetermined as another species.
360005 *beirnei* Doğanlar, 1979 *(Swammerdamia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
NOTE: This taxon is possibly conspecific with *S. pyrella*.

***Paraswammerdamia* Friese, 1960**

360007 *conspersella* (Tengström, 1848) *(Swammerdamia)** R -- YT -- -- -- -- -- -- -- QC -- -- -- -- --
moensis (Strand, 1920) *(Swammerdamia)*
360008 *lapponica* (Petersen, 1932) *(Swammerdamia)** R -- YT NT -- -- AB SK MB ON QC P -- -- -- --
NOTE: All North American material filed under this name appears to be an undescribed species close to *P. lapponica*. However, the records are retained here pending taxonomic work.
360009 *albicapitella* (Scharfenberg, 1805) *(Phalaena)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
360010 *nebulella* (Goeze, 1783) *(Tinea)*+ R -- -- -- -- BC -- -- -- -- -- -- NF -- -- --
lutarea (Haworth, 1828) *(Erminea)*

***Yponomeuta* Latreille, 1796**
Hyponomeuta Billberg, 1820

360012 *cagnagella* (Hübner, [1813]) *(Tinea)*+ R -- -- -- -- BC -- -- -- ON QC -- -- NB NS --
360019 *malinellus* Zeller, 1838 *(Yponomeuta)*+ R -- -- -- -- BC -- -- -- XI -- -- -- U XI --
NOTE: Belton's (1988) NB record could not be verified. The records from ON and NS were young larvae introduced on freshly transplanted apple trees (*Malus* spp.) imported from BC that had escaped standard sanitation treatment. They were extirpated at the source, as CFIA was aware of the shipments, tracked them, and took prompt action to eradicate them; vouchers were sent to the CNC and reared to adult for preservation.

360017 *multipunctella* (Clemens, 1860) *(Hyponomeuta)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
euonymella (Chambers, 1872) *(Hyponomeuta)*
leucothorax (Meyrick, 1913) *(Hyponomeuta)*
orbimaculella (Chambers, 1873) *(Hyponomeuta)*
ordinatella (Walker, 1863) *(Hyponomeuta)*
semialba (Meyrick, 1913) *(Hyponomeuta)*
wakarusa (Gaumer, 1878) *(Hyponomeuta)*

360018 *padella* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- -- -- ON -- -- -- -- -- --

Zelleria Stainton, 1849

360029 *celastrusella* Kearfott, 1903 *(Zelleria)* R -- -- -- -- -- E -- E ON P -- -- -- -- --
NOTE: Historical records from western Canada have been redetermined as other species. Vouchers for Bowman's (1951) AB record are actually *Epermenia infracta* (Epermeniidae) (Pohl et al. 2010). All known MB material has been redetermined as *Kessleria martinella* and Brodie's (1929) unvouchered MB record is deemed erroneous as well. The only confirmed records of this species in Canada are from ON.
celastrella (Meyrick, 1914) *(Xyrosaris)*

360023 *haimbachi* Busck, 1915 *(Zelleria)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

360028E *hepariella* Stainton, 1849 *(Zelleria)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Records of this species in Canada are erroneous, based on misidentified material of *Z. pyri* (Pohl et al. 2015b).

360025 *pyri* Clarke, 1942 *(Zelleria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Kessleria Nowicki, 1864

360016 *martinella* (Walker, 1863) *(Tinea)* R -- -- -- -- -- AB -- MB ON -- -- -- -- -- --
afflictella (Walker, 1864) *(Tinea)*

360030E *parnassiae* (Braun, 1940) *(Zelleria)* E -- -- -- -- -- E -- P -- -- -- -- P -- --
NOTE: The AB records by Kyrki (1985) and Pohl et al. (2010) are erroneous, based on misidentified specimens of *K. martinella*.

Euhyponomeutoides Gaj, 1954

360031 *gracilariella* (Busck, 1904) *(Zelleria)* R -- -- -- -- BC AB SK P ON P -- -- P NS --
ribesella (Busck, 1904) *(Zelleria)*

subfamily Saridoscelinae Moriuti, 1977

Eucalantica Busck, 1904
tax info: Sohn & Nishida (2011)

360033 *polita* (Walsingham, 1881) *(Calantica)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

20. Family YPSOLOPHIDAE Guenée, 1845 (sickle-winged moths)
by G.R. Pohl

Ypsolophids are small moths (wingspans from 15 to 20 mm) with no metallic markings; the forewings of many species are hooked at the tip. The larvae of most species live in open webs on the leaves of plants.

This is a small family with about 160 known species, primarily from the temperate Northern Hemisphere; 39 species live in the Nearctic region, 15 of which have been reported in nNA. The fauna here is dominated by the genus *Ypsolopha*, which is in need of a modern taxonomic revision.

subfamily Ypsolophinae Guenée, 1845

Euceratia Walsingham, 1881
tax info: Sohn & Powell (2015)

360035 *castella* Walsingham, 1881 *(Euceratia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

360037 *securella* Walsingham, 1881 *(Euceratia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Ypsolopha* Latreille, 1796**

Cerostoma Latreille, 1802
Harpipterix Hübner, 1825
Harpipteryx Treitschke, 1833
Trachoma Wallengren, 1880
Ypsolophus Fabricius, 1798

360044 *canariella* (Walsingham, 1881) *(Cerostoma)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

360045 *cervella* (Walsingham, 1881) *(Cerostoma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

subsylvella (Walsingham, 1889) *(Cerostoma)*

360048 *dentella* (Fabricius, 1775) *(Alucita)*+ R AK -- -- -- BC AB -- -- ON QC -- NF NB NS --

NOTE: Based on the species description therein, it is clear that Forbes' (1923) use of the name "*Cerostoma xylostella* L." applies to this species, rather than the Diamondback Moth, *Plutella xylostella*.

harpella ([Denis & Schiffermüller], 1775) *(Tinea)*

xylostella of authors (not Linnaeus, 1758) *(Phalaena)*

360049 *dentiferella* (Walsingham, 1881) *(Cerostoma)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

360050 *dorsimaculella* (Kearfott, 1907) *(Cerostoma)* R -- -- NT -- BC AB SK MB -- QC -- -- -- -- --

360053 *falciferella* (Walsingham, 1881) *(Cerostoma)* R -- -- -- -- BC AB SK MB ON QC -- NF NB -- --

ordinalis (Meyrick, 1914) *(Cerostoma)*

360054 *flavistrigella* (Busck, 1906) *(Cerostoma)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

360055E *frustella* (Walsingham, 1881) *(Cerostoma)* E -- -- -- -- -- E E E -- -- -- -- -- -- --

NOTE: Although currently recognized as a distinct species, we know of no way to separate *Y. frustella* from *Y. dentiferella*, and all Canadian material is treated herein as the latter. Forbes (1923) and other early workers considered *Y. frustella* to be a form of *Y. dentiferella*.

360064 *rubrella* (Dyar, 1902) *(Cerostoma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

360065 *senex* (Walsingham, 1889) *(Trachoma)* R -- -- -- -- BC AB -- MB ON QC LB -- -- -- --

koebelella (Dyar, 1900) *(Cerostoma)*

360066 *schwarziella* (Busck, 1903) *(Cerostoma)* U -- -- -- -- U -- -- -- -- -- -- -- -- -- --

NOTE: Reported from BC by Blackmore (1923), and represented by an old specimen in the UBC voucher collection, but the determination requires verification. It is otherwise unknown in Canada.

360068 *sublucella* (Walsingham, 1881) *(Cerostoma)* U -- -- -- -- U -- -- -- -- -- -- -- -- -- --

NOTE: The BC record by ESBC (1906) could not be verified. This species is otherwise unknown in Canada.

360071E *ustella* (Clerck, 1759) *(Phalaena)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --

NOTE: Reports of this species from BC, originating with Dyar (1904) are erroneous. This species is not known to occur in NA.

radiatella (Donovan, 1794) *(Tinea)*

360073 *walsinghamiella* (Busck, 1903) *(Cerostoma)* R -- -- -- -- BC -- -- E -- -- -- E -- -- --

NOTE: Report from MB by Kearfott (1905b) as "*Trachoma instabiliella*", a synonym, is assumed to refer to *Y. dorsimaculella*, which Kearfott later described from the same locality (Rounthwaite MB) (Kearfott 1907). The NF report by Morris (1980) is deemed erroneous, this is a western species.

instabiliella Walsingham, 1881 *(Ypsolopha)*

subfamily Ochsenheimeriinae Herrich-Schäffer, 1857

tax info: Karsholt & Nielsen (1984), Davis (1975)

***Ochsenheimeria* Hübner, 1825**

360074 *vacculella* von Röslerstamm, 1842 (*Ochsenheimeria*)+ R -- -- -- -- -- -- -- -- ON QC -- -- -- -- PE

21. Family PLUTELLIDAE Guenée, 1845 (diamondback moths)

by J.-F. Landry and G.R. Pohl

Plutellids are small moths with wingspans of 15 to 20 mm, and narrow wings that are often brightly patterned, but normally are not metallic. Larvae are solitary leaf-rollers or live in loose webs and skeletonize leaves; most pupate in a characteristic, open-mesh cocoon. Adult moths hold their antennae forward when at rest.

The family Plutellidae is worldwide but small, with about 150 known species. Sixteen species occur in the Nearctic region, 11 of which are reported from nNA. The genus *Plutella* was split into three genera by Baraniak (2007) for the Palaearctic fauna, but that classification has not been widely adopted and we do not follow it here. The website Fauna Europaea (https://fauna-eu.org) lists them as subgenera of *Plutella* (Agassiz et al. 2017).

***Eidophasia* Stephens, 1842**

360082 *vanella* (Walsingham, 1881) *(Plutella)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: This species was transferred to *Eidophasia* by Robinson & Sattler (2001).

***Plutella* Schrank, 1802**

Cerostoma of authors not Latreille, 1802
Plutelloptera Baraniak, 2007
Pseudoplutella Baraniak, 2007

360078 *armoraciae* Busck, 1912 *(Plutella)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
monochlora Meyrick, 1914 *(Plutella)*
360085 *haasi* Staudinger, 1883 *(Plutella)** R -- -- -- -- -- AB -- -- -- QC LB -- -- -- --
NOTE: All North American material currently assigned to this species appears to be a closely related new species, but they are retained here pending further research. Placement in genus *Plutelloptera* by Baraniak (2007) has not been widely accepted. We consider *Plutelloptera* to be a synonym of *Plutella*.
360080 *notabilis* Busck, 1904 *(Plutella)* R -- YT -- -- -- AB -- -- -- -- -- -- -- -- --
360079 *polaris* Zeller, 1880 *(Plutella)** R AK -- NT NU -- -- -- -- -- QC -- -- -- -- --
NOTE: Robinson & Sattler (2001) synonymized *P. hyperboreella* under *P. polaris*. Baraniak (2007) treated the two nominal species separately but offered no explanation why he considered them distinct and made no reference to the synonymy proposed by Robinson & Sattler. The synonymy was overlooked by Landry et al. (2013).
hyperboreella Strand, 1902 *(Plutella)*
360084 *porrectella* (Linnaeus, 1758) *(Phalaena)*‡ R -- -- -- -- BC AB -- -- ON QC -- NF -- EP --
NOTE: The NS record by Lafontaine et al. (2001) could not be verified; it is assumed to be based on a misidentification but the species is expected there. Some specimens from AB and NF are somewhat distinct genetically from other *P. porrectella*, and from one another, and may represent distinct biological entities. Placement in genus *Pseudoplutella* by Baraniak (2007) has not been widely accepted; we consider *Pseudoplutella* to be a synonym of *Plutella*.
hesperidella (Hübner, 1796) *(Tinea)*
vigilaciella Clemens, 1860 *(Plutella)*
360083 *xylostella* (Linnaeus, 1758) (*Phalaena*)‡ R AK YT NT P BC AB SK MB ON QC LB NF NB NS PE
NOTE: Landry & Hebert (2013) synonymized *P. karsholtella* under *P. xylostella*.
brassicella Fitch, 1856 *(Plutella)*
cicerella (Rondani, 1876) *(Gelechia)*
continentalis Zagulajev, 1981 *(Plutella)*
cruciferarum Zeller, 1843 *(Plutella)*
dentella (Fabricius, 1794) *(Alucita)*
dubiosella Beutenmüller, 1889 *(Plutella)*
karsholtella Baraniak, 2007 (*Plutella*)
limbipennella Clemens, 1860 *(Plutella)*
maculipennis (Curtis, 1832) *(Cerostoma)*
megapterella Bentinck, 1943 *(Plutella)*
mollipedella Clemens, 1860 *(Plutella)*
sinuatus (Fabricius, 1798) *(Ypsolophus)*

***Rhigognostis* Zeller, 1857**

360088 *interrupta* (Walsingham, 1881) *(Plutella)* R AK YT NT -- BC AB SK -- U QC LB NF -- -- --
NOTE: A specimen in the Algonquin Provincial Park collection in ON has not been verified.
360088.1 *kuusamoensis* Kyrki, 1989 *(Rhigognostis)* R -- YT -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: New for Canada and NA based on BOLD records. Specimens with DNA barcodes that match those from the type locality in Finland were collected in the tundra in the British Mountains in Ivvavik National Park, above the Arctic circle.
360089 *poulella* (Busck, 1904) *(Plutella)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
360090 *senilella* (Zetterstedt, 1839) *(Plutella)* R AK YT -- -- -- -- -- -- -- -- -- -- -- --
NOTE: Specimens from AK and YT have been confirmed recently via DNA barcode.

22. Family GLYPHIPTERIGIDAE Stainton, 1854 (sedge moths and allies)

by J.-F. Landry and G.R. Pohl

Glyphipterigids have wingspans ranging from four to 30 mm, but most are very small, with wingspans of about 10 mm. The adults are frequently strikingly marked, usually with transverse bands or lines, and often with metallic marks. Larvae bore in stems and leaves, mainly in monocots.

The family Glyphipterigidae contains about 535 described species. In the Nearctic region, 48 species are known, 15 of which have been recorded from nNA. A world catalogue of the Acrolepiinae was published by Gaedike (1997).

subfamily Glyphipteriginae Stainton, 1854
tax info: Heppner (1985)

***Abrenthia* Busck, 1915**

360091 *cuprea* Busck, 1915 *(Abrenthia)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

***Glyphipterix* Hübner, 1825**
Glyphipteryx Zeller, 1839

circumscriptella group Heppner, 1985

360095 *circumscriptella* (Chambers, 1881) *(Glyphipteryx)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
apacheana Heppner, 1985 *(Glyphipterix)*
circumscripta Dyar, 1900 *(Glyphipterix)*

powelli group Heppner, 1985

360098 *urticae* Heppner, 1985 *(Glyphipterix)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
sylviborealis Heppner, 1985 *(Glyphipterix)*

bifasciata group Heppner, 1985

360099 *bifasciata* (Walsingham, 1881) *(Glyphipteryx)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

haworthana group Heppner, 1985

360103 *haworthana* (Stephens, 1834) *(Heribeia)* R AK -- NT -- BC -- -- MB ON QC LB -- -- NS --
haworthella (Stephens, 1829) *(Heribeia)*
haworthella (Westwood, 1854) *(Heribeia)*
zonella (Zetterstedt, 1839) *(Oecophora)*
360104 *sistes* Heppner, 1985 *(Glyphipterix)* R AK -- -- -- BC AB SK -- -- QC -- -- -- NS --
viridimontis Heppner, 1985 *(Glyphipterix)*

californiae group Heppner, 1985

360107 *juncivora* Heppner, 1985 *(Glyphipterix)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

montisella group Heppner, 1985

360113 *saurodonta* (Meyrick, 1913) *(Glyphipteryx)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
360115 *chambersi* Heppner, 1985 *(Glyphipterix)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
360116 *montisella* (Chambers, 1875) *(Glyphipteryx)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
montella Meyrick, 1913 *(Glyphipterix)*
montinella Chambers, 1877 *(Glyphipterix)*

***Diploschizia* Heppner, 1981**

360127 *impigritella* (Clemens, 1863) *(Glyphipteryx)* R -- -- -- -- BC AB -- MB ON QC -- NF NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.
exoptatella (Chambers, 1875) *(Glyphipterix)*

subfamily Acrolepiinae Heinemann, 1870

Acrolepiopsis Gaedike, 1970
tax info: Landry (2007)

360133	*leucoscia* (Meyrick, 1927) *(Acrolepia)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	NOTE: A specimen collected at Port Franks (ON) by KS is the sole Canadian record. It was confirmed via DNA barcoding.																	
360134	*incertella* (Chambers, 1872) *(Heribeia)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	dorsimaculella (Chambers, 1873) *(Agriope)*																	
360136	*californica* Gaedike, 1984 *(Acrolepiopsis)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--
	liliivora Gaedike, 1994 *(Acrolepiopsis)*																	
360137	*assectella* (Zeller, 1839) (*Roeslerstammia*)+	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	PE

23. Family ARGYRESTHIIDAE Bruand, 1850 (shiny head-standing moths)
by G.R. Pohl

Argyresthiid moths are extremely small to very small, with wingspans of five to 15 mm, and with narrow, usually golden wings. The larvae are bud, fruit, leaf, and twig miners.

This family has often been placed as a subfamily within the Yponomeutidae. It includes about 160 species worldwide, all in the genus *Argyresthia*. There are 54 species known in the Nearctic region, 33 of which have been reported from nNA. The group was revised by Busck (1907) but that is long out of date. Many species were treated by Forbes (1923) and Freeman (1972) but a modern revision is needed.

Argyresthia Hübner, 1825

360139	*abies* Freeman, 1972 *(Argyresthia)*	R	--	--	--	--	BC	AB	SK	--	ON	QC	--	--	--	--	--
360140	*affinis* Braun, 1940 *(Argyresthia)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
360141	*alternatella* Kearfott, 1908 *(Argyresthia)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	--	--	--	--
360143	*annettella* Busck, 1907 *(Argyresthia)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	NF	--	--	--
360144	*apicimaculella* Chambers, 1874 *(Argyresthia)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--
	visaliella Chambers, 1875 *(Argyresthia)*																	
360146	*aureoargentella* Brower, 1953 *(Argyresthia)*	R	--	--	--	--	--	--	--	U	ON	QC	--	--	NB	--	--
	NOTE: The MB record by Ives & Wong (1988) could not be verified. Freeman (1972) reported the species from "eastern Canada and eastern United States", but the only confirmed Canadian records are as noted.																	
360147	*austerella* Zeller, 1873 *(Argyresthia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
360148	*belangerella* Chambers, 1875 *(Argyresthia)*	R	--	--	--	--	--	--	--	--	U	QC	--	--	--	--	--
	NOTE: The ON record by Forbes (1923) could not be verified.																	
360150	*calliphanes* Meyrick, 1913 *(Argyresthia)*	R	E	--	--	--	E	E	--	--	ON	--	--	--	--	--	--
	NOTE: The identity of this species has long been confused with *A. goedartella*. Forbes (1923) claims that most North American reports of the latter actually refer to *A. calliphanes*. Until this matter is resolved, we list only the type locality (ON: Toronto) as a valid *A. calliphanes* record, and all other material is treated as *A. goedartella*.																	
360151	*canadensis* Freeman, 1972 *(Argyresthia)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	NS	--
360153	*chalcochrysa* Meyrick, 1913 *(Argyresthia)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
360154	*columbia* Freeman, 1972 *(Argyresthia)*	R	--	--	--	--	BC	U	--	--	--	--	--	--	--	--	--
	NOTE: The AB record by Lewis & Sohn (2015) is unverified.																	
360155	*conjugella* Zeller, 1839 (*Argyresthia*)+	R	--	YT	--	--	BC	AB	SK	P	ON	QC	--	NF	--	NS	PE
360156	*cupressella* Walsingham, 1890 *(Argyresthia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
360159	*flexilis* Freeman, 1960 *(Argyresthia)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
360161	*freyella* Walsingham, 1890 *(Argyresthia)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	NF	NB	NS	--
360163	*goedartella* (Linnaeus, 1758) (*Phalaena*)‡	R	AK	YT	NT	--	BC	AB	SK	P	ON	QC	LB	NF	NB	NS	PE
	NOTE: According to Forbes (1923) and Covell (1984), this species is not widely distributed in NA, and most reports of it actually refer to *A. calliphanes*; see note above under the latter.																	
360165	*laricella* Kearfott, 1908 *(Argyresthia)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
360168	*mariana* Freeman, 1972 *(Argyresthia)*	R	--	YT	--	--	--	AB	--	--	ON	QC	--	--	--	--	--
360170	*mesocausta* Meyrick, 1913 *(Argyresthia)*	R	--	--	--	--	U	--	--	--	ON	--	--	--	--	--	--
	NOTE: Reported from BC by Blackmore (1924), but voucher specimens in the UBC collection require verification. It is otherwise known only from the holotype specimen from Toronto (ON).																	

360171 *monochromella* Busck, 1921 *(Argyresthia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

360173 *nymphocoma* Meyrick, 1919 *(Argyresthia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This species appears to be known only from the holotype female (BMNH), from Muskoka Lake (ON).

360174 *oreasella* Clemens, 1860 *(Argyresthia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Kearfott's (1905b) use of the Old World name *A andereggiella* Duponchel (a synonym of the Palaearctic *A. ivella* (Haworth)) refers to this species.

oreadella Meyrick, 1914 *(Argyresthia)*

360175 *pallidella* Braun, 1918 *(Argyresthia)* U -- -- -- -- U -- -- -- -- -- -- -- -- --
NOTE: Represented in BC by old specimens in the UBC collection that require verification; this species is otherwise unknown in Canada, and apparently is verified only from the two type specimens from CA.

360176 *pedmontella* Chambers, 1877 *(Argyresthia)* U -- -- -- -- U -- -- -- -- -- -- -- -- --
NOTE: Reported from BC by Blackmore (1924), and represented by old specimens in the UBC collection that require verification; this species is otherwise unknown in Canada, and appears to be verified only from the type series, from CO.

pedemontella Meyrick, 1914 *(Argyresthia)*

360177 *picea* Freeman, 1972 *(Argyresthia)* R AK YT -- -- BC AB -- -- ON QC -- -- -- -- --

360180 *pruniella* (Clerck, 1759) *(Phalaena)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- NS --

360181 *pseudotsuga* Freeman, 1972 *(Argyresthia)* R -- -- -- -- BC -- -- -- U -- -- -- -- -- --
NOTE: Lewis & Sohn (2015) report this otherwise western species from ON, but the primary source of that record is unknown.

360182 *pygmaeella* ([Denis & Schiffermüller], 1775) *(Tinea)** R AK YT NT -- BC AB SK MB ON QC -- NF NB P --

alpina Müller-Rutz, 1920 *(Argyresthia)*

capilella Strand, 1901 *(Argyresthia)*

hyperboreella Strand, 1920 *(Argyresthia)*

rudolphella (Esper, 1791) *(Tinea)*

semifasciella Stephens, 1834 *(Argyresthia)*

360183 *quadristrigella* Zeller, 1873 *(Argyresthia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

360187 *subreticulata* Walsingham, 1882 *(Argyresthia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.

360189 *thuiella* (Packard, 1871) *(Bucculatrix)* R -- -- -- -- -- -- -- U ON QC -- P NB NS P
NOTE: The MB record by Ives & Wong (1988) could not be verified. Freeman (1972) reported the species from across Atlantic Canada, but confirmed records are known there only for NB and NS.

360191 *tsuga* Freeman, 1972 *(Argyresthia)* R AK -- -- -- BC -- -- -- U -- -- -- -- -- --
NOTE: Lewis & Sohn (2015) list ON for this otherwise western species; the primary source of that record is unknown.

24. Family LYONETIIDAE Stainton, 1854

by G.R. Pohl

Lyonetiids are extremely small moths, usually with wingspans of five to 10 mm. The frons is smooth scaled, and the base of the antenna forms an eye cap. The larvae are leaf or twig miners, usually of dicots.

The family Lyonetiidae is cosmopolitan and consists of about 200 described species. There are 19 named species in NA; 11 of these are recorded from nNA. The group is poorly known and is in need of taxonomic work.

subfamily Lyonetiinae Stainton, 1854

Lyonetia Hübner, 1825

360194 *alniella* Chambers, 1875 *(Lyonetia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.

360195 *candida* Braun, 1916 *(Lyonetia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

360196 *latistrigella* Walsingham, 1882 *(Lyonetia)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

360197 *saliciella* Busck, 1904 *(Lyonetia)* R U -- -- -- BC P U U ON U -- -- -- -- --
NOTE: This species is known with certainty only from BC and ON; other records require verification.

360198 *prunifoliella* (Hübner, 1796) *(Tinea)*‡ R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --

apicistrigella Chambers, 1875 *(Lyonetia)*

gracilella Chambers, 1876 *(Lyonetia)*

nidificansella (Packard, 1869) *(Lithocolletis)*

speculella Clemens, 1862 *(Lyonetia)*

360199 *pulverulentella* Zeller, 1839 *(Lyonetia)** R -- -- -- -- BC -- SK -- -- -- -- -- -- -- --

subfamily Cemiostominae Spuler, 1898

***Proleucoptera* Busck, 1902**

360201	*smilaciella* (Busck, 1900) *(Leucoptera)*	R	--	--	--	--	--	--	--	MB	ON	--	--	--	--	--	--
	NOTE: New for Canada, based on material in the CNC.																

***Paraleucoptera* Heinrich, 1918**

360202	*albella* (Chambers, 1871) *(Cemiostoma)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	--	--	--	NS	--

***Leucoptera* Hübner, 1825**
Cemiostoma Zeller, 1848

360206	*laburnella* (Stainton, 1851) *(Cemiostoma)*+ *wailesella* (Stainton, 1858) *(Cemiostoma)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
360207	*pachystimella* Busck, 1904 *(Leucoptera)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
360209	*spartifoliella* (Hübner, [1813]) *(Tinea)*+ *punctaurella* (Haworth, 1828) *(Tinea)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--

25. Family ATTEVIDAE Mosher, 1916
by G.R. Pohl and J.-F. Landry

Attevids are small moths (wingspan of about 20 mm in our species), with brightly coloured wings. Larvae live and feed in loose communal webs.

The Attevidae were historically considered to be a subfamily of Yponomeutidae, but were elevated to family status by van Nieukerken et al. (2011). Worldwide, about 50 species are known, primarily in the tropics. A single species is known in the Nearctic region; it is native to southern TX but it has adapted to feed on an introduced plant (*Ailanthus altissima*; "Tree-of-Heaven") that has become naturalized in temperate NA, and the moth has now spread as far north as eastern Canada. Our species was treated taxonomically by Wilson et al. (2010).

***Atteva* Walker, 1854**
Syncallia Guérin-Méneville, [1844]

360211	*aurea* (Fitch, 1856) *(Deiopeia)*	R	--	--	--	--	--	--	--	--	ON	S	--	--	S	S	--
	NOTE: Historical reports of the Neotropical species *A. punctella* in NA refer to this species.																

compta (Clemens, 1860) *(Poeciloptera)*
edithella Busck, 1908 *(Atteva)*
ergatica Walsingham, 1914 *(Atteva)*
exquisita Busck, 1912 *(Atteva)*
floridana (Neumögen, 1891) *(Oeta)*
microsticta Walsingham, 1914 *(Atteva)*
punctella of authors (not Stoll, 1782) *(Phalaena)*

26. Family PRAYDIDAE Moriuti, 1977
by G.R. Pohl

Praydids are very small moths with wingspans of 10 to 15 mm, and relatively broad wings.

This group was recently split from the Yponomeutidae by van Nieukerken et al. (2011). It contains about 50 species worldwide, mostly in the Old World. Four species are known from the Nearctic region, two of which have been reported in nNA.

***Prays* Hübner, 1825**

360011 *atomocella* (Dyar, 1902) *(Hyponomeuta)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Known as the Hoptree Borer, this species is restricted to extreme southern ON and was recently listed as "Endangered" in Canada by COSEWIC (2016).
atomosella (Meyrick, 1914) *(Yponomeuta)*
diaphora (Walsingham, 1907) *(Hponomeuta)*
360214 *fraxinella* (Bjerkander, 1784) *(Tinea)*+ R -- -- -- -- BC -- -- -- -- -- -- NF -- -- --

27. Family HELIODINIDAE Heinemann & Wocke, 1876

by J.-F. Landry and G.R. Pohl

Heliodinids are very small moths, with wingspans of about eight to 15 mm, and with orange and metallic markings on the forewings. Larvae of most species are leafminers, or stem and fruit borers.

About 70 species of heliodinids are known worldwide. There are 31 species known from the Nearctic region, four of which occur in nNA. The entire family was treated by Hsu & Powell (2004).

***Neoheliodines* Hsu, 2005**
Heliodines Stainton, 1854

360220 *nyctaginella* (Gibson, 1914) *(Heliodines)* R -- -- -- -- -- -- -- MB P QC -- -- -- -- --
360221 *cliffordi* (Harrison & Passoa, 1995) *(Heliodines)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Point Pelee (ON), confirmed via DNA barcoding.

***Embola* Walsingham, 1909**

360232 *ionis* (Clarke, 1952) *(Heliodines)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a BOLD specimen from Point Pelee (ON), confirmed via DNA barcoding.

***Aetole* Chambers, 1875**

360244 *extraneella* (Walsingham, 1881) *(Heliodines)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

28. Family BEDELLIIDAE Meyrick, 1880

by J.-F. Landry

The Bedelliidae are very small grey moths, with elongate wings spanning 10 mm or less. They are defined by several wing and larval characteristics. The larvae are leaf miners in several plant families; young larvae make a linear mine, and later instars create blotch mines.

The family Bedelliidae contains 16 species, all in the genus *Bedellia*, in all regions except the Neotropical. Only two species occur in the Nearctic region; one of which occurs in nNA.

***Bedellia* Stainton, 1849**

360247 *somnulentella* (Zeller, 1847) *(Lyonetia)*‡ R -- -- -- -- BC AB -- MB ON QC -- -- -- -- --
staintoniella Clemens, 1860 *(Bedellia)*

Unassigned Superfamily

29. Unassigned APODITRYSIA family

by J.-F. Landry and G.R. Pohl

The genus *Cycloplasis* is currently not assigned to any superfamily or family. It has historically been placed in the Heliodinidae, but was excluded from that group by Hsu & Powell (2004), and was further excluded from the Yponomeutoidea by Sohn et al. (2013). It was provisionally placed immediately following

the Yponomeutoidea by Pohl et al. (2016). The genus contains five species worldwide, two of which occur in NA. One of these has been discovered recently in nNA.

***Cycloplasis* Clemens, 1864**

380001 *panicifoliella* Clemens, 1864 *(Cycloplasis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada based on a southern ON record by KS.

Superfamily DOUGLASIOIDEA Heinemann & Wocke, 1876

30. Family DOUGLASIIDAE Heinemann & Wocke, 1876

by G.R. Pohl

Douglasiidae are very small moths, with wingspans of eight to 12 mm. They have short, drooping palps, and the head is covered with a smooth layer of scales. Larvae are stem borers and flower-petiole miners of Rosaceae and other plants.

Twenty-nine species of Douglasiidae are known worldwide, all but one from the Holarctic. Nine species are known from NA, five of which are recorded from nNA. Gaedike (1990) revised the Nearctic species (in German).

***Tinagma* Zeller, 1839**

400001 *obscurofasciella* (Chambers, 1881) *(Douglasia)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --
crenulellum Engel, 1907 *(Tinagma)*
400002 *pulverilinea* Braun, 1921 *(Tinagma)* R -- YT -- -- P AB -- MB -- -- -- -- -- -- --
leucaspis Braun, 1926 *(Tinagma)*
400003 *giganteum* Braun, 1921 *(Tinagma)* R -- -- -- -- BC AB -- MB -- -- -- -- -- -- --
400004 *brunneofasciatum* Gaedike, 1990 *(Tinagma)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
400009 *dryadis* Staudinger, 1872 *(Tinagma)** R AK YT -- -- -- -- -- -- -- -- -- -- -- --

Superfamily GELECHIOIDEA

31. Family AUTOSTICHIDAE Le Marchand, 1947

by G.R. Pohl

Autostichids are very small to small moths (wingspans of 10 to 20 mm), with relatively broad wings. The adults superficially resemble oecophorids or gelechiids, and are not easily distinguished from other gelechioid groups. Larvae of species in this family are poorly known, but most Glyphidocerinae are saprophagous.

As currently defined (Heikkilä et al. 2014), the Autostichidae comprise a diverse group of several subfamilies that had previously been placed in their own families (Glyphidoceridae, Deoclonidae) or in the Elachistidae, Oecophoridae, and Blastobasidae. Approximately 650 species of autostichids are known worldwide; 25 are known from the Nearctic region, seven of which occur in nNA.

subfamily Oegoconiinae Leraut, 1992

***Oegoconia* Stainton, 1854**
Oecogonia of authors, [no date]

420002 *novimundi* (Busck, 1915) *(Symmoca)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
420003E *quadripuncta* (Haworth, 1828) *(Recurvaria)* E -- -- -- -- -- E -- -- -- E -- -- -- -- --
NOTE: Historical reports of *O. quadripuncta* in NA refer to *O. novimundi* in the West, and to *O. deauratella* in the East. The identities of these species was clarified by Landry et al. (2013).
420004 *deauratella* (Herrich-Schäffer, 1855) *(Lampros)*+ R -- -- -- -- -- -- -- -- ON QC -- -- NB -- PE

subfamily Symmocinae Gozmány, 1957

***Gerdana* Busck, 1908**
tax info: Clarke (1941)

420008	*caritella* Busck, 1908 *(Gerdana)*	R	--	--	--	--	BC	AB	SK	--	ON	QC	--	--	--	--	--
	telemacha (Meyrick, 1927) *(Mnesistega)*															

***Taygete* Chambers, 1873**

420009	*attributella* (Walker, 1864) *(Gelechia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	difficilisella (Chambers, 1872) *(Evagora)*															
420014	*sylvicolella* (Busck, 1903) *(Epithectis)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	--	--	--	--

subfamily Glyphidocerinae Hodges, 1998

***Glyphidocera* Walsingham, 1892**

420019E	*hurlberti* Adamski, 2000 *(Glyphidocera)*	E	--	--	--	--	--	E	E	--	--	--	--	--	--	--	--
	NOTE: Recent records of this species from AB and SK have been corrected to *G. septentrionella*, based on DNA barcode data.															
420022	*lithodoxa* Meyrick, 1929 *(Glyphidocera)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
420024	*septentrionella* Busck, 1904 *(Glyphidocera)*	R	--	--	--	--	BC	AB	SK	--	--	QC	--	--	--	--	--
	isonephes Meyrick, 1929 *(Glyphidocera)*															
	speratella Busck, 1908 *(Glyphidocera)*															

32. Family LECITHOCERIDAE Le Marchand, 1947
by G.R. Pohl

This group is made up primarily of small moths with broad wings and long antennae. The larvae have secondary setae and feed on detritus.

About 1200 species of lecithocerids are known worldwide. The group is restricted to the southern Palaearctic, Africa, and Australia, except for the Nearctic genus *Martyringa* which was tentatively included in the family by Heikkilä et al. (2014). Two species of *Martyringa* are known in the Nearctic region, one of which occurs in nNA. Both were treated by Hodges (1974), within the family Oecophoridae.

Lecithoceridae-Martyringa group Heikkilä et al., 2014

***Martyringa* Busck, 1902**

420027	*latipennis* (Walsingham, 1882) *(Oegoconia)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--

33. Family OECOPHORIDAE Bruand, 1850
by G.R. Pohl

Most Oecophorids are small to medium-sized moths with broad wings and long, upcurved palps. Most characters are extremely variable. Larvae of many oecophorid species feed on fungi and detritus in leaf litter and bark; some tie leaves or make cases from twigs or bits of leaves. A few are pests of stored food and household goods.

Many groups have recently been moved out of the Oecophoridae to other families in the Gelechioidea, including the speciose group Depressariinae, now treated as a separate family (Heikkilä et al. 2014). The Stathmopodidae, considered a subfamily of Oecophoridae by Hodges (1998), were excluded by van Nieukerken et al. (2011). As currently defined, the family Oecophoridae is distributed nearly worldwide, with approximately 3400 described species, primarily in Australia. Thirty-eight species are known from the Nearctic region; 20 of these occur in nNA. Most species currently placed in the family were treated

in revisions by Clarke (1941) and Hodges (1974). The former is based on outdated nomenclature, and the latter does not adequately illustrate the genitalia, so both monographs are required to make reliable identifications.

subfamily Oecophorinae Bruand, 1850

tribe Oecophorini Bruand, 1850

***Decantha* Busck, 1908**

420037 *boreasella* (Chambers, 1873) *(Oecophora)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --
NOTE: The Palaearctic name *D. borkhausenii* was used by Cannings & Scudder (2007).
borkhausenii of authors (not Zeller, 1839) *(Oecophora)*
420039 *tistra* Hodges, 1974 *(Decantha)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
420040 *stonda* Hodges, 1974 *(Decantha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Epicallima* Dyar, 1903**
Callima Clemens, 1860 [pre-occupied]

420041 *argenticinctella* (Clemens, 1860) *(Callima)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --

***Dafa* Hodges, 1974**

420043 *formosella* ([Denis & Schiffermüller], 1775) *(Tinea)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

***Batia* Stephens, 1834**

420044 *lunaris* (Haworth, 1828) *(Recurvaria)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
begrandella (Duponchel, 1842) *(Gracillaria)*
clavella (Herrich-Schäffer, 1854) *(Lampros)*
metznerella (Treitschke, 1835) *(Plutella)*

***Fabiola* Busck, 1908**

420046 *shaleriella* (Chambers, 1875) *(Oecophora)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
420049 *edithella* (Busck, 1907) *(Epicallima)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
amplicincta (Braun, 1923) *(Epicallima)*

***Brymblia* Hodges, 1974**

420051 *quadrimaculella* (Chambers, 1875) *(Oecophora)* R -- -- NT -- BC AB SK MB ON QC -- -- -- -- --
dimidiella (Walsingham, 1888) *(Oecophora)*

***Denisia* Hübner, 1825**
tax info: Lvovsky (2007)
Chambersia Riley, 1891

420052 *haydenella* (Chambers, 1877) *(Blepharocera)* R -- -- -- -- BC AB SK -- -- QC -- -- -- -- --
420052.1 *yukonella* Lvovsky, 2007 *(Denisia)* R -- YT -- -- -- -- -- -- -- -- -- -- -- -- --

***Polix* Hodges, 1974**

420054 *coloradella* (Walsingham, 1888) *(Oecophora)* R AK -- NT -- BC AB SK MB ON QC P NF P P P
rostrigera (Meyrick, 1919) *(Schiffermuelleria)*

***Mathildana* Clarke, 1941**

420055 *newmanella* (Clemens, 1864) *(Dasycera)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

420056 *flipria* Hodges, 1974 *(Mathildana)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

***Carolana* Clarke, 1941**

420058 *ascriptella* (Busck, 1908) *(Borkhausenia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

***Hofmannophila* Spuler, 1910**

420060 *pseudospretella* (Stainton, 1849) *(Oecophora)*+ R AK -- -- -- BC U U MB -- -- -- NF -- NS --
NOTE: Reported in Canada from "BC east to MB" by Hodges (1974), but no specific AB or SK records were given.

***Endrosis* Hübner, 1825**

420061 *sarcitrella* (Linnaeus, 1758) *(Phalaena)*+ R AK -- -- -- BC -- -- IC -- QC -- -- -- -- --
NOTE: MB material in the UMB collection is based on an interception. The Palaearctic name *Tinea lacteella* was used on several historical BC checklists to refer to this species.

antarctica Staudinger, 1898 *(Endrosis)*
betulinella (Hübner, 1819) *(Tinea)*
fenestrella (Scopoli, 1763) *(Phalaena)*
ferrestrella Chambers, 1875 *(Endrosis)*
kennecottella Clemens, 1860 *(Endrosis)*
lacteella of authors (not [Denis & Schiffermüller], 1775) *(Tinea)*
lactella ([Denis & Schiffermüller], 1775) *(Tinea)*
subditella (Walker, 1864) *(Gelechia)*

***Eido* Chambers, 1873**

420062 *trimaculella* (Fitch, 1856) *(Chaetochilus)* R -- -- -- -- BC AB SK MB ON QC P P NB NS P
albapalpella (Chambers, 1872) *(Venilia)*
albapulvella (Chambers, 1875) *(Anarsia)*
haustellata (Walsingham, 1882) *(Chimabacche)*

***Oecophora* Latreille, 1796**

420063 *bractella* (Linnaeus, 1758) *(Tinea)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

subfamily Pleurotinae Toll, 1956

tribe Pleurotini Toll, 1956

***Pleurota* Hübner, 1825**

420064 *albastrigulella* (Kearfott, 1907) *(Dorota)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

34. Family DEPRESSARIIDAE Meyrick, 1883 (flat moths)

by G.R. Pohl and J.-F. Landry

Flat moths are small moths with broad wings (wingspans of 10 to 25 mm) and upturned palps. The group is united by abdominal and pupal features. Larvae of Depressariinae are leaf tiers, stem borers and seed feeders of many plant families. Species of Ethmiinae mainly feed beneath light webbing on Boraginaceae and Hydrophyllaceae.

Until recently, this group was considered to be a subfamily of the Elachistidae, and prior to that it was placed in the Oecophoridae. The Depressariidae are distributed worldwide, with about 2300 described species. There are 201 species known in the Nearctic region; 87 of these have been reported from nNA, and another two are expected. Our knowledge of this family is reasonably complete, as most have been treated in the past 50 years (see references below).

subfamily Depressariinae Meyrick, 1883

tax info: Hodges (1974)

Agonopterix Hübner, 1825

Agonopteryx of authors, [no date]

420066	*gelidella* (Busck, 1908) *(Depressaria)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	NF	--	--	--	
420067	*conterminella* (Zeller, 1839) *(Depressaria)*	R	--	--	--	--	BC	AB	--	--	ON	--	--	--	--	--	--	
420069	*lythrella* (Walsingham, 1889) *(Depressaria)*	R	--	--	--	--	--	E	E	--	ON	QC	--	--	NB	NS	PE	

NOTE: Material reported from AB by Pohl et al. (2010) and from SK by The Lepidopterists' Society (1995) has been redetermined as *A. gelidella*.

arcuella Clarke, 1941 *(Agonopterix)*

420070	*nubiferella* (Walsingham, 1881) *(Depressaria)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
420071	*curvilineella* (Beutenmüller, 1889) *(Depressaria)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	NS	--	
420073	*oregonensis* Clarke, 1941 *(Agonopterix)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
420074	*clemensella* (Chambers, 1876) *(Gelechia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
420075	*clarkei* (Keifer, 1936) *(Agonopteryx)*	R	--	--	--	--	BC	--	--	MB	--	--	--	--	--	--	--	
420076	*atrodorsella* (Clemens, 1863) *(Depressaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	P	--	
420077	*pteleae* Barnes & Busck, 1920 *(Agonopterix)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	

NOTE: New for Canada, based on a specimen from Point Pelee (ON) in the CNC, confirmed by JFL.

420078	*eupatoriiella* (Chambers, 1878) *(Depressaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	

NOTE: New for Canada, based on specimens from Toronto (ON) and Mont-Saint-Hilaire (QC), identified via DNA barcode.

eupatoriella Poole, 1995 *(Agonopterix)*

plummerella (Busck, 1908) *(Agonopteryx)*

420079	*pulvipennella* (Clemens, 1864) *(Depressaria)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	--	NB	NS	PE	

solidaginis (Walsingham, 1889) *(Depressaria)*

420080	*nigrinotella* (Busck, 1908) *(Depressaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
420080.1	*costimacula* Clarke, 1941 *(Agonopterix)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
420081	*walsinghamella* (Busck, 1902) *(Depressaria)*	R	--	--	--	--	--	--	--	E	ON	QC	--	--	--	NS	--	

NOTE: Reported from MB in error by Brodie (1929) as *A. fernaldella*, a synonym. Vouchers in the Heath collection at UMB were redetermined by GRP as *A. fusciterminella*, which was not described until 1941.

fernaldella (Walsingham, 1889) *(Depressaria)*

420082	*fusciterminella* Clarke, 1941 *(Agonopterix)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--	
420083	*chrautis* Hodges, 1974 *(Agonopterix)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--	
420084	*sabulella* (Walsingham, 1881) *(Depressaria)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--	

callosella (Barnes & Busck, 1920) *(Agonopteryx)*

420087	*alstroemeriana* (Clerck, 1759) *(Phalaena)*+	R	--	--	--	--	BC	--	--	--	ON	--	--	--	--	--	--	

monilella ([Denis & Schiffermüller], 1775) *(Tinea)*

puella (Hübner, 1796) *(Tinea)*

420089	*rosaciliella* (Busck, 1904) *(Depressaria)*	R	AK	P	P	--	BC	AB	SK	--	--	--	--	--	--	NS	--	

echinopanicis Clarke, 1941 *(Agonopterix)*

rosiciliella (Meyrick, 1922) *(Depressaria)*

420090	*ciliella* (Stainton, 1849) *(Depressaria)*+	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--	

NOTE: This European species was introduced to NS in the 1940s, but Hodges (1974) was not sure if it had become established. However, recent collections from Cape Breton (NS) by F. McEvoy indicate that it is still present there.

annexella (Zeller, 1868) *(Depressaria)*

420091	*canadensis* (Busck, 1902) *(Depressaria)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	--	

pallidella (Busck, 1904) *(Depressaria)*

sciadopa (Meyrick, 1920) *(Depressaria)*

serrae (Clarke, 1933) *(Agonopteryx)*

terinella (Barnes & Busck, 1920) *(Agonopteryx)*

420092	*arnicella* (Walsingham, 1881) *(Depressaria)*	R	U	YT	--	--	BC	AB	--	E	--	--	--	--	--	--	--	

NOTE: Reported as questionable from AK by Ferris et al. (2012). Historical reports from MB are erroneous; vouchers have been redetermined as *A. fusciterminella*, which was not described until 1941.

420093	*flavicomella* (Engel, 1907) *(Depressaria)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	--	NS	--	
420094	*senicionella* (Busck, 1902) *(Depressaria)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	

NOTE: New for Canada, based on a single specimen in the CNC.

seniciella (Busck, 1902) *(Depressaria)*

420095	*robiniella* (Packard, 1869) *(Depressaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--	

hilarella (Zeller, 1873) *(Depressaria)*

420097	*thelmae* Clarke, 1941 *(Agonopterix)*	R	--	--	--	--	BC	--	--	--	ON	P	--	--	--	--	--	

420098E *sanguinella* (Busck, 1902) *(Depressaria)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: Reported from MB by Brodie (1929), but vouchers in the UMB Heath collection have been redetermined recently as *A. argillacea*.

420099 *lecontella* (Clemens, 1860) *(Depressaria)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

420102 *argillacea* (Walsingham, 1881) *(Depressaria)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

blacella (Barnes & Busck, 1920) *(Agonopteryx)*

420104 *psoraliella* (Walsingham, 1881) *(Depressaria)* U -- -- -- -- P -- -- U -- E -- -- -- -- --
NOTE: Reported as "probably occuring in BC" by Hodges (1974). The MB record by Kearfott (1905b) could not be verified. This species is known from WA and ND and probably occurs in adjacent Canada. The QC record by Winn (1912) and repeated by Handfield et al. (1997) was based on material in the LEMQ that has been redetermined as *Depressaria alienella* and other species.

murmurans (Meyrick, 1927) *(Depressaria)*

420106 *antennariella* Clarke, 1941 *(Agonopterix)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

victori (Lesse & Viette, 1949) *(Agonopteryx)*

420107P *nebulosa* (Zeller, 1873) *(Depressaria)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species is known from northeastern USA and was reported as "probable" for QC by Handfield et al. (1997).

420108 *nervosa* (Haworth, 1811) *(Depressaria)*+ R -- -- -- -- BC -- -- -- H -- -- -- -- -- --
NOTE: The ON record was reared from a greenhouse in London (Hodges 1974).

blackmori (Busck, 1922) *(Agonopteryx)*
boicella (Freyer, 1835) *(Depressaria)*
costosa (Haworth, 1811) *(Depressaria)*
depunctella (Hübner, 1813) *(Tinea)*
dryadoxena (Meyrick, 1920) *(Depressaria)*
venosata (Kautz, 1930) *(Agonopteryx)*

420109 *posticella* (Walsingham, 1881) *(Depressaria)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

420112 *arenella* ([Denis & Schiffermüller], 1775) *(Tinea)*+ R -- -- -- -- BC -- -- -- ON -- -- -- -- NS --

Exaeretia Stainton, 1841

Depressariodes Turati, 1925
Martyrhilda Clarke, 1941

420113 *canella* (Busck, 1904) *(Depressaria)* R AK YT -- -- BC AB SK MB ON QC -- -- -- -- --

cogitata (Braun, 1926) *(Agonopteryx)*

420114 *umbraticostella* (Walsingham, 1881) *(Depressaria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

420115 *sordidella* (Clarke, 1941) *(Martyrhilda)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

420117E *thoracenigraeella* (Chambers, 1875) *(Gelechia)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The unvouchered MB record from Kearfott (1905b) and Brodie (1929) as *Depressaria novimundi*, a synonym, is deemed erroneous; this species is otherwise known only from CA and OR (Hodges 1974).

novimundi (Walsingham, 1881) *(Depressaria)*

420120 *nivalis* (Braun, 1921) *(Agonopteryx)* R -- -- -- -- BC AB -- MB -- -- -- -- -- -- --

jacobi (McDunnough, 1944) *(Martyrhilda)*

420121 *hildaella* (Clarke, 1941) *(Martyrhilda)* R -- -- NT -- P AB -- -- -- -- -- -- -- -- --

420122 *ciniflonella* (Lienig & Zeller, 1846) *(Depressaria)** R AK YT NT -- BC AB SK MB ON QC -- -- NB P PE

isa (Clarke, 1947) *(Martyrhilda)*
klamathiana (Walsingham, 1881) *(Depressaria)*
kusnezovi (Krulikowsky, 1908) *(Depressaria)*
smolandiae (Palm, 1943) *(Depressaria)*

420124 *fulva* (Walsingham, 1882) *(Depressaria)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --

endryopa (Meyrick, 1918) *(Depressaria)*

Bibarrambla Clarke, 1941

420125 *allenella* (Walsingham, 1882) *(Semioscopis)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

Semioscopis Hübner, 1825

420126 *packardella* (Clemens, 1863) *(Enicostoma)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE

eruditella (Grote, 1880) *(Epigraphia)*

420127 *merriccella* Dyar, 1902 *(Semioscopis)* R -- -- -- -- BC AB P MB ON QC -- -- NB P --

merrickella Meyrick, 1922 *(Semioscopis)*

420128 *inornata* Walsingham, 1882 *(Semioscopis)* R AK YT NT -- BC AB SK MB ON QC -- -- NB NS --

420129 *megamicrella* Dyar, 1902 *(Semioscopis)* R -- -- -- -- BC AB SK U ON QC -- -- NB NS --
NOTE: This species is not known with certainty from MB, but the species is reported "from QC west to Edmonton AB" by Hodges (1974). Two specimens in the Heath collection at UMB, which are likely the vouchers for Brodie's (1929) MB record, are misidentified specimens of *S. aurorella*.

braunae Clarke, 1941 *(Semioscopis)*

420130 *aurorella* Dyar, 1902 *(Semioscopis)* R -- -- -- -- BC AB P MB ON QC -- -- NB NS --
NOTE: No confirmed SK specimens are known but the species almost certainly occurs there.

420131 *mcdunnoughi* Clarke, 1941 *(Semioscopis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Depressaria **Haworth, 1811**

tax info: Bucheli (2005)

artemisiae group Bucheli, 2005

420133 *artemisiae* Nickerl, 1864 *(Depressaria)** R -- -- -- -- BC AB P MB -- -- -- -- -- -- --
NOTE: No confirmed SK specimens are known but the species almost certainly occurs there.

dracunculi Clarke, 1933 *(Depressaria)*

420132 *atrostrigella* Clarke, 1941 *(Depressaria)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

420156 *depressana* (Fabricius, 1775) *(Tinea)*+ R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

pastinacella group Bucheli, 2005

420136 *radiella* (Goeze, 1783) *(Tinea)*+ R -- -- -- -- BC AB SK P ON QC -- NF NB NS PE
NOTE: The name radiella is a recently discovered older valid name for the Parsnip Webworm, widely reported under the historical Palaearctic names *D. pastinacella* and *D. heracliana* (Karsholt et al. 2004). The latter was often misspelled "*heracleana*". Winn (1912) reported it as "*D. heracleana*" as well as "*D. applana* Fabricius", an Old World synonym of *D. heracliana*.

heracliana of authors (not Linnaeus, 1758) *(Phalaena)*

ontariella Bethune, 1870 *(Depressaria)*

pastinacella (Duponchel, 1838) *(Haemilis)*

420138 *daucella* ([Denis & Schiffermüller], 1775) *(Tinea)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- --

apiella (Hübner, 1796) *(Tinea)*

rubricella ([Denis & Schiffermüller], 1775) *(Tinea)*

420135 *cinereocostella* Clemens, 1864 *(Depressaria)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.

clausella Walker, 1864 *(Depressaria)*

420137E *juliella* Busck, 1908 *(Depressaria)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: Specimens from the Canadian prairies appear to be intergrades between *D. eleanorae* and *D. juliella*. They are listed herein as *D. eleanorae* pending further work (Pohl et al. 2010).

420139 *eleanorae* Clarke, 1941 *(Depressaria)* R -- -- -- -- -- AB SK MB ON P -- -- -- -- --

thomaniella group Bucheli, 2005

420140 *alienella* Busck, 1904 *(Depressaria)* R -- YT NT -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Winn's (1912) use of the Old World name *D. emeritella* Stainton refers to this species.

corystopa Meyrick, 1927 *(Depressaria)*

nymphidia Meyrick, 1918 *(Depressaria)*

420141 *artemisiella* McDunnough, 1927 *(Depressaria)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

douglasella group Bucheli, 2005

420144 *whitmani* Clarke, 1941 *(Depressaria)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

420147 *leptotaeniae* Clarke, 1933 *(Depressaria)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

420153 *togata* Walsingham, 1889 *(Depressaria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

thustra Clarke, 1947 *(Depressaria)*

420155 *angustati* Clarke, 1941 *(Depressaria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Nites **Hodges, 1974**

420157 *grotella* (Robinson, 1869) *(Depressaria)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS --

symmochlota (Meyrick, 1918) *(Depressaria)*

420158 *atrocapitella* (McDunnough, 1944) *(Depressaria)* R -- -- -- -- BC P SK MB ON QC -- -- -- -- --

420159 *betulella* (Busck, 1902) *(Depressaria)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
420160 *maculatella* (Busck, 1908) *(Depressaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
420161 *ostryella* (McDunnough, 1943) *(Depressaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

subfamily Ethmiinae Busck, 1909

tax info: Powell (1973)

Pyramidobela Braun, 1923

420166 *quinquecristata* (Braun, 1921) *(Enicostoma)* R -- -- -- -- BC AB -- -- ON -- -- -- -- -- --

Ethmia Hübner, 1819

albitogata group Powell, 1973

420171 *coquillettella* Busck, 1907 *(Ethmia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
420172E *monachella* Busck, 1910 *(Ethmia)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: Reported from MB by Brodie (1929), but Powell (1973) reports that this species is known only from the holotype from CO. The MB record is assumed to refer to *E. albicostella*, which is very similar superficially.

semilugens group Powell, 1973

420180 *albistrigella* (Walsingham, 1880) *(Psecadia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *albistrigella* (Walsingham, 1880) *(Psecadia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
chrysurella (Dietz, 1905) *(Breckenridgia)*
b *icariella* Powell, 1973 *(Ethmia)*

420185E *apicipunctella* (Chambers, 1875) *(Hyponomeuta)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The MB record reported by Pohl et al. (2014) was based on a misidentified specimen; *E. apicipunctella* is not known to occur north of WY.

bipunctella group Powell, 1973

420193 *bipunctella* (Fabricius, 1775) *(Alucita)*+ R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
bipunctelia (Uffeln, 1938) *(Psecadia)*
echiella ([Denis & Schiffermüller], 1775) *(Tinea)*
griseicostella Wiltshire, 1947 *(Ethmia)*
hochenwartiella (Rossi, 1790) *(Tinea)*
420194 *monticola* (Walsingham, 1880) *(Psecadia)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
a *monticola* (Walsingham, 1880) *(Psecadia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
b *emmeli* Powell, 1973 *(Ethmia)*
c *fuscipedella* (Walsingham, 1888) *(Psecadia)* r -- -- -- -- -- ab sk mb on qc -- -- -- -- --

hagenella group Powell, 1973

420199 *zelleriella* (Chambers, 1878) *(Hyponomeuta)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
texanella (Chambers, 1880) *(Hyponomeuta)*

longimaculella group Powell, 1973

420210 *longimaculella* (Chambers, 1872) *(Hyponomeuta)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
a *longimaculella* (Chambers, 1872) *(Hyponomeuta)* r -- -- -- -- -- -- -- mb on qc -- -- -- -- --
walsinghamella (Beutenmüller, 1889) *(Psecadia)*
b *coranella* Dyar, 1902 *(Ethmia)*

trifurcella group Powell, 1973

420213 *albicostella* (Beutenmüller, 1889) *(Psecadia)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
420216 *marmorea* (Walsingham, 1888) *(Psecadia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

subfamily Stenomatinae Meyrick, 1906

Antaeotricha Zeller, 1854
tax info: Duckworth (1964), Hayden & Dickel (2015)

420224 *schlaegeri* (Zeller, 1854) *(Cryptolechia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.

420227 *leucillana* Zeller, 1854 *(Antaeotricha)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.

algidella (Walker, 1864) *(Cryptolechia)*

420228P *osseella* (Walsingham, 1889) *(Ide)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species is known from northeastern USA and was listed as "probable" for QC by Handfield (2002).

querciella (Busck, 1908) *(Brachyloma)*

420239 *manzanitae* Keifer, 1937 *(Antaeotricha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Rectiostoma Becker, 1982
tax info: Duckworth (1964, 1971)

Setiostoma Zeller, 1885

420245 *xanthobasis* (Zeller, 1875) *(Setiostoma)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Port Franks (ON), collected recently by KS and confirmed via DNA barcode.

Menesta Clemens, 1860
tax info: Duckworth (1964)

420249 *tortriciformella* Clemens, 1860 *(Menesta)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

albaciliaeella (Chambers, 1875) *(Hyale)*

coryliella (Chambers, 1875) *(Hyale)*

liturella (Walker, 1864) *(Gelechia)*

420250 *melanella* Murtfeldt, 1890 *(Menesta)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected recently at Port Franks (ON) by KS.

Gonioterma Walsingham, 1897
tax info: Duckworth (1964)

420252 *mistrella* (Busck, 1907) *(Stenoma)* R -- -- -- -- -- -- -- MB ON P -- -- -- -- --

Depressariidae (unplaced)
tax info: Hodges (1974)

Carcina Hübner, 1825

420254 *quercana* (Fabricius, 1775) *(Pyralis)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

cancella (Hübner, 1824) *(Tinea)*

fagana ([Denis & Schiffermüller], 1775) *(Tortrix)*

faganella (Treitschke, 1833) *(Lampros)*

purpurana Millière, 1874 *(Carcina)*

Machimia Clemens, 1860

420257 *tentoriferella* Clemens, 1860 *(Machimia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE

confertella (Walker, 1864) *(Depressaria)*

fernaldella (Chambers, 1878) *(Depressaria)*

Psilocorsis Clemens, 1860

420259 *quercicella* Clemens, 1860 *(Psilocorsis)* R -- -- -- -- -- -- -- MB ON QC -- -- -- NS --

420260 *cryptolechiella* (Chambers, 1872) *(Depressaria)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --

cressonella (Chambers, 1878) *(Cryptolechia)*

dubiatella (Zeller, 1877) *(Cryptolechia)*
faginella (Chambers, 1872) *(Hagno)*
obsoletella (Zeller, 1873) *(Cryptolechia)*

420261 *reflexella* Clemens, 1860 *(Psilocorsis)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
caryae Clarke, 1941 *(Psilocorsis)*
ferruginosa (Zeller, 1873) *(Cryptolechia)*
fletcherella Gibson, 1909 *(Psilocorsis)*

35. Family COSMOPTERIGIDAE Heinemann & Wocke, 1876 (cosmet moths)

by G.R. Pohl

Cosmopterigid moths are very small to small moths with wingspans of eight to 20 mm; most species have narrow pointed forewings. The larvae have diverse feeding habits.

The family Cosmopterigidae is distributed worldwide and contains about 1730 described species; 185 species are recorded for the Nearctic region, with 29 species known from nNA. The family was revised by Hodges (1978).

subfamily Chrysopeleiinae Mosher, 1916

Periploca Braun, 1919

420268 *ceanothiella* (Cosens, 1908) *(Stagmatophora)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --

420275 *hortatrix* Hodges, 1962 *(Periploca)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada based on CNC and BOLD material.

420279 *laeta* Hodges, 1962 *(Periploca)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

420283 *nigra* Hodges, 1962 *(Periploca)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on BOLD material.

Stilbosis Clemens, 1860

420300 *venifica* (Hodges, 1964) *(Aeaea)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

420302 *ostryaeella* (Chambers, 1874) *(Aeaea)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

420315 *tesquella* Clemens, 1860 *(Stilbosis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
quinquicristatella (Chambers, 1881) *(Laverna)*

Chrysopeleia Chambers, 1874

420318 *purpuriella* Chambers, 1874 *(Chrysopeleia)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on two specimens in the CNC.

Walshia Clemens, 1864

420321 *miscecolorella* (Chambers, 1875) *(Laverna)* R -- -- -- -- BC AB SK MB ON P -- -- -- -- --

420322E *amorphella* Clemens, 1864 *(Walshia)* E -- -- -- -- E E -- E -- -- -- -- -- --
NOTE: Historical western records of ths species refer to *W. miscecolorella*, which was considered a synonym of *W. amorphella* at the time of McDunnough (1939).

420326 *dispar* Hodges, 1961 *(Walshia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Perimede Chambers, 1874

420329 *erransella* Chambers, 1874 *(Perimede)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

420334 *circitor* Hodges, 1969 *(Perimede)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material collected recently at Port Franks (ON) by KS.

420337 *ricina* Hodges, 1962 *(Perimede)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on recent collections by KS (ON) and A. Charpentier (QC).

Sorhagenia Spuler, 1910

420339 *nimbosa* (Braun, 1915) *(Cystioecetes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
420342 *baucidis* Hodges, 1969 *(Sorhagenia)* R -- -- -- -- -- P SK MB -- -- -- -- -- -- --

subfamily Cosmopteriginae Heinemann & Wocke, 1876

Cosmopterix Hübner, 1825

tax info: Hodges (1978), Koster (2010)

Cosmopteryx Zeller, 1839

420352 *nitens* (Walsingham, 1889) *(Cosmopteryx)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada based on a southern ON record by KS; this species is known from adjacent MI.
420354 *molybdina* Hodges, 1962 *(Cosmopterix)*‡ R -- -- -- -- BC -- -- MB -- -- -- -- -- -- --
420355 *pulchrimella* (Chambers, 1875) *(Cosmopteryx)*‡ R -- -- -- -- -- -- SK MB ON QC -- -- -- -- --
parietariae (Hering, 1931) *(Cosmopteryx)*
420359 *montisella* (Chambers, 1875) *(Cosmopteryx)* R -- -- -- -- BC -- SK -- ON -- -- -- -- -- --
unicolorella (Walsingham, 1889) *(Cosmopteryx)*
420370 *gemmiferella* (Clemens, 1860) *(Cosmopteryx)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --
420373 *clemensella* (Stainton, 1860) *(Cosmopteryx)* R -- -- -- -- -- AB -- MB ON QC -- -- -- NS --
hermodora (Meyrick, 1919) *(Cosmopteryx)*
420374 *scirpicola* Hodges, 1962 *(Cosmopterix)*‡ R -- -- -- -- BC -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada based on CNC and BOLD material.
420376 *fernaldella* (Walsingham, 1882) *(Cosmopteryx)* R -- -- -- -- BC AB SK -- ON QC -- -- -- -- --
420377 *floridanella* (Beutenmüller, 1889) *(Cosmopteryx)*‡ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada based on southern ON record by KS; verified by genitalia dissection and DNA barcoding.
420381 *teligera* Meyrick, 1915 *(Cosmopterix)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --
abdita (Hodges, 1962) *(Evippe)*

Stagmatophora Herrich-Schäffer, 1853

420392 *sexnotella* (Chambers, 1878) *(Gelechia)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --

Eteobalea Hodges, 1962

420396 *intermediella* (Riedl, 1966) *(Stagmatophora)*+ XI -- -- -- -- XI XI XI -- -- -- -- -- -- -- --
NOTE: This species was released for biocontrol of toadflax (*Linaria* spp.) in BC, AB, and SK in 1992 but no viable populations appear to have become established in Canada (Weeden et al. 2002).
420397 *serratella* (Treitschke, 1833) *(Oecophora)*+ XI -- -- -- -- XI XI XI -- -- -- -- -- -- -- --
NOTE: This species was released for biocontrol of toadflax (*Linaria* spp.) in BC, AB, and SK in 1992 but no viable populations appear to have become established in Canada (Weeden et al. 2002).

Limnaecia Stainton, 1851

420401 *phragmitella* Stainton, 1851 *(Limnaecia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE

Teladoma Busck, 1932

420402 *helianthi* Busck, 1932 *(Teladoma)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

subfamily Antequerinae Hodges, 1978

Euclemensia Grote, 1878

420448 *bassettella* (Clemens, 1864) *(Hamadryas)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

36. Family GELECHIIDAE Stainton, 1854

by G.R. Pohl, J.-F. Landry, and V. Nazari

Gelechiid moths, in NA at least, are very small to small moths, with wingspans of six to 25 mm. Most species are cryptically coloured in shades of brown or grey. The forewing is often narrowly rounded or pointed at the apex, and the hind wing usually has a sinuous margin leading to an acute tip. Gelechiid larvae roll or mine leaves, bore in stems and roots, produce galls, or feed on seed heads or dried seeds.

The family Gelechiidae is cosmopolitan and diverse, with about 4700 described species. About 900 species are known in the Nearctic region; 370 of these have been reported in nNA, and two more are expected. Significant taxonomic works have been published on the Dichomeridinae (Hodges 1986) and on the genus *Chionodes* (Hodges 1999), but overall the family is poorly known, and many species await discovery and description. A checklist of North American species was published by Lee et al. (2009). The higher-level taxonomy of the group has been the subject of several recent studies; the scheme employed here follows Karsholt et al. (2013) and Heikkilä et al. (2014).

subfamily Anacampsinae Bruand, 1850

tribe Chelariini Le Marchand, 1947

Neofaculta Gozmány, 1955

420451 *infernella* (Herrich-Schäffer, 1854) *(Gelechia)*‡ R AK YT P P -- -- -- MB ON QC -- -- -- -- --

Anarsia Zeller, 1839

420453 *lineatella* Zeller, 1839 *(Anarsia)*+ R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --
pruniella Clemens, 1860 *(Anarsia)*

tribe Anacampsini Bruand, 1850

Aproaerema Durrant, 1897

Syncopacma Meyrick, 1925

420462 *nigrella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC, confirmed via DNA barcode.

420463 *palpilineella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- -- -- -- MB -- QC -- -- -- -- --
NOTE: New for Canada, based on material in the CNC, UMB, and RSM (MB records) and BOLD data (QC).

Untomia Busck, 1906

420464 *albistrigella* (Chambers, 1872) *(Gelechia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Point Pelee (ON), identified via DNA barcode and confirmed by VN.

Battaristis Meyrick, 1914

420466 *concinnusella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --
concinusella (Forbes, 1923) *(Gelechia)*

420468 *nigratomella* (Clemens, 1863) *(Gelechia)* R -- -- -- -- BC AB -- MB ON QC -- -- NB NS --
apicilineella (Chambers, 1874) *(Gelechia)*
apicilinella (Clemens, 1863) *(Gelechia)*
apicistrigella (Chambers, 1872) *(Parasia)*

420470 *vittella* (Busck, 1926) *(Duvita)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on BOLD records.

Anacampsis Curtis, 1827

420471 *agrimoniella* (Clemens, 1860) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
aderusella (Chambers, 1874) *(Gelechia)*
aduncella (Zeller, 1868) *(Gelechia)*

420474 *conclusella* (Walker, 1864) *(Gelechia)* R -- -- -- -- BC AB -- MB ON QC -- -- -- NS --
grissefasciella (Chambers, 1875) *(Gelechia)*

420475 *consonella* (Zeller, 1873) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
ochreocostella (Chambers, 1878) *(Gelechia)*
quadrimaculella (Chambers, 1874) *(Gelechia)*

420477 *fragariella* Busck, 1904 *(Anacampsis)* R AK -- NT -- BC AB P MB -- -- -- -- -- -- --

420479 *innocuella* (Zeller, 1873) *(Gelechia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS U
NOTE: The PE records by Prentice (1965) and others could not be verified.

420483 *levipedella* (Clemens, 1863) *(Strobisia)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on material in the CNC that has been confirmed via DNA barcode.

420484 *lupinella* Busck, 1901 *(Anacampsis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

420485 *niveopulvella* (Chambers, 1875) *(Gelechia)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE

420487 *paltodoriella* Busck, 1903 *(Anacampsis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

420488 *populella* (Clerck, 1759) *(Phalaena)*+ R -- -- -- -- -- -- -- -- -- QC -- NF P NS --

420490 *rhoifructella* (Clemens, 1860) *(Gelechia)* R -- -- -- -- -- -- -- MB ON QC -- -- U NS --
NOTE: The NB records by Prentice (1965) and Lafontaine et al. (2001) could not be verified and may refer to *A. consonella*.

420494 *tristrigella* (Walsingham, 1882) *(Gelechia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

Strobisia Clemens, 1860

420496 *iridipennella* Clemens, 1860 *(Strobisia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen in the CNC that has been confirmed via DNA barcode.
aphroditella Busck, [1903] *(Strobisia)*
aproditella Chambers, 1872 *(Strobisia)*
iripennella Chambers, 1878 *(Strobisia)*
irridipennella Busck, [1903] *(Strobisia)*

Holophysis Walsingham, 1910

420499 *emblemella* (Clemens, 1860) *(Strobisia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on two specimens in the CNC.

subfamily Dichomeridinae Hampson, 1918
tax info: Hodges (1986)

Helcystogramma Zeller, 1877
Brachmia Hübner, 1825

420501 *fernaldella* (Busck, 1903) *(Trichotaphe)* R AK YT P -- BC AB SK MB ON QC -- NF NB NS --

420502 *casca* (Braun, 1925) *(Brachmia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

420503 *badia* (Braun, 1921) *(Brachmia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

420505 *hystricella* (Braun, 1921) *(Brachmia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material collected at Port Franks (ON) by KS, and confirmed via DNA barcode.

420506 *melanocarpa* (Meyrick, 1929) *(Brachmia)* R -- -- -- -- BC -- -- MB ON QC -- -- NB NS --
trimaculella (Chambers, 1874) *(Gelechia)*

Dichomeris Hübner, 1818
NOTE: Numerous recent generic synonyms are omitted here; see Hodges (1986).
Trichotaphe Clemens, 1860

ligulella group Hodges, 1986

420510 *ligulella* Hübner, 1818 *(Dichomeris)*+ R -- -- -- -- BC -- SK MB ON QC -- -- NB NS --
contubernalellus (Fitch, 1853) *(Chaetochilus)*
flavivittellus (Clemens, 1864) *(Ypsolophus)*

malifoliellus (Fitch, 1854) *(Chaetochilus)*
paucigutellus (Clemens, 1863) *(Ypsolophus)*
pometella (Harris, 1853) *(Rhinosia)*
quercipominella (Chambers, 1872) *(Ypsolophus)*
reedella (Chambers, 1872) *(Ypsolophus)*
ruderella (Chambers, 1878) *(Ypsolophus)*

marginella group Hodges, 1986

420517 *marginella* (Fabricius, 1781) *(Alucita)*+ R -- -- -- -- BC -- -- -- ON QC -- -- -- NS --

punctipennella group Hodges, 1986

420520 *punctipennella* (Clemens, 1860) *(Anorthosia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- NS --
gracilella (Chambers, 1872) *(Sagaritis)*

punctidiscella group Hodges, 1986

420521 *punctidiscella* (Clemens, 1863) *(Ypsolophus)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
stramineella (Chambers, 1878) *(Ypsolophus)*
straminiella (Chambers, 1872) *(Ypsolophus)*
suffusella (Chambers, 1874) *(Anarsia)*

hirculella group Hodges, 1986

420526 *caia* Hodges, 1986 *(Dichomeris)* R -- -- -- -- -- -- -- -- ON P -- -- -- NS --

flavocostella group Hodges, 1986

420529 *flavocostella* (Clemens, 1860) *(Gelechia)* R -- -- -- -- E -- U MB ON QC -- -- NB P PE
NOTE: Hodges (1986) reported a single questionable record from BC, which is considered to be erroneous herein. Material from SK in the RSM requires verification.

inversella group Hodges, 1986

420531 *inversella* (Zeller, 1873) *(Epicorthylis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material collected at Port Franks (ON) by KS, and confirmed via DNA barcode, confirmed by JFL.

ventrella group Hodges, 1986

420533 *ventrella* (Fitch, 1854) *(Chaetochilus)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
querciella (Chambers, 1872) *(Ypsolophus)*
roseocostellus (Walsingham, 1882) *(Ypsolophus)*
trinotella (Coquillett, 1883) *(Nothris)*
unicipunctellus (Clemens, 1860) *(Ypsolophus)*
420534 *georgiella* (Walker, 1866) *(Depressaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
bimaculella (Chambers, 1877) *(Nothris)*
caryaefoliella (Chambers, 1872) *(Ypsolophus)*
mollis Barnes & Busck, 1920 *(Dichomeris)*
420535 *vacciniella* Busck, 1915 *(Dichomeris)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
nephanthes (Meyrick, 1929) *(Nothris)*
420536 *bipunctella* (Walsingham, 1882) *(Ypsolophus)* R -- -- -- -- -- -- -- -- -- P -- -- NB NS PE

setosella group Hodges, 1986

420537 *setosella* (Clemens, 1860) *(Trichotaphe)* R -- -- -- -- -- AB P MB ON QC -- -- -- -- --
costolutella (Chambers, 1872) *(Begoe)*
dolabella (Zeller, 1873) *(Nothris)*

eupatoriella (Chambers, 1872) *(Ypsolophus)*
eupatoriiella (Chambers, 1878) *(Nothris)*

420538 *vindex* Hodges, 1986 *(Dichomeris)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

420546 *stipendiaria* (Braun, 1925) *(Trichotaphe)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

420547 *bilobella* (Zeller, 1873) *(Gelechia)* R -- -- -- -- BC AB SK -- ON QC LB -- -- NS PE

420548 *aleatrix* Hodges, 1986 *(Dichomeris)* R -- -- -- -- -- -- -- -- ON P -- -- -- U --
NOTE: The NS record is a recent collection by F. McEvoy that awaits confirmation via dissection.

420549 *copa* Hodges, 1986 *(Dichomeris)* R -- -- -- -- -- -- -- MB ON P -- -- -- NS --

420551 *furia* Hodges, 1986 *(Dichomeris)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

420552 *purpureofusca* (Walsingham, 1882) *(Gelechia)* R -- -- -- -- U AB SK MB ON QC -- -- NB NS --
NOTE: Uncertain BC record in Hodges (1986).

420553 *nonstrigella* (Chambers, 1878) *(Dasycera)* R -- -- -- -- -- E -- -- ON QC -- -- NB NS --
NOTE: Bowman's (1951) AB record is erroneous, and probably refers to *D. purpureofusca*, which is known from AB and which was considered by McDunnough (1939) to be a synonym of *D. nonstrigella*.

420554 *ochripalpella* (Zeller, 1873) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
alacella (Clemens, 1862) *(Trichotaphe)*
goodellella (Chambers, 1881) *(Gelechia)*

420556 *inserrata* (Walsingham, 1882) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

420562 *serrativittella* (Zeller, 1873) *(Gelechia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
plutella (Chambers, 1874) *(Gelechia)*

420563 *xanthoa* Hodges, 1986 *(Dichomeris)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

420564 *isa* Hodges, 1986 *(Dichomeris)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

420568 *simpliciella* (Busck, 1904) *(Trichotaphe)* R -- -- -- -- U AB SK -- -- -- -- -- -- -- --
NOTE: Uncertain BC record in Hodges (1986), but there is no reason to doubt that the species occurs there; it was described from Pullman (WA).
hemiclina (Meyrick, 1929) *(Trichotaphe)*

420570 *gnoma* Hodges, 1986 *(Dichomeris)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

420571 *washingtoniella* (Busck, 1906) *(Trichotaphe)* R -- -- -- -- -- -- -- -- -- ON P -- -- -- -- --

420572 *levisella* (Fyles, 1904) *(Trichotaphe)* R -- -- -- -- BC AB SK MB ON QC -- -- P NS --

420573 *leuconotella* (Busck, 1904) *(Trichotaphe)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

420574 *mercatrix* Hodges, 1986 *(Dichomeris)* R -- -- -- -- -- -- -- -- ON -- -- -- -- NS --

420576 *juncidella* (Clemens, 1860) *(Trichotaphe)* R -- -- -- -- -- -- E -- ON QC -- -- -- NS --
NOTE: Reported from SK by Kearfott (1905a), but no vouchers are known. This report is deemed erroneous, probably a misidentification of *D. levisella* or *D. leuconotella*.
dubitella (Chambers, 1872) *(Depressaria)*
pallipalpis (Walker, 1864) *(Gelechia)*

glenni group Hodges, 1986

420577 *glenni* Clarke, 1947 *(Dichomeris)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

costarufoella group Hodges, 1986

420578 *costarufoella* (Chambers, 1874) *(Gelechia)* R -- -- -- -- -- AB SK MB ON -- -- -- -- -- --
costarufeoella Poole, 1996 *(Dichomeris)*
costirufella (Meyrick, 1925) *(Trichotaphe)*

420579 *agonia* Hodges, 1986 *(Dichomeris)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
trinotella (Busck, 1906) *(Trichotaphe)*

420580 *offula* Hodges, 1986 *(Dichomeris)* R -- -- -- -- BC AB -- MB ON QC -- -- -- NS --

picrocarpa group Hodges, 1986

420582 *heriguronis* (Matsumura, 1931) *(Nothris)*+ R -- -- -- -- -- -- -- -- ON P -- -- -- NS --
NOTE: New for Canada, based on material collected at Port Franks (ON) by KS, and confirmed via DNA barcode; and from material taken at Dingwall (NS) by F. McEvoy, confirmed by GRP. The Old World name *D. picrocarpa* has been used by some authors in NA, including Handfield (2002).
iothalles (Forbes, 1939) *(Trichotaphe)*
picrocarpa of authors (not Meyrick, 1913) *(Carbatina)*

subfamily Apatetrinae Meyrick, 1947

tribe Apatetrini Meyrick, 1947

Chrysoesthia Hübner, 1825

420585 *drurella* (Fabricius, 1775) *(Tinea)*+ R -- -- -- -- BC AB -- -- ON QC -- -- -- NS --
NOTE: Use of the Old World name "*Chrysopora hermanella*" by Forbes (1923) and other early workers refers to this species.
hermanella of authors (not Fabricius, 1781) *(Tinea)*
myllerella (Fabricius, 1794) *(Pyralis)*
zinckeella (Hübner, 1813) *(Tinea)*

420586 *lingulacella* (Clemens, 1860) *(Nomia)* R -- -- -- -- BC AB SK -- ON QC -- -- -- -- --
arminiella (Frey & Boll, 1878) *(Gelechia)*

420587 *sexguttella* (Thunberg, 1794) *(Tinea)*+ R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
aurifasciella (Stephens, 1834) *(Argyrosetia)*
naeviferella (Duponchel, 1843) *(Lita)*

tribe Pexicopiini Hodges, 1986

Platyedra Meyrick, 1895
tax info: Powell et al. (2001)

420591 *subcinerea* (Haworth, 1828) *(Recurvaria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on BOLD records from London and Pickering (ON).
bathrosticta (Meyrick, 1936) *(Gelechia)*
vilella (Zeller, 1847) *(Gelechia)*

Sitotroga Heinemann, 1870

420592 *cerealella* (Olivier, 1789) *(Alucita)*ǂ R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --
arctella (Walker, 1864) *(Gelechia)*
hordei (Kirby, 1815) *([none])*
melanarthra (Lower, 1900) *(Gelechia)*
ochrescens (Meyrick, 1938) *(Aristotelia)*
palearis (Meyrick, 1913) *(Epithectis)*

subfamily Thiotrichinae Karsholt et al., 2013

Polyhymno Chambers, 1874

420594 *luteostrigella* Chambers, 1874 *(Polyhymno)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: The KS record collected 9 September 2015, at Port Franks (ON) is the first Canadian record of this species.
fuscostrigella Chambers, 1876 *(Polyhymno)*

subfamily Anomologinae Meyrick, 1926

Metzneria Zeller, 1839
tax info: Englert (1974)

420599 *paucipunctella* Zeller, 1839 *(Metzneria)*+ R -- -- -- -- BC XI XI -- XI -- -- -- -- -- --
NOTE: This European species was released in BC (in 1973), AB (1985), SK (1986), and ON (1993) for biocontrol of knapweed (*Centaurea* spp.) (Bourchier et al. 2002). It has become established in BC but not elsewhere in Canada.
confusalis Lucas, 1956 *(Metzneria)*
zimmermanni Hering, 1941 *(Metzneria)*

420600 *lappella* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

Isophrictis Meyrick, 1917

420603 *actinopa* Meyrick, 1929 *(Isophrictis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen in the CNC.

420604 *anteliella* (Busck, 1903) *(Paltodora)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
420608 *magnella* (Busck, 1903) *(Paltodora)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
420614 *rudbeckiella* Bottimer, 1926 *(Isophrictis)* R -- -- -- -- -- P SK -- -- QC -- -- -- -- --
denotata Bottimer, 1926 *(Isophrictis)*
420616 *similiella* (Chambers, 1872) *(Gelechia)* R -- -- -- -- -- -- SK MB ON -- -- -- -- -- --
piscipalis (Chambers, 1878) *(Gelechia)*
piscipellis (Zeller, 1873) *(Gelechia)*
similella (Meyrick, 1926) *(Gelechia)*
solaniella (Chambers, 1875) *(Gelechia)*
solaniiella (Chambers, 1873) *(Gelechia)*
420619 *trimaculella* (Chambers, 1874) *(Anarsia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
touceyella (Busck, 1903) *(Ypsolophus)*

***Monochroa* Heinemann, 1870**

420622 *disconotella* (Chambers, 1878) *(Gelechia)* R -- -- -- -- -- -- -- -- ON P -- -- -- NS --
420623 *discriminata* (Meyrick, 1923) *(Aristotelia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
420624 *fragariae* (Busck, 1919) *(Aristotelia)* R -- -- -- -- BC -- -- -- E -- -- -- -- NS --
NOTE: Voucher material from the report by Belton (1988) from ON and NS, from strawberries (*Fragaria* spp.), was redetermined as *M. disconotella*, but newly collected NS material shares DNA barcodes with BC material.
420626 *harrisonella* (Busck, 1904) *(Aristotelia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
420627 *monactis* (Meyrick, 1923) *(Aristotelia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
420628 *perterrita* (Meyrick, 1923) *(Aristotelia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
420629 *placidella* (Zeller, 1874) *(Gelechia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
natalella (Busck, 1904) *(Aristotelia)*
420631 *quinquepunctella* (Busck, 1903) *(Aristotelia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
NOTE: New for Canada, based on several BOLD records.

***Ptycerata* Ely, 1910**

420633 *busckella* Ely, 1910 *(Ptycerata)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on a specimen in the CNC from Blackburn (ON), determined by R.W. Hodges.

***Enchrysa* Zeller, 1873**

420634 *dissectella* Zeller, 1873 *(Enchrysa)* R -- -- -- -- BC -- -- -- ON QC -- -- -- NS --
youngella (Kearfott, 1905) *(Aristotelia)*

***Theisoa* Chambers, 1874**

420635 *constrictella* (Zeller, 1873) *(Oecophora)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on BOLD records.
bifasciella Chambers, 1874 *(Theisoa)*

***Stereomita* Braun, 1922**

420638 *andropogonis* Braun, 1922 *(Stereomita)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --

***Aristotelia* Hübner, 1825**

420648 *devexella* Braun, 1925 *(Aristotelia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
420650 *elegantella* (Chambers, 1874) *(Gelechia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
superbella (Chambers, 1875) *(Gelechia)*
420652 *fungivorella* (Clemens, 1864) *(Gelechia)* R -- -- -- -- BC AB SK MB ON QC -- NF -- NS PE
420656 *isopelta* Meyrick, 1929 *(Aristotelia)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --
nigrobasiella Clarke, 1932 *(Aristotelia)*
420665 *primipilana* Meyrick, 1923 *(Aristotelia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
420667 *pudibundella* (Zeller, 1873) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on BOLD records.

intermediella (Chambers, 1878) *(Gelechia)*

420670 *roseosuffusella* (Clemens, 1860) *(Gelechia)* R -- YT -- -- BC AB SK MB ON QC -- -- -- -- PE
bellela (Walker, 1865) *(Gelechia)*
rosasuffusella (Chambers, 1875) *(Gelechia)*

420671 *rubidella* (Clemens, 1860) *(Gelechia)* R -- -- -- -- BC AB -- MB ON QC -- -- -- NS --
rubensella (Chambers, 1872) *(Gelechia)*

420672 *salicifungiella* (Clemens, 1864) *(Gelechia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Port Franks by KS, confirmed via DNA barcoding and JFL.

Deltophora **Janse, 1950**
tax info: Sattler (1979)

420680E *glandiferella* (Zeller, 1873) *(Gelechia)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: This species of the southern USA was reported from QC in error by Handfield et al. (1997), as pointed out by Handfield (2002).

420681 *sella* (Chambers, 1874) *(Gelechia)* R -- -- -- -- -- AB -- -- ON -- -- -- -- -- --
a *sella* (Chambers, 1874) *(Gelechia)*
b *atacta* (Meyrick, 1927) *(Aristotelia)* r -- -- -- -- -- ab -- -- -- -- -- -- -- -- --
c *californica* Sattler, 1979 *(Deltophora)*

Bryotropha **Heinemann, 1870**
tax info: Rutten & Karsholt (2004)

420682 *plantariella* (Tengström, 1848) *(Gelechia)** R -- YT -- -- BC AB SK MB ON QC -- NF NB NS --
420683 *galbanella* (Zeller, 1839) *(Gelechia)** R AK YT -- -- -- -- -- -- -- QC -- -- -- -- --
420684 *gemella* Rutten & Karsholt, 2004 *(Bryotropha)* R -- -- -- -- BC AB SK -- ON QC -- -- NB NS --
420685 *similis* (Stainton, 1854) *(Gelechia)*‡ R AK YT -- -- BC AB SK MB ON QC P NF NB NS PE
clandestina (Meyrick, 1923) *(Gelechia)*
pullifimbriella (Clemens, 1863) *(Gelechia)*
tahavusella (Forbes, 1922) *(Duvita)*
420686 *hodgesi* Rutten & Karsholt, 2004 *(Bryotropha)* R -- -- -- -- BC AB P MB ON QC -- NF -- NS --
420687 *branella* (Busck, 1908) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
420688 *altitudophila* Rutten & Karsholt, 2004 *(Bryotropha)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
420689 *boreella* (Douglas, 1851) *(Gelechia)** R -- -- NT -- -- AB SK -- -- -- -- -- -- -- --
NOTE: New NA record, based on several BOLD specimens.

subfamily Gelechiinae Stainton, 1854

tribe Litini Keifer, 1936

Glauce **Chambers, 1875**

420690 *pectenalaeella* Chambers, 1875 *(Glauce)* R -- -- -- -- -- -- -- MB ON QC -- -- -- NS --

Agnippe **Chambers, 1872**
Evippe Chambers, 1873

420692 *biscolorella* Chambers, 1872 *(Agnippe)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: The southern ON record by KS has been verified by DNA barcoding.

420698 *prunifoliella* (Chambers, 1873) *(Evippe)* R -- -- -- -- BC AB SK -- ON QC -- -- NB NS PE

Recurvaria **Haworth, 1828**
Telea Stephens, 1834

420700 *consimilis* Braun, 1930 *(Recurvaria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on specimens in the CNC.

420702 *nanella* ([Denis & Schiffermüller], 1775) *(Tinea)*+ R -- -- -- -- BC -- -- -- ON QC -- -- -- NS PE
crataegella Busck, 1903 *(Recurvaria)*

420703 *stibomorpha* Meyrick, 1929 *(Recurvaria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

420704	*taphiopis* Meyrick, 1929 *(Recurvaria)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
420705	*vestigata* Meyrick, 1929 *(Recurvaria)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--

***Coleotechnites* Chambers, 1880**
Eucordylea Dietz, 1900
Evagora Clemens, 1860
Pulicalvaria Freeman, 1963

420706	*albicostata* (Freeman, 1965) *(Eucordylea)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
420708	*apicitripunctella* (Clemens, 1860) *(Recurvaria)*	R	--	--	--	--	U	--	--	--	ON	QC	--	--	NB	--	--
	NOTE: Uncertain BC record by Duncan (2006).																	
	abietisella (Packard, 1883) *(Gelechia)*																	
	attritella (Walker, 1864) *(Gelechia)*																	
420709P	*ardas* (Freeman, 1960) *(Evagora)*	P	--	--	--	--	--	P	--	--	--	--	--	--	--	--	--
	NOTE: Known from Glacier National Park (MT); it probably occurs in adjacent AB.																	
420711	*atrupictella* (Dietz, 1900) *(Eucordylea)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	U
	NOTE: The PE records by Prentice (1965) and others could not be verified.																	
420714	*biopes* (Freeman, 1960) *(Evagora)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--
	NOTE: Known globally only from Cypress Hills Interprovincial Park of SK and AB. The type locality is in the SK portion of the park.																	
420715	*blastovora* (McLeod, 1962) *(Eucordylea)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	--	--
420716	*canusella* (Freeman, 1957) *(Recurvaria)*	R	--	--	--	--	BC	AB	--	--	ON	QC	--	--	--	--	PE
420717	*carbonaria* (Freeman, 1965) *(Pulicalvaria)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
420721	*coniferella* (Kearfott, 1907) *(Recurvaria)*	R	--	--	--	--	U	--	--	--	ON	QC	--	--	--	U	--
	NOTE: The BC record by deWaard et al. (2009) is uncertain. No vouchers could be located to support the NS record by Lafontaine et al. (2001). This species cannot be separated with certainty from related *Coleotechnites* species.																	
420723	*ducharmei* (Freeman, 1962) *(Eucordylea)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
420727	*florae* (Freeman, 1960) *(Evagora)*	R	--	--	NT	--	BC	AB	SK	MB	ON	--	--	--	--	--	--
420729	*gibsonella* (Kearfott, 1907) *(Recurvaria)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	--	--	--	--	--
420730	*granti* (Freeman, 1965) *(Pulicalvaria)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
420731	*huntella* (Keifer, 1936) *(Eucordylea)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
420734	*laricis* (Freeman, 1965) *(Pulicalvaria)*	R	--	--	--	--	--	AB	P	MB	ON	QC	E	--	NB	--	--
	NOTE: Reported from LB in error by Pohl et al. (2005).																	
420735	*lewisi* (Freeman, 1960) *(Evagora)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
	NOTE: Known globally only from Cowley (AB), but this species probably occurs across the range of its host, Limber Pine (*Pinus flexilis* James). It is of concern to conservationists because of the serious threat of White Pine Blister Rust (*Cronartium ribicola* J. C. Fisch) to its host.																	
420737	*macleodi* (Freeman, 1965) *(Pulicalvaria)*	R	--	--	--	--	U	--	--	--	ON	QC	--	--	--	--	--
	NOTE: Uncertain BC record by Duncan (2006).																	
420738	*martini* (Freeman, 1965) *(Pulicalvaria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
420739E	*milleri* (Busck, 1914) *(Recurvaria)*	E	--	--	--	--	--	E	--	--	--	--	--	--	--	--	--
	NOTE: Historical records of this species in AB (for example Bowman 1951) refer to *C. starki*, described in 1957. True *C. milleri* is not known to occur in Canada.																	
420741E	*nigritus* (Hodges, 1983) *(Recurvaria)*	E	--	--	--	--	E	--	--	--	--	--	--	--	--	--	--
	NOTE: The BC record by Cannings & Scudder (2007) was based on a misidentified specimen in the CNC (Pohl et al. 2015b). *Coleotechnites nigritus* is not known to occur in Canada.																	
420742	*obliquistrigella* (Chambers, 1872) *(Anarsia)*	R	--	--	--	--	--	--	--	MB	ON	--	--	--	--	--	--
420743	*occidentis* (Freeman, 1965) *(Pulicalvaria)*	R	--	--	--	--	BC	P	--	--	--	--	--	--	--	--	--
420744	*piceaella* (Kearfott, 1903) *(Recurvaria)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
	niger (Kearfott, 1903) *(Recurvaria)*																	
	obscurella (Kearfott, 1903) *(Recurvaria)*																	
420745	*pinella* (Busck, 1906) *(Recurvaria)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
420747	*quercivorella* (Chambers, 1872) *(Gelechia)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	--	NS	--
	gilviscopella (Zeller, 1873) *(Gelechia)*																	
420748	*resinosae* (Freeman, 1960) *(Evagora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
420750	*starki* (Freeman, 1957) *(Recurvaria)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--
420751	*thujaella* (Kearfott, 1903) *(Recurvaria)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE

***Sinoe* Chambers, 1873**
tax info: Lee & Brown (2012)

420754	*robiniella* (Fitch, 1859) *(Anacampsis)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	fuscopalidella Chambers, 1873 *(Sinoe)*																	

fuscopallidella (Chambers, 1878) *(Gelechia)*
robiniaefoliella (Chambers, 1880) *(Gelechia)*

420755 *chambersi* Lee, 2012 *(Sinoe)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
NOTE: This taxon is probably conspecific with *Recurvaria vestigata* Meyrick (JFL *in litt.*).

Exoteleia Wallengren, 1881

420760 *dodecella* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- -- -- ON QC -- -- -- U --
NOTE: Material from NS in the AFC collection requires verification.
annulicornis (Stephens, 1834) *(Anacampsis)*
420761 *nepheos* Freeman, 1967 *(Exoteleia)* R -- -- -- -- -- -- -- -- ON P -- -- -- NS --
420762 *pinifoliella* (Chambers, 1880) *(Gelechia)* R -- -- -- -- BC -- -- -- ON QC -- NF -- -- --

Arogalea Walsingham, 1910

420765 *cristifasciella* (Chambers, 1878) *(Gelechia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
inscripta (Walsingham, 1882) *(Gelechia)*

Telphusa Chambers, 1872

420769 *longifasciella* (Clemens, 1863) *(Gelechia)* R -- -- -- -- BC -- -- MB ON QC -- -- NB -- --
curvistrigella (Chambers, 1872) *(Telephusa)*
lutraula (Meyrick, 1923) *(Gelechia)*
obliquifasciella (Chambers, 1879) *(Gelechia)*
420772 *sedulitella* (Busck, 1910) *(Gelechia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
agrifolia Braun, 1921 *(Telphusa)*

Pubitelphusa Lee & Brown, 2013
tax info: Lee & Brown (2013)

420773 *latifasciella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Neotelphusa Janse, 1958
Teleia Heinemann, 1870
Teleiodes Sattler, 1960

420775 *praefixa* (Braun, 1921) *(Telphusa)* R -- -- NT -- BC AB SK MB ON QC LB -- NB NS PE
420776 *querciella* (Chambers, 1872) *(Depressaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

Pseudotelphusa Janse, 1958

420784 *landryi* Lee, 2011 *(Pseudotelphusa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
420785 *ontariensis* Lee, 2011 *(Pseudotelphusa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
420786 *palliderosacella* (Chambers, 1878) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on specimens in the LFC collection.
420787 *quercinigracella* (Chambers, 1872) *(Gelechia)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
fragmentella (Zeller, 1873) *(Gelechia)*
quercinigraeella (Chambers, 1878) *(Gelechia)*

Xenolechia Meyrick, 1895

420788 *aethiops* (Humphreys & Westwood, 1845) *(Gelechia)*‡ R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
quinquecristatella (Chambers, 1878) *(Gelechia)*
420794 *ceanothiae* Priest, 2014 *(Xenolechia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: A specimen collected at Port Franks (ON) by KS matches the barcode of confirmed USA material, and is the first Canadian record. This taxon is probably conspecific with *Recurvaria taphiopis* Meyrick (JFL *in litt.*).
420791 *ontariensis* Keifer, 1933 *(Xenolechia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- NS --
420792 *querciphaga* Keifer, 1933 *(Xenolechia)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on a BOLD specimen, confirmed by S. Lee.
420793 *velatella* (Busck, 1907) *(Telphusa)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

Carpatolechia Căpuşe, 1964

420795 *belangerella* (Chambers, 1875) *(Gelechia)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Reports of *Carpatolechia proximella* in NA by several authors are based on misidentified material that has been corrected to *C. belangerella*.
oronella (Walsingham, 1882) *(Gelechia)*
proximella of authors (not Hübner, 1796) *(Tinea)*

420796 *fugitivella* (Zeller, 1839) *(Gelechia)*+ R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --
vovkella (Piskunov, 1973) *(Klaussattleria)*

420797 *notatella* (Hübner, [1813]) *(Tinea)*ǂ R -- YT -- -- BC AB -- -- -- QC -- -- -- -- --

Altenia Sattler, 1960

420798 *perspersella* (Wocke, 1862) *(Gelechia)** R -- YT -- -- -- -- -- MB -- -- -- -- -- -- --
empetrella (Karvonen, 1932) *(Teleia)*

tribe Gelechiini Stainton, 1854

Trypanisma Clemens, 1860

420800 *prudens* Clemens, 1860 *(Trypanisma)* R -- -- -- -- -- -- -- MB ON -- -- -- -- NS --
NOTE: New for Canada, based on several BOLD records, confirmed by JFL.
fagella Busck, 1903 *(Trypanisma)*
quinqueannulella (Chambers, 1872) *(Gelechia)*
quinqueanuella (Chambers, 1878) *(Gelechia)*

Pseudochelaria Dietz, 1900

420803 *pennsylvanica* Dietz, 1900 *(Pseudochelaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on material in the CNC (ON), and several BOLD records (QC).

420805 *walsinghami* Dietz, 1900 *(Pseudochelaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

Athrips Billberg, 1820

420806 *mouffetella* (Linnaeus, 1758) *(Phalaena)*ǂ R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
pedisequella (Hübner, 1796) *(Tinea)*
punctifera (Haworth, 1828) *(Recurvaria)*

420807 *pruinosella* (Lienig & Zeller, 1846) *(Gelechia)*ǂ R -- -- -- -- -- -- -- MB -- QC -- -- -- -- --

420808 *rancidella* (Herrich-Schäffer, 1854) *(Gelechia)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
cerasivorella (Kuznetzov, 1960) *(Epithectis)*
cotoneastri (Busck, 1934) *(Cremona)*
superfetella (Peyerimhoff, 1877) *(Gelechia)*
triatomaea (Mühlig, 1864) *(Gelechia)*
vepretella (Zeller, 1871) *(Gelechia)*

Prolita Leraut, 1993
tax info: Hodges (1966b)
Lita Treitschke, 1833

420809 *sexpunctella* (Fabricius, 1794) *(Tinea)** R AK YT NT P BC AB SK MB ON QC LB NF NB NS P
alpicola (Frey, 1867) *(Gelechia)*
alternatella (Kearfott, 1908) *(Gelechia)*
longicornella (Doubleday, 1859) *(Gelechia)*
longicornis (Curtis, 1827) *(Gelechia)*
petulans (Braun, 1925) *(Gelechia)*
virgella (Thunberg, 1794) *(Tinea)*

420810 *variabilis* (Busck, 1903) *(Gelechia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

420811 *barnesiella* (Busck, 1903) *(Gelechia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

420821 *rectistrigella* (Barnes & Busck, 1920) *(Gelechia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

420825	*recens* (Hodges, 1966) *(Lita)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
420826	*princeps* (Busck, 1910) *(Gnorimoschema)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--

***Rifseria* Hodges, 1966**
tax info: Hodges (1966b)

420844	*fuscotaeniaella* (Chambers, 1878) *(Gelechia)*	R	--	--	--	--	BC	AB	--	MB	--	--	--	--	--	--	--

***Gelechia* Hübner, 1825**

420848	*albisparsella* (Chambers, 1872) *(Depressaria)* *fuscoluteella* (Chambers, 1872) *(Depressaria)* *platanella* (Chambers, 1872) *(Cirrha)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
420859	*dromicella* Busck, 1910 *(Gelechia)*	R	--	--	--	--	BC	P	SK	--	--	--	--	--	--	--	--
420860	*dyariella* Busck, 1903 *(Gelechia)*	R	--	--	--	--	--	AB	SK	MB	ON	P	--	--	--	--	--
420863	*griseaella* (Chambers, 1872) *(Parasia)* *grisaeella* Hodges, 1983 *(Gelechia)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
420867	*lynceella* Zeller, 1873 *(Gelechia)* *trilineella* Chambers, 1877 *(Gelechia)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	--	--
420869	*mandella* Busck, 1904 *(Gelechia)*	R	--	--	--	--	BC	AB	--	--	--	QC	--	--	--	--	--
420871	*monella* Busck, 1904 *(Gelechia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
420878	*panella* Busck, 1903 *(Gelechia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
420879	*ribesella* Chambers, 1875 *(Gelechia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
420881	*sabinellus* (Zeller, 1839) *(Ypsolophus)*‡ *corsella* (Rebel, 1930) *(Nothris)* *hoffmanniella* (Strand, 1902) *(Nothris)* *kalevalella* (Kanerva, 1936) *(Nothris)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	NB	--	--
420885	*versutella* Zeller, 1873 *(Gelechia)*	R	--	--	--	--	BC	AB	--	--	ON	QC	--	--	--	--	--

***Chionodes* Hübner, 1825**
tax info: Hodges (1999)

formosella complex Hodges, 1999

420887	*formosella* (Murtfeldt, 1881) *(Gelechia)* *vernella* (Murtfeldt, 1883) *(Gelechia)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	NS	--
420889	*fuscomaculella* (Chambers, 1872) *(Gelechia)* *caryaevorella* (Packard, 1886) *(Gelechia)* *maculimarginella* (Chambers, 1874) *(Gelechia)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	NS	--
420890	*bicostomaculella* (Chambers, 1872) *(Depressaria)* *quercifoliella* (Chambers, 1872) *(Adrasteia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
420891	*iridescens* Clarke, 1947 *(Chionodes)*	R	--	YT	NT	--	--	AB	SK	MB	--	--	--	--	--	NS	--
420892	*argentipunctella* (Ely, 1910) *(Gelechia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
420893	*hapsus* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
420894	*abitus* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	BC	P	SK	--	ON	QC	--	--	--	--	--

gilvomaculella complex Hodges, 1999

420897	*gilvomaculella* (Clemens, 1863) *(Gelechia)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	NS	--
420898	*rabula* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--

NOTE: New for Canada, based on a specimen collected at Point Pelee (ON), identified via DNA barcode and confirmed by JFL.

franclemonti complex Hodges, 1999

420904	*franclemonti* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--

NOTE: New for Canada, based on a series of specimens from Port Franks (ON), collected by KS.

420905	*tarmes* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--

abella complex Hodges, 1999

420912 *imber* Hodges, 1999 *(Chionodes)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
420920 *abella* (Busck, 1903) *(Gelechia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
420921 *sabinianae* Powell, 1959 *(Chionodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
420922 *periculella* (Busck, 1910) *(Gelechia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

sistrella complex Hodges, 1999

420932 *kincaidella* (Busck, 1907) *(Gelechia)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
acanthocarpae Clarke, 1947 *(Chionodes)*
chloroschema (Meyrick, 1923) *(Gelechia)*
coticola (Busck, 1913) *(Gelechia)*
laguna (Busck, 1912) *(Gelechia)*
notochlora (Meyrick, 1929) *(Gelechia)*
420938 *pinguicula* (Meyrick, 1929) *(Gelechia)* R -- -- -- -- -- -- SK -- -- -- -- -- -- -- --
NOTE: A SK specimen in the RSM was determined by JFL; this species is otherwise known in southern USA only as far north as CO (Hodges 1999).
420943 *sistrella* (Busck, 1903) *(Gelechia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: We list this species from AB following the record by Hodges (1999). However, there is significant variation within this putative species and that determination may be revised. The *sistrella* complex is problematic and requires further taxonomic work.
420945 *landryi* Hodges, 1999 *(Chionodes)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
420948 *fructuaria* (Braun, 1925) *(Gelechia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

dammersi complex Hodges, 1999

420957 *ochreostrigella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

thoraceochrella complex Hodges, 1999

420959 *thoraceochrella* (Chambers, 1872) *(Gelechia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
nigrimaculella (Busck, 1903) *(Gelechia)*
thoracochrella Meyrick, 1925 *(Chionodes)*
420961 *salicella* Sattler, 1967 *(Chionodes)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --

obscurusella complex Hodges, 1999

420964 *obscurusella* (Chambers, 1872) *(Gelechia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
asema Clarke, 1947 *(Chionodes)*
fuscopulvella (Chambers, 1872) *(Gelechia)*
negundella (Heinrich, 1920) *(Gelechia)*
obscurella (Walsingham, 1903) *(Gelechia)*
420965 *acerella* Sattler, 1967 *(Chionodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
420966 *metoecus* Hodges, 1999 *(Chionodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

occidentella complex Hodges, 1999

420967 *occidentella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
vanduzeei (Keifer, 1935) *(Gelechia)*
420969 *soter* Hodges, 1999 *(Chionodes)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
420971 *mediofuscella* (Clemens, 1863) *(Gelechia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
fuscoochrella (Chambers, 1872) *(Depressaria)*
liturosella (Zeller, 1873) *(Gelechia)*
rhedaria (Meyrick, 1923) *(Gelechia)*
vagella (Walker, 1864) *(Gelechia)*

terminimaculella complex Hodges, 1999

420972 *terminimaculella* (Kearfott, 1908) *(Gelechia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB P --

trichostola complex Hodges, 1999

420974 *trichostola* (Meyrick, 1923) *(Gelechia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

baro complex Hodges, 1999

420982 *baro* Hodges, 1999 *(Chionodes)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

trophella complex Hodges, 1999

420984E *trophella* (Busck, 1903) *(Gelechia)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The BC record by Blackmore (1924) is deemed erroneous; this is almost certainly a misdetermination of *C. restio*, not described at the time. True *C. trophella* is a Great Basin species not known to occur northwest of UT (Hodges 1999).

420985 *restio* Hodges, 1999 *(Chionodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

pinax complex Hodges, 1999

420986 *pinax* Hodges, 1999 *(Chionodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

adamas complex Hodges, 1999

420987 *adamas* Hodges, 1999 *(Chionodes)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

innox complex Hodges, 1999

420994 *innox* Hodges, 1999 *(Chionodes)* R -- -- -- -- -- AB U MB -- -- -- -- -- -- --
NOTE: SK material in the RSM has not been verified.

fondella complex Hodges, 1999

420996 *fondella* (Busck, 1906) *(Gelechia)* R -- -- -- -- -- AB SK MB ON QC -- -- -- NS --
420997 *pseudofondella* (Busck, 1908) *(Gelechia)* R -- -- -- -- BC -- -- -- ON P -- -- -- -- --

pereyra complex Hodges, 1999

420999 *pereyra* Clarke, 1947 *(Chionodes)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material from Port Franks (ON), collected by KS.

421000 *petalumensis* Clarke, 1947 *(Chionodes)* R -- -- -- -- BC -- SK -- -- -- -- -- -- -- --

discoocellella group Hodges, 1999

421006 *discoocellella* (Chambers, 1872) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
discoocella (Chambers, 1878) *(Gelechia)*
violaceofusca (Zeller, 1873) *(Gelechia)*

lugubrella complex Hodges, 1999

421009 *lugubrella* (Fabricius, 1794) *(Gelechia)** R AK YT NT -- BC AB SK MB ON QC LB U P NS P
NOTE: The only confirmed records of this species in Atlantic Canada are from NS, but it probably occurs across the region.

421011 *ceanothiella* (Busck, 1904) *(Gelechia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
marinensis (Keifer, 1935) *(Gelechia)*

hibiscella complex Hodges, 1999

421015 *chlorocephala* (Meyrick, 1932) *(Gelechia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

retiniella complex Hodges, 1999

421018 *retiniella* (Barnes & Busck, 1920) *(Gelechia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
langei (Keifer, 1936) *(Gelechia)*

tragicella complex Hodges, 1999

421021	*arenella* (Forbes, 1922) *(Gelechia)*	R	--	--	--	--	--	--	--	--	--	P	--	--	NB	NS	PE
421024	*grandis* Clarke, 1947 *(Chionodes)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--
421028	*dolo* Hodges, 1999 *(Chionodes)*	R	AK	YT	--	--	BC	--	--	--	--	--	--	--	--	--	--

holocerisella complex Hodges, 1999

421030	*praeclarella* (Herrich-Schäffer, 1854) *(Gelechia)**	R	--	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	--	NB	NS	E
	NOTE: The PE record by Lafontaine et al. (2001) is a database error.																
	fluvialella (Busck, 1908) *(Gelechia)*																
	labradorica (Möschler, 1864) *(Gelechia)*																
	pergrandella (Rebel, 1917) *(Gelechia)*																
421031	*psiloptera* (Barnes & Busck, 1920) *(Gelechia)*	R	AK	YT	P	NU	BC	AB	SK	MB	ON	QC	--	--	NB	P	PE
	abradescens (Braun, 1921) *(Gelechia)*																
421033	*agriodes* (Meyrick, 1927) *(Gelechia)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
	seculaella (Clarke, 1932) *(Gelechia)*																
421037	*fimus* Hodges, 1999 *(Chionodes)*	R	AK	--	NT	--	--	--	--	--	--	--	--	--	--	--	--
421039	*whitmanella* Clarke, 1942 *(Chionodes)*	R	--	--	--	--	--	AB	P	MB	--	--	--	--	--	--	--
421045	*mikkolai* Hodges, 1999 *(Chionodes)*	R	--	YT	--	--	--	--	--	--	--	--	--	--	--	--	--
421046	*praeco* Hodges, 1999 *(Chionodes)*	R	AK	--	--	--	--	AB	P	MB	ON	QC	--	--	NB	NS	--
421047	*molitor* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	--	AB	SK	--	--	P	--	--	--	--	--
	NOTE: New for Canada, based on BOLD material.																
421048	*occlusa* (Braun, 1925) *(Gelechia)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
421049	*boreas* Hodges, 1999 *(Chionodes)*	R	--	YT	--	--	BC	AB	U	--	--	--	--	--	--	--	--
	NOTE: The identity of SK material in the RSM has not been confirmed. Hodges (1999) considered this to be a strictly western species.																
421050	*trico* Hodges, 1999 *(Chionodes)*	R	--	YT	--	--	--	AB	--	--	--	--	--	--	--	--	--
421051	*veles* Hodges, 1999 *(Chionodes)*	R	--	YT	--	--	P	P	--	--	U	--	--	--	--	--	--
	NOTE: This species is known from Whitehorse (YT) and from mountains in MT; it probably occurs in BC and AB in the Rocky Mountains. A specimen from ON in the CNC was specifically excluded from the type series by Hodges (1999) and may be misidentified.																

theurgis complex Hodges, 1999

421052	*theurgis* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	--	AB	--	MB	--	QC	--	--	--	--	--

distinctella complex Hodges, 1999

421055	*viduella* (Fabricius, 1794) *(Gelechia)**	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--
	labradoriella (Clemens, 1863) *(Gelechia)*																
	leucomella (Quensel, 1802) *(Tinea)*																
	luctiferella (Herrich-Schäffer, 1856) *(Gelechia)*																
421056	*ensis* Hodges, 1999 *(Chionodes)*	R	--	--	NT	--	P	AB	--	--	--	--	--	--	--	--	--
421057	*continuella* (Zeller, 1839) *(Gelechia)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	P	NS	--
	albomaculella (Chambers, 1875) *(Gelechia)*																
	brumella (Clemens, 1864) *(Gelechia)*																
	trimaculella (Packard, 1867) *(Gelechia)*																
421058	*sattleri* Hodges, 1999 *(Chionodes)*	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	--	NB	NS	--
421059	*offectus* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	--	AB	--	MB	--	--	--	--	--	--	--
421060	*fictor* Hodges, 1999 *(Chionodes)*	R	AK	--	NT	NU	BC	--	--	--	--	--	--	--	--	--	--
421061	*metallica* (Braun, 1921) *(Gelechia)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
421064	*histon* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
421065	*lictor* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
421066	*praecia* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
421067	*nigrobarbata* (Braun, 1925) *(Gelechia)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--
421068	*praetor* Hodges, 1999 *(Chionodes)*	R	--	--	--	--	BC	--	--	MB	--	--	--	--	--	--	--

braunella complex Hodges, 1999

421070	*braunella* (Keifer, 1931) *(Gelechia)*	R	--	--	--	--	BC	AB	--	--	ON	P	--	--	--	--	--
	arborei (Keifer, 1931) *(Gelechia)*																

loetae Clarke, 1942 *(Chionodes)*

fumatella complex Hodges, 1999

421072 *permacta* (Braun, 1925) *(Gelechia)* R AK YT -- -- BC AB -- -- -- -- -- -- -- --
421074 *flavicorporella* (Walsingham, 1882) *(Gelechia)* R -- YT -- -- -- AB -- MB ON U -- -- -- -- PE
NOTE: The QC record in the BOLD database was not identified with certainty.
421075 *fumatella* (Douglas, 1850) *(Gelechia)** R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
NOTE: New for Canada, based on BOLD material, confirmed by JJD, JFL, and VN.

Filatima Busck, 1939

421076 *abactella* (Clarke, 1932) *(Gelechia)* R -- YT NT -- BC AB SK MB ON QC -- -- NB NS --
421078 *albicostella* Clarke, 1942 *(Filatima)* R -- YT -- -- BC AB -- -- -- -- -- -- -- --
angustipennis Sattler, 1961 *(Filatima)*
421082 *aulaea* (Clarke, 1932) *(Gelechia)* R -- -- -- -- BC -- SK -- -- -- -- -- -- -- --
421083 *betulae* Clarke, 1947 *(Filatima)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
421091 *demissae* (Keifer, 1931) *(Gelechia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
dimissae Hodges, 1983 *(Filatima)*
421093 *epulatrix* Hodges, 1969 *(Filatima)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --
421100 *inquilinella* (Busck, 1910) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
421107 *normifera* (Meyrick, 1927) *(Gelechia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
421110 *obscuroocelella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- -- AB -- MB -- -- -- -- -- -- --
NOTE: New for Canada, based on BOLD material (AB) and a series of specimens in the CNC (MB).
obscuroocellella (Hodges, 1983) *(Gelechia)*
421114E *ornatifimbriella* (Clemens, 1864) *(Gelechia)* E -- -- -- -- -- E E E -- E -- -- -- -- --
NOTE: Reports of this species on historical Canadian lists refer to *F. xanthuris*. *Filatima ornatifimbriella* was not reported north of CO and NE by Hodges & Adamski (1997). These species have long been confused in collections.
421116 *persicaeella* (Murtfeldt, 1899) *(Gelechia)* R -- -- -- -- -- -- -- -- ON P -- -- -- NS --
confusella (Chambers, 1875) *(Gelechia)*
421121 *pseudacaciella* (Chambers, 1872) *(Depressaria)* R -- -- -- -- -- -- -- U ON QC -- -- -- -- --
NOTE: Voucher material from Cartwright (MB) in the RSM has not been verified.
caecella (Zeller, 1873) *(Gelechia)*
pseudoacaciella Busck, 1903 *(Filatima)*
421125 *serotinella* (Busck, 1903) *(Gelechia)* R -- -- -- -- -- U U -- ON QC -- -- -- -- --
NOTE: Voucher material in the UASM and RSM, from AB and SK respectively, has not been verified.
421129 *striatella* (Busck, 1903) *(Gelechia)* R -- -- -- -- -- AB -- MB -- -- -- -- -- -- --
rivulata (Meyrick, 1927) *(Gelechia)*
421132 *vaccinii* Clarke, 1947 *(Filatima)* R -- -- -- -- BC AB SK MB -- QC -- -- -- -- --
421134 *xanthuris* (Meyrick, 1927) *(Gelechia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

Aroga Busck, 1914

421137 *argutiola* Hodges, 1974 *(Aroga)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS PE
421143 *epigaeella* (Chambers, 1881) *(Gelechia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
421147E *paraplutella* (Busck, 1910) *(Gelechia)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Report of this species from BC by Cannings & Scudder (2007) was based on misidentified material. True *A. paraplutella* does not occur in Canada.
421151 *trialbamaculella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- -- AB -- MB ON QC -- -- NB NS PE
421153 *unifasciella* (Busck, 1903) *(Gelechia)* U -- -- -- -- -- U -- -- -- -- -- -- -- -- --
NOTE: The range of this species was ambiguously reported to include AB in Powell & Opler (2009). The range is reported from "AB to western TX and CA" but then two sentences later they also state that it "occurs from Glacier National Park, MT, to western NM and … CA". Pending clarification of its true range, we include this species as "unconfirmed" for AB.
421154 *websteri* Clarke, 1942 *(Aroga)* R -- -- -- -- BC -- SK -- -- -- -- -- -- -- --

Fascista Busck, 1939

421157 *cercerisella* (Chambers, 1872) *(Depressaria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a single specimen from Point Pelee (ON), confirmed by JFL.
cercerella (Meyrick, 1925) *(Gelechia)*
olympiadella (Zeller, 1873) *(Gelechia)*

Sophronia Hübner, 1825

421164 *gelidella* Nordmann, 1941 *(Sophronia)** R -- YT -- -- -- -- -- -- -- -- -- -- -- --
421165 *primella* Busck, 1907 *(Sophronia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Lethbridge (AB) by G.S. Walley, determined by R.W. Hodges.

Stegasta Meyrick, 1904

421168 *bosqueella* (Chambers, 1875) *(Oecophora)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen in the CNC.
basquella (Busck, 1903) *(Gelechia)*
bosquella (Riley, 1891) *(Gelechia)*
costipunctella (Möschler, 1890) *(Gelechia)*

tribe Gnorimoschemini Povolný, 1964

Gnorimoschema Busck, 1900
Neoschema Povolný, 1967

421172 *alaskense* Povolný, 1967 *(Gnorimoschema)* R AK YT -- -- BC AB SK MB ON -- -- -- -- -- --
421173 *albangulatum* Braun, 1926 *(Gnorimoschema)* R -- -- -- -- BC AB -- MB -- -- -- -- -- -- --
421175 *albimarginella* (Chambers, 1875) (*Gelechia)* R -- -- -- -- BC -- -- MB -- -- -- -- -- -- --
NOTE: New for Canada, confirmed recently by VN.
421178 *assimile* Povolný, 2003 *(Gnorimoschema)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
421179 *aterrimum* Povolný & Powell, 2001 *(Gnorimoschema)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: New for Canada, confirmed recently by VN.
421181 *baccharisellоides* Povolný & Powell, 2001 *(Gnorimoschema)*
R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
421182 *banksiella* Busck, 1903 *(Gnorimoschema)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This species may be conspecific with *G. pedmontella*.
421183 *batanella* Busck, 1903 *(Gnorimoschema)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
421184 *brachiatum* Povolný, 1998 *(Gnorimoschema)* R -- YT -- -- BC P SK -- -- -- -- -- -- --
421186 *busckiella* Kearfott, 1903 *(Gnorimoschema)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on a specimen from Rivière des Prairies (QC), confirmed recently by VN.
421187 *clavatum* Povolný, 1998 *(Gnorimoschema)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
421189 *compsomorpha* Meyrick, 1929 *(Gnorimoschema)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
NOTE: Canadian records under this name are actually an undescribed species of *Gnorimoschema*, but they are retained here pending description of the new species.
421190 *contrarium* Braun, 1921 *(Gnorimoschema)* R AK -- -- -- BC AB -- MB -- -- -- -- -- -- --
421195 *dudiella* Busck, 1903 *(Gnorimoschema)* R -- -- -- -- BC AB P MB -- -- -- -- -- -- --
421202 *foliatum* Povolný, 2003 *(Gnorimoschema)* R -- -- -- -- BC AB -- -- ON -- -- -- -- -- --
421203 *gallaeasterella* (Kellicott, 1878) *(Gelechia)* R -- -- -- -- BC AB SK MB ON QC -- U U NS --
NOTE: Records from NF and NB have not been verified.
ceasiella (Brodie, 1909) *(Paedisca)*
gallaeasteris Meyrick, 1925 *(Gnorimoschema)*
gallaediplopappi (Fyles, 1890) *(Gelechia)*
421204 *gallaesolidaginis* (Riley, 1869) *(Gelechia)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --
421205 *gallaespeciosum* Miller, 2000 *(Gnorimoschema)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
421208 *gibsoniella* Busck, 1915 *(Gnorimoschema)* R -- -- -- -- -- AB -- MB ON QC -- -- NB -- --
421211 *grisella* (Chambers, 1872) *(Gelechia)* U -- -- -- -- -- -- -- U -- -- -- -- -- -- --
NOTE: Reported from MB by Kearfott (1905b). A voucher in the UMB Heath collection requires verification but no type specimens for *G. grisella* are known to compare it to.
aurimaculella (Chambers, 1872) *(Gelechia)*
discomaculella (Chambers, 1872) *(Gelechia)*
421212 *herbichii* (Nowicki, 1864) *(Gelechia)** R AK YT -- -- BC AB -- MB ON QC -- -- -- -- --
parenthesella (Toll, 1936) *(Lita)*
soffneri (Riedl, 1965) *(Lerupsia)*
421215 *intermedium* Povolný, 2003 *(Gnorimoschema)* R -- YT -- -- -- AB SK -- -- -- -- -- -- -- --
421217 *jalavai* Povolný, 1994 *(Gnorimoschema)** R -- YT -- -- -- -- -- -- -- -- -- -- -- -- --
421218 *jocelynae* Miller, 2000 *(Gnorimoschema)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --
421220 *lateritium* Povolný, 2003 *(Gnorimoschema)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

421221 *ligulatum* Povolný, 1998 *(Gnorimoschema)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --

421223 *lobatum* Povolný, 1998 *(Gnorimoschema)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: This taxon may be conspecific with *G. clavatum*.

421224E *marmorella* (Chambers, 1875) *(Gelechia)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Handfield et al. (1997) is erroneous, based on a misidentification. This taxon is misplaced in *Gnorimoschema*; it is based on a female holotype that is not a *Gnorimoschemine*.

421227 *nanulum* Povolný, 1998 *(Gnorimoschema)* R -- YT -- -- BC AB -- -- ON QC -- -- -- NS --

421229 *navajorum* Povolný, 2003 *(Gnorimoschema)* R -- YT -- -- -- AB SK -- -- -- -- -- -- -- --

421228 *nordlandicolella* Strand, 1902 *(Gnorimoschema)** R -- YT -- NU -- -- -- MB -- QC -- -- -- -- --
cyceonodes Meyrick, 1924 *(Gnorimoschema)*
eucausta Meyrick, 1929 *(Gnorimoschema)*
fennicella Hackman, 1946 *(Gnorimoschema)*

421230 *obscurior* Povolný, 1998 *(Gnorimoschema)* R -- YT -- -- -- AB SK -- -- -- -- -- -- -- --

421231 *octomaculella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --

421232 *ovinum* Povolný, 2003 *(Gnorimoschema)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Cypress Hills Provincial Park (AB), collected by ADM, GRP, and J. Machney, and confirmed by VN.

421234 *pedmontella* (Chambers, 1877) *(Gelechia)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.

421237 *petiolatum* Povolný, 1998 *(Gnorimoschema)* R -- -- -- -- -- P SK -- -- -- -- -- -- -- --
NOTE: This taxon may be conspecific with *G. clavatum*.

421240 *reichli* Povolný, 1998 *(Gnorimoschema)* R -- YT -- -- BC AB -- -- -- -- -- -- -- --

421241 *rotundatum* Povolný, 1998 *(Gnorimoschema)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --

421242 *salinaris* Busck, 1911 *(Gnorimoschema)* R -- -- -- -- -- AB SK -- ON -- -- -- -- -- --

421243 *saphirinella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- -- AB -- MB -- -- -- -- -- -- --

421244 *segregatum* Povolný, 1998 *(Gnorimoschema)* R -- -- -- -- -- P SK -- -- -- -- -- -- -- --
NOTE: This taxon may be conspecific with *G. spinosum*.

421245 *semicyclionella* Busck, 1903 *(Gnorimoschema)* R -- -- -- -- -- AB SK -- ON -- -- -- -- -- --
NOTE: New for Canada, based on several BOLD records, confirmed by VN.

421246 *septentrionella* Fyles, 1911 *(Gnorimoschema)* R -- -- -- -- BC AB SK -- ON QC -- -- NB -- --

421248 *shepherdiae* Priest, 2014 *(Gnorimoschema)* R -- YT P -- BC AB P MB ON QC -- -- -- -- --

421249 *signatum* Povolný, 2003 *(Gnorimoschema)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

421251 *slabaughi* Miller, 2000 *(Gnorimoschema)* R -- -- -- -- -- -- SK -- -- -- -- -- -- -- --

421252 *spinosum* Povolný, 1998 *(Gnorimoschema)* R -- -- -- -- -- P SK -- -- -- -- -- -- -- --

421256 *subterraneum* Busck, 1911 *(Gnorimoschema)* R -- -- -- -- BC AB -- -- ON -- -- -- -- -- --

421260 *triforceps* Povolný, 2003 *(Gnorimoschema)* R -- -- -- -- -- U -- MB -- -- -- -- -- -- --
NOTE: New for Canada, confirmed by VN. An AB specimen matches the DNA barcode of the dissected MB specimen, but has not been confirmed via dissection.

421262 *triocellella* (Chambers, 1877) *(Gelechia)* R -- U -- -- BC U U -- -- -- -- -- -- -- --
NOTE: Most historical reports of this species in western Canada are uncertain, although two BC specimens have been confirmed via dissection by VN. This is a problematic species; taxonomic work is required including a lectotype designation to establish primacy of one of the conflicting "type" specimens in existence.

421263 *tunicatum* Povolný, 1998 *(Gnorimoschema)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

421264E *valesiella* (Staudinger, 1877) *(Lita)** E E E -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: The AK and YT records by Povolný (1998) refer to *G. alaskense*, raised from synonymy by Huemer & Karsholt (2010).
charcoti (Meyrick, 1934) *(Phthorimaea)*

421265 *vastificum* Braun, 1929 *(Gnorimoschema)* R AK YT NT NU -- AB SK MB -- QC -- -- -- -- --

421267 *vibei* (Wolff, 1964) *(Phthorimaea)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

Phthorimaea **Meyrick, 1902**

421272 *operculella* (Zeller, 1873) *(Gelechia)*+ R -- -- -- -- BC -- -- MB ON H -- -- -- -- --
epicentra (Meyrick, 1909) *(Gelechia)*
sedata (Butler, 1880) *(Gelechia)*
solanella (Boisduval, 1874) *(Bryotropha)*
tabacella (Ragonot, 1879) *(Gelechia)*
terrella (Walker, 1864) *(Gelechia)*

Scrobipalpuloides **Povolný, 1987**
Tuta Kieffer & Jörgensen, 1910

421275 *elaborata* (Povolný, 2000) *(Tuta)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: New for Canada, based on series of specimens in the BOLD database.

421276E *insularis* (Povolný, 2001) *(Tuta)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The AB record by Nazari & Landry (2012) is erroneous, based on material that has been redetermined as *T. elaborata*.

Scrobipalpula Povolný, 1964

421281P *artemisiella* (Kearfott, 1903) *(Gnorimoschema)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species was listed as probable for QC by Handfield et al. (1997); it is known from adjacent ME.
axenopis (Meyrick, 1919) *(Phthorimaea)*
421284 *lutescella* (Clarke, 1934) *(Gnorimoschema)* R -- YT P -- BC AB P MB ON -- -- -- -- -- --
421286 *manierreorum* Priest, 2014 *(Scrobipalpula)* R -- -- -- -- BC AB P MB ON QC -- -- -- -- --
421288 *physaliella* (Chambers, 1872) *(Gelechia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a series of specimens in the BOLD database, confirmed by VN.

421291X *psilella* complex [unknown author, date] R AK YT -- -- BC AB SK MB ON QC -- -- -- -- --
NOTE: This complex includes *S. psilella*, *S. antiochia*, *S. gutierreziae* Povolný & Powell, and *S. henshawiella*, as well as one or more undescribed species. Their status as separate species is unresolved. All of these species except *S. gutierreziae* have been reported from Canada; their records are combined herein.
(421291) *psilella* (Herrich-Schäffer, 1853) *(Gelechia)** (R) -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
(421292) *antiochia* Povolný & Powell, 2001 *(Scrobipalpula)* (R) -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
(421294) *henshawiella* (Busck, 1903) *(Gnorimoschema)* (R) -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
ochreostrigella (Chambers, 1877) *(Gelechia)*

421295 *radiatella* (Busck, 1904) *(Gnorimoschema)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
421296 *sacculicola* (Braun, 1925) *(Phthorimaea)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on BOLD specimens, confirmed by JFL and VN.

Scrobipalpa Janse, 1951

421298 *acuminatella* (Sircon, 1850) *(Gelechia)*ǂ R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
421300 *artemisiella* (Treitschke, 1833) *(Lita)** R -- YT -- -- -- AB SK -- -- -- -- -- -- -- --
NOTE: Records of this species in NA actually represent one or more undescribed *Scrobipalpa* species near *S. artemisiella*. True *S. artemisiella* does not occur in NA, but the records are retained here pending taxonomic work on the group.
421302 *atriplicella* (von Röslerstamm, 1839) *(Lita)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Considerable genetic diversity has been revealed within this "species" by DNA barcoding; it may contain more than one biological species, but all Canadian records are retained here pending taxonomic work.
chenopodiella (Busck, 1916) *(Gnorimoschema)*
421304E *instabilella* (Douglas, 1846) *(Anacampsis)* E -- E -- -- -- -- E -- -- -- -- -- -- -- --
NOTE: Records of this species in NA by Povolný (1998) are erroneous.
421305 *macromaculata* (Braun, 1925) *(Gnorimoschema)* R -- -- -- -- BC AB SK MB P QC -- -- -- NS PE
421307E *obsoletella* (von Röslerstamm, 1841) *(Lita)*+ E -- -- -- -- -- E -- E -- -- -- -- -- -- --
NOTE: The AB record by Bowman (1951) and Pohl et al. (2010) was based on a single specimen from Edmonton in the UASM. That specimen was redetermined as *Gnorimoschema septentrionella* by Nazari & Landry (2012). The MB record is based on a single specimen that is of doubtful identity and is hereby deemed erroneous as well.
miscitatella (Clarke, 1932) *(Gnorimoschema)*

Agonochaetia Povolný, 1965
tax info: Landry et al. (2017)

421310 *conspersa* (Braun, 1921) *(Gelechia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
421310.1 *shawinigan* Landry, 2017 *(Agonochaetia)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

Caryocolum Gregor & Povolný, 1954
tax info: Huemer (1988)

marmorea group Huemer, 1988

421332 *marmorea* (Haworth, 1828) *(Recurvaria)*ǂ R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
manniella (Zeller, 1839) *(Gelechia)*
marmorella (Doubleday, 1859) *(Gelechia)*
421333 *pullatella* (Tengström, 1848) *(Phthorimaea)** R -- -- -- -- BC AB -- MB ON QC -- NF P NS PE
agricolaris (Meyrick, 1933) *(Gelechia)*
subtractella (Walker, 1864) *(Gelechia)*

interalbicella group Huemer, 1988

421335 *nearcticum* Huemer, 1988 *(Caryocolum)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
421336 *proxima* (Haworth, 1828) *(Recurvaria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

cassella group Huemer, 1988

421337 *cassella* (Walker, 1864) *(Gelechia)* R -- YT -- -- BC AB SK MB -- QC -- -- -- NS --
albifasciella (Toll, 1936) *(Lita)*
falellum Piskunov, 1975 *(Caryocolum)*
melanotephrella (Erschoff, 1877) *(Gelechia)*
subvicinella (Hackman, 1946) *(Phthorimaea)*

***Scrobipalpopsis* Povolný, 1967**

421338 *arnicella* (Clarke, 1942) *(Gnorimoschema)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
421339 *interposita* Povolný & Powell, 2001 *(Scrobipalpopsis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
421341 *petrella* (Busck, 1915) *(Gnorimoschema)* R -- -- -- -- BC U -- -- ON QC -- -- NB -- --
NOTE: Reports of this species from AB are uncertain (Nazari & Landry 2012).
421342 *tetradymiella* (Busck, 1903) *(Gnorimoschema)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Keiferia* Busck, 1939**
Tildenia Povolný, 1967

421346 *georgei* (Hodges, 1985) *(Tildenia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a single specimen collected at Mer Bleue (ON) by JFL, and confirmed via DNA barcode.
421347 *glochinella* (Zeller, 1873) *(Gelechia)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on series of specimens in the CNC.
peniculo Heinrich, 1946 *(Keiferia)*
421349E *lycopersicella* (Walsingham, 1897) *(Eucatoptus)*+ IC -- -- -- -- -- -- -- -- IC -- -- -- -- -- --
NOTE: Records of this species from ON were lab reared from larvae found on tomatoes (*Solanum lycopersicum* L.) imported from Mexico.
lenta (Meyrick, 1917) *(Phthorimaea)*
lycopersicella (Busck, 1928) *(Phthorimaea)*

***Frumenta* Busck, 1939**

421352 *nundinella* (Zeller, 1873) *(Gelechia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on two specimens in the CNC.
beneficentella (Murtfeldt, 1881) *(Gelechia)*

37. Family ELACHISTIDAE Bruand, 1850 (grass moths)

by G.R. Pohl and J.-F. Landry

Elachistids are extremely small to very small, narrow-winged moths, with wingspans of about six to 15 mm. The group is united by abdominal and pupal features. The wings are narrow; the hind wings are often broadly fringed, and the head is usually smooth scaled. Larvae of Elachistinae are leafminers, mostly of monocots such as grasses, sedges, and rushes. Larvae of Agonoxeninae are borers or miners on a variety of plant families.

Several groups that had historically been included within the group (Stenomatinae, Ethmiinae, Depressariinae) have been moved recently to the Depressariidae. Elachistids are distributed worldwide, with about 830 described species. There are 156 species known in the Nearctic region; 68 of these have been reported from nNA, and two more are expected. Most Nearctic species of the subfamily Elachistinae have been revised recently by Kaila (1995b, 1996, 1997, 1999a, 1999b). Kaila (1999a) provides a checklist of species of the subfamily Elachistinae.

subfamily Elachistinae Bruand, 1850

Perittia Stainton, 1854
tax info: Kaila (1995b)

421353	*cygnodiella* (Busck, 1921) *(Aphelosetia)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--
421354	*herrichiella* (Herrich-Schäffer, 1855) *(Tinagma)*+	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	PE

Annettenia Traugott-Olsen, 1995

421359	*eremonoma* (Braun, 1948) *(Onceroptila)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--

Elachista Treitschke, 1833
Cosmiodes Clemens, 1860
Phigalia Chambers, 1875

subgenus ***Hemiprosopa*** Braun, 1948

421362	*dasycara* Kaila, 1999 *(Elachista)* *albella* (Chambers, 1877) *(Eurynome)*	R	--	YT	--	--	--	AB	SK	--	--	--	--	--	--	--	--

subgenus ***Aphelosetia*** Stephens, 1834

argentella group Kaila, 1997
tax info: Kaila (1997)

421363	*subalbidella* Schläger, 1847 *(Elachista)**	R	--	YT	--	--	BC	AB	--	MB	ON	QC	--	NF	NB	NS	--
	hiberna Braun, 1948 *(Elachista)*																
421364	*patriodoxa* Meyrick, 1932 *(Elachista)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	--	--	--	--
421368	*ossuaria* Kaila, 1997 *(Elachista)*	R	--	YT	--	--	--	AB	--	--	--	--	--	--	--	--	--
421369	*aspila* Kaila, 1997 *(Elachista)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
421373	*orestella* Busck, 1908 *(Elachista)*	R	AK	YT	--	--	--	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
421374	*aurocristata* Braun, 1921 *(Elachista)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
421375	*symmorpha* Braun, 1948 *(Elachista)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
421381	*acenteta* Braun, 1948 *(Elachista)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
421382	*aphyodes* Kaila, 1997 *(Elachista)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
421384	*hololeuca* Braun, 1948 *(Elachista)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
421385	*lamina* Braun, 1948 *(Elachista)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
421388	*griseicornis* Meyrick, 1932 *(Elachista)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	--	--	--	--
421391	*adempta* Braun, 1948 *(Elachista)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--
	albella (Chambers, 1875) *(Laverna)*																
421393	*apina* Kaila, 1997 *(Elachista)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
421394	*achrantella* Kaila, 1997 *(Elachista)*	R	--	--	--	--	--	P	SK	--	--	--	--	--	--	--	--
421395	*epimicta* Braun, 1948 *(Elachista)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--
	purissima Braun, 1948 *(Elachista)*																
421396	*perniva* Kaila, 1997 *(Elachista)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--
421397	*virgatula* Kaila, 1997 *(Elachista)*	R	--	--	--	--	--	AB	SK	MB	--	--	--	--	--	--	--
	albella (Chambers, 1875) *(Phigalia)*																

subgenus ***Elachista*** Treitschke, 1833

bifasciella group Kaila, 1999
tax info: Kaila (1999b)

421406	*dagnirella* Kaila, 1999 *(Elachista)*	R	AK	YT	--	--	U	AB	--	--	--	--	--	--	--	--	--
	NOTE: This species was reported from across western NA by Powell & Opler (2009), from YT and AK to WA, SD, and CA. BC was not specifically mentioned, but it almost certainly occurs there as well.																
421408	*albicapitella* Engel, 1907 *(Elachista)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	NF	--	NS	--
421410E	*stramineola* Braun, 1921 *(Elachista)*	EP	--	--	--	--	E	P	--	--	--	E	--	--	--	--	--
	NOTE: Historical records of this species in Canada refer to *E. morwenella* (Kaila 1999b). True *E. stramineola* is restricted to western USA as far north as Glacier National Park (MT), but it is expected to occur in adjacent AB.																

421411 *morwenella* Kaila, 1999 *(Elachista)* R -- -- -- -- BC -- -- -- -- QC -- NF -- -- --
421418 *alpinella* Stainton, 1854 *(Elachista)* R AK YT NT NU -- -- SK MB -- QC -- -- -- -- --
oxytypa Braun, 1948 *(Elachista)*
421419 *fuliginea* Braun, 1948 *(Elachista)* R -- -- -- -- -- AB -- MB ON QC LB NF NB NS --
421420 *kilmunella* Stainton, 1849 *(Elachista)** R -- YT P P -- -- -- MB -- QC LB -- -- -- --
421421 *excelsicola* Braun, 1948 *(Elachista)* R AK -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species is known from alpine areas of NH and ME, and likely occurs in similar habitat in Gaspé (QC).
421422 *zernyi* Hartig, 1941 *(Elachista)* R AK YT -- -- -- -- -- -- -- -- -- -- -- -- --
421423 *irrorata* Braun, 1920 *(Elachista)* R -- -- -- -- -- AB SK MB ON QC -- NF -- -- --
philopatris Meyrick, 1932 *(Elachista)*
421424 *olorinella* Kaila, 1999 *(Elachista)* R AK -- -- -- -- -- -- -- -- -- -- -- -- --
421425 *maritimella* McDunnough, 1942 *(Elachista)* R -- -- -- -- -- AB SK -- -- QC -- NF NB NS --
421426 *curufinella* Kaila, 1999 *(Elachista)* R -- -- -- -- -- AB -- -- -- -- -- -- -- --
421428 *gorlimella* Kaila, 1999 *(Elachista)* R -- -- -- -- -- -- -- -- -- QC -- NF -- -- --
421429 *maculoscella* (Clemens, 1860) *(Cosmiotes)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
nitidiuscula Braun, 1948 *(Elachista)*
unifasciella Chambers, 1875 *(Elachista)*
421430 *sylvestris* Braun, 1920 *(Elachista)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
421431 *cana* Braun, 1920 *(Elachista)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
421432 *amideta* Braun, 1948 *(Elachista)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
421440 *cicadella* Kaila, 1999 *(Elachista)* R -- YT -- -- -- -- -- -- -- -- -- -- -- -- --
421444 *amrodella* Kaila, 1999 *(Elachista)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

praelineata group Kaila, 1999
tax info: Kaila (1999b)

421455 *aranella* Kaila, 1999 *(Elachista)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
421456 *miriella* Kaila, 1999 *(Elachista)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
421462 *helodella* Kaila, 1999 *(Elachista)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

freyerella group Kaila, 1999
tax info: Kaila (1999b)

421466 *freyerella* (Hübner, [1825]) *(Antispila)** R -- -- NT P -- AB P MB ON QC -- -- NB NS --
scopulicola (Braun, 1948) *(Cosmiotes)*
421467 *illectella* (Clemens, 1860) *(Cosmiotes)* R -- -- -- -- -- AB -- -- ON QC -- NF EP EP --
NOTE: Specimens from NB and NS in the CNC (the basis of the records by Lafontaine et al. 2001) were redetermined as *E. freyerella* by Kaila (1999b), but the species may yet be found in those provinces. Determinations based on DNA barcodes are not reliable in this group and are not included herein, but one AB specimen has been dissected and confirmed as true *E. illectella* by GRP.
albapalpella Chambers, 1876 *(Elachista)*
cristatella Chambers, 1860 *(Elachista)*
praematurella Clemens, 1860 *(Elachista)*
421468 *beorella* Kaila, 1999 *(Elachista)* R -- -- -- -- -- -- -- -- -- QC -- NF -- -- --
421469 *herbigrada* Braun, 1925 *(Elachista)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Cypress Hills Provincial Park (AB), collected by ADM, GRP, and J. Machney, and confirmed by GRP.
421470 *neithanella* Kaila, 1999 *(Elachista)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
421471 *tuorella* Kaila, 1999 *(Elachista)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: New for Canada. A series of specimens from Waterton Lakes National Park (AB) has been identified as this species via dissection by GRP.

tetragonella group Kaila, 1996
tax info: Kaila (1996)

421474 *pyrrha* Kaila, 1996 *(Elachista)* R -- YT NT -- -- AB -- MB -- -- -- -- -- -- --
421475 *leucosticta* Braun, 1948 *(Elachista)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --
421478 *cucullata* Braun, 1921 *(Elachista)* R -- -- -- -- -- -- -- -- ON QC -- NF -- -- --
421479P *agilis* Braun, 1921 *(Elachista)* P -- -- -- -- -- P -- -- -- -- -- -- -- -- --
NOTE: This species is known globally only from Glacier National Park (MT) (Kaila 1996); it probably occurs in adjacent AB.
421480 *albidella* Nylander, 1848 *(Elachista)* R -- -- -- -- -- AB -- MB ON QC -- NF NB NS --
tanyopis Meyrick, 1932 *(Elachista)*
421482 *inaudita* Braun, 1927 *(Elachista)* R -- YT P NU -- -- -- -- ON QC -- -- -- -- --

421483 *eleochariella* Stainton, 1851 *(Elachista)* R -- YT NT -- -- AB SK MB -- QC LB NF -- -- --

421484 *beothucella* Kaila, 1996 *(Elachista)* R -- -- -- -- -- -- -- -- U P -- NF NB E --

NOTE: A specimen from Blackburn (ON) is determined with a "?" by Kaila (1996). The report from NS by Lafontaine et al. (2001) is a databasing error.

421486 *cerasella* Kaila, 1996 *(Elachista)* R -- -- -- -- -- -- -- MB ON P LB -- -- -- --

421487 *huron* Kaila, 1996 *(Elachista)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

421488 *serra* Kaila, 1996 *(Elachista)* R -- -- -- -- -- -- -- -- -- QC LB -- -- -- --

421489 *vinlandica* Kaila, 1996 *(Elachista)* R -- -- -- -- -- -- -- -- -- P LB NF -- -- --

Elachista ungrouped

421496 *madarella* (Clemens, 1860) *(Cosmiotes)* R -- -- -- -- -- -- -- -- ON QC -- NF -- -- --

subfamily Parametriotinae Căpuşe, 1971

Blastodacna Wocke, 1876

421501 *bicristatella* (Chambers, 1875) *(Gelechia)* R -- -- -- -- -- AB P MB ON QC -- -- -- -- --

NOTE: We list records here only of the true *B. bicristatella*. The taxon *placendiella*, currently treated as a synonym, occurs in ON and QC and likely represents a biological species (JFL, *in litt.*). Another much larger undescribed species is known from BC to NS, and was incorrectly treated as *B. bicristatella* by Pohl et al. (2010, 2014). To further complicate matters, true *B. bicristatella* has been erroneously referred to in many publications as *Blastodacna curvilineella*. There is no such taxon, and is the result of confusion with *Batrachedra curvilineella* in the Batrachedridae.

placendiella (Busck, 1908) *(Batrachedra)*

sublustris (Meyrick, 1922) *(Colonophora)*

421502 *atra* (Haworth, 1828) *(Recurvaria)*ǂ R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Chrysoclista Stainton, 1854

tax info: Koster (2002)

421504 *cambiella* (Busck, 1915) *(Psacaphora)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

421505 *villella* (Busck, 1904) *(Cosmopterix)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

421506 *linneella* (Clerck, 1759) *(Phalaena)*+ R -- -- -- -- BC -- -- -- ON QC -- -- NB NS --

421506.1 *lathamella* Fletcher, 1936 *(Chrysoclista)*ǂ U -- -- -- -- -- U -- -- -- -- -- -- -- -- --

NOTE: A specimen collected in Wood Buffalo National Park in extreme northern AB was identified as this species via DNA barcoding, and reported as such by Šumpich & Huemer (2016). The determination has not been verified via dissection, and is hereby deemed uncertain. If it is correct, the remote location suggests the species would be naturally holarctic rather than introduced.

38. Family COLEOPHORIDAE Bruand, 1850 (casebearer moths)

by J.-F. Landry

Coleophorid moths are very small moths that usually have narrow, strongly pointed wings that span six to 20 mm. Most coleophorid larvae are leafminers in the first instar, then build cryptic cases out of silk, excrement, pieces of leaves, or other plant parts.

The family Coleophoridae ranges worldwide and contains about 1450 species. In the Nearctic region, the family has 154 described species, all in the genus *Coleophora*. The group is poorly known, and probably hundreds more species await description. Thus far, 109 species have been reported from nNA. Baldizzone et al. (2006) published a world catalogue of the family.

Coleophora Hübner, 1822

NOTE: Numerous recent generic synonyms are omitted here; see Baldizzone et al. (2006).

421509 *multipulvella* Chambers, 1878 *(Coleophora)* R -- YT -- -- BC AB SK P ON QC -- -- NB U PE

NOTE: The NS records by Belton (1988) and Lafontaine et al. (2001) could not be verified.

atlantica Heinrich, 1920 *(Coleophora)*

castipennella Walsingham, 1882 *(Coleophora)*

cinerella Chambers, 1878 *(Coleophora)*

malivorella Riley, 1879 *(Coleophora)*

421510 *sacramenta* Heinrich, 1914 *(Coleophora)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --

421511	*tiliaefoliella* Clemens, 1861 *(Coleophora)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	--	PE
421512	*atromarginata* Braun, 1914 *(Coleophora)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	--	--
421513	*albovanescens* Heinrich, 1926 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	NS	--
421515	*elaeagnisella* Kearfott, 1908 *(Coleophora)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
421516	*querciella* Clemens, 1861 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
421517	*rosaefoliella* Clemens, 1864 *(Coleophora)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	NS	--
	ciliaeochrella Chambers, 1874 *(Coleophora)*																
421518	*laurentella* McDunnough, 1944 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	NB	NS	--
421519	*vancouverensis* McDunnough, 1944 *(Coleophora)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
421520	*annulicola* Braun, 1925 *(Coleophora)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
421521	*asterophagella* McDunnough, 1944 *(Coleophora)*	R	--	--	--	--	--	AB	--	MB	ON	QC	--	--	--	--	--
421522	*wyethiae* Walsingham, 1882 *(Coleophora)*	R	--	--	--	--	BC	U	--	--	--	--	--	--	--	--	--
	NOTE: Specimens from AB have not been verified; this species is only separable from *C. monardella* via host plant information.																
421523	*monardella* (McDunnough, 1933) *(Haploptilia)*	R	--	--	--	--	--	AB	--	MB	ON	P	--	--	--	--	--
421526	*pruniella* Clemens, 1861 *(Coleophora)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
	innotabilis Braun, 1927 *(Coleophora)*																
	nigerlineella Chambers, 1878 *(Coleophora)*																
	nigralineella Chambers, 1876 *(Coleophora)*																
	ochrella Chambers, 1878 *(Coleophora)*																
	piperata Braun, 1925 *(Coleophora)*																
	volckei Heinrich, 1918 *(Coleophora)*																
	volckei Volck, 1917 *(Coleophora)*																
421528	*kalmiella* (McDunnough, 1936) *(Haploptilia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
421529	*canadensisella* McDunnough, 1955 *(Coleophora)*	R	AK	--	--	--	--	AB	--	--	ON	QC	--	NF	--	NS	--
421530	*salicivorella* McDunnough, 1945 *(Coleophora)*	R	--	--	--	--	--	AB	SK	--	ON	QC	--	--	NB	NS	--
421531	*gaylussaciella* Heinrich, 1915 *(Coleophora)*	R	--	--	--	--	--	E	--	--	ON	QC	--	--	--	NS	--
	NOTE: This species was reported from AB by Pohl et al. (2013), but that was a misidentification.																
	peregrinaevorella McDunnough, 1954 *(Coleophora)*																
421532	*cornivorella* McDunnough, 1945 *(Coleophora)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	NF	--	U	--
	NOTE: A NS specimen in the BOLD database could not be identified with certainty.																
421533	*viburniella* Clemens, 1861 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	NS	--
	viburnella Forbes, 1923 *(Coleophora)*																
421534	*affiliatella* McDunnough, 1946 *(Coleophora)*	R	--	--	--	--	--	--	SK	--	ON	QC	--	--	--	NS	--
421535	*multicristatella* McDunnough, 1954 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	P	--	--	--	NS	--
421536	*dissociella* McDunnough, 1955 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	NS	--
421537	*vacciniivorella* McDunnough, 1955 *(Coleophora)*	R	--	--	--	--	--	--	--	U	--	QC	--	--	--	NS	--
	NOTE: A MB specimen in the CNC is not identified with certainty.																
421538	*cretaticostella* Clemens, 1860 *(Coleophora)*	R	--	YT	--	--	BC	AB	--	--	ON	QC	--	--	--	NS	--
421539	*murinella* Tengström, [1848] *(Coleophora)**	R	--	--	--	--	--	--	--	--	--	--	--	NF	--	NS	--
421540	*glitzella* Hoffman, 1869 *(Coleophora)**	R	--	YT	--	--	--	--	SK	--	--	--	--	--	--	--	--
421541	*rupestrella* McDunnough, 1955 *(Coleophora)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	--	NS	--
421542	*ledi* Stainton, 1860 *(Coleophora)**	R	AK	--	--	--	--	--	SK	--	ON	QC	LB	NF	--	NS	--
421543	*persimplexella* McDunnough, 1955 *(Coleophora)*	R	--	--	--	--	--	AB	SK	--	ON	QC	--	--	--	NS	--
421544	*manitoba* Busck, 1915 *(Coleophora)*	R	--	--	--	--	--	--	--	MB	--	--	--	--	--	--	--
421545	*accordella* Walsingham, 1882 *(Coleophora)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
421547	*kearfottella* Barnes & Busck, 1920 *(Coleophora)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	NS	PE
421548	*laticornella* Clemens, 1860 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	caryaefoliella Clemens, 1861 *(Coleophora)*																
421549	*corylifoliella* Clemens, 1861 *(Coleophora)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	--	--	--	--
421550	*juglandella* McDunnough, 1946 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
421551	*lentella* Heinrich, 1915 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
421552	*ostryae* Clemens, 1861 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	carpinella Heinrich, 1923 *(Coleophora)*																
	rufoluteella Chambers, 1874 *(Coleophora)*																
421553E	*alniella* Heinrich, 1914 *(Coleophora)*	E	--	--	--	--	--	--	--	--	--	--	--	--	--	E	--
	NOTE: Reported from NS by Prentice (1965) but no confirmed Canadian vouchers could be located, so that is deemed erroneous. The record may refer to *C. alnifoliae*.																
421554	*cornella* Walsingham, 1882 *(Coleophora)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	--	--	--	--	--
	albiantennaella Wild, 1915 *(Coleophora)*																
421555	*alnifoliae* Barasch, 1934 *(Coleophora)**	R	--	YT	--	--	BC	AB	--	MB	ON	QC	--	--	--	NS	--

	alnivorella McDunnough, 1946 *(Coleophora)*																				
421557	*comptoniella* (McDunnough, 1926) *(Haploptilia)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	NF	--	NS	--
	betulivora McDunnough, 1946 *(Coleophora)*																
	comptinila Poole, 1996 *(Coleophora)*																
421558	*badiipennella* (Duponchel, 1843) *(Ornix)*+	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
421559	*limosipennella* (Duponchel, 1843) *(Ornix)*+	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	ulmifoliella McDunnough, 1946 *(Coleophora)*																
421560	*granifera* Braun, 1919 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
421561	*astericola* Heinrich, 1920 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
421562	*paludoides* McDunnough, 1957 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
	paludicola McDunnough, 1945 *(Coleophora)*																
421563	*glaucella* Walsingham, 1882 *(Coleophora)*	R	--	--	--	--	BC	AB	--	--	ON	--	--	--	--	--	--
421565	*spinella* (Schrank, 1802) *(Tinea)*+	R	--	--	--	--	BC	--	--	U	ON	QC	--	--	--	NS	--
	NOTE: Reported from MB by Prentice (1965, as *C. occidentalis*), and by Belton (1988, as *C. cerasivorella*). No MB vouchers could be located, but occurrence there is plausible.																
	cerasivorella Packard, 1870 *(Coleophora)*																
	fletcherella Fernald, 1892 *(Coleophora)*																
	occidentalis Chambers, 1878 *(Coleophora)*																
421566	*serratella* (Linnaeus, 1761) *(Phalaena)*+	R	--	--	--	--	BC	--	--	--	ON	QC	--	NF	NB	NS	PE
	fuscedinella Zeller, 1849 *(Coleophora)*																
	insulicola McDunnough, 1945 *(Coleophora)*																
	metallicella Hodgkinson, 1892 *(Coleophora)*																
	parasalmani Oudejans, 1971 *(Coleophora)*																
	salmani Heinrich, 1929 *(Coleophora)*																
421567	*irroratella* Walsingham, 1882 *(Coleophora)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
421569	*laricella* (Hübner, [1817]) *(Tinea)*+	R	--	--	--	--	BC	--	--	MB	ON	QC	--	NF	NB	NS	PE
421570	*asterosella* McDunnough, 1944 *(Coleophora)*	R	--	--	--	--	--	--	SK	--	ON	QC	--	--	--	--	--
421571	*rosaevorella* McDunnough, 1946 *(Coleophora)*	R	AK	--	--	--	BC	AB	--	MB	ON	QC	--	--	--	NS	--
421572	*acutipennella* Walsingham, 1882 *(Coleophora)*	R	--	--	--	--	BC	AB	P	MB	--	--	--	--	--	--	--
421573	*bistrigella* Chambers, 1875 *(Coleophora)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
	NOTE: New for Canada, based on a specimen from Pakowki Dunes (AB), collected by JJD, and identified via DNA barcode.																
421574	*rosacella* Clemens, 1864 *(Coleophora)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	--	U	NS	--
	NOTE: The NB record by Lafontaine et al. (2001) could not be verified.																
421576	*heinrichella* (McDunnough, 1933) *(Haploptilia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
421577	*monardae* McDunnough, 1945 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
421579	*mcdunnoughiella* Oudejans, 1971 *(Coleophora)*	R	--	--	--	--	P	AB	SK	--	ON	QC	--	--	--	NS	--
	dubiella McDunnough, 1946 *(Coleophora)*																
421581	*sparsipuncta* Heinrich, 1929 *(Coleophora)*	R	--	--	--	--	--	AB	--	--	ON	--	--	--	--	--	--
421582E	*crinita* Braun, 1921 *(Coleophora)*	E	--	--	--	--	--	E	--	--	--	--	--	--	--	--	--
	NOTE: Bowman (1951) reported this species from AB, but no vouchers are known from Canada or the northern USA, and it is deemed erroneous.																
421583	*seminella* McDunnough, 1946 *(Coleophora)*	R	--	YT	--	--	BC	AB	SK	--	ON	QC	--	--	NB	NS	--
421588	*simulans* McDunnough, 1961 *(Coleophora)*	R	--	--	--	--	BC	AB	--	--	--	QC	--	--	--	NS	--
421589	*versurella* Zeller, 1849 *(Coleophora)*+	R	--	--	--	--	--	--	--	MB	ON	QC	--	NF	NB	NS	PE
	thalassella McDunnough, 1940 *(Coleophora)*																
421590	*ericoides* Braun, 1919 *(Coleophora)*	R	--	--	--	--	--	--	--	MB	--	--	--	--	--	--	--
	NOTE: New for Canada, based on two specimens in the CNC.																
421591	*subapicis* Braun, 1940 *(Coleophora)*	R	--	YT	--	--	--	U	--	--	--	QC	--	--	--	--	--
	NOTE: Specimens from AB (CNC, BOLD) are not identified with certainty.																
421592	*triplicis* McDunnough, 1940 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	P	--	--	NB	NS	PE
421593	*puberuloides* McDunnough, 1956 *(Coleophora)*	R	--	--	--	--	--	AB	--	MB	--	QC	--	--	--	NS	--
421594	*texanella* Chambers, 1878 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	NOTE: New for Canada, based on material collected recently by JFL.																
	vagans Walsingham, 1907 *(Coleophora)*																
421595	*duplicis* Braun, 1921 *(Coleophora)*	R	--	YT	--	--	BC	AB	--	MB	ON	QC	--	--	NB	NS	PE
421596	*rugosae* McDunnough, 1956 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	P	--	--	--	NS	--
421597	*acuminatoides* McDunnough, 1958 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	NS	--
421598	*bidens* Braun, 1940 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--
421599	*nemorella* McDunnough, 1956 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	P	--	--	--	NS	--
	NOTE: This species is known only from the holotype.																
421600	*intermediella* McDunnough, 1940 *(Coleophora)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	NB	NS	EP
	NOTE: The PE record by Lafontaine et al. (2001) is a database error, though the species likely occurs there.																

421601	*dextrella* Braun, 1940 *(Coleophora)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	--	--	NS	--
421602	*detractella* McDunnough, 1961 *(Coleophora)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	--	--	NS	--
421603	*prepostera* Braun, 1923 *(Coleophora)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
	NOTE: New for Canada, based on series of specimens in the CNC, confirmed via DNA barcode.																
421605	*littorella* McDunnough, 1940 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	P	--	--	NB	NS	PE
421606	*salinoidella* McDunnough, 1946 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	P	--	--	U	NS	--
	NOTE: The NB record by Lafontaine et al. (2001) has not been verified.																
421607	*lineapulvella* Chambers, 1874 *(Coleophora)* *amaranthella* Braun, 1919 *(Coleophora)* *lapidicornis* Walsingham, 1907 *(Coleophora)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	--	--
421608	*quadruplex* McDunnough, 1940 *(Coleophora)*	R	--	--	--	--	--	AB	P	MB	ON	QC	--	--	NB	NS	--
421610	*sparsipulvella* Chambers, 1875 *(Coleophora)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
421616	*quadrilineella* Chambers, 1878 *(Coleophora)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	NS	--
421617	*atriplicis* Meyrick, 1928 *(Coleophora)**	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	NS	PE
	cervinella McDunnough, 1946 *(Coleophora)*																
421618E	*tenuis* Walsingham, 1882 *(Coleophora)*	E	--	--	--	--	E	E	--	--	--	--	--	--	--	--	--
	NOTE: Historical records from BC and AB are assumed to be erroneous as no vouchers could be located and this species is otherwise not known from Canada.																
421619	*borea* Braun, 1921 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
421620	*sparsiatomella* McDunnough, 1941 *(Coleophora)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
	NOTE: This species may be conspecific with *C. sparsipulvella*.																
421622	*cratipennella* Clemens, 1864 *(Coleophora)* *gigantella* Chambers, 1874 *(Coleophora)* *shaleriella* Chambers, 1874 *(Coleophora)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	NB	NS	PE
421625	*benestrigatella* McDunnough, 1941 *(Coleophora)*	R	--	--	--	--	--	U	SK	MB	ON	QC	--	--	--	NS	--
	NOTE: Specimens from AB could not be identified with certainty.																
421626	*brunneipennis* Braun, 1921 *(Coleophora)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
421627	*bidentella* McDunnough, 1941 *(Coleophora)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	--	--	--	--	--
421632	*contrariella* McDunnough, 1955 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--
	NOTE: This species is known only from the holotype.																
421633	*sexdentatella* McDunnough, 1958 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	NS	--
421634E	*caespititiella* Zeller, 1839 *(Coleophora)*	E	--	--	--	--	--	--	--	--	--	E	--	--	--	--	--
	NOTE: According to Handfield (2002) all historical reports of this European species in NA are incorrect.																
421635	*latronella* McDunnough, 1940 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	PE
421636	*glissandella* McDunnough, 1942 *(Coleophora)*	R	--	--	--	--	--	AB	SK	--	ON	QC	--	NF	NB	NS	PE
421637	*glaucicolella* Wood, 1892 *(Coleophora)**	R	--	YT	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
421638	*alticolella* Zeller, 1849 *(Coleophora)**	R	--	YT	NT	--	--	AB	--	--	--	QC	--	--	--	--	--
	NOTE: This species, previously known only in western Canada, was found in the Gaspé region of QC in 2013 by A. Charpentier.																
421639	*fagicorticella* Chambers, 1874 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	PE
421640	*bispinatella* McDunnough, 1954 *(Coleophora)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	NS	--
421641	*dentiferoides* McDunnough, 1958 *(Coleophora)*	R	--	--	--	--	--	--	--	--	--	P	--	--	--	NS	--
421643	*concolorella* Clemens, 1863 *(Coleophora)* *unicolorella* Chambers, 1874 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	PE
421644	*maritella* McDunnough, 1941 *(Coleophora)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
421646	*mayrella* (Hübner, [1813]) *(Tinea)*+ *aeneusella* Chambers, 1875 *(Coleophora)* *aenusella* Chambers, 1878 *(Coleophora)* *auropurpuriella* Chambers, 1874 *(Coleophora)* *coruscipennella* Clemens, 1860 *(Coleophora)* *spissicornis* (Haworth, 1828) *(Porrectaria)*	R	AK	YT	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
421647	*trifolii* (Curtis, 1832) *(Damophila)*+ *chalybaeella* (Costa, 1836) *(Tinea)* *melilotella* Scott, 1861 *(Coleophora)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
421652	*deauratella* Lienig & Zeller, 1846 *(Coleophora)*+	R	--	--	--	--	BC	AB	--	--	ON	QC	--	NF	NB	NS	--
421654	*ramitella* Landry & Wright, 1993 *(Coleophora)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	NOTE: New for Canada, based on series of specimens in the CNC.																
421657	*klimeschiella* Toll, 1952 *(Coleophora)*+	R	--	--	--	--	BC	--	XI	--	--	--	--	--	--	--	--
	NOTE: This species was released at Regina (SK) in 1977 for control of Russian Thistle (*Salosa tragus* Linnaeus), and successfully overwintered, but the colony was killed by a flood the following year (Kelleher & Hulme 1984). The population in BC appears to have immigrated independently from WA where it was also released for biocontrol.																
421658	*parthenica* Meyrick, 1891 *(Coleophora)*+	XI	--	--	--	--	--	--	XI	--	--	--	--	--	--	--	--
	NOTE: This species was released at Regina (SK) in 1975 for control of Russian Thistle (*Salosa tragus* Linnaeus). It did not become established (Kelleher & Hulme 1984).																

421660 *granulatella* Zeller, 1849 *(Coleophora)** R -- YT -- -- BC AB -- -- ON -- -- -- -- -- --
421661 *vitisella* Gregson, 1856 *(Coleophora)** R -- YT -- -- -- -- -- MB -- -- -- -- -- -- --
421662E *therinella* Tengström, [1848] *(Coleophora)* E -- -- -- -- -- -- -- -- -- -- -- -- -- -- E
NOTE: Reported from PE by Lafontaine et al. (2001), but that is deemed erroneous. *Coleophora therinella* is not known to occur in NA. These records may refer to *C. benestrigatella*.

39. Family BATRACHEDRIDAE Heinemann & Wocke, 1876

by J.-F. Landry and G.R. Pohl

These are very small moths with narrow, pointed wings, spanning seven to 17 mm. Batrachedrid larvae feed on a wide variety of plant material, from fern sporangia to *Juncus* seeds. Canadian species live on aspen catkins and as inquilines in the galls of *Pontania* sawfly larvae on willow leaves.

Historically the batrachedrids had been placed as a subfamily of the Coleophoridae, but were considered to be a separate family by Hodges (1998). The Batrachedridae comprises about 100 named species, with 26 species known from NA, six of which occur in nNA. The New World species were revised by Hodges (1966a).

Batrachedra Herrich-Schäffer, 1853

421663 *praeangusta* (Haworth, 1828) *(Gracillaria)*‡ R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
NOTE: The Nearctic populations under the name of this "holarctic" species have a different DNA barcode from Palaearctic populations, and may represent a distinct biological species.
clemensella Chambers, 1877 *(Batrachedra)*
turdipennella (Kollar, 1832) *(Ornix)*
421664 *striolata* Zeller, 1875 *(Batrachedra)* R -- -- -- -- BC -- -- U -- U -- -- -- -- --
NOTE: The report from MB by Brodie (1929) could not be verified. Specimens from QC are tentatively identified via DNA barcode. True *B. striolata* is known from CT so eastern Canadian records are plausible.
pulvella (Chambers, 1876) *(Asychna)*
421665 *curvilineella* (Chambers, 1872) *(Gelechia)* R -- -- -- -- U U E MB ON U -- -- U -- --
NOTE: The only confirmed records listed here are from MB and ON, cited by Hodges (1966a). All other records require confirmation. This taxon was erroneously entered twice in Hodges et al. (1983), in *Blastodacna* (in the Elachistidae) and in *Batrachedra*. There is no such taxon as *Blastodacna curvilineella* (Chambers). Because of this confusion, some records (e.g., the SK record by Pohl et al. (2014)) refer to *Blastodacna* species. (See note under *Blastodacna bicristatella*).
421667 *salicipomonella* Clemens, 1865 *(Batrachedra)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: The only known Canadian record is a single specimen from Toronto (ON) in the BMNH, cited by Hodges (1966a).
421681 *pinicolella* (Zeller, 1839) *(Cosmopterix)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Scarborough (ON) by J. Lee, identified via DNA barcode and confirmed by JFL.

Duospina Hodges, 1966

421685 *trichella* (Busck, 1908) *(Batrachedra)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
concors (Meyrick, 1917) *(Batrachedra)*

40. Family SCYTHRIDIDAE Rebel, 1901 (teardrop moths)

by J.-F. Landry

Scythridids are very small moths with wingspans of 10 to 30 mm. Most species are teardrop shaped, with dark, narrow wings. Larvae feed externally on buds, flowerheads and leaves, or they mine inside leaves. Many scythridids, especially northern and montane species, fly in the daytime.

There are about 650 species of scythridids known around the world. In the Nearctic region, the family is poorly known, with 44 described species, but the true diversity is probably much higher. Fourteen species have been reported from nNA. Landry (1991) revised the known NA fauna.

Rhamphura Landry, 1991

421700 *ochristriata* (Walsingham, 1888) *(Butalis)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: Report of this otherwise CA species from AB by Bowman (1951) is actually an undescribed species (Pohl et al. 2010), but it is retained here pending taxonomic work.

***Scythris* Hübner, 1825**

421703	*basilaris* (Zeller, 1855) *(Butalis)*	R	--	--	--	--	--	--	SK	--	ON	QC	--	--	--	--	--
	flavifrontella (Clemens, 1860) *(Butalis)*																
421704	*eboracensis* (Zeller, 1855) *(Butalis)*	R	--	--	--	--	BC	AB	EP	MB	ON	QC	--	--	--	--	--
NOTE: The report from SK by Pohl et al. (2014) was a databasing error, but the species is expected there.																	
421705	*fuscicomella* (Clemens, 1860) *(Butalis)*	R	--	--	--	--	--	--	--	MB	--	QC	--	--	--	NS	--
421707	*pilosella* (Zeller, 1873) *(Butalis)*	R	--	--	--	--	--	AB	SK	--	ON	QC	--	--	--	--	--
421708	*inspersella* (Hübner, [1817]) *(Tinea)**	R	--	--	--	--	BC	P	--	--	ON	QC	--	NF	NB	NS	PE
	aterrimella (Walker, 1864) *(Gelechia)*																
	epilobiella McDunnough, 1942 *(Scythris)*																
	hypotricha Joannis, 1920 *(Scythris)*																
421709	*noricella* Zeller, 1843 *(Scythris)**	R	AK	YT	NT	--	BC	AB	SK	MB	--	QC	--	--	--	--	--
	latifoliella Wolff, 1964 *(Scythris)*																
	magnatella Busck, 1904 *(Scythris)*																
421710	*immaculatella* Chambers, 1875 *(Scythris)**	R	AK	YT	--	--	BC	AB	--	MB	ON	QC	--	--	--	--	--
	kostjuki Sinev, 2001 *(Scythris)*																
	pacifica McDunnough, 1927 *(Scythris)*																
421711	*limbella* (Fabricius, 1775) *(Tinea)*+	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--
	chenopodiella (Hübner, 1813) *(Tinea)*																
	quadriguttella (Thunberg, 1794) *(Tinea)*																
	tristella (Hübner, 1796) *(Tinea)*																
	variella ([Denis & Schiffermüller], 1775) *(Tinea)*																
421712	*mixaula* Meyrick, 1916 *(Scythris)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
421713	*trivinctella* (Zeller, 1873) *(Butalis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--

***Landryia* Kemal & Koçak, 2006**
Asymmetrura Landry, 1991

421723	*impositella* (Zeller, 1855) *(Gelechia)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	NS	--
421724	*matutella* (Clemens, 1860) *(Butalis)*	R	--	--	--	--	--	--	SK	--	ON	QC	--	--	--	--	--
	ambroseaiella (Chambers, 1873) *(Sinoe)*																
421726	*scintillifera* (Braun, 1927) *(Scythris)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	--	--	NS	PE

41. Family BLASTOBASIDAE Meyrick, 1894

by G.R. Pohl and J.-F. Landry

Blastobasids are very small elongate moths, with eight to 15 mm wingspans. The wings of most species are grey with black marks. Larvae of most species are scavengers; a few feed on living plants or are opportunistic predators.

The family Blastobasidae was raised from subfamily status within the Coleophoridae, by Heikkilä et al. (2014). It comprises about 430 described species and is particularly diverse in the New World. A total of 73 species are known from the Nearctic region; 19 species have been reported from nNA. The last comprehensive work on the family was by Dietz (1910), and the group is in need of modern treatment. Adamski & Hodges (1996) published a nomenclature review and a checklist of the known North American species.

subfamily Holcocerinae Adamski, 1989

***Asaphocrita* Meyrick, 1931**
Holcocerina McDunnough, 1961

421733	*aphidiella* (Walsingham, 1907) *(Holcocera)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	--	NS	--
	basipallidella (Dietz, 1910) *(Holcocera)*																
	confluentella (Dietz, 1910) *(Holocera)*																
	dives (Dietz, 1910) *(Holcocera)*																
	simplicis (McDunnough, 1961) *(Holcocerina)*																

421734 *busckiella* (Dietz, 1910) *(Holcocera)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
NOTE: New for Canada, based on series of BOLD specimens.

421735 *estriatella* (Dietz, 1910) *(Holcocera)* R -- -- -- -- -- -- -- -- -- P -- -- -- NS --
NOTE: Listed as "probable" for QC by Handfield et al. (1997); it is known from NS and adjacent USA and its occurrence in QC is likely.

simuloides (McDunnough, 1961) *(Holcocerina)*

421737 *irenica* (Walsingham, 1907) *(Catacrypsis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Holcocera* Clemens, 1863**

421743 *chalcofrontella* Clemens, 1863 *(Holcocera)* R -- -- -- -- BC -- -- MB ON QC -- -- NB NS PE
fumerella Dietz, 1910 *(Holcocera)*
gibbociliella Hodges, 1983 *(Holcocera)*
gilbociliella Clemens, 1863 *(Holcocera)*
livorella (Zeller, 1873) *(Blastobasis)*
maligemmella Murtfeldt, 1898 *(Holcocera)*
minorella Dietz, 1910 *(Holcocera)*
ochrocephala Dietz, 1910 *(Holcocera)*
purpurocomella Clemens, 1863 *(Holcocera)*
quisquiliella (Zeller, 1873) *(Blastobasis)*
reductella Dietz, 1910 *(Holcocera)*

421745 *concolor* Adamski & Maier, 2003 *(Holcocera)* R -- -- -- -- BC -- SK -- ON QC -- -- -- NS --
NOTE: This taxon may be conspecific with *H. immaculella* (JFL *in litt.*).

421752 *immaculella* McDunnough, 1930 *(Holcocera)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS --

***Calosima* Dietz, 1910**

421758 *dianella* Dietz, 1910 *(Calosima)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --
lepidophaga (Clarke, 1960) *(Holcocera)*

subfamily Blastobasinae Meyrick, 1894

***Blastobasis* Zeller, 1835**
Valentinia Walsingham, 1907

421765 *floridella* (Dietz, 1910) *(Valentinia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
NOTE: New for Canada, based on series of BOLD specimens.

421766 *glandulella* (Riley, 1871) *(Gelechia)* R -- -- -- -- U -- SK MB ON QC -- -- -- -- --
NOTE: BC material in the PFC from Garry Oak savannah requires confirmation.

modestella (Clemens, 1863) *(Holcocera)*
nubilella Zeller, 1873 *(Blastobasis)*

421770 *pulchella* (Dietz, 1910) *(Euresia)* R -- -- -- -- -- -- -- -- -- P -- -- -- NS --
NOTE: Listed as "probable" for QC by Handfield et al. (1997); known from NS and adjacent USA and its occurrence in QC is likely.

maritimella McDunnough, 1961 *(Blastobasis)*
pulebella (Dietz, 1910) *(Euresia)*

***Hypatopa* Walsingham, 1907**
Blastobasoides McDunnough, 1961

421779 *boreasella* (Dietz, 1910) *(Holcocera)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

421782E *funebra* (Dietz, 1910) *(Holcocera)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Dietz (1910) as "*H. funebra reductella* Dietz" is erroneous; the taxon *reductella* is now a synonym of *Holcocera chalcofrontella*.

421786 *insulatella* (Dietz, 1910) *(Holcocera)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
rufopunctella (Dietz, 1910) *(Holcocera)*

421794 *simplicella* (Dietz, 1910) *(Blastobasis)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
coenomorpha (Meyrick, 1931) *(Blastobasis)*
differtellus (McDunnough, 1961) *(Blastobasoides)*
distinctella (Dietz, 1910) *(Blastobasis)*

421798 *titanella* McDunnough, 1961 *(Hypatopa)* R -- YT -- -- BC AB SK -- ON QC -- NF -- NS --
NOTE: This taxon may be conspecific with the European *H. binotella* Thunberg; they have very similar DNA barcodes.

421800 *vestaliella* (Dietz, 1910) *(Holcocera)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on two BOLD specimens from Lac Brule (QC), identified by D. Adamski.

***Pigritia* Clemens, 1860**

421802 *fidella* (Dietz, 1900) *(Ploiophora)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

421803 *laticapitella* Clemens, 1860 *(Pigritia)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, collected at Port Franks (ON) by KS, and confirmed by JFL.

ampla (Dietz, 1900) *(Ploiophora)*
angustipennella Dietz, 1900 *(Pigritia)*
argyreella (Dietz, 1900) *(Pseudopigritia)*
aufugella (Zeller, 1873) *(Blastobasis)*
basilarella Dietz, 1900 *(Pigritia)*
basilorella Dietz, 1900 *(Pigritia)*
confusella Dietz, 1900 *(Pigritia)*
dorsomaculella (Dietz, 1900) *(Pseudopigritia)*
equitella (Dietz, 1900) *(Pseudopigritia)*
erratella (Dietz, 1910) *(Dryope)*
fraternella (Dietz, 1900) *(Pseudopigritia)*
mediofasciella Dietz, 1900 *(Pigritia)*
obscurella Dietz, 1900 *(Pigritia)*
occidentella (Dietz, 1900) *(Dryope)*
ochreella Clemens, 1863 *(Pigritia)*
ornatella Dietz, 1900 *(Pigritia)*
purpurella Dietz, 1900 *(Pigritia)*
tristella Dietz, 1900 *(Pigritia)*

421804 *murtfeldtella* (Chambers, 1874) *(Dryope)* R -- -- NT -- BC AB SK MB -- -- -- -- -- -- --
canariella (Dietz, 1900) *(Dryope)*
discopunctella (Dietz, 1900) *(Dryope)*
fenyesella (Dietz, 1900) *(Dryope)*
fuscosuffusella (Dietz, 1900) *(Dryope)*
grisella (Dietz, 1900) *(Dryope)*
luteopulvella (Chambers, 1875) *(Dryope)*
minnicella (Dietz, 1900) *(Dryope)*
pallidotinctella (Dietz, 1900) *(Epigritia)*
tenebrella (Dietz, 1900) *(Dryope)*

42. Family STATHMOPODIDAE Meyrick, 1913

by G.R. Pohl and J.-F. Landry

Stathmopodids are very small, narrow moths with smooth-scaled heads. The larvae have diverse feeding habits.

Until recently, stathmopodids were included as a subfamily within the Oecophoridae (Hodges 1998), but were elevated to family status by Heikkilä et al. (2014). About 100 species of stathmopodids are known worldwide; five of these occur in the Nearctic region, and one is known from nNA. The group has not been the subject of modern taxonomic revision.

***Stathmopoda* Herrich-Schäffer, 1853**

421809 *aenea* (Braun, 1918) *(Erineda)* R -- -- -- -- -- -- -- -- ON QC -- NF NB NS --
NOTE: This taxon was inadvertently omitted from Hodges et al. (1983).

43. Family MOMPHIDAE Herrich-Schäffer, 1857

by G.R. Pohl and J.-F. Landry

Momphids are very small moths (wingspans of six to 18 mm) with narrow, pointed wings. Many species have black wings with transverse white marks. The larvae eat buds, seeds, and flowers, or are stem borers or gall makers. Many species feed on the plant family Onagraceae.

The Momphidae were placed as a subfamily within the Coleophoridae by Hodges (1998), but elevated to family status by Heikkilä et al. (2014). There are 60 described species known worldwide, mostly in the genus *Mompha*. Forty-seven species are known from the Nearctic region, 24 of which have been reported from nNA, and one more is expected. The group is in need of taxonomic work.

Mompha **Hübner, 1825**

Cyphophora Herrich-Schäffer, 1853
Laverna Curtis, 1839
Psacaphora Herrich-Schäffer, 1853

421813E	*albapalpella* (Chambers, 1875) *(Laverna)*	E	E	E	--	--	E	E	E	E	--	E	--	--	--	--	--	
	NOTE: This species has been widely reported in nNA, but all AK and Canadian specimens that have been examined in detail have proven to be *M. conturbatella*. No authentic specimens of *M. albapalpella* are known (and in fact the identity of the species is uncertain).																	
421819	*brevivittella* (Clemens, 1864) *(Wilsonia)*	R	--	--	--	--	--	AB	--	MB	ON	QC	--	--	--	--	--	
	oenotheraesemenella (Chambers, 1876) *(Laverna)*																	
	oenotheraevorella (Chambers, 1880) *(Laverna)*																	
421821	*capella* Busck, 1940 *(Mompha)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	NS	--	
	NOTE: New for Canada, based on material in BOLD (ON) and CNC (NS), confirmed by JFL.																	
421822	*cephalonthiella* (Chambers, 1871) *(Laverna)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
	cephalanthiella (Chambers, 1875) *(Laverna)*																	
421823	*circumscriptella* (Zeller, 1873) *(Laverna)*	R	--	--	--	--	BC	--	--	MB	ON	--	--	--	--	--	--	
421824	*claudiella* Kearfott, 1907 *(Mompha)*	R	--	--	--	--	--	AB	SK	MB	--	QC	--	NF	NB	NS	PE	
421828	*conturbatella* (Hübner, [1819]) *(Tinea)*‡	R	AK	YT	NT	--	BC	AB	SK	MB	--	QC	LB	--	--	--	--	
	NOTE: Most material of this species was previously identified as *M. albapalpella*.																	
421829	*deceptella* (Braun, 1921) *(Psacaphora)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
421830	*definitella* (Zeller, 1873) *(Laverna)*	R	--	--	--	--	--	AB	SK	--	--	P	--	--	--	--	--	
	NOTE: This species is known from northeasten USA, and probably occurs in adjacent QC.																	
	unicristatella (Chambers, 1875) *(Laverna)*																	
421833	*eloisella* (Clemens, 1860) *(Laverna)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	U	NS	PE	
	NOTE: The report from NB by Lafontaine et al. (2001) could not be verified.																	
	lyonetiella (Chambers, 1875) *(Laverna)*																	
	magnatella (Zeller, 1873) *(Phyllocnistis)*																	
	oenotheraeella (Chambers, 1875) *(Laverna)*																	
421834	*epilobiella* ([Denis & Schiffermüller], 1776) *(Tinea)*+	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	--	--	--	
421836	*idaei* (Zeller, 1839) *(Elachista)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	--	--	--	
	grandisella (Chambers, 1875) *(Laverna)*																	
	subiridescens (Walsingham, 1882) *(Laverna)*																	
	tricristatella (Chambers, 1875) *(Leucophryne)*																	
421837.1	*locupletella* ([Denis & Schiffermüller], 1775) *(Tinea)*+	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--	
	NOTE: Recent addition to the NA fauna by Eiseman (2016), but the CNC contains a recently determined QC specimen that was reared from *Oenothera* in 1959.																	
421838P	*luciferella* (Clemens, 1860) *(Laverna)*	P	--	--	--	--	--	--	--	--	P	P	--	--	--	--	--	
	NOTE: This species is known in the Great Lakes states and eastern USA, and probably occurs in adjacent Canada.																	
421841	*murtfeldtella* (Chambers, 1875) *(Laverna)*	R	--	--	--	--	BC	AB	--	--	ON	QC	--	NF	--	--	--	
	albocapitella (Chambers, 1875) *(Laverna)*																	
	grissella (Chambers, 1875) *(Laverna)*																	
	obscurusella (Chambers, 1875) *(Laverna)*																	
	parvicristatella (Chambers, 1875) *(Laverna)*																	
421842	*nancyae* Clarke, 1990 *(Mompha)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
421844	*passerella* (Busck, 1909) *(Psacaphora)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	
	NOTE: A recent collection from Pork Franks (ON) by KS is the first Canadian record, confirmed by JFL.																	

421847 *purpuriella* (Busck, 1909) *(Psacaphora)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: A specimen from Winnipeg (MB) in the RBCM is the sole Canadian record, confirmed by GRP and JFL.

421848 *raschkiella* (Zeller, 1839) *(Elachista)** R AK -- -- -- BC AB -- -- -- QC -- NF NB -- --

421850 *sexstrigella* (Braun, 1921) *(Psacaphora)** R AK YT -- -- BC AB -- MB ON QC -- NF -- -- --
complexa Svensson, 1982 *(Mompha)*

421851 *solomoni* Wagner, Adamski & Brown, 2004 *(Mompha)* R -- -- -- -- -- -- -- -- U QC -- -- -- -- --
NOTE: Material from ON has not been identified with certainty.

421852 *stellella* Busck, 1906 *(Mompha)* R -- -- -- -- -- AB SK MB ON QC -- -- NB -- --

421853 *sturnipennella* (Treitschke, 1833) *(Ornix)** R -- YT -- -- BC AB -- MB ON QC -- -- -- -- --
nodicolella Fuchs, 1902 *(Mompha)*

421854 *subbistrigella* (Haworth, 1828) *(Tinea)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This recently discovered introduction is probably more widespread in NA than is currently known.

421855 *terminella* (Westwood, 1851) *([none])*‡ R -- -- -- -- BC AB SK -- ON QC -- NF -- NS --
NOTE: Nearctic material under this name probably represents more than one biological species; material from BC, and some material from AB, is genetically divergent.
engelella Busck, 1906 *(Mompha)*

421856 *unifasciella* (Chambers, 1876) *(Laverna)* R AK -- -- -- BC AB SK MB ON QC -- -- NB -- --
NOTE: Historical records of the Palaearctic species *M. decorella* in NA refer to *M. unifasciella*.
decorella of authors (not Haworth, 1812) *(Tinea)*

44. Family PTEROLONCHIDAE Meyrick, 1918

by G.R. Pohl

This small group of very small moths is defined by wing venation characters and obscure characters of the abdomen.

This group was treated as a subfamily within the Coleophoridae by Hodges (1998), but elevated to family status by Heikkilä et al. (2014) and grouped with the Coelopetinae (formerly placed in the Elachistidae). About 30 species of Pterolonchidae are known worldwide. Four of these occur in the Nearctic region, and two are known from nNA.

subfamily Pterolonchinae Meyrick, 1918

Pterolonche Zeller, 1847

421858 *inspersa* Staudinger, 1859 *(Pterolonche)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: Introduced for biocontrol of knapweed (*Centaurea* spp.) in BC (Bourchier et al. 2002).

subfamily Coelopoetinae Hodges, 1978

tax info: Kaila (1995a)

Coelopoeta Walsingham, 1907

421861 *maiadella* Kaila, 1995 *(Coelopoeta)* R -- YT -- -- -- -- -- -- -- -- -- -- -- --

45. Family LYPUSIDAE Herrich-Schäffer, 1857

by G.R. Pohl

Lypusids are small, broad-winged moths defined as a group by characters of the genitalia and other structures. In larvae the hind tibia and tarsus are swollen.

This group was historically placed in the Tineoidea, but was moved to the Gelechioidea by Heikkilä & Kaila (2010), and given full family status by Heikkilä et al. (2014). About 150 species of lypusids are known worldwide, all from the Palaearctic. One species has been introduced to the Nearctic region, and it occurs in nNA. It was treated by Hodges (1974) within the Oecophoridae.

subfamily Chimabachinae Heinemann, 1870

***Dasystoma* Curtis, 1833**
Cheimophila of authors not Hübner, 1825

421862 *salicella* (Hübner, 1796) *(Tinea)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Superfamily ALUCITOIDEA Leach, 1815

46. Family ALUCITIDAE Leach, 1815 (many-plumed moths)
by J.-F. Landry

Alucitids are very small to small moths (wingspans from 10 to 22 mm) that have characteristic, deeply divided wing membranes: the forewing has six narrow, scale-edged feather-like plumes, and the hind wings are six- or seven-plumed. A few tropical species have wings that are only partly or hardly divided. Larvae of Alucitidae are concealed feeders that bore in flowers, buds, shoots, and fruits, or make galls.

About 215 species of Alucitidae are known worldwide, but only three species, all in the genus *Alucita*, are known in the Nearctic region. All of them occur in nNA. For many years, all Nearctic *Alucita* were considered to be *A. hexadactyla* Linnaeus, but Landry & Landry (2004) revised the Nearctic species, and recognized three valid species, none of which is the Palaearctic *A. hexadactyla*. Gielis (2003) published a world catalogue of Alucitoidea.

***Alucita* Linnaeus, 1758**

440001 *montana* Barnes & Lindsey, 1921 *(Alucita)* R AK -- -- -- BC AB SK MB ON QC -- -- -- -- --
NOTE: The names *A. hexadactyla* and *A. huebneri* have historically been applied to North American populations of *Alucita*, prior to the work of Landry & Landry (2004), but both those taxa are restricted to the Old World.
hexadactyla of authors not Linnaeus, 1758 *(Alucita)*
huebneri of authors not Wallengren, 1859 *(Alucita)*

440002 *adriendenisi* Landry & Landry, 2004 *(Alucita)* R -- -- NT -- EP AB SK P ON QC -- -- -- -- --
NOTE: This species was listed for BC by Pohl et al. (2015b) in error, based on a misidentification. However, the species likely does occur in the province.

440003 *lalannei* Landry & Landry, 2004 *(Alucita)* R -- -- -- -- -- AB SK MB ON -- -- -- -- -- --

Superfamily PTEROPHOROIDEA Latreille, 1802

47. Family PTEROPHORIDAE Latreille, 1802 (plume moths; tee moths)
by A.D. Macaulay and G.R. Pohl

Plume moths are small to medium-sized slender moths with long, narrow wings, and wingspans ranging from 15 to 30 mm. The forewing is normally notched into two to four lobes, the hind wing into three more deeply cut, feather-like plumes. The wings are rolled and held outstretched horizontally at rest, forming a T-shape with the body. Most pterophorid larvae are leaf rollers or borers in plant stems, buds, and roots.

The family Pterophoridae occurs worldwide, with about 1320 described species; 162 species are recorded in the Nearctic region, 82 of which occur in nNA, with one more expected. There has been no comprehensive taxonomic work on the family since it was revised by Barnes and Lindsey (1921). Gielis (2003) published a checklist of the world Pterophoroidea.

subfamily Pterophorinae Zeller, 1841

tribe Platyptiliini Bigot, Gibeaux, Nel & Picard, 1998

Platyptilia **Hübner, 1825**

Platyptilus Zeller, 1841

460003	*tesseradactyla* (Linnaeus, 1761) *(Phalaena)*‡	R	--	YT	--	--	BC	AB	SK	MB	ON	QC	--	--	--	NS	--
460004	*johnstoni* Lange, 1940 *(Platyptilia)*	R	AK	YT	--	--	--	--	--	--	--	--	--	--	--	--	--
460005	*carduidactylus* (Riley, 1869) *(Pterophorus)*	R	AK	--	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	cardui Zeller, 1873 *(Platyptilia)*																
	hesperis Grinnell, 1908 *(Platyptilia)*																
460006	*percnodactylus* (Walsingham, 1880) *(Platyptilus)*	R	--	--	--	--	BC	AB	--	U	--	--	--	--	--	--	--
	NOTE: The MB record by Kearfott (1905b) could not be verified.																
460007	*comstocki* Lange, 1939 *(Platyptilia)*	R	--	YT	NT	--	BC	AB	--	MB	--	QC	--	--	NB	NS	--
460008E	*williamsii* Grinnell, 1908 *(Platyptilia)*	E	--	--	--	--	--	E	--	--	--	--	--	--	--	--	--
	NOTE: Bowman's (1951) AB record is erroneous; this species is not known to occur in Canada.																
460009	*ardua* McDunnough, 1927 *(Platyptilia)*	R	--	--	P	NU	BC	--	--	--	--	--	--	--	--	--	--
460011	*albicans* (Fish, 1881) *(Platyptilus)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--

Gillmeria **Tutt, 1905**

460012	*pallidactyla* (Haworth, 1811) *(Alucita)*‡	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	adustus (Walsingham, 1880) *(Platyptilus)*																
	cervinidactylus (Packard, 1873) *(Pterophorus)*																
	marginidactylus (Fitch, 1854) *(Pterophorus)*																
	nebulaedactylus (Fitch, 1854) *(Pterophorus)*																
460013	*albertae* (Barnes & Lindsey, 1921) *(Platyptilia)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--

Anstenoptilia **Zimmerman, 1958**

460014	*marmarodactyla* (Dyar, 1902) *(Platyptilia)*	U	--	--	--	--	U	--	--	--	--	--	--	--	--	--	--
	NOTE: This western species was reported as far north as "Canada" by Matthews & Watkins (2011), as well as from CT and FL, likely transported by humans. It was reported from BC by Blackmore (1922a) and unverified BC records are known in the UBC and AGRL collections. Buckell's (1947) report of the South American taxon *Postplatyptilia fuscicornis* (Zeller) from BC refers to this species.																
	pasadenensis (Grinnell, 1908) *(Platyptilia)*																

Stenoptilodes **Zimmerman, 1958**

460017	*antirrhina* (Lange, 1939) *(Platyptilia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--

Stenoptilia **Hübner, 1825**

460020	*zophodactylus* (Duponchel, 1838) *(Pterophorus)*‡	R	--	--	--	NU	--	--	--	--	--	--	--	--	--	--	--
	NOTE: New for Canada, based on a large series of specimens in the CNC, from Axel Heiberg Island (NU).																
	semicostatus (Zeller, 1873) *(Mimeseoptilus)*																
460021	*pallistriga* Barnes & McDunnough, 1913 *(Stenoptilia)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
460022	*mengeli* Fernald, 1898 *(Stenoptilia)*	R	AK	YT	NT	NU	BC	AB	--	MB	--	QC	--	--	--	--	--
	NOTE: This species was reported from Canada and AK by Landry (1987) as *S. islandicus*, under a previous taxonomic arrangement. North American material is *S. mengeli* (Wolff 1964).																
	islandicus of authors (not Staudinger, 1857) *(Pterophorus)*																
460023	*exclamationis* (Walsingham, 1880) *(Mimeseoptilus)*	R	--	--	--	--	BC	P	SK	MB	ON	P	--	--	--	--	--
460024	*coloradensis* Fernald, 1898 *(Stenoptilia)*	R	--	YT	--	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
460025	*columbia* McDunnough, 1927 *(Stenoptilia)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
460026	*grandipuncta* McDunnough, 1939 *(Stenoptilia)*	R	--	--	NT	--	--	--	--	MB	--	--	--	--	--	--	--

Paraplatyptilia **Bigot & Picard, 1986**

460027E	*grandis* (Walsingham, 1880) *(Platyptilus)*	E	--	--	--	--	E	--	--	--	--	--	--	--	--	--	--
	NOTE: Early reports of this species from BC refer to *Platyptilia carduidactylus* (Blackmore 1922a).																
460028	*carolina* (Kearfott, 1907) *(Platyptilia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
460030	*auriga* (Barnes & Lindsey, 1921) *(Platyptilia)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
460031	*edwardsii* (Fish, 1881) *(Platyptilus)*	R	--	--	NT	--	BC	AB	--	MB	ON	QC	--	--	--	--	--

460033 *albiciliatus* (Walsingham, 1880) *(Platyptilus)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
canadensis (McDunnough, 1927) *(Platyptilia)*
orthocarpi (Walsingham, 1880) *(Platyptilus)*
rubricans (Lange, 1950) *(Platyptilia)*
460035 *albidus* (Walsingham, 1880) *(Platyptilus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
460036 *shastae* (Walsingham, 1880) *(Platyptilus)* R -- -- -- -- BC AB -- MB -- -- -- -- -- -- --
460037 *nana* (McDunnough, 1927) *(Platyptilia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
460038 *albidorsellus* (Walsingham, 1880) *(Platyptilus)* R -- -- -- -- BC AB -- U -- -- -- -- -- -- --
NOTE: The MB record by Kearfott (1905b) is vouchered in the UMB collection, but its identity has not been verified.
460039 *fragilis* (Walsingham, 1880) *(Platyptilus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
460040 *maea* (Barnes & Lindsey, 1921) *(Platyptilia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
460043 *modesta* (Walsingham, 1880) *(Platyptilus)* R -- -- -- -- E AB SK MB -- -- -- -- -- -- --
NOTE: Early reports of this grasslands species from BC refer to *Platyptilia carduidactylus* (Blackmore 1922a).
460045 *petrodactylus* (Walker, 1864) *(Pterophorus)* R AK YT NT NU -- -- -- U -- U -- -- -- -- --
NOTE: No vouchers could be found to support the MB record by Kearfott (1905b), or the QC record by Handfield et al. (1997).
460046 *atlantica* Landry & Gielis, 2008 *(Paraplatyptilia)* R -- -- -- -- -- -- -- -- -- QC -- NF -- -- --
460048P *glacialis* Gielis, 2008 *(Paraplatyptilia)* P -- -- -- -- P P -- -- -- -- -- -- -- -- --
NOTE: This species was described from Glacier County (MT), and likely occurs in adjacent Canada.

***Amblyptilia* Hübner, 1825**
Amblyptilus Wallengren, 1859

460051 *pica* (Walsingham, 1880) *(Amblyptilus)* R AK YT P -- BC AB SK MB ON QC -- -- NB NS PE
NOTE: Historical reports of the Old World species *A. cosmodactyla* and *A. punctidactyla* in NA refer to *A. pica*.
acanthodactyla of authors (not Hübner, [1813]) *(Alucita)*
calisequoiae (Lange, 1950) *(Platyptilia)*
cosmodactyla of authors (not Hübner, [1819]) *(Alucita)*
crataea (Fletcher, 1940) *(Platyptilia)*
marina (Lange, 1950) *(Platyptilia)*
monticola (Grinnell, 1908) *(Platyptilia)*
punctidactyla of authors (not Haworth, 1811) *(Alucita)*
sierrae (Lange, 1950) *(Platyptilia)*
460052 *bowmani* (McDunnough, 1923) *(Stenoptilia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

***Sphenarches* Meyrick, 1886**

460055 *ontario* (McDunnough, 1927) *(Pterophorus)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

***Cnaemidophorus* Wallengren, 1882**

460057 *rhododactyla* ([Denis & Schiffermüller], 1775) *(Alucita)*+ R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

tribe Oxyptilini Bigot, Gibeaux, Nel & Picard, 1998

***Geina* Tutt, 1907**

460062 *periscelidactylus* (Fitch, 1854) *(Pterophorus)* R -- -- -- -- E -- -- MB ON QC -- -- -- -- --
NOTE: The BC record by ESBC (1906) refers to *Amblyptilia pica* (Blackmore 1922a).
460063 *sheppardi* Landry, 1989 *(Geina)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
460064 *buscki* (McDunnough, 1933) *(Pterophorus)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
460065 *tenuidactylus* (Fitch, 1854) *(Pterophorus)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
cygnus (Barnes & Lindsey, 1921) *(Pterophorus)*
nigrociliatus (Zeller, 1873) *(Oxyptilus)*

***Capperia* Tutt, 1905**

460066 *ningoris* (Walsingham, 1880) *(Oxyptilus)* U -- -- -- -- U U -- -- -- -- -- -- -- -- --
NOTE: Historical records of this species from BC and AB could not be verified; they may refer to *C. evansi*.
bernardinus (Grinnell, 1908) *(Oxyptilus)*

460067 *evansi* (McDunnough, 1923) *(Pterophorus)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.

460068 *raptor* (Meyrick, 1908) *(Oxyptilus)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: Historical AB records of this species refer to *C. evansi*, but a recently collected specimen from Birch Mountains Wildland Park (AB) has been confirmed as *C. raptor* by ADM.

Oxyptilus Zeller, 1841

460069 *delawaricus* Zeller, 1873 *(Oxyptilus)* R -- -- -- -- BC AB -- MB ON QC -- -- -- NS --
finitimus Grinnell, 1908 *(Oxyptilus)*

Dejongia Gielis, 1993

460070 *lobidactylus* (Fitch, 1854) *(Pterophorus)* R -- YT -- -- BC AB SK MB ON QC -- NF NB NS PE

460071E *californicus* (Walsingham, 1880) *(Aciptilus)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Barnes & Lindsey (1921) believed that *D. lobidactylus* records from BC (reported by ESBC 1906) were actually this species. However, *D. californicus* is otherwise unknown from Canada so we consider Barnes & Lindsey's conclusion erroneous.

Trichoptilus Walsingham, 1880

460073 *pygmaeus* Walsingham, 1880 *(Trichoptilus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
potentellus Lange, 1940 *(Trichoptilus)*

tribe Oidaematophorini Bigot, Gibeaux, Nel & Picard, 1998

Pselnophorus Wallengren, 1881
tax info: Matthews et al. (2014)

460075E *belfragei* (Fish, 1881) *(Aciptilus)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: This species was reported from MB by Kearfott (1905b) and vouchers exist in the RSM and UMB collections. They are assumed to be incorrectly identified, as this species is otherwise known only from southern USA, as far north as NE and MD (Matthews et al. 2014).

Hellinsia Tutt, 1905

460079E *fishii* (Fernald, 1893) *(Alucita)* E -- -- -- -- E E E E E -- -- -- -- -- --
NOTE: Reports of this species in Canada by McDunnough (1923, 1927b) from BC to ON, are deemed incorrect as no Canadian vouchers are known. They may refer to *Oidaematophorus* species. Two ON specimens in the ROM had been redetermined by B. Landry as *Oidaematophorus eupatorii*.
fishi (Barnes & McDunnough, 1917) *(Pterophorus)*

460082 *gratiosus* (Fish, 1881) *(Oidaematophorus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

460083 *fieldi* (Wright, 1921) *(Pterophorus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
meyricki (Barnes & Lindsey, 1921) *(Oidaematophorus)*

460086 *albilobata* (McDunnough, 1939) *(Oidaematophorus)* R AK YT NT NU -- -- -- -- -- QC -- -- -- -- --

460087 *inquinatus* (Zeller, 1873) *(Oidaematophorus)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --

460090 *phoebus* (Barnes & Lindsey, 1921) *(Oidaematophorus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

460103 *helianthi* (Walsingham, 1880) *(Lioptilus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

460104 *homodactylus* (Walker, 1864) *(Pterophorus)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

460105 *elliottii* (Fernald, 1893) *(Alucita)* R -- -- -- -- -- AB -- MB ON QC -- -- NB NS --
elliotti (Barnes & McDunnough, 1917) *(Pterophorus)*

460106 *pectodactylus* (Staudinger, 1859) *(Pterophorus)*‡ R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
angustus (Walsingham, 1880) *(Lioptilus)*
stramineus (Walsingham, 1880) *(Lioptilus)*

460107E *paleaceus* (Zeller, 1873) *(Leioptilus)* E -- -- -- -- E -- -- E -- -- -- -- -- -- --
NOTE: The BC record, reported by ESBC (1906) and repeated by Barnes & Lindsey (1921), was declared erroneous by Blackmore (1922a); BC specimens have been corrected to *H. corvus*. Report of this species from MB by Kearfott (1905b) is not supported by vouchers and is deemed erroneous.

460112 *kellicottii* (Fish, 1881) *(Lioptilus)* R -- -- -- -- BC U SK MB ON QC -- -- NB NS PE
NOTE: The AB record by Bowman (1951) could not be verified, but the species likely occurs in the province (Pohl et al. 2012).
kellicotti (Meyrick, 1910) *(Pterophorus)*

460114 *lacteodactylus* (Chambers, 1873) *(Pterophorus)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS PE

460115 *glenni* (Cashatt, 1972) *(Oidaematophorus)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

460116 *subochraceus* (Walsingham, 1880) *(Lioptilus)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
australis (Grinnell, 1908) *(Pterophorus)*
460117 *sulphureodactylus* (Packard, 1873) *(Pterophorus)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
sulphureidactylus (Meyrick, 1910) *(Pterophorus)*
sulphureus (Walsingham, 1880) *(Lioptilus)*
460118 *costatus* (Barnes & Lindsey, 1921) *(Oidaematophorus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
460122 *corvus* (Barnes & Lindsey, 1921) *(Oidaematophorus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
460123 *perditus* (Barnes & Lindsey, 1921) *(Oidaematophorus)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
460126 *inconditus* (Walsingham, 1880) *(Lioptilus)* R -- -- -- -- BC -- SK -- -- -- -- -- -- -- --
460130 *arion* (Barnes & Lindsey, 1921) *(Oidaematophorus)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

Oidaematophorus Wallengren, 1862

460133 *occidentalis* Walsingham, 1880 *(Oidaematophorus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
californica (Grinnell, 1908) *(Stenoptilia)*
460134 *balsamorrhizae* McDunnough, 1939 *(Oidaematophorus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
460135 *cretidactylus* (Fitch, 1854) *(Pterophorus)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
gypsodactylus Walsingham, 1880 *(Oidaematophorus)*
460136 *downesi* McDunnough, 1927 *(Oidaematophorus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
460137E *guttatus* Walsingham, 1880 *(Oidaematophorus)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Reports of this species from BC and AB by McDunnough (1927b) are deemed erroneous; this species is otherwise unknown from Canada or northwestern USA.
460138 *mathewianus* (Zeller, 1874) *(Leioptilus)* R -- U -- -- BC AB SK MB ON QC -- -- -- NS --
NOTE: Report from YT by Blackmore (1922a) could not be verified, but is plausible.
gorgoniensis (Grinnell, 1908) *(Pterophorus)*
hilda (Grinnell, 1908) *(Pterophorus)*
460139 *eupatorii* (Fernald, 1891) *(Alucita)* R -- -- -- -- BC -- -- MB ON QC -- -- NB NS --
460140 *rogenhoferi* (Mann, 1871) *(Pterophorus)** R AK YT -- -- -- -- -- -- -- -- -- -- -- -- --
alaskensis Barnes & Lindsey, 1921 *(Oidaematophorus)*
460141 *phaceliae* McDunnough, 1938 *(Oidaematophorus)* R -- YT -- -- BC AB SK MB ON QC -- -- -- -- --
460142 *grisescens* Walsingham, 1880 *(Oidaematophorus)* R -- -- -- -- BC AB U -- -- -- -- -- -- -- --
NOTE: SK material in the RSM requires confirmation.
acrias (Meyrick, 1908) *(Pterophorus)*
behrii (Grinnell, 1908) *(Pterophorus)*
460143 *cineraceus* Fish, 1881 *(Oidaematophorus)* R AK -- -- -- BC -- -- MB -- -- -- -- -- -- --
lugubris Fish, 1881 *(Oidaematophorus)*
460144 *rileyi* (Fernald, 1898) *(Pterophorus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
460145 *lindseyi* McDunnough, 1923 *(Oidaematophorus)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
460146E *baroni* Fish, 1881 *(Oidaematophorus)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The report from MB by Kearfott (1905b) is deemed erroneous, as no vouchers are known, and the species is not known to occur in nNA.
460147 *castor* Barnes & Lindsey, 1921 *(Oidaematophorus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
460148 *brucei* (Fernald, 1898) *(Pterophorus)* R AK -- -- -- BC AB SK MB -- -- -- -- -- -- --
chionastes (Meyrick, 1908) *(Pterophorus)*

Emmelina Tutt, 1905

460150 *monodactyla* (Linnaeus, 1758) *(Phalaena)*‡ R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
barberi (Dyar, 1903) *(Pterophorus)*
cineridactylus (Fitch, 1854) *(Pterophorus)*
naevosidactylus (Fitch, 1854) *(Pterophorus)*
pergracilidactylus (Packard, 1873) *(Pterophorus)*
pictipennis (Grinnell, 1908) *(Pterophorus)*

Adaina Tutt, 1905

460155 *montanus* (Walsingham, 1880) *(Aciptilus)* R AK -- -- -- BC AB -- MB ON QC -- -- NB NS PE
declivis (Meyrick, 1913) *(Pterophorus)*
460156 *cinerascens* (Walsingham, 1880) *(Aciptilus)* R -- -- -- -- BC AB -- MB -- -- -- -- -- -- --

460157 *ambrosiae* (Murtfeldt, 1880) *(Oedaematophorus)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
participatus (Möschler, 1890) *(Pterophorus)*

Superfamily CARPOSINOIDEA Walsingham, 1897

48. Family COPROMORPHIDAE Meyrick, 1905

by G.R. Pohl

Copromorphids are small moths with wingspans from 12 to 20 mm. They have more-or-less rounded wing tips and are coloured for camouflage. The larvae tunnel in fruit, leaf veins, twigs, or flower inflorescences, or feed between joined leaves.

The Copromorphidae is a small, weakly defined family whose present make-up may not stand up to future taxonomic study. They are represented by about 40 species, and occur in all regions except the Palaearctic. The family is mainly Oriental and Australian. Five species are known in the Nearctic region, two of which occur in nNA.

Lotisma Busck, 1909

tax info: Heppner (1986)

480001 *trigonana* (Walsingham, 1879) *(Sciaphila)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --
durangoensis Heppner, 1986 *(Lotisma)*
kincaidiella (Busck, 1904) *(Hemerophila)*

Ellabella Busck, 1925

tax info: Heppner (1984)

480005 *editha* Busck, 1925 *(Ellabella)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

49. Family CARPOSINIDAE Walsingham, 1897 (fruitworm moths)

by G.R. Pohl and J.-F. Landry

Carposinids are very small to small moths with broad, lanceolate wings; wingspans in North American species range from 10 to 20 mm. Males frequently have raised scale tufts on the forewings. Larvae are internal feeders, in leaf and flower buds, shoots, fruits, living bark, galls, and tree wounds.

The family Carposinidae contains 283 named species, mostly in Asia and the Australo–Pacific region. Eleven species are recorded in the Nearctic region, four of which occur in nNA. Davis (1968) revised the North American species.

Carposina Herrich-Schäffer, 1855

480006 *sasakii* Matsumura, 1900 *(Carposina)** R -- -- -- -- -- AB SK MB ON QC -- -- -- NS --
NOTE: The Canadian subspecies *ottawana* may represent a valid biological species distinct from the Old World *C. sasakii* (Davis 1968). Diakonoff (1989) treated *ottawana* as a subspecies of *sasakii* instead of *C. niponensis*, after establishing that *C. sasakii* and *C. niponensis* were distinct species. The distinction between the two was further clarified by Nasu et al. (2010).

a *sasakii* Matsumura, 1900 *(Carposina)* e -- -- -- -- -- -- -- -- -- e -- -- -- -- --
niponensis of authors not Walsingham, 1900 *(Carposina)*

b *ottawana* Kearfott, 1907 *(Carposina)* r -- -- -- -- -- ab sk mb on qc -- -- -- -- --
nicholsana Forbes, 1923 *(Carposina)*

480007 *fernaldana* Busck, 1907 *(Carposina)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Bondia Newman, 1856

480010 *comonana* (Kearfott, 1907) *(Carposina)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
euryleuca (Meyrick, 1912) *(Carposina)*

480011 *crescentella* (Walsingham, 1882) *(Carposina)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.

Superfamily SCHRECKENSTEINIOIDEA Fletcher, 1929

50. Family SCHRECKENSTEINIIDAE Fletcher, 1929 (bristle-legged moths)
by G.R. Pohl

Schreckensteiniids are very small, narrow-winged moths, with wingspans usually of eight to 12 mm. Adults have stiff spines on the upper margin of the hind tibiae. Larvae are external feeders on various plants; pupation takes place in a mesh cocoon.

The family Schreckensteiniidae contains only eight species. Three species are known in the Nearctic region, all of which occur in nNA.

***Schreckensteinia* Hübner, 1825**

500001	*erythriella* (Clemens, 1860) *(Chrysocorys)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
500002	*felicella* (Walsingham, 1880) *(Chrysocorys)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
500003	*festaliella* (Hübner, [1819]) *(Tinea)**	R	AK	--	--	--	BC	AB	P	MB	ON	QC	--	NF	NB	NS	--

Superfamily EPERMENIOIDEA Spuler, 1910

51. Family EPERMENIIDAE Spuler, 1910 (fringe-tufted moths)
by G.R. Pohl and J.-F. Landry

Epermeniids are very small to small moths, with narrow, fringed wings spanning six to 20 mm. The forewings usually have one or more tufts of erect scales on the trailing margin. Known larvae begin life as concealed feeders, but feed externally in later instars.

Worldwide, 126 species occur in all regions; 12 are known from the Nearctic region, and eight of these occur in nNA. These moths are rarely encountered and poorly known. The North American members of the family were revised by Gaedike (1977), in German, with an updated key by Gaedike (2008). Gaedike (1996) published a world catalogue of the family.

subfamily Epermeniinae Spuler, 1910

tribe Epermeniini Spuler, 1910

***Epermenia* Hübner, 1825**

subgenus ***Calotripis*** Hübner, 1825

520001	*imperialella* Busck, 1906 *(Epermenia)*	R	--	--	--	--	--	E	--	U	ON	QC	--	--	--	--	--
	NOTE: The AB material previously identified as *E. imperialella* is in fact the recently described *E. falcata*. Gaedike (1977) specifically mentions *E. imperialella* material from Westbourne (MB), but the MB material was not mentioned in the *E. falcata* description (or under any other taxon) by Gaedike (2008), so that record is considered uncertain.																
520002	*falcata* Gaedike, 2008 *(Epermenia)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
520003	*canadensis* Gaedike, 2008 *(Epermenia)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
	NOTE: This species, known only from the holotype from Cypress Hills (AB), has no clear differences from *E. albapunctella* and may be conspecific with it.																
520006	*albapunctella* Busck, 1908 *(Epermenia)*	R	AK	--	NT	--	BC	P	SK	P	ON	QC	--	U	NB	NS	--
	NOTE: The report from NF by Prentice (1965) could not be verified.																
520007	*cicutaella* Kearfott, 1903 *(Epermenia)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	NB	NS	--
	alameda Braun, 1923 *(Epermenia)*																
520009	*lomatii* Gaedike, 1977 *(Epermenia)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
520010	*infracta* Braun, 1926 *(Epermenia)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
	strictelloides Gaedike, 1977 *(Epermenia)*																

subfamily Ochromolopinae Gaedike, 1966

***Ochromolopis* Hübner, 1825**

520011 *ramapoella* (Kearfott, 1903) *(Epermenia)* R -- -- -- -- BC AB SK MB ON QC -- NF -- -- --
bidentata (Braun, 1926) *(Epermenia)*
metrothetis (Meyrick, 1921) *(Epermenia)*

Superfamily URODOIDEA Kyrki, 1988

52. Family URODIDAE Kyrki, 1988 (false burnet moths)

by J.-F. Landry

Urodids are small to medium-sized moths, with wingspans from 15 to 40 mm. The front margin of the male hind wing has a pencil of hairs, and the antennae of males are lamellate. The few known larvae of the Urodidae feed on broadleaved trees.

This small family consists of 66 described species, most of which are Neotropical. Two species live in the Nearctic region; one occurs in nNA.

***Wockia* Heinemann, 1870**
tax info: Heppner (1997), Landry (1998)

540002 *asperipunctella* (Bruand, 1852) *(Anacampsis)** R -- -- -- -- BC AB P MB ON QC -- -- -- -- --

Superfamily CHOREUTOIDEA Stainton, 1858

53. Family CHOREUTIDAE Stainton, 1858 (metalmark moths)

by G.R. Pohl

The Choreutidae are very small to small moths, with wingspans of five to 20 mm. The wings are usually broad, and usually have metallic markings or contrasting patterns. The species now placed in the Choreutidae had historically been placed in various other families, and often had been incorrectly associated with the Glyphipterigidae. Choreutid larvae are mainly leaf webbers or skeletonizers, but a few species are borers in flower inflorescences. Pupae are encased in a lace-like, often double, cocoon in folded leaves.

About 400 species of Choreutidae are known worldwide. There are 33 species in the Nearctic region, 19 of which occur in nNA. The group is poorly known and in need of modern work. Rota (2011) and Rota & Wahlberg (2012) revised the higher classification of the group.

subfamily Brenthinae Clemens, 1860

***Brenthia* Clemens, 1860**

580002 *pavonacella* Clemens, 1860 *(Brenthia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Port Franks (ON) by KS.
amphicarpeoeana (Clemens, 1878) *(Microaethia)*
pavonicella Chambers, 1878 *(Brenthia)*

subfamily Choreutinae Stainton, 1858

***Anthophila* Haworth, 1811**
tax info: Heppner (2011)

580003 *plenicarinata* Heppner, 2011 *(Anthophila)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

580004 *alpinella* (Busck, 1904) *(Hemerophila)* R -- -- -- -- BC AB -- -- E E -- -- -- -- --
NOTE: All examined records of this species in QC and ON are *A. plenicarinata*, which has long been confused there with *A. alpinella*.

580005 *fabriciana* (Linnaeus, 1767) *(Phalaena)*‡ R -- -- -- -- -- E -- MB E E -- -- -- -- --
NOTE: Most historical reports of this species in NA are probably *A. alpinella*, with which it has long been confused. However, a series of specimens from Churchill (MB) was recently identified as *A. fabriciana* via DNA barcoding (Landry et al. 2013).

Prochoreutis Diakonoff & Heppner, 1980

580006 *inflatella* (Clemens, 1863) *(Brenthia)* R -- -- -- -- BC -- -- MB ON QC -- -- -- NS --
virginella (Clemens, 1864) *(Brenthia)*

580007 *sororculella* (Dyar, 1900) *(Choreutis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

580009 *extrincicella* (Dyar, 1900) *(Choreutis)* R -- -- -- -- -- -- SK -- ON QC -- -- -- -- --
extrinsecella (Meyrick, 1913) *(Choreutis)*

580010 *pernivalis* (Braun, 1921) *(Choreutis)* R -- -- -- -- BC AB SK -- -- U -- -- -- -- --
NOTE: QC records, based on specimens in LEMQ, require confirmation.

Caloreas Heppner, 1977

580012 *occidentella* (Dyar, 1900) *(Choreutis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

580014 *caliginosa* (Braun, 1921) *(Choreutis)* R -- -- -- -- -- -- -- -- -- -- LB -- -- -- --

580017 *multimarginata* (Braun, 1925) *(Choreutis)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
melanifera (Keifer, 1937) *(Choreutis)*

580018 *leucobasis* (Dyar, 1900) *(Choreutis)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --
NOTE: Western records may represent an undescribed species (Pohl et al. 2010, 2014).

Tebenna Billberg, 1820

580020 *balsamorrhizella* (Busck, 1904) *(Choreutis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

580023 *piperella* (Busck, 1904) *(Choreutis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

580025 *onustana* (Walker, 1864) *(Simaethis)* R -- -- -- -- BC AB -- -- ON QC -- NF NB NS PE
ohiensis (Zeller, 1875) *(Choreutis)*
ohioensis (Kearfott, 1902) *(Choreutis)*

580026E *carduiella* (Kearfott, 1902) *(Choreutis)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Winn (1912) is deemed erroneous; this species is otherwise restricted to southeastern USA.

Choreutis Hübner, 1825

Allononyma Busck, 1904
Hemerophila Fernald, 1900

580027 *pariana* (Clerck, 1759) *(Phalaena)*+ R AK -- -- -- BC AB SK P ON QC -- NF NB NS PE
pariava (Desmarest, 1849) *(Xylopoda)*
parina (Procter, 1946) *(Anthophila)*

580028 *diana* (Hübner, [1822]) *(Tortrix)** R AK YT NT -- BC AB SK MB ON QC -- NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
decorana (Zetterstedt, 1839) *(Coccyx)*
dianalis (Treitschke, 1835) *(Choreutes)*
luridana (Walker, 1863) *(Amphisa)*
vicarialis (Zeller, 1875) *(Simaethis)*
vicarilis (Dyar, 1900) *(Simaethis)*

580029 *betuliperda* (Dyar, 1902) *(Orchemia)* R -- -- -- -- BC -- -- -- -- QC -- -- -- E --
NOTE: The NS record by Perrin & Russell (1912), as "*Orchemia diana* var. *petuliperda* Dyar" is assumed to refer to *C. diana* rather than *C. betuliperda*. The latter is unknown in far eastern NA.

580030 *myllerana of authors* not Fabricius, 1794 *(Choreutis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
NOTE: Canadian material is an undescribed species that was placed under this Old World name by Bowman (1951) (Pohl et al. 2010).

Superfamily GALACTICOIDEA Minet, 1986

54. Family GALACTICIDAE Minet, 1986

by G.R. Pohl

Galacticids are very small moths with wingspans from 10 to 20 mm, relatively broad wings, and short maxillary palps. The larvae feed gregariously.

This recently recognized family originated in the Old World, and contains 19 species. One of these has been introduced to NA, and it occurs in nNA. The group is in need of work and its composition has not been settled. Until recently the family was placed in the Tineoidea.

Homadaula Lower, 1899

600001 *anisocentra* Meyrick, 1922 *(Homadaula)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on several specimens in the CNC.
albizziae Clarke, 1943 *(Homadaula)*
usuguronis Matsumura, 1931 *(Homadaula)*

Superfamily TORTRICOIDEA Latreille, 1802

55. Family TORTRICIDAE Latreille, 1802 (bell moths and leafroller moths)

by G.R. Pohl and J.J. Dombroskie

Tortricids are very small to medium-sized moths, with wingspans ranging from about seven to 35 mm, rarely to 60 mm. The forewings of most species are broad and usually square tipped, giving the adult a characteristic bell or shield shape when adults are at rest with the wings folded; the main exception being the diverse Eucosmini which typically has narrower wings that are tightly rolled around the body when at rest. The moths are usually cryptically coloured, but some have shiny, metallic markings. Tortricid larvae feed upon a vast array of plant families. Many species are leafrollers, but larvae of some species have other feeding habits. The family contains many agricultural and forest pests.

The family Tortricidae is a large group with about 10,400 named species. In the Nearctic region, about 1390 species are described, with 842 reported in nNA, making it the second-largest family of Lepidoptera in the region. A further eight species are expected in the region. Despite the importance of many tortricid species as pests, many groups within the family are not well known. Some major published works cover the Tortricini (Razowski 1966), Archipini (Freeman 1958), and Sparganothini and Atteriini (Powell & Brown 2012). Most of the Olethreutinae were treated by Heinrich (1923, 1926), publications that are badly out of date but have been only partially replaced by more modern comprehensive works. Other significant regional works are Miller (1987) and Gilligan et al. (2008). Brown (2005) recently published a world catalogue, which is kept up to date online (Gilligan et al. 2014).

subfamily Tortricinae Latreille, 1802

tribe Tortricini Latreille, 1802

Acleris Hübner, 1825

tax info: Razowski (1966)
Argyrotoxa Agassiz, 1848
Croesia Hübner, 1825
Peronea Curtis, 1824
Teras Treitschke, 1829

620001 *forsskaleana* (Linnaeus, 1758) *(Tortrix)*+ R -- -- -- -- BC -- -- -- ON QC -- NF -- NS PE
forskaleana of authors, [no date] *(Acleris)*
620002 *albicomana* (Clemens, 1865) *(Xanthosetia)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Historical reports of the Palaearctic species *A. bergmanniana* in NA refer to this species (Pohl et al. 2010).

bergmanniana of authors (not Linnaeus, 1758) *(Tortrix)*

620003 *semipurpurana* (Kearfott, 1905) *(Argyrotoxa)* R -- -- -- -- -- -- -- -- ON QC -- NF NB NS PE
dorsipurpurana (Kearfott, 1907) *(Tortrix)*

620004 *curvalana* (Kearfott, 1907) *(Tortrix)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS --

620005 *holmiana* (Linnaeus, 1758) *(Tortrix)*+ R -- -- -- -- BC -- -- -- -- -- -- NF -- -- --
schreberiana (Westwood & Humphreys, 1845) *(Lozotaenia)*

620006 *macdunnoughi* Obraztsov, 1963 *(Acleris)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
NOTE: The Old World name *A. latifasciata* (Haworth) (now a synonym of the European species *Syricoris aurofasciana* (Haworth)) was used by Bowman (1951) to refer to this species.

620007 *comariana* (Zeller, 1846) *(Teras)*+ R AK -- -- -- BC -- -- -- ON QC -- -- NB NS --
latifasciana (Sheldon, 1925) *(Peronea)*

620008 *caliginosana* (Walker, 1863) *(Teras)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS --

620009 *ptychogrammos* (Zeller, 1875) *(Teras)* R -- -- -- -- BC AB -- MB ON -- -- -- -- -- --

620010 *nivisellana* (Walsingham, 1879) *(Tortrix)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE

620011 *rhombana* ([Denis & Schiffermüller], 1775) *(Tortrix)*‡ R -- -- -- -- BC -- -- -- -- -- -- -- -- NS --
contaminana (Haworth, 1811) *(Tortrix)*

620012 *notana* (Donovan, [1806]) *(Tortrix)*+ R AK -- NT -- -- -- -- -- -- QC -- -- -- -- --
NOTE: Records of this species in NA may refer to *A. arcticana* (Guenée) (Karsholt et al. 2015), but they are retained here pending taxonomic clarification. The Old World name *A. ferrugana* ([Denis & Schiffermüller]) was used by Winn (1912) for this species.
tripunctana (Hübner, [1799]) *(Tortrix)*

620013 *cervinana* (Fernald, 1882) *(Teras)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
americana (Fernald, 1903) *(Teras)*

620015E *comandrana* (Fernald, 1892) *(Teras)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Handfield et al. (1997) is erroneous, corrected by Handfield (2002).

620016 *subnivana* (Walker, 1863) *(Penthina)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --
deflectana (Robinson, 1869) *(Teras)*
peculiana (Zeller, 1875) *(Teras)*

620017 *braunana* (McDunnough, 1934) *(Peronea)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS --

620018 *kearfottana* (McDunnough, 1934) *(Peronea)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

620019 *fuscana* (Barnes & Busck, 1920) *(Peronea)* R -- YT -- -- BC AB SK MB ON QC -- NF NB NS --
NOTE: Pohl et al. (2010) erroneously used the Asian name *A. obligatoria* Park & Razowski for this species

620020 *semiannula* (Robinson, 1869) *(Teras)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

620021 *stadiana* (Barnes & Busck, 1920) *(Peronea)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

620022 *implexana* (Walker, 1863) *(Sciaphila)** R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --

a *implexana* (Walker, 1863) *(Sciaphila)* r -- -- -- -- bc ab sk mb on qc -- -- nb -- --

b *ferrumixtana* (Benander, 1934) *(Acalla)*
gallicola Prentice, 1965 *(Acleris)*
gallicolana (Clemens, 1864) *(Peronea)*
heindelana (Fernald, 1905) *(Peronea)*
heindeliana (Forbes, 1923) *(Peronea)*

620023 *cornana* (McDunnough, 1933) *(Peronea)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

620024 *simpliciana* (Walsingham, 1879) *(Teras)* R -- -- -- -- -- -- -- MB ON P -- -- -- -- --

620025 *forbesana* (McDunnough, 1934) *(Peronea)* R -- -- -- -- BC AB SK MB ON QC -- NF NB -- --

620026 *negundana* (Busck, 1940) *(Peronea)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

620027 *schalleriana* (Linnaeus, 1761) *(Tortrix)** R AK -- -- -- BC AB P MB ON QC -- -- NB NS --
violaceana (Guenée, 1845) *(Teras)*

b *viburnana* (Clemens, 1860) *(Peronea)* r ak -- -- -- bc ab p mb on qc -- -- nb ns --
famula (Zeller, 1875) *(Teras)*

620028 *okanagana* (McDunnough, 1940) *(Peronea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
acanagana Razowski, 1966 *(Acleris)*

620029 *oxycoccana* (Packard, 1869) *(Tortrix)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

620030 *variegana* ([Denis & Schiffermüller], 1775) *(Tortrix)*+ R -- -- -- -- BC -- -- -- E -- E NF -- NS --
NOTE: This introduced species was reported from ON by Belton (1988) but that is thought to be erroneous as no vouchers could be located. Obraztsov (1963) reported a female specimen from LB in the USNM, and this was repeated by Razowski (1966), but that is deemed erroneous as no LB specimen could be located in the USNM in 2014.
asperana (Fabricius, 1777) *(Pyralis)*

620031 *hastiana* (Linnaeus, 1758) *(Tortrix)** R AK YT -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: The invalid varietal name "*signatana* Heyden" was listed from BC by Dyar (1904) and repeated by Anderson (1905).
pastiana (Murtfeldt, 1893) *(Teras)*
pulverosana (Walker, 1863) *(Teras)*

620032 *fragariana* Kearfott, 1904 *(Acleris)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
NOTE: Forbes' (1923) use of the Palaearctic name *A. permutana* follows a previous taxonomic arrangement.
permutana of authors (not Duponchel, 1836) *(Glyphiptera)*
620033 *celiana* (Robinson, 1869) *(Teras)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
albilineana Kearfott, 1907 *(Acleris)*
620034 *arcticana* (Guenée, 1845) *(Teras)** R AK -- -- -- BC AB SK MB ON QC -- -- -- -- --
boreana Wolff, 1964 *(Acleris)*
caryosphena (Meyrick, 1937) *(Peronea)*
walkerana (McDunnough, 1934) *(Peronea)*
620036 *robinsoniana* (Forbes, 1923) *(Peronea)*‡ R -- -- -- -- BC AB SK MB ON P -- -- NB NS PE
clemensiana (Forbes, 1923) *(Peronea)*
620037 *britannia* Kearfott, 1904 *(Acleris)* R AK -- -- -- BC AB SK -- -- -- -- -- -- -- --
620039 *chalybeana* (Fernald, 1882) *(Teras)* R -- -- -- -- -- -- U U ON QC -- -- NB NS --
NOTE: Specimens from SK (formerly in the PFRA collection, now transferred to the CNC) and MB (in the RSM) require confirmation, but it is plausible that this maple feeder could exist in those provinces.
620041 *placidana* (Robinson, 1869) *(Teras)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS --
NOTE: Historical records in NA of *A. logiana*, and its synonym *A. niveana*, refer to *A. placidana* under a previous taxonomic concept.
logiana of authors (not Clerck, 1759) *(Phalaena)*
niveana of authors (not Fabricius, 1787) *(Pyralis)*
trisignana (Robinson, 1869) *(Teras)*
620042 *senescens* (Zeller, 1874) *(Teras)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: This species was reported from western NA, east to MB by Powell & Opler (2009), but no vouchers are known east of BC, so the MB record is deemed erroneous.
620043 *flavivittana* (Clemens, 1864) *(Peronea)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
perspicuana (Robinson, 1869) *(Teras)*
620044 *maculidorsana* (Clemens, 1864) *(Cnephasia)* R -- -- -- -- BC AB -- MB ON QC -- -- NB NS --
hypericana (Ely, 1910) *(Peronea)*
620045 *clarkei* Obraztsov, 1963 *(Acleris)* R -- -- -- -- -- AB -- MB ON QC -- -- NB NS --
620046 *minuta* (Robinson, 1869) *(Tortrix)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --
cinderella (Riley, 1872) *(Tortrix)*
malivorana (LeBaron, 1871) *(Tortrix)*
vacciniivorana (Packard, 1870) *(Tortrix)*
variolana (Zeller, 1875) *(Teras)*
620047 *paracinderella* Powell, 1964 *(Acleris)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
620048 *gloveranus* (Walsingham, 1879) *(Lophoderus)* R AK YT -- -- BC AB -- -- -- -- -- -- -- -- --
620049 *variana* (Fernald, 1886) *(Teras)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
angusana (Fernald, 1892) *(Peronea)*
620050 *maccana* (Treitschke, 1835) *(Teras)** R AK YT NT -- BC AB SK MB ON QC -- NF NB NS --
fishiana (Fernald, 1882) *(Teras)*
suffusana (Sheldon, 1930) *(Peronea)*
620051 *youngana* (McDunnough, 1934) *(Peronea)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
620052 *inana* (Robinson, 1869) *(Teras)* R -- -- -- -- BC AB -- MB ON QC -- -- -- NS --
NOTE: Historical reports of the Old World species *A. lipsiana* in NA refer in part to this species.
lipsiana of authors (not [Denis & Schiffermüller], 1775) *(Tortrix)*
620053 *scabrana* ([Denis & Schiffermüller], 1775) *(Tortrix)** R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
psorana (Frölich, 1828) *(Tortrix)*
620054 *bowmanana* (McDunnough, 1934) *(Peronea)* R AK -- -- -- BC AB SK MB ON QC -- -- NB NS PE
620055 *aenigmana* Powell, 1964 *(Acleris)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620056 *nigrolinea* (Robinson, 1869) *(Teras)* R AK YT -- -- BC AB SK MB ON QC -- -- NB NS --
disputabilis Obraztsov, 1963 *(Acleris)*
ferruginiguttana (Fernald, 1882) *(Teras)*
620057 *maximana* (Barnes & Busck, 1920) *(Peronea)* R AK YT -- -- BC AB SK MB ON QC -- -- NB NS --
620058 *busckana* (McDunnough, 1934) *(Peronea)* R -- YT -- -- -- -- SK MB ON QC -- -- NB NS PE
620059 *effractana* (Hübner, 1822) *(Pyralis)** R AK YT NT -- BC AB SK MB ON QC -- NF NB NS --
NOTE: The Palaearctic name *A. emargana* has been applied to Nearctic material for at least the last century, but all North American populations have recently been recognized as a distinct species, *A. effractana* (Karsholt et al. 2005).
blackmorei Obraztsov, 1963 *(Acleris)*
caudana (Fabricius, 1775) *(Pyralis)*
emargana of authors (not Fabricius, 1775) *(Tortrix)*

620060 *foliana* (Walsingham, 1879) *(Teras)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

620061 *hudsoniana* (Walker, 1863) *(Teras)* R AK YT -- -- BC AB SK MB ON QC -- NF U NS --
NOTE: The NB record by Lafontaine et al. (2001) could not be verified.

brewsteriana (Robinson, 1869) *(Teras)*

620063 *capizziana* Obraztsov, 1963 *(Acleris)* R AK -- -- -- -- -- -- -- -- -- -- -- -- --

tribe Cnephasiini Stainton, [1858]

Cnephasia Curtis, 1828
tax info: Mutuura (1982)

620065 *longana* (Haworth, 1811) *(Tortrix)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- PE

620066 *asseclana* [Denis & Schiffermüller], 1775 *(Cnephasia)*+ R -- -- -- -- E -- -- -- ON QC -- NF NB NS PE
NOTE: The BC record by Smith (1994) (as *C. interjectana*, a synonym) is erroneous; this introduced species has only been found in eastern NA.

interjectana (Haworth, 1811) *(Tortrix)*

oleraceana (Gibson, 1916) *(Tortrix)*

virgaureana (Treitschke, 1835) *(Sciaphila)*

620067 *stephensiana* (Doubleday, 1849) *(Sciaphila)*+ R -- -- -- -- BC P -- -- ON QC -- NF NB NS PE
NOTE: An old AB record in the NSPM is doubtful, but this species is moving east in BC and has been found within 50km of the AB border. Therefore it is listed as probable for AB.

Eana Billberg, 1820
tax info: Obraztsov (1962)

620068 *argentana* (Clerck, 1759) *(Phalaena)** R AK YT NT -- BC AB SK MB -- E -- -- -- E --
NOTE: As far as is known, this holarctic species is restricted in NA to the West, only as far east as MB. Records from eastern Canada by Forbes (1923) and others refer to other species of *Eana*.

620069 *georgiella* (Hulst, 1887) *(Myelois)* U -- -- -- -- U -- -- -- -- E -- -- -- -- --
NOTE: This species was reported from BC by Cannings & Scudder (2007), and repeated as an uncertain record by Pohl et al. (2015b). It was also reported to occur in "southwestern Canada" by Pogue & Lavigne (1981). It was reported from QC by Handfield et al. (1997) but then revised to an erroneous record by Handfield (2002). The status of this taxon as a biological species is uncertain.

subargentana Obraztsov, 1963 *(Eana)*

620070 *osseana* (Scopoli, 1763) *(Phalaena)** R AK YT -- -- BC AB -- MB -- EP LB -- -- -- --
NOTE: The subspecies *niveosana* applies to all North American populations, and may warrant status as a full species separate from Old World *E. osseana*.

b *niveosana* (Packard, 1866) *(Phalaena)* r ak yt -- -- bc ab -- mb -- ep lb -- -- -- --

620071 *idahoensis* Obraztsov, 1963 *(Eana)* R AK YT -- -- BC AB SK -- -- -- -- NF -- NS --
NOTE: Most material previously identified as *E. osseana* is in fact this species. Distribution records here are based primarily on BOLD data. Some western populations show a genetic divergence of 1.3%, based on BOLD data, but they are retained here pending further study.

Decodes Obraztsov, 1961
tax info: Powell (1980)

620072 *basiplagana* (Walsingham, 1879) *(Sciaphila)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

620073 *fragariana* (Busck, 1919) *(Tortricodes)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --

elapsa (Meyrick, 1922) *([none])*

620084 *horariana* (Walsingham, 1879) *(Sciaphila)* R E -- NT -- BC AB SK U ON U -- U -- -- --
NOTE: The report of this species in AK by Ferris et al. (2012) is based on misidentified material in the CNC. The reports of this species from MB and QC could not be verified. As well, material from NF in the ACSJ collection requires verification.

620085 *macdunnoughi* Powell, 1980 *(Decodes)* R -- -- NT -- BC AB SK MB ON QC -- -- -- -- --

tribe Cochylini Guenée, 1845

subtribe Cochylina Guenée, 1845

Aethes Billberg, 1820

Phalonia Hübner, 1825

620089 *angulatana* (Robinson, 1869) *(Conchylis)* R -- -- -- -- -- E E MB ON QC -- -- -- NS --
NOTE: Historical records of *A. angulatana* in western NA refer to *A. sexdentata*; the former is known to occur only as far west as MB.

620090 *angustana* (Clemens, 1860) *(Lozopera?)* R -- -- -- -- U -- -- U ON QC -- -- NB NS --
NOTE: The MB record by Kearfott (1905b) and the BC record by Buckell (1947) are unvouchered.
augustana (Hodges, 1983) *(Conchylis)*
dorsimaculana (Robinson, 1869) *(Conchylis)*

620091 *argentilimitana* (Robinson, 1869) *(Conchylis)* R -- -- -- -- -- -- -- E ON QC -- -- NB NS --
NOTE: According to Sabourin et al. (2002), Razowski's MB record refers to *A. interruptofasciata*.
labeculana (Robinson, 1869) *(Conchylis)*

620092 *atomosana* (Busck, 1907) *(Phalonia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

620093 *baloghi* Sabourin & Metzler, 2002 *(Aethes)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada based on CNC and BOLD material.

620094 *biscana* (Kearfott, 1907) *(Phalonia)* R -- -- -- -- BC AB -- MB ON QC -- -- NB NS PE
giscana (Kearfott, 1907) *(Phalonia)*
ixeuta (Meyrick, 1912) *(Phalonia)*

620095 *bomonana* (Kearfott, 1907) *(Phalonia)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: New for Canada, confirmed by JJD.
cyamitis (Meyrick, 1912) *(Conchylis)*
cyanitis Razowski, 2000 *(Aethes)*
fabicola (Meyrick, 1912) *(Phalonia)*
ziscana (Kearfott, 1907) *(Phalonia)*

620096 *deutschiana* (Zetterstedt, 1840) *(Tortrix)** R AK YT NT -- BC AB SK MB ON QC LB NF -- -- --
chalcana (Packard, 1866) *(Conchylis)*
fuscostriana Razowski, 1997 *(Aethes)*
fuscostrigana (Clemens, 1864) *(Lozopera)*

620098 *floccosana* (Walker, 1863) *(Conchylis)* R -- -- -- -- -- -- -- -- ON P -- -- -- NS --
confusana (Robinson, 1869) *(Tortrix)*
flaccosana (Powell, 1983) *(incerta sedis)*

620099 *heleniana* Razowski, 1997 *(Aethes)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --

620101 *interruptofasciata* (Robinson, 1869) *(Conchylis)* R -- -- -- -- -- -- -- MB ON U -- -- U NS E
NOTE: This species was confused with *A. argentilimitata* by Razowski (1997). Records by Lafontaine et al. (2001) from NB and QC are considered unverified, and the PE record therein is a database error.
aureana (Busck, 1907) *(Phalonia)*
sublepidana (Kearfott, 1907) *(Phalonia)*

620102E *kindermanniana* (Treitschke, 1830) *(Cochylis)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: This European species was reported from QC by Handfield et al. (2002), on the basis of material in the CNC, but it was excluded from the North American fauna by Metzler & Brown (2014). The QC specimens are of unknown identity but are definitely not *A. kindermanniana* (GRP, *in litt.*).

620104 *matheri* Sabourin & Miller, 2002 *(Aethes)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on BOLD specimens that have been dissected and confirmed by JFL.

620106 *monera* Razowski, 1986 *(Aethes)* R -- -- -- -- BC AB SK -- -- QC -- -- -- -- --
b *septentrionalis* Razowski, 1997 *(Aethes)* r -- -- -- -- bc ab sk -- -- qc -- -- -- -- --

620107 *mymara* Razowski, 1997 *(Aethes)* R -- -- -- -- -- AB SK -- ON -- -- -- -- -- --

620108E *obliquana* (Kearfott, 1907) *(Phalonia)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: MB material mentioned in the type series by Kearfott (1907) is likely a misidentification; this species is not otherwise known northwest of MI.

620110 *promptana* (Robinson, 1869) *(Conchylis)* R -- -- -- -- BC AB SK MB ON QC -- -- U NS --
NOTE: Historical treatment of this species, including that of Razowski (1997) is confused with *A. razowskii* (Sabourin et al. 2002). The NB record by Lafontaine et al. (2001) could not be verified.

620112 *razowskii* Sabourin & Miller, 2002 *(Aethes)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --

620113 *rutilana* (Hübner, 1818) *(Tortrix)*‡ R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
b *canadiana* Razowski, 1997 *(Aethes)* r -- -- -- -- bc ab sk mb on qc -- -- nb ns --

620115 *sexdentata* Sabourin & Miller, 2002 *(Aethes)* R AK -- -- -- -- AB SK -- ON QC -- -- -- NS --

620116 *smeathmanniana* (Fabricius, 1781) *(Pyralis)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.
scissana (Walker, 1863) *(Conchylis)*

620118 *spartinana* (Barnes & McDunnough, 1916) *(Phalonia)* R -- -- -- -- -- -- -- MB -- P -- -- -- NS --

Agapeta Hübner, 1822

620122 *zoegana* (Linnaeus, 1767) *(Tortrix)*+ R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: Introduced from Europe to control knapweed (*Centaurea* spp.) (Kelleher & Hulme 1984).

Cochylidia Obraztsov, 1956

620123 *subroseana* (Haworth, 1811) *(Tortrix)** R -- -- -- -- -- AB -- -- ON P -- -- -- -- --

Cochylis Treitschke, 1830

Conchylis Sodoffsky, 1837

620124 *arthuri* Dang, 1984 *(Cochylis)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
620125 *atricapitana* (Stephens, 1852) *(Eupoecilia)+* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620126 *aurorana* (Kearfott, 1907) *(Phalonia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
620127 *avita* Razowski, 1997 *(Cochylis)* R -- -- -- -- -- -- SK -- ON QC -- -- -- -- --
620128 *bucera* Razowski, 1997 *(Cochylis)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --
620130 *caulocatax* Razowski, 1984 *(Cochylis)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
620131 *dormitoria* Razowski, 1997 *(Cochylis)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
620132 *dubitana* (Hübner, 1799) *(Tortrix)** R -- -- -- -- BC AB -- -- ON QC -- -- -- NS --
620134 *hoffmanana* (Kearfott, 1907) *(Phalonia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
baryzela (Meyrick, 1912) *(Phalonia)*
hofmanana Razowski, 1997 *(Cochylis)*
magnaedoeagana Gibeaux, 1985 *(Cochylis)*
marloffiana (Busck, 1907) *(Phalonia)*
nonlavana (Kearfott, 1907) *(Phalonia)*
telifera (Meyrick, 1912) *(Phalonia)*
toxcana (Kearfott, 1907) *(Phalonia)*
zoxcana (Kearfott, 1907) *(Phalonia)*
620135 *hospes* (Walsingham, 1884) *(Conchylis)* R -- -- -- -- -- AB SK MB ON QC -- -- -- NS PE
620138 *temerana* (Busck, 1907) *(Phalonia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB U --
NOTE: The NS record by Wright (1989) is an uncertain determination.
cincinnatana (Kearfott, 1907) *(Phalonia)*
620140 *viscana* (Kearfott, 1907) *(Phalonia)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on several BOLD specimens.
peganitis (Meyrick, 1912) *(Phalonia)*

Gynnidomorpha Turner, 1916

620155 *romonana* (Kearfott, 1908) *(Phalonia)* R -- -- -- -- -- -- -- MB ON QC LB -- NB NS --
officiosa (Meyrick, 1912) *(Phalonia)*

Henricus Busck, 1943

tax info: Razowski (1984, 1991)

Heinrichia Busck, 1940

620158 *contrastana* (Kearfott, 1907) *(Commophila)* R -- -- -- -- BC -- -- -- ON -- -- -- -- -- --
edwardsiana (Walsingham, 1884) *(Conchylis)*
620159 *fuscodorsana* (Kearfott, 1904) *(Commophila)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620160 *infernalis* (Heinrich, 1920) *(Commophila)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
brevipalpata McDunnough, 1944 *(Henricus)*

Phalonidia LeMarchand, 1933

Platphalonidia Razowski, 1985

620167 *felix* (Walsingham, 1895) *(Phalonia)* R -- -- -- -- E AB SK P ON QC -- -- -- -- --
NOTE: The BC record by Cannings & Scudder (2007) is erroneous (Pohl et al. 2015b).
620169 *lepidana* (Clemens, 1860) *(Argyrolepia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
plummeriana (Busck, 1907) *(Phalonia)*
schwarziana (Busck, 1907) *(Phalonia)*
zaracana (Kearfott, 1907) *(Phalonia)*
620170 *memoranda* Razowski, 1997 *(Phalonidia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
620171 *ontariana* Razowski, 1997 *(Phalonidia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
620172 *straminoides* (Grote, 1873) *(Conchylis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: This species was recently recognized as distinct from *P. lepidana*. It was reported from ON by Prentice (1965) and from QC by Handfield et al. (1997).

***Phtheochroa* Stephens, 1829**
Hysterosia Stephens, 1852

620174	*aegrana* (Walsingham, 1879) *(Idiographis)*	R	--	YT	--	--	BC	AB	--	MB	--	--	--	--	--	--	--	
620175	*aureoalbida* (Walsingham, 1895) *(Hysterosia)*	R	--	--	--	--	BC	AB	SK	--	ON	P	--	--	--	--	--	
620176	*baracana* (Busck, 1907) *(Hysterosia)*	R	--	--	--	--	BC	AB	P	U	ON	QC	--	--	--	NS	--	
	NOTE: The MB record by Forbes (1923) could not be verified.																	
	tiscana (Kearfott, 1907) *(Hysterosia)*																	
	vigilans (Meyrick, 1912) *(Hysterosia)*																	
620178	*canariana* (Barnes & Busck, 1920) *(Hysterosia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
620179	*cartwrightana* (Kearfott, 1907) *(Hysterosia)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	NS	--	
	pecosana Kearfott, 1907 *(Phtheochroa)*																	
620180	*fulviplicana* (Walsingham, 1879) *(Idiographis)*	R	AK	YT	--	--	BC	AB	SK	--	--	QC	--	--	--	--	--	
	fermentata (Meyrick, 1912) *(Hysterosia)*																	
	homanana (Kearfott, 1907) *(Hysterosia)*																	
	komonana (Kearfott, 1907) *(Hysterosia)*																	
	refuga (Meyrick, 1912) *(Hysterosia)*																	
620182E	*inopiana* (Haworth, 1811) *(Tortrix)*	E	--	--	--	--	--	--	--	E	--	E	--	--	--	--	--	
	NOTE: This species does not occur in NA. Historical reports from Canada refer to some other species not described at that time.																	
620183	*modestana* (Busck, 1907) *(Hysterosia)*	U	--	--	--	--	--	U	U	U	U	U	--	--	--	--	--	
	NOTE: Canadian records are not identified with certainty; they share a DNA barcode with *P. waracana* and may refer to that species.																	
620185	*riscana* (Kearfott, 1907) *(Hysterosia)*	R	--	--	--	--	BC	U	--	MB	ON	QC	--	NF	NB	NS	PE	
	NOTE: A female from AB is the sole record for the province and is not identified with certainty.																	
	vincta (Meyrick, 1912) *(Hysterosia)*																	
620186	*terminana* (Busck, 1907) *(Hysterosia)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	--	--	
	merrickana (Kearfott, 1907) *(Hysterosia)*																	
620187	*villana* (Busck, 1907) *(Hysterosia)*	R	--	--	--	--	U	U	--	U	--	--	--	--	--	NS	--	
	NOTE: All western Canadian records require confirmation.																	
620188	*vitellinana* (Zeller, 1875) *(Conchylis)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE	
620189	*vulneratana* (Zetterstedt, 1839) *(Tortrix)**	R	AK	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	
620190	*waracana* (Kearfott, 1907) *(Hysterosia)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--	
	dicax (Meyrick, 1912) *(Hysterosia)*																	

***Platphalonia* Razowski, 2011**

620191	*albertae* (Razowski, 1997) *(Platphalonidia)*	R	--	--	--	--	--	AB	--	MB	--	--	--	--	--	--	--	
620193	*dangi* (Razowski, 1997) *(Platphalonidia)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--	
620194	*lavana* (Busck, 1907) *(Phalonia)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	U	--	
	NOTE: Report from NS by Forbes (1923) could not be verified.																	

***Rolandylis* Gibeaux, 1985**
tax info: Pogue (2001)
Clothoa Pogue, 1990

620198	*maiana* (Kearfott, 1907) *(Phalonia)*‡	R	--	--	--	--	--	--	--	--	U	P	--	--	--	NS	--	
	NOTE: The BOLD record from ON could not be identified with certainty.																	

***Thyraylia* Walsingham, 1897**
Thyralia Walsingham, 1914

620207	*bunteana* (Robinson, 1869) *(Conchylis)*	R	--	--	--	--	BC	--	--	MB	ON	P	--	--	--	--	--	
620208	*discana* (Kearfott, 1907) *(Phalonia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
	cricota (Meyrick, 1912) *(Phalonia)*																	
620210	*hollandana* (Kearfott, 1907) *(Phalonia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
	NOTE: New for Canada, based on several BOLD specimens, confirmed by D. Handfield and JFL.																	
620211	*nana* (Haworth, 1811) *(Tortrix)**	R	AK	--	--	--	BC	AB	SK	P	ON	QC	--	--	NB	NS	E	
	NOTE: The PE record by Lafontaine et al. (2001) is a database error.																	
	albidana (Walker, 1866) *(Simaethis)*																	
	ochreoalbana (Walker, 1863) *(Penthina)*																	
	winniana (Kearfott, 1905) *(Phalonia)*																	

620212 *voxcana* (Kearfott, 1907) *(Phalonia)* R -- -- -- -- BC U U MB ON QC -- -- -- NS --
NOTE: AB and SK material in NFRC requires verification.
omphacitis (Meyrick, 1912) *(Phalonia)*

Cochylina - No Genus

620213 *oenotherana* (Riley, 1881) *(Conchylis)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
620219 *wiscana* (Kearfott, 1907) *(Phalonia)* R -- -- -- -- -- -- SK -- -- -- -- -- -- -- --
acropeda (Meyrick, 1912) *(Phalonia)*
620225 *imitabilis* (Razowski, 1997) *(Platphalonidia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- --

subtribe Euliina Kuznetzov & Stekolnikov, 1977

***Eulia* Hübner, 1825**

620227 *ministrana* (Linnaeus, 1758) *(Tortrix)** R AK YT NT NU BC AB SK MB ON QC LB NF NB NS P
subfasciana Stephens, 1834 *(Eulia)*

***Anopina* Obraztsov, 1962**
tax info: Brown & Powell (2000)

triangulana group Brown & Powell, 2000

620234 *ednana* (Kearfott, 1907) *(Tortrix)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
620236 *arizonana* (Walsingham, 1884) *(Sciaphila)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --

silvertonana group Brown & Powell, 2000

620238 *silvertonana* Obraztsov, 1962 *(Anopina)* R -- -- -- -- -- AB -- -- -- -- -- -- -- --
NOTE: New for Canada, based on a series of BOLD specimens from Waterton Lakes National Park (AB).

***Apotomops* Powell & Obraztsov, 1986**

620241 *wellingtoniana* (Kearfott, 1907) *(Olethreutes)* R -- -- -- -- BC AB SK -- ON QC -- NF P NS --
wellingtonana Powell, 1986 *(Apotomops)*

tribe Archipini Pierce & Metcalfe, 1922

***Pandemis* Hübner, 1825**
tax info: Freeman (1958)
Archepandemis Mutuura, 1978

620246 *cerasana* (Hübner, 1786) *(Tortrix)*+ R -- -- -- -- BC -- -- -- -- -- -- NF -- -- --
620247 *heparana* ([Denis & Schiffermüller], 1775) *(Tortrix)*+
R -- -- -- -- BC -- -- -- ON -- -- NF -- -- --
620248 *lamprosana* (Robinson, 1869) *(Tortrix)* R -- -- -- -- U -- -- MB ON QC -- -- NB NS --
NOTE: This species was reported from Enderby (BC) by Prentice (1965) and that record was repeated by later authors, but no verified records are known west of MB. A voucher in the PFC requires verification.
620249 *limitata* (Robinson, 1869) *(Tortrix)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
limitana Forbes, 1923 *(Pandemis)*
620250 *canadana* Kearfott, 1905 *(Pandemis)* R -- U NT -- BC AB SK MB ON QC -- NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there. The YT record is based on a photograph posted to the BugGuide website by J. Jantunen.
620251 *pyrusana* Kearfott, 1907 *(Pandemis)* R -- -- -- -- BC AB E E -- -- -- -- -- -- --
NOTE: The SK and MB records by Freeman (1958) are erroneous; no specimens are known east of Waterton Lakes National Park (AB).
pyrana Meyrick, 1912 *(Pandemis)*
620252 *borealis* (Freeman, 1965) *(Parapandemis)* R -- -- -- -- -- E -- -- ON QC -- -- NB -- --
NOTE: This species was erroneously reported from AB by Freeman (1965) based on misidentified material; it is restricted to eastern Canada only as far west as ON (Mutuura 1978).
620253 *coniferana* (Mutuura, 1978) *(Archepandemis)* R AK -- -- -- BC AB -- -- -- -- -- -- -- --
620254 *morrisana* (Mutuura, 1978) *(Archepandemis)* R -- -- -- -- -- -- -- -- -- P -- -- NB -- --

Argyrotaenia Stephens, 1852
tax info: Freeman (1958)

620255 *velutinana* (Walker, 1863) *(Cacoecia)* R E -- -- -- E E E MB ON QC -- NF NB NS U
NOTE: Records west of MB are erroneous, with most referring to *A. repertana*. The PE record by Prentice (1965) could not be verified.
incertana (Clemens, 1865) *(Tortrix)*
lutosana (Clemens, 1865) *(Tortrix)*
triferana (Walker, 1863) *(Cacoecia)*

620260 *repertana* Freeman, 1944 *(Argyrotaenia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --

620261 *pinatubana* (Kearfott, 1905) *(Eulia)* R -- -- -- -- E E E MB ON QC -- NF NB NS --
NOTE: All Canadian records west of MB are deemed erroneous, based on misidentifications.
piritubana (Meyrick, 1913) *(Eulia)*

620262 *tabulana* Freeman, 1944 *(Argyrotaenia)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS --

620264 *gogana* (Kearfott, 1907) *(Olethreutes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
crepuscularis (Meyrick, 1912) *(Olethreutes)*

620266 *occultana* Freeman, 1942 *(Argyrotaenia)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS --
NOTE: The Palaearctic species *A. ljungiana* (Thunberg) was reported from BC by ESBC (1906) as "*Eulia politana* Haworth", a synonym. It is assumed to refer to the very similar *A. occultana*, which had not been described at the time.

620268 *provana* (Kearfott, 1907) *(Olethreutes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
invidana (Barnes & Busck, 1920) *(Tortrix)*

620270 *franciscana* (Walsingham, 1879) *(Tortrix)* R -- -- -- -- BC H -- H -- -- -- -- -- -- --
NOTE: This species cannot survive in natural settings outside the BC Lower Mainland.
a *franciscana* (Walsingham, 1879) *(Tortrix)* r -- -- -- -- bc h -- h -- -- -- -- -- -- --
citrana (Fernald, 1889) *(Tortrix)*
kearfotti Obraztsov, 1961 *(Argyrotaenia)*
b *insulana* Powell, 1964 *(Argyrotaenia)*

620277 *dorsalana* (Dyar, 1903) *(Tortrix)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
dimorphana (Barnes & Busck, 1920) *(Tortrix)*

620278E *lautana* Powell, 1960 *(Argyrotaenia)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The listing of this species as "probable" from QC by Handfield et al. (1997) was mistaken, corrected by Handfield (2002). It is restricted to CA (Powell 1964).

620280 *quadrifasciana* (Fernald, 1882) *(Lophoderus)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE

620281 *juglandana* (Fernald, 1879) *(Tortrix)* R -- -- -- -- -- -- -- -- ON QC -- -- NB U U
NOTE: Material from NS and PE in the AFC collection requires verification; the host plant, walnut (*Juglans* spp.), does not naturally occur in those provinces.

620282 *quercifoliana* (Fitch, 1858) *(Argyrolepia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
trifurculana (Zeller, 1875) *(Tortrix)*

620283 *alisellana* (Robinson, 1869) *(Tortrix)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

620284 *mariana* (Fernald, 1882) *(Lophoderus)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --

Diedra Rubinoff & Powell, 1999
tax info: Rubinoff & Powell (1999)

620291 *cockerellana* (Kearfott, 1907) *(Tortrix)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --

Choristoneura Lederer, 1859
tax info: Freeman (1958)
Cudonigera Obraztsov & Powell, 1977

620296 *obsoletana* (Walker, 1863) *(Tortrix)* U -- -- -- -- -- -- U U U U -- -- U U --
NOTE: This species has not been confirmed in Canada. It has been widely reported in eastern Canada from MB to NS, beginning with Freeman (1958), It was also reported from SK by Belton (1988), from damaged strawberry (*Fragaria* spp.) fields in the 1930s.
sanbornana (Robinson, 1869) *(Tortrix)*
seminolana (Kearfott, 1907) *(Tortrix)*
transiturana (Walker, 1863) *(Cacoecia)*
vesperana (Clemens, 1865) *(Lozotaenia)*

620297 *fractivittana* (Clemens, 1865) *(Lozotaenia)* R U -- -- -- U U U MB ON QC -- -- NB NS --
NOTE: Western records require verification.
fumosa (Robinson, 1869) *(Tortrix)*

620298 *parallela* (Robinson, 1869) *(Tortrix)* R -- -- -- -- -- -- -- U ON U -- -- U U --
NOTE: The only confirmed Canadian records of this species are in ON. Old QC specimens in LEMQ have been redetermined as *Archips purpurana*.

620299 *zapulata* (Robinson, 1869) *(Tortrix)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
symphoricarpana (Kearfott, 1905) *(Tortrix)*

620300 *rosaceana* (Harris, 1841) *(Loxotaenia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
gossypiana (Packard, 1869) *(Tortrix)*
vicariana (Walker, 1863) *(Teras)*

620301 *albaniana* (Walker, 1863) *(Teras)** R AK YT NT NU BC AB P MB ON QC LB NF NB -- --
arcticana (Möschler, 1874) *(Tortrix)*
kukakana (Kearfott, 1907) *(Tortrix)*
lapponana (Tengström, 1869) *(Tortrix)*

620302 *conflictana* (Walker, 1863) *(Tortrix)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE

620303 *fumiferana* (Clemens, 1865) *(Tortrix)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
nigrida (Beutenmüller, 1892) *(Tortrix)*
nigridia (Robinson, 1869) *(Tortrix)*

620305 *occidentalis* Freeman, 1967 *(Choristoneura)* R AK YT NT -- BC AB -- -- -- -- -- -- -- -- --
NOTE: This is the Western Spruce Budworm, referrred to in some recent literature as *C. freemani*, a replacement name proposed by Razowski (2008) due to homonymy of *occidentalis* with an African species, *C. occidentalis* (Walsingham, 1891). However, Brunet et al. (2017) have removed the African *occidentalis* from *Choristoneura*, rendering *C. occidentalis* Freeman, 1967 available again as the name for the North American species. The subspecies *biennis*, known as the Two-year Cycle Budworm, was relegated to subspecies status of *C. occidentalis* by Brunet et al. (2017).

a *occidentalis* Freeman, 1967 *(Choristoneura)* r -- -- nt -- bc ab -- -- -- -- -- -- -- --
freemani Razowski, 2008 *(Choristoneura)*

b *biennis* Freeman, 1967 *(Choristoneura)* r ak yt -- -- bc ab -- -- -- -- -- -- -- --

620307 *orae* Freeman, 1967 *(Choristoneura)* R AK YT -- -- BC -- -- -- -- -- -- -- -- --

620308 *pinus* Freeman, 1953 *(Choristoneura)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

a *pinus* Freeman, 1953 *(Choristoneura)* r -- -- -- -- bc ab sk mb on qc -- -- nb ns --

b *maritima* Freeman, 1967 *(Choristoneura)*

620309 *lambertiana* (Busck, 1915) *(Tortrix)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --

a *lambertiana* (Busck, 1915) *(Tortrix)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --

b *ponderosana* Obraztsov, 1962 *(Choristoneura)*

c *subretiniana* Obraztsov, 1962 *(Choristoneura)*

***Archips* Hübner, 1822**

tax info: Freeman (1958)

Archippus Freeman, 1958
Cacoecia Hübner, [1825]

packardiana group Kruse & Sperling, 2002

620314 *packardiana* (Fernald, 1886) *(Tortrix)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE

620315 *strianus* Fernald, 1905 *(Archips)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

620316 *alberta* (McDunnough, 1923) *(Tortrix)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE

620317 *dissitana* (Grote, 1879) *(Tortrix)* R -- -- -- -- U E -- MB ON QC -- NF NB NS --
NOTE: The AB record by Pohl et al. (2010) was based on a record in the USNM, but that could not be found in 2015, so it is deemed erroneous. The BC record by deWaard (2010) is unverified.

620318 *tsuganus* (Powell, 1962) *(Archippus)* R AK -- -- -- BC AB -- -- -- E -- -- -- -- --
NOTE: The report of this species from QC by Handfield et al. (1997) was corrected by Handfield (2002); this species is restricted to western NA.

asiatica group Kruse & Sperling, 2002

620319 *oporana* (Linnaeus, 1758) *(Tortrix)*+ U -- -- -- -- U -- -- -- U -- -- -- -- -- --
NOTE: This Eurasian species was reported from Vancouver (BC) and Font Hill (ON) by Freeman (1958). Despite extensive searching, those specimens could not be located by JJD for verification. Additional FIDS specimens in the PFC collection, taken at Hope (BC) in 1959 are questionable and require verification. If this species ever occurred in Canada, it likely did not become established.

xylosteana group Kruse & Sperling, 2002

620339 *xylosteana* (Linnaeus, 1758) *(Tortrix)*+ R -- -- -- -- -- -- -- -- -- -- -- NF -- -- --

620320 *rosana* (Linnaeus, 1758) *(Tortrix)*+ R AK -- -- -- BC AB -- -- ON QC -- NF NB NS PE
ameriana (Linnaeus, 1758) *(Tortrix)*
americana (Gmelin, 1788) *([none])*
amerina (Linnaeus, 1761) *(Tortrix)*
hewittana (Busck, 1920) *(Cacoecia)*

620321 *podana* (Scopoli, 1763) *(Phalaena)*+ R -- -- -- -- BC -- -- -- E -- -- -- -- -- --
NOTE: This introduced pest is established in Canada only in the Lower Mainland of BC. A record from a nursery in Toronto (ON) reported by Belton (1988) is erroneous and appears to incorrectly reference the Freeman (1958) report of *A. oporana* there.

620322P *fuscocupreana* Walsingham, 1900 *(Archips)*+ P -- -- -- -- P -- -- -- -- P -- -- -- -- --
NOTE: This recently introduced species is present in WA, CT, MA, NY and is spreading rapidly, so it will likely be found soon in BC and QC (Maier 2003).

620323 *argyrospila* (Walker, 1863) *(Retinia)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
columbiana (McDunnough, 1923) *(Cacoecia)*
furvana (Robinson, 1869) *(Tortrix)*
vividana (Dyar, 1902) *(Cacoecia)*
v-signatana (Packard, 1875) *(Tortrix)*

620324 *mortuana* Kearfott, 1907 *(Archips)* R -- -- -- -- BC AB SK MB ON QC -- NF NB -- PE
NOTE: This taxon is likely conspecific with *A. argyrospila*, but it is currently still recognized as a separate species.

620325 *nigriplagana* Franclemont, 1986 *(Archips)* R -- -- -- -- -- -- -- -- -- QC -- -- NB -- --
NOTE: New for Canada, based on an old FIDS specimen from NB in the CNC that has been confirmed by JJD, and specimens collected near Acton Vale (QC) by D. Handfield. The NB specimen was reared from *Fraxinus*.

620327 *eleagnana* (McDunnough, 1923) *(Cacoecia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

620328 *myricana* (McDunnough, 1923) *(Cacoecia)* R -- -- -- -- -- -- E MB ON QC -- NF NB NS PE
NOTE: Reported as uncertain for SK by Pohl et al. (2014). The source of that information is SK material in the RSM that almost certainly refers to *A. eleagnana*, the western counterpart of this eastern species.

620329 *semiferanus* (Walker, 1863) *(Lophoderus)* R -- -- -- -- -- -- SK MB ON QC -- -- -- NS --
flaccidana (Robinson, 1869) *(Tortrix)*

620330 *negundana* (Dyar, 1902) *(Cacoecia)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
nugundana (Dyar, 1902) *(Cacoecia)*

620332P *magnoliana* (Fernald, 1892) *(Cacoecia)* P -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: Known in the USA across the Niagara River from southern ON; it likely will be found in the province.

620333 *grisea* (Robinson, 1869) *(Tortrix)* R -- -- -- -- U -- -- -- ON QC -- -- -- -- --
NOTE: This was thought to be a species of the Carolinian forest, but several specimens identified via DNA barcode were collected recently in BC near Sicamous, by deWaard (2010). However, the barcodes are tangled with *A. rosana* and require further work.
brauniana Kearfott, 1907 *(Archips)*

cerasivorana group Kruse & Sperling, 2002

620334 *cerasivorana* (Fitch, 1856) *(Lozotaenia)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE

620335 *fervidana* (Clemens, 1860) *(Lozotaenia)* R -- -- -- -- BC -- SK MB ON QC -- -- NB NS --
palludana (Beutenmüller, 1892) *(Tortrix)*
paludana (Robinson, 1869) *(Tortrix)*

620336 *infumatana* (Zeller, 1875) *(Tortrix)* R -- -- -- -- -- -- -- -- ON U -- -- -- -- --
NOTE: The QC record by Winn (1912) was thought by Handfield et al. (1997) to likely refer to *A. rosana*, but the species is known from adjacent USA, and was recently confirmed in ON.

620337 *rileyana* (Grote, 1868) *(Tortrix)* U -- -- -- -- -- -- -- -- -- U -- -- -- -- --
NOTE: The QC record by Handfield et al. (1997) requires verification; the species is otherwise restricted to southern USA. The host plant, Ohio Buckeye (*Aesculus glabra* Willd.), does not occur naturally in QC.
fervidana (Walker, 1863) *(Cacoecia)*

purpurana group Kruse & Sperling, 2002

620338 *purpurana* (Clemens, 1865) *(Loxotaenia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
gurgitana (Robinson, 1869) *(Tortrix)*
guritana (Darlington, 1947) *(Cacoecia)*
lintneriana (Grote, 1873) *(Tortrix)*

Syndemis Hübner, 1825
tax info: Freeman (1958)

620340 *afflictana* (Walker, 1863) *(Sciaphila)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
fuscolineana (Clemens, 1865) *(Lozotaenia)*

Lozotaenia Stephens, 1829

620341 *hesperia* Powell, 1962 *(Lozotaenia)* R AK YT -- -- -- AB SK U -- U -- -- -- -- --
NOTE: Specimens from MB and QC are of uncertain identity.

620342 *rindgei* Obraztsov, 1962 *(Lozotaenia)* R -- U -- -- BC AB -- -- -- -- -- -- -- --
NOTE: Specimens from YT are of uncertain identity.

620343P *costinotana* Franclemont, 1986 *(Lozotaenia)* P -- -- -- -- -- -- -- -- P P -- -- P -- --
NOTE: This species is known from USA close to the ON and NB borders, and likely occurs in southeastern Canada.

Aphelia Hübner, [1825]

620345 *alleniana* (Fernald, 1882) *(Tortrix)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS --
allenana (Llewellyn-Jones, 1935) *(Tortrix)*
a *alleniana* (Fernald, 1882) *(Tortrix)* r ak -- -- -- bc ab sk mb on qc -- nf nb ns --
trentonana (McDunnough, 1923) *(Tortrix)*
b *rindgeorum* Obraztsov, 1959 *(Aphelia)*

620346 *koebelei* Obraztsov, 1959 *(Aphelia)* U -- -- -- -- U E -- -- -- E -- -- -- -- --
NOTE: All known Canadian specimens previously identified as this species have been redetermined as *A. alleniana*. However the species is known from WA and the record from adjacent BC may be legitimate.

620347 *septentrionalis* Obraztsov, 1959 *(Aphelia)* R AK YT NT -- -- -- -- -- -- -- -- -- -- --

620348 *gregalis* Razowski, 1981 *(Aphelia)* R AK -- -- -- -- -- -- -- -- -- -- -- -- -- --

Cacoecimorpha Obraztsov, 1953

620349P *pronubana* (Hübner, 1822) *(Tortrix)*+ P -- -- -- -- P -- -- -- -- -- -- -- -- --
NOTE: This species is present in WA very close to the BC border.

Dichelia Guenée, 1845

620350 *histrionana* (Frölich, 1828) *(Tortrix)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Clepsis Guenée, 1845
tax info: Razowski (1979a, 1979b)
Ptycholoma Stephens, 1829

620351 *listerana* (Kearfott, 1907) *(Phalonia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

620352 *fucana* (Walsingham, 1879) *(Lozotaenia)* R -- -- -- -- BC EP -- -- -- -- -- -- -- -- --
NOTE: Reported from AB by Pohl et al. (2010), but corrected to "probable" by Pohl et al. (2011) (it is known from adjacent BC), following redetermination of AB material as *C. penetralis*.
busckana Keifer, 1933 *(Clepsis)*
victoriana (Busck, 1922) *(Cacoecia)*

620354 *kearfotti* Obraztsov, 1962 *(Clepsis)* R AK -- -- -- -- AB -- -- -- -- -- -- -- -- --

620355 *spectrana* (Treitschke, 1830) *(Tortrix)*+ R -- -- -- -- BC -- -- -- -- QC -- -- -- -- --

620356 *danilevskyi* Kostiuk, 1973 *(Clepsis)** R AK YT -- -- -- -- -- -- -- -- -- -- -- -- --
danilevski Powell, 1983 *(Clepsis)*
firthana Mutuura, 1980 *(Clepsis)*

620357 *persicana* (Fitch, 1856) *(Croesia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
blandana (Clemens, 1864) *(Ditula)*
conigerana (Zeller, 1875) *(Tortrix)*
forbesi Obraztsov, 1962 *(Clepsis)*
fragariana (Packard, 1869) *(Lozotaenia)*

620359 *consimilana* (Hübner, 1822) *(Tortrix)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- --
unifasciana (Duponchel, 1842) *(Tortrix)*

620360 *clemensiana* (Fernald, 1879) *(Tortrix)* R AK P NT -- BC AB SK MB ON QC -- NF NB NS PE
nervosana (Kearfott, 1907) *(Tortrix)*

620361 *moeschleriana* (Wocke, 1862) *(Tortrix)** R AK YT NT NU BC AB SK MB P QC LB -- -- -- --
algidana (Möschler, 1862) *(Tortrix)*
gelidana (Möschler, 1862) *(Tortrix)*

620362 *melaleucanus* (Walker, 1863) *(Lophoderus)* R -- -- -- -- P AB SK MB ON QC LB NF NB NS --
biustulana (Stephens, 1834) *(Lozotaenia)*
invexana (Walker, 1863) *(Conchylis)*
semifuscana (Clemens, 1864) *(Ptycholoma)*

620363 *flavidana* (McDunnough, 1923) *(Tortrix)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --
NOTE: The ON record, a photograph on iNaturalist.org (photo #4492644) that was taken by M. Dawber near Rainy River in northwestern ON in 2016, was verified by JJD.

620364 *peritana* (Clemens, 1860) *(Smicrotes)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE
inconclusana (Walker, 1863) *(Dichelia)*
620365 *penetralis* Razowski, 1979 *(Clepsis)* R -- -- -- -- BC AB SK P ON QC -- NF P NS P
620366 *virescana* (Clemens, 1865) *(Smicrotes)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE
glaucana (Walsingham, 1879) *(Loxotaenia)*
sescuplana (Zeller, 1875) *(Tortrix)*
620367 *illustrana* (Krogerus, 1936) *(Tortrix)* R AK YT -- -- -- -- -- MB ON -- -- -- -- -- --
NOTE: This otherwise Palaearctic species was reported from AK by Ferris et al. (2012). Specimens from YT, MB, and ON all have DNA barcodes similar to European material.

***Adoxophyes* Meyrick, 1881**
tax info: Freeman (1958)

620369 *furcatana* (Walker, 1863) *(Dichelia)* R -- -- -- -- -- -- -- E ON -- -- -- -- -- --
NOTE: Reported from Winnipeg and Aweme (MB) by Brodie (1929) but no vouchers are known. Those records are deemed erroneous, as the host plant Sycamore (*Platanus occidentalis* L.) does not occur there, and the species is otherwise not known northwest of IL and southern ON.
620370 *negundana* (McDunnough, 1923) *(Homona)* R -- -- -- -- -- AB SK MB ON QC -- -- NB -- --

***Ditula* Stephens, 1829**
tax info: Freeman (1958), Larsen (2015)
Batodes Guenée, 1845

620371 *angustiorana* (Haworth, 1811) *(Tortrix)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- --

***Xenotemna* Powell, 1964**

620372 *pallorana* (Robinson, 1869) *(Tortrix)* R AK -- -- -- BC AB SK MB ON QC -- -- NB -- --
lata (Robinson, 1869) *(Tortrix)*

tribe Sparganothini Druce, 1912
tax info: Powell & Brown (2012)

***Amorbia* Clemens, 1860**

620373 *cuneanum* (Walsingham, 1879) *(Hendecastema)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
adumbranum (Walsingham, 1879) *(Hendecastema)*
essigana Busck, 1929 *(Amorbia)*
620374 *humerosana* Clemens, 1860 *(Amorbia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.

***Coelostathma* Clemens, 1860**

620379 *discopunctana* Clemens, 1860 *(Coelostathma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS PE
discipunctana Walsingham, 1914 *(Coelostathma)*

***Sparganothis* Hübner, [1825]**

620389 *flavibasana* (Fernald, 1882) *(Oenectra)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
620390 *sulfureana* (Clemens, 1860) *(Croesia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
befrageana Powell, 1983 *(Sparganothis)*
belfrageana (Zeller, 1875) *(Tortrix)*
euphronopa Meyrick, 1927 *(Sparganothis)*
fulvoroseana (Clemens, 1864) *(Croesia)*
gallicorana (Clemens, 1864) *(Croesia)*
gallivorana (Clemens, 1864) *(Croesia)*
gratana (Walker, 1863) *(Conchylis)*
sulphureana Barnes & Busck, 1920 *(Sparganothis)*
virgineana (Zeller, 1875) *(Tortrix)*
virginiana (Clemens, 1864) *(Croesia)*

620391 *lycopodiana* (Kearfott, 1907) *(Epagoge)* R -- -- -- -- -- -- -- -- ON QC -- NF P NS --

620393E *bistriata* Kearfott, 1907 *(Sparganothis)* E -- -- -- -- -- -- -- -- -- -- E -- -- -- -- --

NOTE: Lambert (1950) reported this species from QC but that is deemed erroneous, as Powell & Brown (2012) do not report this species from nNA.

620394 *tristriata* Kearfott, 1907 *(Sparganothis)* R -- -- -- -- -- AB SK MB ON QC -- -- NB -- --

620396 *unifasciana* (Clemens, 1864) *(Croesia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE

puritana (Robinson, 1869) *(Tortrix)*

620397 *violaceana* (Robinson, 1869) *(Tortrix)* R -- YT NT -- BC AB SK MB ON QC LB NF NB NS --

620398 *xanthoides* (Walker, 1863) *(Begunna)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE

a *xanthoides* (Walker, 1863) *(Begunna)* r -- -- nt -- bc ab sk mb on qc -- nf nb ns pe

breviornatana (Clemens, 1865) *(Leptoris)*

irrorea (Robinson, 1869) *(Tortrix)*

b *inconditana* (Walsingham, 1879) *(Oenectra)* e -- -- -- -- e e -- -- -- -- -- -- -- -- --

620399 *boweri* Powell & Brown, 2012 *(Sparganothis)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE

620406 *senecionana* (Walsingham, 1879) *(Oenectra)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- -- --

NOTE: Records of this species from MB (Kearfott 1905b) are deemed erroneous; this highly variable species is not known to occur east of the Rocky Mountains (Powell & Brown 2012).

rudana (Walsingham, 1879) *(Oenectra)*

620407 *tunicana* (Walsingham, 1879) *(Dichelia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

californiana (Walsingham, 1879) *(Dichelia)*

620408 *vocaridorsana* Kearfott, 1905 *(Sparganothis)* R -- YT NT -- BC AB SK MB -- QC -- -- -- -- --

620410 *umbrana* Barnes & Busck, 1920 *(Sparganothis)* R -- -- -- -- -- AB SK MB ON QC -- NF NB -- PE

putmanana Freeman, 1940 *(Sparganothis)*

620411 *striata* (Walsingham, 1884) *(Oenectra)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

620412 *distincta* (Walsingham, 1884) *(Oenectra)* R -- -- -- -- -- -- -- -- -- -- -- -- NB NS PE

salinana McDunnough, 1961 *(Sparganothis)*

solidana Freeman, 1941 *(Sparganothis)*

620413 *pulcherrimana* (Walsingham, 1879) *(Cenopis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

620414 *rubicundana* (Herrich-Schäffer, 1856) *(Loxotaenia)*‡ R AK -- NT NU -- -- -- MB ON -- -- -- -- -- --

hudsoniana Freeman, 1940 *(Sparganothis)*

620415 *praecana* (Kennel, 1900) *(Dichelia)** R -- YT NT -- -- -- -- -- -- -- -- -- -- -- --

620416E *pilleriana* ([Denis & Schiffermüller], 1775) *(Tortrix)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --

NOTE: The BC record by ESBC (1906) is erroneous, this Palaearctic species does not occur in NA (Powell & Brown 2012).

***Cenopis* Zeller, 1876**

620417 *pettitana* (Robinson, 1869) *(Tortrix)* R -- -- -- -- E -- SK MB ON QC -- NF NB NS PE

NOTE: The BC record by Anderson (1904) is assumed to be a misidentification.

acerivorana (MacKay, 1952) *(Sparganothis)*

620418 *niveana* Walsingham, 1879 *(Cenopis)* R -- -- -- -- -- -- SK MB ON QC -- -- -- NS --

groteana Fernald, 1882 *(Cenopis)*

620419 *reticulatana* (Clemens, 1860) *(Croesia)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE

fulgidipennana (Blanchard, 1840) *(Pyralis)*

subauratana (Walker, 1863) *(Teras)*

620420 *ferreana* (Busck, 1915) *(Sparganothis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

620422 *daphnana* (McDunnough, 1961) *(Sparganothis)* R -- -- -- -- -- -- -- -- -- -- -- NF -- NS --

620423 *diluticostana* Walsingham, 1879 *(Cenopis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

quercana Fernald, 1882 *(Cenopis)*

620425 *directana* (Walker, 1863) *(Oenectra)* R -- -- -- -- -- AB SK MB ON QC -- -- P NS PE

testulana Zeller, 1875 *(Cenopis)*

620427 *mesospila* Zeller, 1875 *(Cenopis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

albicaudana (Busck, 1915) *(Sparganothis)*

gracilana Walsingham, 1879 *(Cenopis)*

***Platynota* Clemens, 1860**

620433 *idaeusalis* (Walker, 1859) *(Hypena)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE

dioptrica (Meyrick, 1922) *(Phylacteritis)*

sentana Clemens, 1860 *(Platynota)*

620434 *exasperatana* (Zeller, 1875) *(Tortrix)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
scotiana (McDunnough, 1961) *(Sparganothis)*
620435 *semiustana* Walsingham, 1884 *(Platynota)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
620443 *flavedana* Clemens, 1860 *(Platynota)* R -- -- -- -- -- -- -- -- ON QC -- -- -- U --
NOTE: The NS record by Perrin (1915) could not be verified and may refer to some other *Platynota* species, but the record is plausible and is hereby listed as unconfirmed.
concursana (Walker, 1863) *(Teras)*
iridana Barnes & Busck, 1920 *(Platynota)*
laterana (Robinson, 1869) *(Teras)*
tinctana (Walker, 1863) *(Teras)*
620449 *stultana* Walsingham, 1884 *(Platynota)*+ H -- -- -- -- H -- -- -- -- -- -- -- -- -- --
NOTE: This introduced species occurs in Canada only in greenhouses in BC.
chiquitana Barnes & Busck, 1920 *(Platynota)*

subfamily Olethreutinae Walsingham, 1895

tribe Olethreutini Walsingham, 1895

Endothenia Stephens, 1852

620460 *montanana* (Kearfott, 1907) *(Olethreutes)* R -- -- -- -- -- AB SK MB ON P -- -- -- -- --
kingi McDunnough, 1927 *(Endothenia)*
620461 *heinrichi* McDunnough, 1929 *(Endothenia)* R -- -- -- -- -- AB SK -- ON -- -- -- -- -- --
620462 *rubipunctana* (Kearfott, 1907) *(Olethreutes)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
620465 *affiliana* McDunnough, 1942 *(Endothenia)* R AK -- -- -- -- -- -- -- ON QC -- -- -- -- --
620466 *hebesana* (Walker, 1863) *(Sciaphila)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE
daeckeana (Kearfott, 1907) *(Olethreutes)*
fullerea (Riley, 1870) *(Penthina)*
inexpertana (Walker, 1863) *(Carpocapsa)*
torquata (Meyrick, 1927) *(Argyroploce)*
620469 *infuscata* Heinrich, 1923 *(Endothenia)* R -- -- -- -- -- U -- MB ON P -- -- -- -- --
NOTE: This otherwise eastern species was reported from AB by Bowman (1951); a single voucher specimen in the UASM requires confirmation.
620470 *nubilana* (Clemens, 1865) *(Siderea)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- PE
vetulana (Walsingham, 1879) *(Sericoris)*
620471 *quadrimaculana* (Haworth, [1811]) *(Tortrix)* R -- -- -- -- -- E -- E ON QC -- -- -- -- --
NOTE: Most historical records of this European species in NA refer to *E. nubilana*. However, *E. quadrimaculana* has been introduced to NA and it has become established in ON and QC.
antiguana (Hübner, [1813]) *(Tortrix)*
antiquana of authors, [no date] *(Endothenia)*

Taniva Heinrich, 1926
tax info: Gilligan et al. (2008)

620473 *albolineana* (Kearfott, 1907) *(Lipoptycha)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
abietana (Fernald, 1908) *(Argyroploce)*
piceae (Busck, 1916) *(Olethreutes)*

Tia Heinrich, 1926

620474 *enervana* (Erschoff, 1877) *(Penthina)** R AK -- -- -- BC AB -- MB ON -- -- -- -- -- --
vulgana (McDunnough, 1922) *(Argyroploce)*

Hulda Heinrich, 1926
tax info: Gilligan et al. (2008)

620475 *impudens* (Walsingham, 1884) *(Penthina)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE

***Bactra* Stephens, 1834**
tax info: Diakonoff (1964), Powell (1997)

620476	*lancealana* (Hübner, [1799]) *(Tortrix)**	R	--	YT	--	--	BC	--	--	MB	--	QC	--	--	--	--	--
	lanceolana (Hübner, [1825]) *(Ancylis)*																	
620477	*furfurana* (Haworth, 1811) *(Tortrix)**	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--
620478	*verutana* Zeller, 1875 *(Bactra)*	R	--	--	--	--	BC	AB	SK	P	ON	QC	--	--	--	NS	--
	albipuncta Heinrich, 1926 *(Bactra)*																
	chrysea Heinrich, 1926 *(Bactra)*																
620480	*maiorina* Heinrich, 1923 *(Bactra)*	R	--	--	--	--	--	AB	SK	MB	ON	P	--	--	--	--	--
620481	*priapeia* Heinrich, 1923 *(Bactra)*‡	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--
	NOTE: New for Canada, confirmed by JJD.																
620482	*sinistra* Heinrich, 1926 *(Bactra)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--

***Episimus* Walsingham, 1892**
tax info: Heppner (1994)

620485	*argutana* (Clemens, 1860) *(Bactra)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	NB	NS	--
	allutana (Zeller, 1879) *(Grapholitha)*																
	hamameliella (Clemens, 1861) *(Catastega)*																

***Paralobesia* Obraztsov, 1953**
Endopiza Clemens, 1860

620493	*liriodendrana* (Kearfott, 1904) *(Polychrosis)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	magnoliana (Kearfott, 1907) *(Polychrosis)*																	
620494	*viteana* (Clemens, 1860) *(Endopiza)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	vitivorana (Packard, 1869) *(Penthina)*																	
620495	*monotropana* (Heinrich, 1926) *(Polychrosis)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	NF	NB	--	--
	NOTE: New for Canada, based on several BOLD specimens.																	
620497	*cypripediana* (Forbes, 1924) *(Polychrosis)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	U	--	--
	NOTE: Some ON and QC records were reared recently from *Cypripedium reginae* Walter, the only known host plant. The MB records are from the type series, also reared from that host. Other historical records based on flown adults must be considered unconfirmed.																	
620499	*yaracana* (Kearfott, 1907) *(Polychrosis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
	signifera (Meyrick, 1912) *(Polychrosis)*																	
620500	*exasperana* (McDunnough, 1938) *(Polychrosis)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	NB	NS	PE
620501	*palliolana* (McDunnough, 1938) *(Polychrosis)*	R	--	--	--	--	--	AB	--	--	ON	QC	--	NF	--	NS	E
	NOTE: The PE record by Lafontaine et al. (2001) is a database error.																	
620502	*piceana* (Freeman, 1941) *(Polychrosis)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
620503	*aemulana* (Heinrich, 1926) *(Polychrosis)*	R	--	--	--	--	--	AB	--	MB	--	--	--	--	NB	NS	PE
620505	*aruncana* (Kearfott, 1907) *(Polychrosis)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	NOTE: New for Canada, based on a specimen from Port Franks (ON), collected recently by KS and confirmed by M. Sabourin.																	
620506	*slingerlandana* (Kearfott, 1904) *(Polychrosis)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	NOTE: New for Canada, based on two specimens in the CNC.																	
620507	*spiraeifoliana* (Heinrich, 1923) *(Polychrosis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	PE
620508	*blandula* (Heinrich, 1926) *(Polychrosis)*	R	--	--	--	--	--	AB	--	MB	--	QC	--	--	--	--	--

***Lobesiodes* Diakonoff, 1954**

620510	*euphorbiana* (Freyer, 1842) *(Sericoris)*+	R	--	--	--	--	U	U	U	MB	ON	--	--	--	--	U	--
	NOTE: This European species was released for biocontrol of Leafy Spurge (*Euphorbia esula* L.); it has successfully established in MB and ON but the success of introductions in other provinces is unknown (Bourchier et al. 2002).																	

***Lobesia* Guenée, 1845**

620512	*bicinctana* (Duponchel, 1843) *(Grapholitha)**	R	--	--	--	--	--	--	--	--	ON	QC	--	NF	NB	NS	PE
b	*spiraeae* (McDunnough, 1938) *(Polychrosis)*	r	--	--	--	--	--	--	--	--	on	qc	--	nf	nb	ns	pe

Ahmosia Heinrich, 1926

620514 *galbinea* Heinrich, 1926 *(Ahmosia)* R -- -- -- -- -- AB SK -- -- QC -- -- -- -- --
NOTE: The QC records were reared from *Oenothera biennis* L. in the Gaspé region in 2015, by A. Charpentier, and confirmed by JFL via dissections and DNA barcodes. This is a surprising range extension for an otherwise western species. There is considerable genetic variation within this taxon, which may include a cryptic species.

620515 *aspasiana* (McDunnough, 1922) *(Argyroploce)* R -- -- -- -- -- -- -- -- ON QC -- NF -- NS --

Aterpia Guenée, 1845

tax info: Gilligan et al. (2008)

620516 *approximana* (Heinrich, 1919) *(Olethreutes)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --

Eumarozia Heinrich, 1926

tax info: Clarke (1973), Gilligan et al. (2008)

620517 *malachitana* (Zeller, 1875) *(Grapholitha)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Zomaria Heinrich, 1926

620518 *interruptolineana* (Fernald, 1882) *(Penthina)* R -- -- -- -- -- AB -- -- ON QC -- NF -- NS --

Apotomis Hübner, [1825]

tax info: Adamski & Peters (1986)

Aphania Hübner, 1825

620521 *funerea* (Meyrick, 1920) *(Argyroploce)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
youngana (McDunnough, 1922) *(Argyroploce)*

620522 *albeolana* (Zeller, 1875) *(Penthina)* R -- -- -- -- E -- -- -- ON QC -- -- NB NS PE
NOTE: The report from BC by Blackmore (1923) is erroneous; this species is not known west of ON in Canada.

620523 *removana* (Kearfott, 1907) *(Olethreutes)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE
dextrana (McDunnough, 1923) *(Aphania)*

620524 *apateticana* (McDunnough, 1922) *(Argyroploce)* R E -- -- -- BC AB SK MB ON QC -- U -- NS --
NOTE: The AK record by Adamski & Peters (1986) is actually from along the AK highway in BC. The record by Prentice (1965) from St. Georges (NF) could not be verified.
deceptana (McDunnough, 1922) *(Argyroploce)*

620525 *tertiana* (McDunnough, 1922) *(Argyroploce)* R AK YT NT -- BC AB SK MB ON QC -- -- NB NS --
strigosa (Heinrich, 1926) *(Aphania)*

620526 *afficticia* (Heinrich, 1926) *(Aphania)* R -- -- -- -- -- -- -- -- -- P -- -- NB NS --

620527 *bifida* (McDunnough, 1938) *(Aphania)* R -- -- -- -- BC AB SK -- ON QC -- NF -- NS --

620528 *capreana* (Hübner, [1817]) *(Tortrix)** R U YT NT NU BC AB SK MB ON QC LB NF NB NS PE
NOTE: This species was listed as "uncertain" for AK by Ferris et al. (2012).

620529 *deceptana* (Kearfott, 1905) *(Olethreutes)* R AK YT -- -- BC AB SK MB ON QC -- -- NB NS --
salicaceana (Freeman, 1957) *(Aphania)*

620530E *coloradensis* Adamski, 1986 *(Apotomis)* E -- -- -- -- -- -- -- -- -- -- -- -- E E --
NOTE: Records from eastern Canada by Lafontaine et al. (2001) are incorrect, and refer to other *Apotomis* species. This species is known only from CO (Adamski & Peters 1986).

620531 *paludicolana* (Brower, 1953) *(Aphania)* R -- -- -- -- -- E -- -- ON QC -- -- NB NS --
NOTE: Western material previously identified as *A. paludicolana* by Pohl et al. (2005, 2010) has been redetermined via DNA barcode as *A. spinulana*.

620532 *frigidana* (Packard, 1867) *(Penthina)* R AK YT NT NU BC AB -- MB -- QC LB -- -- E --
NOTE: Unvouchered NS records of this alpine/tundra species are assumed to be misidentifications.
moeschleri (Kennel, 1900) *(Penthina)*

620533 *brevicornutana* (McDunnough, 1938) *(Aphania)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

620534 *spinulana* (McDunnough, 1938) *(Aphania)* R E -- NT -- BC AB SK MB U -- -- -- -- -- --
NOTE: The AK record by Adamski & Peters (1986) is actually from along the AK highway in BC. The ON records by Prentice (1965) and Saunders (1991) could not be verified.

620536 *infida* (Heinrich, 1926) *(Aphania)** R -- -- -- -- BC AB SK MB ON QC LB NF -- NS --

620537 *spurinfida* Adamski, 1986 *(Apotomis)* R AK -- -- -- -- -- -- -- -- -- -- -- -- -- --

***Pseudosciaphila* Obraztsov, 1966**
tax info: Gilligan et al. (2008)
Sciaphila of authors not Treitschke, 1829

620538 *duplex* (Walsingham, 1895) *(Penthina)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
thallasana (McDunnough, 1922) *(Argyroploce)*

***Orthotaenia* Stephens, 1829**
tax info: Gilligan et al. (2008)
Badebecia Heinrich, 1926

620539 *undulana* ([Denis & Schiffermüller], 1775) *(Tortrix)* R AK YT P -- BC AB SK MB ON QC -- NF NB NS PE
campestrana (Zeller, 1875) *(Sericoris)*
dilutifuscana (Walsingham, 1879) *(Sericoris)*
urticana (Hübner, 1799) *(Tortrix)*

***Phaecasiophora* Grote, 1873**

620540 *confixana* (Walker, 1863) *(Sciaphila)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a single specimen in the CNC.
mutabilana (Clemens, 1865) *(Sericoris)*
perductana (Walker, 1863) *(Sciaphila)*
620541 *niveiguttana* Grote, 1873 *(Phaecasiophora)* R -- -- -- -- -- -- -- -- ON -- -- -- NB NS --

***Olethreutes* Hübner, 1822**
Exartema Clemens, 1860

620544 *nitidana* (Clemens, 1860) *(Exartema)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
620545 *furfuranum* (McDunnough, 1922) *(Exartema)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
620546 *comandranum* (Clarke, 1953) *(Exartema)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Port Franks (ON) by KS, and confirmed by JJD.
620547 *olivaceana* (Fernald, 1882) *(Eccopis)* R -- -- -- -- BC P -- U ON QC -- -- NB NS PE
NOTE: Historical records from MB could not be verified.
bolandanum (McDunnough, 1922) *(Exartema)*
620548 *fraternanum* (McDunnough, 1924) *(Exartema)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
620549 *subnubilum* (Heinrich, 1923) *(Exartema)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
620550 *electrofuscum* (Heinrich, 1923) *(Exartema)* R -- -- -- -- E -- -- -- ON QC -- -- NB NS --
NOTE: Specimens reported from BC by deWaard (2010) were deemed erroneous by Pohl et al. (2015b); this species is otherwise restricted to eastern NA.
620551 *rusticanum* (McDunnough, 1922) *(Exartema)* R -- -- -- -- -- AB P MB ON P -- -- -- -- --
620552 *diallacta* (Meyrick, 1932) *(Argyroploce)* R -- -- -- -- -- AB -- -- ON QC -- -- NB NS PE
betulana (Heinrich, 1926) *(Exartema)*
trepidulum (Heinrich, 1926) *(Exartema)*
zelleriana (Fernald, 1875) *(Eccopis)*
620553 *footiana* (Fernald, 1882) *(Eccopis)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on four specimens in the CNC.
620554 *atrodentana* (Fernald, 1882) *(Eccopsis)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
620555 *punctanum* (Walsingham, 1903) *(Exartema)* R -- -- -- -- BC AB SK -- ON QC -- -- NB -- PE
NOTE: Heinrich's (1926) use of this name was erroneous; he misapplied it to the species now known as *O. connectum*.
connanum (Heinrich, 1923) *(Exartema)*
connutana (Heinrich, 1923) *(Exartema)*
cornanum (Heinrich, 1926) *(Exartema)*
620556 *connectum* (McDunnough, 1935) *(Exartema)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
punctanum of authors (not Walsingham, 1903) *(Exartema)*
620557 *inornatana* (Clemens, 1860) *(Exartema)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
620559 *exoletum* (Zeller, 1875) *(Exartema)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
620560 *bicoloranum* (McDunnough, 1922) *(Exartema)* R -- -- -- -- -- -- -- -- -- QC -- NF -- NS --
620562 *quadrifidum* (Zeller, 1875) *(Exartema)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
620563 *tilianum* (Heinrich, 1923) *(Exartema)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
620566 *clavana* (Walker, 1863) *(Carpocapsa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

620567	*mysteriana* Miller, 1979 *(Olethreutes)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	--	--
	clavana of authors not Miller, 1979 *(Olethreutes)*																				
620568	*nigranum* (Heinrich, 1923) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	U	--	--
	NOTE: Specimens from NB are not determined with certainty.																				
	ornatana (Kearfott, 1910) *(Cymolomia)*																				
620569	*viburnanum* (McDunnough, 1935) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	--	--
620571	*merrickana* (Kearfott, 1907) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	PE
620572	*hamameliana* (McDunnough, 1944) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	NS	--
620573	*corylana* (Fernald, 1882) *(Eccopis)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	NS	--
620574	*ochrosuffusanum* (Heinrich, 1923) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	NS	--
	NOTE: New for Canada, based on a single specimen in the CNC from ON, and a BOLD specimen from Black Brook Cove (NS), collected by P.T. Dang.																				
620575	*brunneopurpurata* (Heinrich, 1923) *(Exartema)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--
620577	*fagigemmeana* (Chambers, 1878) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
620578	*sericoranum* (Walsingham, 1879) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	myricana Kearfott, 1910 *(Olethreutes)*																				
620579	*melanomesum* (Heinrich, 1923) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	NS	--
	nortanum (Kearfott, 1910) *(Cymolomia)*																				
620580	*valdanum* (McDunnough, 1922) *(Exartema)*	R	AK	--	--	--	--	--	--	MB	ON	QC	--	--	NB	NS	PE
	micantana (Forbes, 1923) *(Cymolomia)*																				
620581	*baccatana* (McDunnough, 1942) *(Exartema)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--
620582	*versicolorana* (Clemens, 1860) *(Exartema)*	R	--	--	--	--	E	E	--	E	ON	QC	--	--	--	--	--
	NOTE: Historical reports of this species from west of ON are misidentifications and refer to *O. appendiceum*.																				
620583	*brevirostratum* (Heinrich, 1926) *(Exartema)*	R	--	--	--	--	--	--	--	MB	--	QC	--	--	--	--	--
620584	*galevora* (McDunnough, 1956) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	NS	--
620585	*permundana* (Clemens, 1860) *(Exartema)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	NB	NS	--
	gaylussaciana (Kearfott, 1910) *(Cymolomia)*																				
	meanderana (Walker, 1863) *(Sciaphila)*																				
620586	*submissanum* (McDunnough, 1922) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--
620587	*nananum* (McDunnough, 1922) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--
	quebecense (Heinrich, 1923) *(Exartema)*																				
620588	*malana* (Fernald, 1882) *(Eccopis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
620589	*appendiceum* (Zeller, 1875) *(Exartema)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
620590	*concinnana* (Clemens, 1865) *(Sericoris)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	foedana (Clemens, 1865) *(Sericoris)*																				
	terminanum (McDunnough, 1922) *(Exartema)*																				
620591	*fasciatana* (Clemens, 1860) *(Exartema)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	NB	NS	--
	albofasciatum (Zeller, 1875) *(Exartema)*																				
	decisana (Walker, 1862) *(Sciaphila)*																				
620592	*troglodanum* (McDunnough, 1922) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
620593	*exaeresimum* (Heinrich, 1926) *(Exartema)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
620594	*lacunanum* (Freeman, 1941) *(Exartema)*	R	AK	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
620595	*ferriferana* (Walker, 1863) *(Sciaphila)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	--	--
	gratiosana (Clemens, 1865) *(Sericoris)*																				
	usticana (Zeller, 1875) *(Grapholitha)*																				
620597	*osmundana* (Fernald, 1879) *(Penthina)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	NB	NS	--
	ochromediana Kearfott, 1907 *(Olethreutes)*																				
620598	*auricapitana* (Walsingham, 1879) *(Sericoris)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--
620599	*albiciliana* (Fernald, 1882) *(Sericoris)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	--	NF	NB	NS	PE
620600	*sordidana* (McDunnough, 1922) *(Argyroploce)*	R	--	--	--	--	P	AB	SK	--	--	QC	--	NF	--	--	--
620601	*galaxana* Kearfott, 1907 *(Olethreutes)*	R	AK	--	NT	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	--
	glitranana Kearfott, 1907 *(Olethreutes)*																				
620602	*astrologana* (Zeller, 1875) *(Sericoris)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
	coronana (Kearfott, 1907) *(Anchylopera)*																				
620603	*coruscana* (Clemens, 1860) *(Antithesia)*	R	--	--	--	--	EP	EP	SK	MB	ON	QC	U	--	NB	NS	PE
	NOTE: Old reports of this species in western Canada and in LB are erroneous. Some of these are due to Heinrich's (1926) confusion of this species with *O. metallicana*, which he mistakenly treated as "*O. puncticostana major*" (the true *puncticostana* is a synonym of *O. coruscana*). *Olethreutes coruscana* is known with certainty as far west as SK, and is not confirmed in LB.																				
	constellatana (Zeller, 1876) *(Sericoris)*																				
	puncticostana (Walker, 1863) *(Sericoris)*																				

620604 *ferrolineana* (Walker, 1863) *(Carpocapsa)* R -- -- -- -- -- -- -- MB ON QC -- -- U -- --
NOTE: The NB record by Lafontaine et al. (2001) could not be verified.
argyroelana (Zeller, 1876) *(Sericoris)*

620605 *metallicana* (Hübner, 1796) *(Tortrix)** R AK YT NT NU BC AB SK MB ON QC LB -- -- NS --
NOTE: This species has been referred to as *O. puncticostana* (or *O. puncticostana major*) by many in NA, following an error by Heinrich (1926) (Miller 1985).
major (Walsingham, 1895) *(Penthina)*
murina (Packard, 1867) *(Penthina)*
puncticostana of authors not Walker, 1863 *(Olethreutes)*

620606 *nordeggana* (McDunnough, 1922) *(Argyroploce)** R AK YT NT -- BC AB -- MB ON QC -- -- -- -- --
NOTE: Brown (2005) missed the synonymy of *O. kennethana* by Miller & Jalava (2000). Use of the Palaearctic name *O. obsoletana* by Miller (1985) is incorrect, due to a previous taxonomic arrangement.
kennethana McDunnough, 1941 *(Olethreutes)*
obsoletana of authors (not Zetterstedt, 1840) *(Tortrix)*

620607 *heinrichana* (McDunnough, 1927) *(Argyroploce)** R AK YT NT NU BC AB SK MB -- QC LB -- -- -- --

620608 *minaki* (McDunnough, 1929) *(Argyroploce)* R -- -- NT -- BC AB SK MB ON QC -- NF -- NS --

620609 *deprecatorius* Heinrich, 1926 *(Olethreutes)* R -- -- -- -- BC AB -- U -- QC -- NF -- NS --
NOTE: The MB record by Prentice (1965) could not be verified.

620610 *carolana* (McDunnough, 1922) *(Argyroploce)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --

620611 *polluxana* (McDunnough, 1922) *(Argyroploce)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --

620612 *glaciana* (Möschler, 1860) *(Sericoris)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
castorana (McDunnough, 1922) *(Argyroploce)*
dealbana (Walker, 1863) *(Penthina)*
fuscalbana (Zeller, 1875) *(Sericoris)*

620613 *bipartitana* (Clemens, 1860) *(Antithesia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
caesialbana (Zeller, 1875) *(Sericoris)*
similisana (Walker, 1863) *(Penthina)*

620614 *trinitana* (McDunnough, 1931) *(Argyroploce)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.

620615 *schulziana* (Fabricius, 1777) *(Pyralis)** R AK YT NT NU BC AB SK MB -- QC EP NF -- -- --
NOTE: The locality labelled "Rocky Bay Quebec Labr" on three old specimens in the CNC refers today to Port-Saint-Servan in easternmost QC; this locality is within a few kilometers of the LB border so the species is expected to be present there as well.

620616 *turfosana* (Herrich-Schäffer, 1851) *(Tortrix)** R AK YT NT NU BC AB SK MB -- QC LB NF -- NS --
intermistana (Clemens, 1865) *(Mixodia)*
septentrionana (Möschler, 1883) *(Penthina)*
tessellana (Packard, 1867) *(Penthina)*

620617 *septentrionana* (Curtis, 1831) *(Orthotaenia)** R AK -- -- NU BC -- -- -- -- QC LB -- -- NS --
fulvifrontana (Packard, 1867) *(Penthina)*
primariana (Walker, 1863) *(Sciaphila)*

620618 *inquietana* (Walker, 1863) *(Paedisca)** R AK YT NT NU BC -- -- -- -- QC LB NF -- -- --
hoyoshi (Rebel, 1911) *(Cnephasia)*

620619 *bowmanana* (McDunnough, 1923) *(Argyroploce)* R AK YT -- -- BC AB -- MB -- -- -- -- -- -- --

620620 *mengelana* (Fernald, 1894) *(Sericoris)* R AK YT NT NU BC -- -- MB -- QC -- -- -- -- --
groenlandicana (Bang-Haas, 1896) *(Penthina)*

620621 *costimaculana* (Fernald, 1882) *(Penthina)* R AK YT NT NU BC AB P MB ON QC LB NF NB NS PE
NOTE: Use of the Old World name *O. roseomaculana* by Forbes (1923) refers to this species.
roseomaculana of authors (not Herrich-Schäffer, 1851) *(Tortrix)*

620623 *buckellana* (McDunnough, 1922) *(Argyroploce)* R U -- -- BC AB SK MB ON P -- -- -- -- --
NOTE: This species was listed as "uncertain" for AK by Ferris et al. (2012).
a *buckellana* (McDunnough, 1922) *(Argyroploce)* r u -- -- -- bc -- -- -- -- -- -- -- -- --
b *albidula* Heinrich, 1926 *(Olethreutes)* r -- -- -- -- -- ab sk mb on p -- -- -- -- --

620624 *exaridanus* Kuznetsov, 1991 *(Olethreutes)** R -- YT -- -- -- -- -- -- -- -- -- -- -- --

620625 *palustrana* (Lienig & Zeller, 1846) *(Sericoris)** R AK -- -- -- -- -- -- -- -- -- -- -- -- --

Phiaris **Hübner, [1825]**

620626 *bipunctana* (Fabricius, 1794) *(Pyralis)** R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: This Holarctic species was recently discovered in NA in MB (Landry et al. 2013).

620627 *siderana* (Treitschke, 1834) *(Olethreutes)** R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
chalybeana (Walsingham, 1879) *(Sericoris)*

***Selenodes* Guenée, 1845**

620628 *concretana* (Wocke, 1862) *(Penthina)** R AK -- -- -- -- -- -- -- -- -- -- -- -- -- --

***Celypha* Hübner, [1825]**
tax info: Gilligan et al. (2008)

620629 *cespitana* (Hübner, [1817]) *(Tortrix)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE
instrutana (Clemens, 1865) *(Sericoris)*
poana (Zeller, 1875) *(Sericoris)*

***Pristerognatha* Obraztsov, 1960**
tax info: Gilligan et al. (2008)

620630.01 *agilana* (Clemens, 1860) *(Endopiza)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
fuligana of authors (not [Denis & Schiffermüller], 1775) *(Tortrix)*

***Argyroploce* Hübner, [1825]**

620631 *aquilonana* Karvonen, 1932 *(Argyroploce)** R -- YT NT NU -- AB -- MB -- -- -- -- -- -- --
620632 *externa* (Eversmann, 1844) *(Paedisca)** R -- YT NT -- BC AB -- -- -- -- -- -- -- -- --
dalecarliana (Guenée, 1845) *(Selenodes)*

***Metendothenia* Hübner, [1825]**

620633 *atropunctana* (Zetterstedt, 1840) *(Penthina)** R AK YT -- -- -- -- -- -- -- -- -- -- -- --

***Hedya* Hübner, [1825]**

620634 *separatana* (Kearfott, 1907) *(Olethreutes)* R -- YT -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Kearfott (1905b) used the Palaearctic name "*Olethreutes dimidiana* Sodoffsky" for this species, prior to describing it as *O. separatana* two years later.
620635 *ochroleucana* (Frölich, 1828) *(Tortrix)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE
consanguinana (Walsingham, 1879) *(Penthina)*
contrariana (Walker, 1863) *(Penthina)*
nimbatana (Clemens, 1860) *(Antithesia)*
620636 *nubiferana* (Haworth, 1811) *(Tortrix)*+ R -- -- -- -- BC AB SK P ON P -- NF -- NS PE
variegana (Hübner, 1799) *(Tortrix)*
620637 *chionosema* (Zeller, 1875) *(Penthina)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
620638 *cyanana* (Murtfeldt, 1880) *(Penthina)* R -- -- -- -- -- -- SK MB ON QC -- -- -- -- --
620639 *salicella* (Linnaeus, 1758) *(Tortrix)*+ R -- -- -- -- -- -- -- -- ON -- -- NF -- NS --

***Evora* Heinrich, 1926**
tax info: Gilligan et al. (2008)

620640 *hemidesma* (Zeller, 1875) *(Euchromia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
NOTE: Bowman's (1951) AB record was erroneous, based on misidentified *Hedya ochroleucana* specimens, but this species has been confirmed recently in eastern AB, at Dilberry Lake Prov. Pk., collected in 2015 by ADM.

tribe Enarmoniini Diakonoff, 1953

***Ancylis* Hübner, [1825]**
Anchylopera Stephens, 1829

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620641 *nubeculana* (Clemens, 1860) *(Anchylopera)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE

620642X	*subaequana* complex Miller, 1987	R	AK	YT	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE		
	NOTE: The status of taxa in this group as separate species is not resolved, and they cannot be reliably separated (Miller 1987, Gilligan et al. 2008). All three species have been reported from Canada, and their records are pooled here.																		
(620642)	*subaequana* (Zeller, 1875) *(Phoxopteryx)*	(R)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	a *subaequana* (Zeller, 1875) *(Phoxopteryx)*	(r)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	b *fergusoni* (McDunnough, 1958) *(Anchylopera)*	(r)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	c *kincaidiana* (Fernald, 1900) *(Phoxopteryx)*	(r)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
(620644)	*galeamatana* (McDunnough, 1956) *(Anchylopera)*	(R)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
(620645)	*sheppardana* (McDunnough, 1956) *(Anchylopera)*	(R)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
620646	*discigerana* (Walker, 1863) *(Grapholita)*	R	--	--	--	--	BC	U	SK	MB	ON	QC	--	NF	NB	NS	--		
	NOTE: Specimens from AB are of uncertain identity (Pohl et al. 2010).																		
	spiraeifoliana of authors (not Clemens, 1860) *(Anchylopera)*																		
620647	*metamelana* (Walker, 1863) *(Grapholita)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE		
	angulifasciana (Zeller, 1875) *(Phoxopteris)*																		
	discoferana (Walker, 1863) *(Grapholita)*																		
	intermediana Kearfott, 1907 *(Ancylis)*																		
620648	*tenebrica* (Heinrich, 1929) *(Anchylopera)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--		
620649	*semiovana* (Zeller, 1875) *(Phoxopteris)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	--	--	--		
620650	*columbiana* (McDunnough, 1955) *(Anchylopera)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--		
	a *columbiana* (McDunnough, 1955) *(Anchylopera)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--		
	b *shastensis* (McDunnough, 1955) *(Anchylopera)*																		
620651	*simuloides* (McDunnough, 1955) *(Anchylopera)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--		
	litoris (McDunnough, 1955) *(Anchylopera)*																		
	sierrae (McDunnough, 1955) *(Anchylopera)*																		
620652	*maritima* Dyar, 1904 *(Ancylis)*	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--		
620653X	*spiraeifoliana* complex Miller, 1987	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	--		
	NOTE: The status of taxa in this complex is unresolved and they cannot be reliably separated (Miller 1987, Gilligan et al. 2008). All four species have been reported from Canada; their records are pooled here.																		
(620653)	*spiraeifoliana* (Clemens, 1860) *(Anchylopera)*	(R)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	spiraeifoliana (Walsingham, 1879) *(Phoxopteryx)*																		
	spireaefoliana (Clemens, 1860) *(Anchylopera)*																		
(620654)	*laciniana* (Zeller, 1875) *(Anchylopera)*	(R)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
(620655)	*burgessiana* (Zeller, 1875) *(Phoxopteris)*	(R)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	murtfeldtiana (Riley, 1881) *(Phoxopteris)*																		
	pruni (Heinrich, 1923) *(Anchylopera)*																		
(620656)	*fuscociliana* (Clemens, 1864) *(Anchylopera)*	(R)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	dubiana (Clemens, 1864) *(Anchylopera)*																		
620657	*mira* Heinrich, 1929 *(Ancylis)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	--	--	NB	NS	--		
	furvescens (Heinrich, 1929) *(Anchylopera)*																		
620658	*platanana* (Clemens, 1860) *(Anchylopera)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--		
	marcidana (Zeller, 1875) *(Phoxopteris)*																		
620659	*rhodorana* (McDunnough, 1954) *(Anchylopera)*	R	--	--	--	--	--	--	--	--	--	--	--	NF	NB	NS	PE		
	rhoderana Hodges, 1983 *(Ancylis)*																		
620660	*brauni* (Heinrich, 1931) *(Anchylopera)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--		
620662	*comptana* (Frölich, 1828) *(Tortrix)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	--	E	NB	NS	PE		
	NOTE: The NF record by McDunnough (1927a) of "*Anchylopera lamiana*", a synonym, refers to *A. discigerana*. The report by Pohl et al. (2016) of *A. floridana* as the valid name is the result of a databasing error; the valid species is *C. comptana*.																		
	amblygona (Zeller, 1875) *(Phoxopteris)*																		
	cometana (Walsingham, 1879) *(Phoxopteryx)*																		
	conflexana (Walker, 1863) *(Grapholita)*																		
	floridana (Zeller, 1875) *(Phoxopteris)*																		
	fragariae (Walsh & Riley, 1869) *(Anchylopera)*																		
	lamiana (Clemens, 1864) *(Anchylopera)*																		
	pulchellana (Clemens, 1864) *(Anchylopera)*																		
620663	*divisana* (Walker, 1863) *(Grapholita)*	R	--	--	--	--	--	AB	--	MB	ON	QC	--	--	--	NS	--		
620664	*apicana* (Walker, 1866) *(Grapholita)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE		

620665 *muricana* (Walsingham, 1879) *(Phoxopteryx)* R -- -- -- -- E -- -- -- ON QC -- -- -- NS PE
NOTE: The BC record by Pohl et al. (2015b) is deemed erroneous; see note under *A. cornifoliana*.

620666E *cornifoliana* (Riley, 1881) *(Phoxopteris)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: This species has historically been treated as a subspecies of *A. muricana* but is now listed as a valid species (Gilligan et al. 2014). The BC record by ESBC (1906) was listed as "unconfirmed" under *A. muricana* by Pohl et al. (2015b), but it is hereby deemed erroneous. Neither *A. cornifoliana* nor *A. muricana* are known in western NA. *Ancylis cornifoliana* is not known to occur in Canada, and eastern Canadian specimens under that name in collections are probably *A. muricana*.

geminana group Gilligan et al., 2016
tax info: Gilligan et al. (2016)

620668 *diminuatana* Kearfott, 1905 *(Ancylis)* R AK YT NT -- BC AB SK MB ON QC U U NB U PE
NOTE: The Old World names *A. diminutana* (note the slightly different spelling from the correct Nearctic species), *A. geminana* (Donovan), and *A. biarcuana* (Stephens) (a synonym of *A. geminana*) have all been used historically for this species in NA (Gilligan et al. 2016). Some records refer to *A. goodelliana*; the figures of this taxon in Gilligan et al. (2008) refer to *A. goodelliana*. Records from LB, NF, and NS have not been verified.
diminutana of authors (not Haworth, 1811) *(Tortrix)*

unguicella group Gilligan et al., 2016
tax info: Gilligan et al. (2016)

620671 *unguicella* (Linnaeus, 1758) *(Tinea)** R AK YT NT P BC AB SK MB ON QC LB NF P NS --
plagosana (Clemens, 1864) *(Anchylopera)*

620672 *pacificana* (Walsingham, 1879) *(Phoxopteryx)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

620667 *uncella* ([Denis & Schiffermüller], 1775) *(Tinea)** R -- YT NT -- -- AB SK MB ON QC U -- U U --
NOTE: This species is recently recognized as a Holarctic taxon, following the synonymy of *A. carbonana* by Gilligan et al. (2016). Material from LB, NB, and NS in the CNC has not been verified.
carbonana Heinrich, 1923 *(Ancylis)*

620669 *goodelliana* (Fernald, 1882) *(Phoxopteris)* R -- -- -- -- -- AB U U ON QC -- -- U NS --
NOTE: Material from SK, MB, and NB has not been verfified.

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620673 *mediofasciana* (Clemens, 1864) *(Anchylopera)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

620674 *torontana* (Kearfott, 1907) *(Proteoteras)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

620675 *tineana* (Hübner, [1799]) *(Tortrix)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
leucophaleratana (Packard, 1866) *(Pandemis)*
ocellana (Clemens, 1864) *(Anchylopera)*

620677 *albacostana* Kearfott, 1905 *(Ancylis)* R -- -- -- -- -- U SK MB ON QC -- -- -- NS --
NOTE: A specimen from AB tentatively identified as this species is listed here as "unconfirmed" (Pohl et al. 2011). This species is otherwise known from eastern NA, only as far west as SK.

Hystrichophora **Walsingham, 1879**

620680 *paradisiae* Heinrich, 1923 *(Hystrichophora)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

620681 *stygiana* (Dyar, 1903) *(Thiodia)* R AK -- NT -- BC AB SK -- -- -- -- -- -- -- --
a *stygiana* (Dyar, 1903) *(Thiodia)*
b *californiae* Heinrich, 1923 *(Hystrichophora)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

620682 *asphodelana* (Kearfott, 1907) *(Thiodia)* R AK YT -- NU BC AB P MB -- -- LB -- -- -- --
NOTE: This taxon is likely conspecific with *H. stygiana*, but it is currently treated as a valid species.
a *asphodelana* (Kearfott, 1907) *(Thiodia)*
b *seraphicana* Heinrich, 1923 *(Hystrichophora)*

620685 *taleana* (Grote, 1878) *(Grapholitha)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

620686 *ochreicostana* (Walsingham, 1884) *(Semasia)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

620689 *vestaliana* (Zeller, 1875) *(Grapholitha)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

Eucosmomorpha **Obraztsov, 1951**
tax info: Miller (2001)

620690E *albersana* (Hübner, [1813]) *(Tortrix)*+ E -- -- -- -- -- -- E -- -- -- -- -- -- -- --
NOTE: This introduced European species was reported in Canada based on a single specimen from SK, reported by Dang & Parker (1990), and Miller (1983). That specimen has since been redetermined as *E. nearctica*, not described at the time.

620691 *nearctica* Miller, 2001 *(Eucosmomorpha)* R -- -- -- -- -- -- SK -- ON -- -- -- -- -- --

***Enarmonia* Hübner, [1825]**
tax info: Dang & Parker (1990)

620692 *formosana* (Scopoli, 1763) *(Ioplocama)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

tribe Eucosmini Meyrick, 1909

***Rhyacionia* Hübner, [1825]**
tax info: Powell & Miller (1978)

buoliana group Powell & Miller, 1978

620694 *buoliana* ([Denis & Schiffermüller], 1775) *(Tortrix)*+ R AK -- -- -- BC S -- MB ON QC -- NF NB NS PE
NOTE: The sole AB record was collected on an ornamental tree in Edmonton, and is considered a stray.

rigidana group Powell & Miller, 1978

620695P *rigidana* (Fernald, 1880) *(Retinia)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This pest species is known from northeastern USA, and likely occurs in adjacent QC.

pasadenana group Powell & Miller, 1978

620698 *pasadenana* (Kearfott, 1907) *(Evetria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620699 *zozana* (Kearfott, 1907) *(Evetria)* R -- -- -- -- BC U -- -- -- -- -- -- -- -- -- --
NOTE: A specimen from Redwater (AB) in the CUIC has not been verified.
matutina (Meyrick, 1912) *(Evetria)*
montana (Busck, 1912) *(Evetria)*

adana group Powell & Miller, 1978

620704 *adana* Heinrich, 1923 *(Rhyacionia)* R -- -- -- -- -- -- -- U ON P -- -- -- -- --
NOTE: The MB record by Ives & Wong (1988) could not be verified. It occurs in adjacent western ON.

busckana group Powell & Miller, 1978

620706 *busckana* Heinrich, 1923 *(Rhyacionia)* R -- -- -- -- BC -- -- MB ON QC -- -- -- -- --
NOTE: Reports of the European species "*Retinia duplana*" (now in *Rhyacionia*) and "*Retinia sylvestrana*" (now in *Clavigesta*) from "Canada" by the Natural History Society of Toronto (1883) likely refer to *R. busckana*. The original report of *R. duplana* in NA was based on a specimen from OR that has been redetermined as *R. busckana* by Powell & Miller (1978).
duplana of authors (not Hübner, 1811) *(Tortrix)*
sylvestrana of authors (not Curtis, 1850) *(Spilonota)*
620707 *granti* Miller, 1985 *(Rhyacionia)* R -- -- -- -- -- -- -- MB ON P -- -- -- -- --

frustrana group Powell & Miller, 1978

620710 *frustrana* (Comstock, 1880) *(Retinia)* R -- -- -- -- -- -- -- E ON -- -- -- U -- --
NOTE: Historical records of this species in western Canada refer to *R. sonia*, as detailed by Miller (1967). True *R. frustrana* is an eastern species confirmed in Canada only from ON. A specimen from NB in the CNC requires verification.
620712 *sonia* Miller, 1967 *(Rhyacionia)* R -- -- -- -- -- -- -- MB ON P -- -- -- -- --
620713P *aktita* Miller, 1978 *(Rhyacionia)* P -- -- -- -- -- -- -- -- P P -- -- -- -- --
NOTE: This pest species is known from northeastern USA, and likely occurs in adjacent ON and QC.

subcervinana group Powell & Miller, 1978

620714 *subcervinana* (Walsingham, 1879) *(Retinia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Retinia* Guenée, 1845**
Petrova Heinrich, 1923

620719 *comstockiana* Fernald, 1879 *(Retinia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
620722 *albicapitana* (Busck, 1914) *(Evetria)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE

620724 *metallica* (Busck, 1914) *(Evetria)* R AK U -- -- BC AB SK MB -- -- -- -- -- NS --
NOTE: Reports of this species in YT by Prentice (1965) and Powell & Opler (2009) could not be verified.
luculentana (Heinrich, 1920) *(Evetria)*

620727 *gemistrigulana* (Kearfott, 1905) *(Evetria)* R -- -- -- -- -- AB -- -- ON QC -- -- NB NS --

620728 *mafica* (Miller, 1978) *(Petrova)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

620729 *pallipennis* (McDunnough, 1938) *(Petrova)* R -- -- -- -- -- AB -- MB ON QC -- -- NB NS --

620730 *burkeana* (Kearfott, 1907) *(Evetria)* R -- YT -- -- BC AB SK MB ON QC -- NF NB NS --

620731 *picicolana* (Dyar, 1906) *(Eucosma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Barbara Heinrich, 1923

620733 *colfaxiana* (Kearfott, 1907) *(Evetria)* R -- -- -- -- BC AB -- MB ON QC -- -- NB -- --
coloradensis (Heinrich, 1920) *(Evetria)*
taxifoliella (Busck, 1914) *(Evetria)*

620734 *mappana* Freeman, 1941 *(Barbara)* R -- -- -- -- BC AB -- MB ON QC -- NF NB -- PE
ulteriorana (Heinrich, 1920) *(Evetria)*

Spilonota Stephens, 1829

620735 *ocellana* ([Denis & Schiffermüller], 1775) *(Tortrix)*+ R -- -- -- -- BC -- -- -- ON QC LB NF NB NS PE
laricana of authors (not Heinemann, 1863) *(Grapholitha)*
oculana (Harris, 1862) *(Penthina)*
pyrifoliana (Clemens, 1860) *(Hedya)*

620736 *laricana* (Heinemann, 1863) *(Grapholitha)*+ R -- -- -- -- E -- -- -- ON QC -- NF NB NS --
NOTE: Most historical reports of this species from NA (sometimes misspelled as "*lariciana*") refer to *S. ocellana*, another European species that occurs in NA. However, true *S. laricana* has since been found in eastern Canada, identified via DNA barcode.
lariciana of authors, [no date] *(Spilonota)*

Eucosma Hübner, 1823

tax info: Wright & Gilligan (2015)

Exentera of authors not Grote, 1877
Phaneta of authors not Stephens, 1852
Thiodia of authors not Hübner, 1825

circulana group Wright & Gilligan, 2015

620738 *circulana* (Hübner, 1823) *(Tortrix)* R -- -- -- -- E -- E E ON -- -- -- -- -- --
NOTE: Western Canadian records by Dyar (1904) and others are assumed to be erroneous.

620739 *gemellana* Heinrich, 1923 *(Eucosma)* U -- -- -- -- -- -- -- -- U -- -- -- -- -- --
NOTE: Specimens from ON in the CNC require verification; this species is otherwise restricted to southeastern USA (Wright & Gilligan 2015).

620741 *glomerana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- -- -- SK MB P QC -- -- -- -- --
griphodes Meyrick, 1912 *(Eucosma)*
sandana Kearfott, 1907 *(Eucosma)*

620742 *bilineana* Kearfott, 1907 *(Eucosma)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

620747 *landana* Kearfott, 1907 *(Eucosma)* R -- -- -- -- -- AB SK MB ON -- -- -- -- -- --
isospora Meyrick, 1912 *(Eucosma)*

620748 *simplex* McDunnough, 1925 *(Eucosma)* R -- -- -- -- -- AB -- MB ON -- -- -- -- -- --

620752 *sombreana* Kearfott, 1905 *(Eucosma)* R -- -- -- -- -- -- -- MB ON P -- -- -- -- --
phaeodes Meyrick, 1920 *(Eucosma)*
phlaeodes Heinrich, 1923 *(Eucosma)*

refusana group Wright & Gilligan, 2015

620754 *amphorana* (Walsingham, 1879) *(Semasia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

620755 *refusana* (Walker, 1863) *(Grapholita)* R -- -- -- -- E AB SK MB ON U -- -- -- -- --
NOTE: Some historical reports of this species in Canada refer to *P. verna*. Diagnosis and distribution was corrected by Wright & Brown (2014). The QC record has not been verified; vouchers in LEMQ were redetermined as *E. verna*, but genuine QC material may exist in other collections.

620756 *verna* (Miller, 1971) *(Phaneta)* R -- -- -- -- BC AB P MB ON QC -- -- P NS --
refusana of authors (not Walker, 1863) *(Phaneta)*

620757 *autumnana* (McDunnough, 1942) *(Thiodia)* R -- -- -- -- -- -- -- -- ON QC -- -- P NS --
620758 *citricolorana* (McDunnough, 1942) *(Thiodia)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
620759 *annetteana* (Kearfott, 1907) *(Thiodia)* R -- -- -- -- -- -- -- E -- -- -- NF P NS PE
NOTE: Brodie's (1929) Cartwright (MB) record is erroneous; this species is restricted to Atlantic Canada and eastern USA. Vouchers in the UMB Heath collection have been redetermined as *E. convergana*.
scotiana (McDunnough, 1958) *(Thiodia)*

radiatana group Wright & Gilligan, 2015

620762 *radiatana* (Walsingham, 1879) *(Semasia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
620763 *formosana* (Clemens, 1860) *(Ioplocama)* R -- -- -- -- BC AB SK P ON QC -- NF NB NS PE
NOTE: Pohl et al. (2010) reported this species as "uncertain" for AB, but it has recently been verified from the province.
sagittana (Walker, 1863) *(Grapholitha)*
stercoreana (Zeller, 1875) *(Grapholitha)*
620764 *umbrastriana* (Kearfott, 1907) *(Thiodia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
roseoterminana (Kearfott, 1907) *(Thiodia)*
subcandida (Heinrich, 1929) *(Thiodia)*
620765 *albertana* (McDunnough, 1925) *(Thiodia)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
620766 *essexana* (Kearfott, 1907) *(Thiodia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
620767 *awemeana* (Kearfott, 1907) *(Thiodia)* R -- YT -- -- BC AB SK MB ON QC -- NF NB NS --
620768 *ferruginana* (Fernald, 1882) *(Semasia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
620769 *indeterminana* (McDunnough, 1925) *(Thiodia)* R -- -- -- -- BC AB P MB ON QC -- -- NB -- --
620770 *altana* (McDunnough, 1927) *(Thiodia)* R -- -- -- -- BC -- -- -- -- -- -- -- NB -- --

artemisiana group Wright & Gilligan, 2015

620771 *artemisiana* (Walsingham, 1879) *(Semasia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
620772 *infimbriana* (Dyar, 1904) *(Thiodia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
candidula (Heinrich, 1924) *(Thiodia)*
620775 *setonana* (McDunnough, 1927) *(Thiodia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
620776 *octopunctana* (Walsingham, 1895) *(Semasia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
620777 *festivana* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- -- P SK MB -- -- -- -- -- -- --
620778 *youngi* (McDunnough, 1925) *(Thiodia)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
620780 *insignata* (Heinrich, 1924) *(Thiodia)* R AK U -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: Specimens from YT in the CNC are of uncertain identity.
620781 *camdenana* (McDunnough, 1925) *(Thiodia)* R AK U -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: Specimens from YT in the CNC are of uncertain identity.

perangustana group Wright & Gilligan, 2015

620785 *perangustana* (Walsingham, 1879) *(Semasia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
620786 *kiscana* (Kearfott, 1907) *(Thiodia)* R -- -- -- -- BC AB -- -- ON QC -- -- NB NS --
speculigera (Meyrick, 1912) *(Thiodia)*

lapidana group Wright & Gilligan, 2015

620787 *lapidana* (Walsingham, 1879) *(Semasia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
lepidana (Heinrich, 1929) *(Semasia)*
620789 *kokana* Kearfott, 1907 *(Eucosma)* R -- -- -- -- -- H -- MB ON QC -- -- -- -- --
NOTE: Specimens from AB in the CUIC were collected indoors.
chortaea Meyrick, 1912 *(Eucosma)*
sororiana (Heinrich, 1923) *(Thiodia)*
620790 *ambodaidaleia* (Miller, 1983) *(Phaneta)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen of this species collected in ON by KS and verified by JJD.

griseocapitana group Wright & Gilligan, 2015

620791 *griseocapitana* (Walsingham, 1879) *(Semasia)* R -- -- -- -- BC -- -- MB -- -- -- -- -- -- --

striatana group Wright & Gilligan, 2015

620796 *striatana* (Clemens, 1860) *(Anchylopera)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --
albicepsana (Walker, 1863) *(Paedisca)*
trivittana (Zeller, 1875) *(Grapholitha)*
620797 *occidentalis* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620798 *implicata* (Heinrich, 1931) *(Thiodia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620799 *pallidicostana* (Walsingham, 1879) *(Semasia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

clavana group Wright & Gilligan, 2015

620800 *clavana* (Fernald, 1882) *(Semasia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
620801 *indagatricana* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
verecundana (Blanchard, 1979) *(Phaneta)*
620802 *misturana* (Heinrich, 1923) *(Thiodia)* R EP YT -- -- BC AB SK MB ON -- -- -- -- -- --
NOTE: The report by Heinrich (1923) of this species from "White Pass AK" is actually a northwestern BC locality. However, it likely occurs in the state.
620803 *dorsiatomana* (Kearfott, 1905) *(Thiodia)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
620805 *fertoriana* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- BC AB -- MB -- -- -- -- -- -- --
620806 *crassana* (McDunnough, 1938) *(Thiodia)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: The MB record by Pohl et al. (2014) is based on a misdetermination.
620807 *labiata* (Wright, 2010) *(Phaneta)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

spiculana group Wright & Gilligan, 2015

620808 *spiculana* (Zeller, 1875) *(Grapholitha)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --
argenticostana (Walsingham, 1879) *(Semasia)*

corculana group Wright & Gilligan, 2015

620812 *corculana* (Zeller, 1874) *(Semasia)* R -- -- -- -- BC AB SK -- -- -- U -- -- -- --
NOTE: The LB record in the USNM is uncertain (Wright & Gilligan 2015).

tarandana group Wright & Gilligan, 2015

620816 *tarandana* (Möschler, 1874) *(Grapholitha)* R -- YT NT -- BC AB SK MB -- QC LB NF -- -- --
NOTE: This species has historically been confused with *E. montanana*; the distinguishing features of each was clarified by Jaeger et al. (2013).
taradana (Heinrich, 1923) *(Grapholitha)*
triangulana (Kearfott, 1905) *(Thiodia)*
620817 *transversa* (Walsingham, 1895) *(Semasia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
620818 *montanana* (Walsingham, 1884) *(Semasia)* R AK YT -- -- BC AB SK MB ON -- -- -- -- -- --
clarkei (Blanchard & Knudson, 1983) *(Phaneta)*

elongana group Wright & Gilligan, 2015

620820 *elongana* (Walsingham, 1879) *(Semasia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
620821 *rupestrana* (McDunnough, 1925) *(Thiodia)* R -- -- -- -- BC AB -- -- ON P -- -- -- -- --
vernalana (McDunnough, 1942) *(Thiodia)*
620823 *offectalis* (Hulst, 1886) *(Crambus)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
obliterana (Walsingham, 1895) *(Semasia)*

stramineana group Wright & Gilligan, 2015

620827 *parvana* (Walsingham, 1879) *(Semasia)* U -- -- -- -- -- U U -- -- -- -- -- -- -- --
NOTE: Historical records of this species from AB and SK (Kearfott 1905a, Bowman 1951) are unvouchered, and may refer to other *Eucosma* or *Pelochrista* species.

convergana group Wright & Gilligan, 2015

620830 *convergana* (McDunnough, 1925) *(Thiodia)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

620831 *modernana* (McDunnough, 1925) *(Thiodia)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --

parmatana group Wright & Gilligan, 2015

620832 *parmatana* (Clemens, 1860) *(Ephippiphora)* R -- YT -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: This taxon exhibits considerable genetic and morphological variation, and may be a complex of species.
alterana (Heinrich, 1923) *(Thiodia)*
alternana (Brodie, 1929) *(Thiodia)*
crispana (Clemens, 1865) *(Steganoptycha)*
kennebecana (Kearfott, 1907) *(Epinotia)*
marmontana (Kearfott, 1907) *(Proteopteryx)*
perfuscana (Heinrich, 1923) *(Thiodia)*
sinestrigana (McDunnough, 1938) *(Thiodia)*
620834 *oregonensis* (Heinrich, 1923) *(Thiodia)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
620835 *ochroterminana* (Kearfott, 1907) *(Thiodia)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
620836 *tomonana* Kearfott, 1907 *(Eucosma)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
limigena Meyrick, 1912 *(Eucosma)*
620837 *raracana* (Kearfott, 1907) *(Thiodia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
fastidiosa (Meyrick, 1912) *(Thiodia)*

ochrocephala group Wright & Gilligan, 2015

620838 *ochrocephala* (Walsingham, 1895) *(Semasia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB -- --
imbridana (Fernald, 1905) *(Cydia)*
620839 *sableana* Wright & Gilligan, 2015 *(Eucosma)* R -- -- -- -- -- -- -- -- -- -- -- -- NS --
NOTE: This species is endemic to Sable Island (NS) (Wright & Gilligan 2015).
620840 *verniochreana* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- -- -- -- -- -- -- -- -- NS PE
NOTE: New for Canada, based on specimens in the CNC.

Eucosma ungrouped Wright & Gilligan, 2015

620842 *olivaceana* (Riley, 1881) *(Grapholitha)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
620844 *modicellana* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
620845 *pallidarcis* (Heinrich, 1923) *(Thiodia)* R -- YT -- -- BC AB SK MB -- -- -- -- -- -- --
620849 *influana* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
musetta (Blanchard & Knudson, 1983) *(Phaneta)*
620851 *complicana* (McDunnough, 1925) *(Thiodia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This species is known only from the holotype, from Osoyoos (BC).
620852 *columbiana* (Walsingham, 1879) *(Semasia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620854 *salmicolorana* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- E AB -- -- -- -- -- -- -- -- --
NOTE: The only Canadian specimen known is from Onefour (AB), collected by JFL in 1983, and deposited in the CNC. The BC record by Cannings & Scudder (2007) is not supported by vouchers, and was deemed "erroneous" by Pohl et al. (2015b).
620856E *tenuiana* (Walsingham, 1879) *(Semasia)* E -- -- -- -- -- -- E E -- E -- -- -- -- --
NOTE: Historical reports of this species in Canada are erroneous, and refer to other similar species (Wright 2013).
620858 *nepotinana* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- BC AB -- MB -- -- -- -- -- -- --
620861 *alatana* (McDunnough, 1938) *(Thiodia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620863 *latens* (Heinrich, 1929) *(Thiodia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620866 *fasciculatana* (McDunnough, 1938) *(Thiodia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: Known globally only from two specimens from Penticton (BC).
620867 *spectana* (McDunnough, 1938) *(Thiodia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
620868 *southamptonensis* (Heinrich, 1935) *(Thiodia)* R AK YT NT NU -- -- -- -- -- P -- -- -- -- --
urnigera Meyrick, 1937 *(Eucosma)*
620871 *apacheana* (Walsingham, 1884) *(Semasia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
620872 *ornatula* (Heinrich, 1924) *(Thiodia)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
620842.1E *aspidiscana* (Hübner, [1817]) *(Tortrix)* E -- -- -- -- -- -- -- -- -- -- -- -- -- E --
NOTE: This otherwise Palaearctic species was reported from NS by Perrin & Russell (1912). That record is assumed to refer to some other similar species.
620873 *hohenwartiana* ([Denis & Schiffermüller], 1775) *(Tortrix)** U U -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: The AK record by Ferris et al. (2012) is the only known report of this otherwise Palaearctic species in NA.

Eucosmini (unplaced)

620874E *apriliana* (Grote, 1877) *(Exentera)* E -- -- -- -- -- -- -- E P P -- -- -- -- --
NOTE: Kearfott's (1905b) MB record is assumed to be erroneous, as no vouchers are known and this species is otherwise unknown in Canada. However, the species was described from Albany (NY) and it could occur in southern ON and QC.
aprilana (Brown, 2005) *(Exentera)*

620876 *delphinoides* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

620879 *fuscana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

620880 *gomonana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- MB P -- -- -- -- -- --
discipula (Meyrick, 1912) *(Eucosma)*

***Pelochrista* Lederer, 1859**
tax info: Wright & Gilligan (2017)

robinsonana group Wright & Gilligan, 2017

621021 *robinsonana* (Grote, 1872) *(Conchylis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.
quintana (Zeller, 1875) *(Paedisca)*
tryonana (Kearfott, 1905) *(Eucosma)*

crambitana group Wright & Gilligan, 2017

620921 *crambitana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

agricolana group Wright & Gilligan, 2017

620889 *agricolana* (Walsingham, 1879) *(Paedisca)* R AK YT -- -- BC AB SK MB E E -- -- -- -- --
NOTE: Historical eastern records of this species refer to *P. argentialbana*, recognised as distinct by Wright & Gilligan (2017).
argentialbana of authors (not Walsingham, 1879) *(Paedisca)*
barbara (Miller, 1974) *(Eucosma)*
britana (McDunnough, 1927) *(Eucosma)*
smithiana (Walsingham, 1895) *(Paedisca)*

620889.1 *argentialbana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- BC AB SK MB ON QC -- -- P P PE
agricolana of authors (not Walsingham, 1879) *(Paedisca)*
flavana (Fernald, 1905) *(Eucosma)*
ochreana (Clemens, 1865) *(Steganoptycha)*
pergandeana (Fernald, 1905) *(Eucosma)*

620994 *morrisoni* (Walsingham, 1884) *(Paedisca)* R -- YT -- -- BC AB SK MB -- -- -- -- -- -- --

620975 *lathami* (Forbes, 1937) *(Eucosma)* R -- -- -- -- E E E -- ON -- -- -- -- -- --
NOTE: According to Wright & Gilligan (2017), *E. lathami* occurs only from the Great Lakes region eastwards, and is replaced by *E. morrisoni* from the Midwest westwards.

620959 *heathiana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --

albiguttana group Wright & Gilligan, 2017

620891 *albiguttana* (Zeller, 1875) *(Paedisca)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on two specimens in the CNC.

620946 *galenapunctana* (Kearfott, 1905) *(Eucosma)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

comatulana group Wright & Gilligan, 2017

620913 *comatulana* (Zeller, 1875) *(Paedisca)* R -- -- -- -- BC AB -- MB ON QC -- -- -- -- --
costastrigulana (Kearfott, 1907) *(Eucosma)*
pediasios (Miller, 1985) *(Eucosma)*
rindgei (Miller, 1985) *(Eucosma)*

621045 *vagana* (McDunnough, 1925) *(Eucosma)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --

621031 *serapicana* (Heinrich, 1923) *(Eucosma)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

620895E *atomosana* (Walsingham, 1879) *(Paedisca)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The BC record by Dyar (1904) and others is assumed to be a misidentification; this species is otherwise known only from CA (Wright & Gilligan 2017).

621048 *watertonana* (McDunnough, 1925) *(Eucosma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

621047 *wandana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
eumaea (Meyrick, 1912) *(Eucosma)*
ustulatana (Blanchard & Knudson, 1983) *(Eucosma)*
uta (Clarke, 1953) *(Eucosma)*

palabundana group Wright & Gilligan, 2017

621003 *palabundana* (Heinrich, 1923) *(Eucosma)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --

caniceps group Wright & Gilligan, 2017

620908 *caniceps* (Walsingham, 1884) *(Paedisca)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

621001 *optimana* (Dyar, 1893) *(Eucosma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

620906 *canariana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: Reported by Belton (1988) "feeding on currant in southern MB in the 1920s". No MB vouchers are known and this species is otherwise known only in WA and BC, so that is assumed to be erroneous.

maculosana group Wright & Gilligan, 2017

620972 *lafontainei* (Wright, 2012) *(Eucosma)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: This species is known in Canada from a specimen collected at Dry Island Buffalo Jump (AB) by C.D. Bird (Wright & Gilligan 2017).

fuscosparsa group Wright & Gilligan, 2017

620944E *fuscosparsa* (Walsingham, 1895) *(Paedisca)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The report from AB by Bowman (1951) refers to *Eucosma bilineana* (Pohl et al. 2010).

"section 2 ungrouped" Wright & Gilligan, 2017

620936 *fandana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
argyraula (Meyrick, 1912) *(Eucosma)*
chloroleuca (Meyrick, 1912) *(Eucosma)*
gandana (Kearfott, 1907) *(Eucosma)*

620902 *biquadrana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
palousana (Kearfott, 1907) *(Eucosma)*
subditiva (Heinrich, 1929) *(Eucosma)*
tahoensis (Heinrich, 1923) *(Eucosma)*

620947 *gelattana* Wright, 2007 *(Pelochrista)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

ridingsana group Wright & Gilligan, 2017

621019 *ridingsana* (Robinson, 1869) *(Conchylis)* R -- YT -- -- BC AB SK MB E -- -- -- -- -- --
NOTE: The ON record by Forbes (1923) refers to *P. argentifurcatana*, raised from synonymy by Wright & Gilligan (2017).
magnidicana (Heinrich, 1923) *(Eucosma)*

621019.1 *argentifurcatana* (Grote, 1876) *(Conchylis)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
hipeana (Grote, 1876) *(Conchylis)*

620937 *fernaldana* (Grote, 1880) *(Paedisca)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
NOTE: This species may be a colour morph of *P. ridingsana* (Wright & Gilligan 2017); it differs only by the pinkish tinge to the wings.

620964 *immaculana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- SK -- -- -- -- -- -- -- --
betana (McDunnough, 1942) *(Eucosma)*

luridana group Wright & Gilligan, 2017

620979 *luridana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

620966 *invicta* (Walsingham, 1895) *(Paedisca)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

canana group Wright & Gilligan, 2017

620905 *canana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
expolitana (Heinrich, 1923) *(Eucosma)*
metariana (Heinrich, 1923) *(Eucosma)*

621022 *rorana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC -- -- MB -- -- -- -- -- -- --
sceletopa (Meyrick, 1912) *(Eucosma)*

621007E *passerana* (Walsingham, 1879) *(Paedisca)* E -- -- -- -- E -- -- E -- -- -- -- -- -- --
NOTE: Historical records from BC and MB are deemed erroneous, as no vouchers are known north of WA.

621050 *womonana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material from Port Franks (ON), collected recently by KS.
seminitis (Meyrick, 1912) *(Eucosma)*

621051 *zomonana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
explosa (Meyrick, 1912) *(Eucosma)*

reversana group Wright & Gilligan, 2017

620971 *kingi* Wright, 2008 *(Pelochrista)* R -- -- -- -- BC AB SK U -- -- -- -- -- -- --
NOTE: Most material previously identified in Canadian collections as "*Eucosma*" *occipitana*, following Heinrich (1923), has been described recently as *P. kingi* (Wright 2008). Material in the RSM from MB has not been verified but is likely *P. kingi* as well.

"section 3 ungrouped" Wright & Gilligan, 2017

621016 *ragonoti* (Walsingham, 1895) *(Paedisca)* R -- -- -- -- BC AB -- MB -- -- -- -- -- -- --
barnesiana (Dyar, 1903) *(Eucosma)*

620995 *nandana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
chersaea (Meyrick, 1912) *(Eucosma)*

620917 *corosana* (Walsingham, 1884) *(Paedisca)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
nuntia (Heinrich, 1929) *(Eucosma)*

621028 *scintillana* (Clemens, 1865) *(Callimosema)* R -- -- -- -- BC AB SK MB ON P LB -- -- -- --
circulana of authors (not Hübner, 1823) *(Eucosma)*
dodecana (Zeller, 1875) *(Paedisca)*
paraglypta (Meyrick, 1912) *(Eucosma)*
randana (Kearfott, 1907) *(Eucosma)*

pulveratana group Wright & Gilligan, 2017

621014E *pulveratana* (Walsingham, 1884) *(Paedisca)* E -- -- -- -- -- E -- E -- -- -- -- -- -- --
NOTE: According to Wright (2011), this species is restricted to southwestern USA, and Canadian records refer to the recently described *P. seamansi*.

620914 *consobrinana* (Heinrich, 1923) *(Eucosma)* R -- -- -- -- -- -- U MB -- -- -- -- -- -- --
NOTE: A SK specimen in the GRP collection is not identified with certainty.

621038E *suadana* (Heinrich, 1923) *(Eucosma)* E -- -- -- -- -- E -- E -- -- -- -- -- -- --
NOTE: Canadian records of this species are erroneous, and refer to the recently described *P. seamansi*, according to Wright (2011).
aeana (McDunnough, 1942) *(Eucosma)*

621029 *seamansi* (Wright, 2011) *(Eucosma)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

palpana group Wright & Gilligan, 2017

620985 *mediostriata* (Walsingham, 1895) *(Paedisca)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
sepulchrana (Clarke, 1958) *(Eucosma)*
sepulcrana (Meyrick, 1927) *(Eucosma)*

matutina group Wright & Gilligan, 2017

620984 *matutina* (Grote, 1873) *(Penthina)* R -- -- -- -- -- -- SK MB ON QC -- -- -- -- --
grotiana (Kearfott, 1908) *(Eucosma)*

juncticiliana group Wright & Gilligan, 2017

620969 *juncticiliana* (Walsingham, 1879) *(Paedisca)* U -- -- -- -- U U -- E E E -- -- -- -- --
NOTE: This species was confused with *P. derelicta* by Heinrich (1923), and literature and museum records have been confused ever since. All Canadian records east of AB refer to *P. derelicta*, but some BC and AB records previously identified as *P. excusabilis* (now a synonyym) may be correct.
excusabilis (Heinrich, 1923) *(Eucosma)*
620926 *derelicta* (Heinrich, 1929) *(Eucosma)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
derelecta of authors, [no date] *(Pelochrista)*

cataclystiana group Wright & Gilligan, 2017

620909 *cataclystiana* (Walker, 1863) *(Paedisca)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
620916 *conspiciendana* (Heinrich, 1923) *(Eucosma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

grandiflavana group Wright & Gilligan, 2017

621039 *subflavana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

primulana group Wright & Gilligan, 2017

620901 *biplagata* (Walsingham, 1895) *(Paedisca)* R U -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: Reported as "uncertain" for AK by Ferris et al. (2012).

dorsisignatana group Wright & Gilligan, 2017

620930 *dorsisignatana* (Clemens, 1860) *(Poecilochroma)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
clavana (Zeller, 1875) *(Paedisca)*
diffusana (Kearfott, 1905) *(Eucosma)*
distigmana (Walker, 1863) *(Carpocapsa)*
621034 *similiana* (Clemens, 1860) *(Poecilochroma)* R -- -- -- -- E AB P MB ON QC -- -- NB NS PE
NOTE: Reported from BC by Dyar (1904) but that is erroneous; BC specimens have been redetermined as *P. dorsisignatana*. Wright & Gilligan (2017) reported this species from eastern NA only as far west as MB, but a specimen in the AAFC Saskatoon collection from Wainwright (AB) collected by A.R. and J.E. Brooks has been confirmed by GRP.
confluana (Kearfott, 1905) *(Eucosma)*
engelana (Kearfott, 1908) *(Eucosma)*
similana (Fernald, 1882) *(Poecilochroma)*
621002 *oraria* (Wright, 2011) *(Eucosma)* R -- -- -- -- -- -- -- -- -- -- -- NB NS --
NOTE: The NB record is a photo taken in Kent County in 2016 by S. Tingley, submitted to iNaturalist (photo #4669963) and confirmed by JJD.

"section 4 ungrouped" Wright & Gilligan, 2017

620893 *argenteana* (Walsingham, 1895) *(Paedisca)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
idahoana (Kearfott, 1907) *(Eucosma)*
621032 *serpentana* (Walsingham, 1895) *(Paedisca)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
ophionana (McDunnough, 1925) *(Eucosma)*
620977 *lolana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
leucomalla (Meyrick, 1912) *(Eucosma)*
620962 *hohana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
syrtodes (Meyrick, 1912) *(Eucosma)*
620929 *dodana* (Kearfott, 1907) *(Eucosma)* R AK YT -- -- BC AB SK -- -- -- -- -- -- -- --
NOTE: Material from subarctic habitat near Lake Athabasca in SK is a range extension for this species, which is otherwise restricted to arctic/alpine habitats.
annulata (Meyrick, 1912) *(Eucosma)*
fofana (Kearfott, 1907) *(Eucosma)*
spilophora (Meyrick, 1912) *(Eucosma)*
620989 *milleri* Wright, 2007 *(Pelochrista)* R -- -- -- -- -- -- -- MB P QC -- -- -- -- --

620960 *heinrichi* (McDunnough, 1925) *(Eucosma)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
620881 *jejunana* (McDunnough, 1942) *(Eucosma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
620978 *louisana* (McDunnough, 1944) *(Eucosma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
620910 *cinereolineana* (Heinrich, 1923) *(Thiodia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
620951 *graduatana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- -- -- -- MB ON U -- -- -- -- --
NOTE: A specimen collected by A.F. Winn at "Highgate" on 15 June 1907 in the AMNH was likely collected in QC (Wright & Gilligan 2017).
620882E *occipitana* (Zeller, 1875) *(Paedisca)* E -- -- -- -- E E -- E -- -- -- -- -- -- --
NOTE: Records of this species in Canada, including AB records by Bowman (1951), refer to *P. kingi*, which had not been described at the time of Bowman's publication. True *P. occipitana* is not known to occur north of CO.
620986 *medullana* (Staudinger, 1879) *(Grapholitha)*+ XI -- -- -- -- XI -- -- -- -- -- -- -- -- -- --
NOTE: This species was introduced from Europe for biocontrol of knapweed (*Centaurea* spp.) (Weeden et al. 2002). Apparently it has not established in Canada (Winston et al. 2014).

Eucopina Gilligan & Wright, 2012

621052 *sonomana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
621053 *gloriola* (Heinrich, 1931) *(Eucosma)* R -- -- -- -- -- -- -- MB ON QC -- -- -- NS --
621054 *bobana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
antichroma (Meyrick, 1912) *(Eucosma)*
621055 *ponderosa* (Powell, 1968) *(Eucosma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
621058 *rescissoriana* (Heinrich, 1920) *(Eucosma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
recissoriana (Powell, 1983) *(Eucosma)*
621060 *monitorana* (Heinrich, 1920) *(Eucosma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
621061 *tocullionana* (Heinrich, 1920) *(Eucosma)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
621062 *siskiyouana* (Kearfott, 1907) *(Evetria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Epiblema Hübner, [1825]

621064 *boxcana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
aspista (Meyrick, 1912) *(Eucosma)*
621065 *strenuana* (Walker, 1863) *(Grapholita)* R -- -- -- -- -- -- U -- ON QC -- -- -- -- --
NOTE: Gilligan et al. (2008) reported this species from "across southern Canada", but confirmed Canadian records are known only from ON and QC. A SK specimen in AGRL requires confirmation.
antaxia (Meyrick, 1920) *(Eucosma)*
exvagana (Walker, 1863) *(Grapholita)*
flavocellana (Clemens, 1865) *(Steganoptycha)*
minutana (Kearfott, 1905) *(Eucosma)*
subversana (Zeller, 1875) *(Grapholita)*
621066 *abruptana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
621078 *tripartitana* (Zeller, 1875) *(Paedisca)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
621079 *glenni* Wright, 2002 *(Epiblema)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This new Canadian record from southern ON, collected recently by KS, has been verified by DNA barcoding.
621080 *gibsoni* Wright & Covell, 2003 *(Epiblema)* U -- -- -- -- -- -- -- -- U -- -- -- -- -- --
NOTE: The southern ON record by KS is plausible but has not been verified; this species is known from adjacent MI.
621081 *benignatum* McDunnough, 1925 *(Epiblema)* R -- -- -- -- -- AB SK MB ON P -- -- -- -- --
621082 *scudderiana* (Clemens, 1860) *(Hedya)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
affusana (Zeller, 1875) *(Paedisca)*
saligneana (Clemens, 1865) *(Euryptychia)*
621083P *discretivana* (Heinrich, 1921) *(Eucosma)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species is known from ME and was listed as "probable" for QC by Handfield et al. (1997).
621084 *obfuscana* (Dyar, 1903) *(Eucosma)* R -- -- -- -- -- AB -- MB ON QC -- -- NB -- --
obfuscata (Riley, 1888) *(Paedisca)*
621085 *desertana* (Zeller, 1875) *(Paedisca)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
621087 *carolinana* (Walsingham, 1895) *(Paedisca)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
621089 *hirsutana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- BC -- SK MB -- -- -- -- -- -- --
621091 *radicana* (Walsingham, 1879) *(Paedisca)* U -- -- -- -- U -- -- -- -- -- -- -- -- -- --

NOTE: No specimens are known to support the BC record by Blackmore (1924, as *E. gratuitana*, a synonym), but the species is known from WA and likely occurs in BC as well.

gratuitana Heinrich, 1923 *(Epiblema)*
serangias (Meyrick, 1912) *(Eucosma)*
vomonana (Kearfott, 1907) *(Eucosma)*

621092 *walsinghami* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --
621093 *periculosana* Heinrich, 1923 *(Epiblema)* R -- -- -- -- BC AB -- -- -- QC -- -- -- -- --
621094 *iowana* McDunnough, 1935 *(Epiblema)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
naoma Clarke, 1953 *(Epiblema)*
621095 *lyallana* McDunnough, 1935 *(Epiblema)* R -- -- -- -- -- AB -- -- -- QC -- -- -- -- --
621096 *simploniana* (Duponchel, 1835) *(Carpocapsa)** R AK YT -- -- -- -- -- -- -- -- -- -- -- -- --
arctica Miller, 1985 *(Epiblema)*
621097 *infelix* Heinrich, 1923 *(Epiblema)* U -- -- -- -- -- -- -- -- U -- -- -- -- -- --
NOTE: The southern ON record by KS is plausible but has not been verified; this species is known from adjacent MI.
621098 *otiosana* (Clemens, 1860) *(Monosphragis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB U --
NOTE: The NS record by Perrin (1915) is unverified.
inclinana (Zeller, 1875) *(Paedisca)*
621099 *brightonana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC -- -- MB ON QC -- -- NB NS --
621100 *tandana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- MB P QC -- -- -- -- --
trapezitis (Meyrick, 1912) *(Eucosma)*
621101 *resumptana* (Walker, 1863) *(Penthina)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --
abbreviatana (Walsingham, 1879) *(Paedisca)*
621102 *dorsisuffusana* (Kearfott, 1908) *(Eucosma)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material from Port Franks (ON), collected recently by KS.

Notocelia **Hübner, 1825**

621105 *rosaecolana* (Doubleday, 1850) *(Spilonota)*+ R -- -- -- -- BC -- -- -- ON QC -- NF P NS --
NOTE: Historical reports of the Old World species *N. trimaculana* in NA refer to this species.
trimaculana of authors (not Haworth, [1811]) *(Tortrix)*
621106 *cynosbatella* (Linnaeus, 1758) *(Tinea)*+ R -- -- -- -- BC AB -- -- ON -- -- NF -- -- --
621107 *purpurissatana* (Heinrich, 1923) *(Epiblema)* R AK -- NT -- BC AB SK P ON -- -- -- -- NS PE
621108 *illotana* (Walsingham, 1879) *(Paedisca)* R -- -- NT -- BC AB SK MB ON QC -- -- -- NS PE
621109 *culminana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- BC AB SK MB ON QC -- NF -- NS --

Suleima **Heinrich, 1923**

621110 *helianthana* (Riley, 1881) *(Semasia)* R -- -- -- -- -- -- SK MB ON -- -- -- -- -- --
621113E *lagopana* (Walsingham, 1884) *(Steganoptycha)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Handfield et al. (1997) is presumed to be erroneous; this species is otherwise unknown outside CA.
621114 *baracana* (Kearfott, 1907) *(Thiodia)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
caracana (Kearfott, 1907) *(Thiodia)*
famosa (Meyrick, 1912) *(Thiodia)*
oxyleuca (Meyrick, 1912) *(Thiodia)*
621115 *cinerodorsana* Heinrich, 1923 *(Suleima)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Sonia **Heinrich, 1923**

621116 *constrictana* (Zeller, 1875) *(Paedisca)* R -- -- -- -- -- -- -- MB -- QC -- -- -- -- --
621117P *paraplesiana* Blanchard & Knudson, 1980 *(Sonia)* P -- -- -- -- -- -- -- -- P -- -- -- -- -- --
NOTE: This species is expected in ON, as it is known in adjacent USA.
621118 *canadana* McDunnough, 1925 *(Sonia)* R -- -- -- -- -- -- U MB ON QC -- -- -- -- --
NOTE: SK material in AGRL requires confirmation.
621119 *vovana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- SK -- -- E -- -- -- -- --
NOTE: A specimen collected in Grasslands National Park (SK) by R. Hooper and D. Pepper is the only verified Canadian record of this species. The QC record by Handfield et al. (1997) is highly doubtful; this grasslands species is otherwise unknown east of KS (Gilligan et al. 2008).
fraternana (Busck, 1907) *(Hendecaneura)*
typicodes (Meyrick, 1912) *(Eucosma)*

Gypsonoma Meyrick, 1895

621124 *fasciolana* (Clemens, 1864) *(Anchylopera)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE
blakeana (Grote, 1873) *(Penthina)*

621125 *nebulosana* (Packard, 1866) *(Grapholitha)* R -- -- NT -- U AB -- MB ON -- LB NF -- -- --
NOTE: BC material in the BOLD database requires verification.

621126 *parryana* (Curtis, 1835) *(Argyrotosa)** R AK YT NT NU -- U -- MB -- QC -- -- -- -- --
NOTE: The AB record by Bowman (1951) could not be verified.

621127 *haimbachiana* (Kearfott, 1907) *(Epinotia)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --

621128 *substitutionis* Heinrich, 1923 *(Gypsonoma)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
NOTE: Prior to the description of this species in 1923, the Palaearctic name *G. incarnana* was used.
incarnana of authors (not Haworth, [1811]) *(Tortrix)*

621129 *salicicolana* (Clemens, 1864) *(Hedya)* R -- -- -- -- BC AB SK MB ON QC -- NF -- NS --
saliciana (Clemens, 1864) *(Hedya)*

621130 *adjuncta* Heinrich, 1924 *(Gypsonoma)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

621131E *nitidulana* (Lienig & Zeller, 1846) *(Phoxopteris)** E -- E -- -- -- -- -- -- -- -- -- -- -- --
NOTE: This otherwise European species was reported from YT by Lafontaine & Wood (1997). In the absence of voucher material, we treat this as an erroneous record. Lafontaine & Wood (1997) did not report *G. fasciolana* from YT, but there is *G. fasciolana* material in the CNC, and those specimens are likely the source of the *G. nitidulana* record.

621132 *aceriana* (Duponchel, 1842) *(Penthina)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Proteoteras Riley, 1881

621133 *aesculana* Riley, 1881 *(Proteoteras)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

621135 *willingana* (Kearfott, 1904) *(Proteopteryx)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --

621136 *crescentana* Kearfott, 1907 *(Proteoteras)* R -- -- -- -- -- AB SK MB ON QC -- -- P NS --

621137 *naracana* Kearfott, 1907 *(Proteoteras)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
praesinospila Meyrick, 1912 *(Proteoteras)*

621138 *moffatiana* Fernald, 1905 *(Proteoteras)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

621139 *arizonae* Kearfott, 1907 *(Proteoteras)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

621140 *obnigrana* Heinrich, 1923 *(Proteoteras)* R -- -- -- -- U U -- MB ON QC -- -- -- NS --
NOTE: Based on DNA barcoding data, material from BC and AB is genetically distinct from eastern material and may be another species.

Zeiraphera Treitschke, 1829
tax info: Mutuura & Freeman (1966)

621142 *pacifica* Freeman, 1966 *(Zeiraphera)* R -- -- -- -- BC U -- -- -- -- -- -- -- -- --
NOTE: A specimen of this species from Kootenay Plains (AB) appears to be this species, which is otherwise thought to be restricted to Sitka Spruce (*Picea sitchensis* (Bong.) Carrière) on the West Coast of BC.

621143 *canadensis* Mutuura & Freeman, [1967] *(Zeiraphera)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Prior to the description of this species in 1967, the Palaearctic name *Z. ratzeburgiana* was used for this species in NA.
ratzeburgiana of authors (not Saxesen, 1840) *(Tortrix)*

621144 *improbana* (Walker, 1863) *(Sciaphila)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: The Palaearctic name *Z. griseana*, and its synonyms *Z. diniana* and *Z. pinicolana* (Lienig & Zeller), have been extensively used in the past century for this species in NA. Ferris et al. (2012) reported *Z. griseana* as well as *Z. improbana* from AK, but we treat all NA populations as *Z. improbana*.
diffiniana (Walker, 1863) *(Paedisca)*
diniana of authors (not Guenée, 1845) *(Sphaleroptera)*
griseana of authors (not Hübner, 1799) *(Tortrix)*
indivisana (Walker, 1863) *(Sciaphila)*
pseudotsugana (Kearfott, 1904) *(Cydia)*

621145 *fortunana* (Kearfott, 1907) *(Epinotia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE

621146 *unfortunana* Ferris & Kruse, 2008 *(Zeiraphera)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS --
NOTE: This name was proposed by Powell in Hodges et al. (1983), but not formally described until 2008 (Ferris & Kruse 2008).
destitutana (Walker, 1863) *(Sciaphila)*
unfortunana Powell, 1983 *(Zeiraphera)*
unfortunata of authors, [no date] *(Zeiraphera)*

621147 *hesperiana* Mutuura & Freeman, [1967] *(Zeiraphera)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

621148 *vancouverana* McDunnough, 1925 *(Zeiraphera)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --
621149E *liturana* (Walsingham, 1879) *(Steganoptycha)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: This species was reported from MB by Kearfott (1905b), but that is deemed erroneous, this species is unknown in nNA. Kearfott's record likely refers to *Z. fortunana* which he described later, in 1907.

Pseudexentera **Heinrich, 1940**
tax info: Miller (1986)

621150 *cressoniana* (Clemens, 1864) *(Hedya)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
caryana McDunnough, 1940 *(Pseudexentera)*
621151 *faracana* (Kearfott, 1907) *(Proteopteryx)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on material from Port Franks (ON), collected recently by KS, and determined via DNA barcoding, confirmed by M. Sabourin.
621152 *sepia* Miller, 1986 *(Pseudexentera)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
621155 *haracana* (Kearfott, 1907) *(Proteopteryx)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
resoluta (Meyrick, 1912) *(Proteopteryx)*
621157 *spoliana* (Clemens, 1864) *(Hedya)* R -- -- -- -- -- AB -- -- ON QC -- -- NB NS --
621158 *mali* Freeman, 1942 *(Pseudexentera)* R -- -- -- -- -- -- -- -- ON QC -- -- U NS --
NOTE: The NB record by Belton (1988) could not be verified.
621159 *oregonana* (Walsingham, 1879) *(Semasia)* R -- YT -- -- BC AB SK MB ON QC -- NF NB NS PE
621160 *kalmiana* McDunnough, 1959 *(Pseudexentera)* R -- -- -- -- -- -- -- -- ON QC -- NF NB NS --
621161 *maracana* (Kearfott, 1907) *(Proteopteryx)* R -- -- -- -- BC AB -- MB ON QC -- -- NB P --
praescripta (Meyrick, 1912) *(Proteopteryx)*
621162 *vaccinii* Miller, 1986 *(Pseudexentera)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
621165 *costomaculana* (Clemens, 1860) *(Anchylopera)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
bipustulana (Walker, 1863) *(Batodes)*
621166 *virginiana* (Clemens, 1864) *(Anchylopera)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on material from Port Franks (ON), collected recently by KS.

Gretchena **Heinrich, 1923**
Gwendolina Heinrich, 1923

621167 *deludana* (Clemens, 1864) *(Hedya)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
621168 *concubitana* Heinrich, 1923 *(Gretchena)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
NOTE: New for Canada, based on BOLD material (QC, NB) and a recent collection by KS (ON).
621169 *watchungana* (Kearfott, 1907) *(Epinotia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
621171 *bolliana* (Slingerland, 1896) *(Steganoptycha)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
621172 *amatana* Heinrich, 1923 *(Gretchena)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
621173 *delicatana* Heinrich, 1923 *(Gretchena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
621176 *semialba* McDunnough, 1925 *(Gretchena)* R -- -- -- -- -- AB -- MB ON QC -- -- NB NS --
621177 *concitatricana* (Heinrich, 1923) *(Gwendolina)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on BOLD material.

Hendecaneura **Walsingham, 1900**
Eucosmodes Kuznetzov, 1973

621187 *shawiana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- -- -- -- -- ON P -- -- -- NS PE

Rhopobota **Lederer, 1859**
tax info: Gilligan et al. (2008)
Eumarissa Clarke, 1976

621188 *naevana* (Hübner, [1817]) *(Tortrix)** R AK YT NT -- BC AB SK P ON QC LB NF NB NS PE
geminana (Stephens, 1852) *(Lithographia)*
ilicifoliana (Kearfott, 1907) *(Epinotia)*
luctiferana (Walker, 1863) *(Sciaphila)*
unipunctana (Haworth, 1811) *(Tortrix)*
vacciniana (Packard, 1869) *(Anchylopera)*
621189 *dietziana* (Kearfott, 1907) *(Epinotia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
621190 *finitimana* (Heinrich, 1923) *(Kundrya)* R -- -- -- -- -- -- -- -- ON QC -- NF NB NS PE

***Epinotia* Hübner, [1825]**

Evetria of authors not Hübner, 1825
Griselda Heinrich, 1923
Paedisca Treitschke, 1830

621191 *radicana* (Heinrich, 1923) *(Griselda)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE

621192 *trigonella* (Linnaeus, 1758) *(Tinea)** R AK YT NT NU BC AB SK MB ON QC LB NF NB NS --

NOTE: Karsholt et al. (2015) treat the taxon *E. indecorana* as a valid species, but Brown (2005) and Gilligan et al. (2014) consider it to be a synonym; further work is warranted on this group.

indecorana Zetterstedt, 1839 *(Epinotia)*
jasperana Brown, 1980 *(Epinotia)*
petalonota (Meyrick, 1937) *(Eucosma)*
similana (Hübner, 1793) *(Tortrix)*
stroemiana (Fabricius, 1781) *(Pyralis)*

621193 *sperana* McDunnough, 1935 *(Epinotia)* R -- -- -- -- -- AB -- -- -- -- LB -- -- -- --

NOTE: This species may be conspecific with *E. trigonella* (Brown 1980). We know of no way to distinguish the two, and we list only published *sperana* records here, pending formal synonymy.

621194 *myricana* McDunnough, 1933 *(Epinotia)* R -- -- -- -- -- AB P MB ON QC -- NF -- -- --

621195 *solandriana* (Linnaeus, 1758) *(Tortrix)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE

621196 *abbreviana* (Fabricius, 1794) *(Pyralis)*+ R -- -- -- -- -- -- -- -- -- -- -- NF -- -- --

621198 *pulsatillana* (Dyar, 1903) *(Eucosma)* R AK -- -- -- BC AB -- -- -- E -- -- -- -- --

NOTE: The QC record by Handfield (2002) is extremely doubtful; this species is otherwise strictly western.

a *pulsatillana* (Dyar, 1903) *(Eucosma)* r ak -- -- -- bc ab -- -- -- -- -- -- -- -- --

b *siskiyouensis* Heinrich, 1923 *(Epinotia)*

621199 *medioviridana* (Kearfott, 1908) *(Eucosma)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --

621200 *castaneana* (Walsingham, 1895) *(Paedisca)* R AK -- -- -- BC AB SK P ON QC -- NF P P --

621201 *celtisana* (Riley, 1881) *(Paedisca)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

laracana (Kearfott, 1907) *(Proteopteryx)*
navalis (Meyrick, 1912) *(Proteopteryx)*

621202 *johnsonana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

621203 *madderana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --

621204 *sotipena* Brown, [1987] *(Epinotia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

621205 *vertumnana* (Zeller, 1875) *(Paedisca)* R -- -- -- -- -- -- -- U ON QC -- -- -- -- --

NOTE: The MB record by Kearfott (1905b) could not be verified. Heinrich's (1923) treatment of this species was based on misidentified *E. zandana*.

621206 *zandana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- U --

NOTE: The NS record by Lafontaine et al. (2001) could not be verified.

atristriga Clarke, 1953 *(Epinotia)*
peristicta (Meyrick, 1912) *(Eucosma)*

621207 *xandana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- AB P -- -- E -- -- -- -- --

NOTE: Historical QC records were deemed erroneous by Handfield (2002). This species is known in Canada only from a specimen from the Battle River Valley (AB), but it is probably more widespread in the West.

atacta (Meyrick, 1912) *(Eucosma)*
nothrodes (Meyrick, 1912) *(Eucosma)*
yandana (Kearfott, 1907) *(Eucosma)*

621208 *albicapitana* (Kearfott, 1907) *(Proteopteryx)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

621209 *hopkinsana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

a *hopkinsana* (Kearfott, 1907) *(Eucosma)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

b *cupressi* Heinrich, 1923 *(Epinotia)*

621210 *subviridis* Heinrich, 1929 *(Epinotia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

cantora Brown, 1980 *(Epinotia)*

621212 *subplicana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

basipunctana (Walsingham, 1879) *(Paedisca)*

621214 *rectiplicana* (Walsingham, 1879) *(Paedisca)* R AK P NT -- BC AB SK MB ON QC LB NF NB NS PE

621215 *corylana* McDunnough, 1925 *(Epinotia)* R -- YT -- -- P AB -- -- ON QC -- -- NB NS --

621216 *solicitana* (Walker, 1863) *(Grapholita)* R AK P NT -- BC AB P MB ON QC LB NF NB NS --

packardiana (Clemens, 1864) *(Halonota)*
tephrinana (Zeller, 1875) *(Paedisca)*

621218 *nisella* (Clerck, 1759) *(Phalaena)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS --

621219 *cinereana* (Haworth, 1811) *(Tortrix)** R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

NOTE: Nearctic populations traditionally treated as *E. criddleana* were recognised as being conspecific with the Palaearctic *E. cinereana* by Mutanen et al. (2012).

criddleana (Kearfott, 1907) *(Proteopteryx)*

621220 *albangulana* (Walsingham, 1879) *(Paedisca)* R AK YT -- -- BC AB SK -- -- -- -- -- -- -- --

621221 *walkerana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

621222 *transmissana* (Walker, 1863) *(Penthina)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE

621223 *removana* McDunnough, 1935 *(Epinotia)* R AK -- -- -- -- AB SK MB ON QC -- -- -- -- --

621224 *momonana* (Kearfott, 1907) *(Proteopteryx)* R -- -- NT -- BC AB P MB ON QC -- NF -- NS --

621225 *terracoctana* (Walsingham, 1879) *(Paedisca)* R AK -- -- -- BC -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Sanders (1991) is assumed to be a misidentification, as no vouchers could be found, and this species is otherwise unknown east of the Pacific Coast.

621226 *miscana* (Kearfott, 1907) *(Eulia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

semalea (Meyrick, 1912) *(Eucosma)*

621227 *silvertoniensis* Heinrich, 1923 *(Epinotia)* R -- YT -- -- BC AB SK -- -- -- -- -- -- -- --

621228 *huroniensis* Brown, 1980 *(Epinotia)* R -- -- -- -- -- -- -- -- P QC -- -- -- -- --

621229 *digitana* Heinrich, 1923 *(Epinotia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

621230 *nigralbanoidana* McDunnough, 1929 *(Epinotia)* R -- -- -- -- -- E -- -- ON -- -- -- -- NS --
NOTE: Report of this species from AB by Bowman (1951) is assumed to be erroneous. No AB voucher specimens can be found, and this species is otherwise not known in Canada west of Point Pelee (ON).

621231 *nigralbana* (Walsingham, 1879) *(Paedisca)* R -- -- -- -- BC AB U -- -- -- -- -- -- -- --
NOTE: A female specimen in the RSM from near Val Marie (SK) is not identified with certainty.

621234 *sagittana* McDunnough, 1925 *(Epinotia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

621235 *emarginana* (Walsingham, 1879) *(Proteopteryx)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: The MB record of this species by Prentice (1965) is deemed erroneous, as no vouchers are known, and it is otherwise unknown east of BC and WA.

anozirana Brown, 1980 *(Epinotia)*

621237 *columbia* (Kearfott, 1904) *(Proteopteryx)** R AK YT NT -- BC AB SK MB ON QC -- NF NB NS --
NOTE: Until recently, the Palaearctic name *E. crenana* has been used for Nearctic material that is now recognized as a distinct species, *E. columbia*.

albidorsana (Kearfott, 1904) *(Proteopteryx)*

crenana of authors (not Hübner, [1817]) *(Tortrix)*

mediostriana (Kearfott, 1904) *(Proteopteryx)*

621238 *bigemina* Heinrich, 1923 *(Epinotia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

621239 *bicordana* Heinrich, 1923 *(Epinotia)* R -- -- -- -- -- -- SK MB -- -- -- -- -- -- --

621240 *arctostaphylana* (Kearfott, 1904) *(Cydia)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --

621243 *nonana* (Kearfott, 1907) *(Eucosma)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --

carphologa (Meyrick, 1912) *(Eucosma)*

621244 *normanana* Kearfott, 1907 *(Epinotia)* R -- -- -- -- BC -- -- MB ON QC -- -- -- -- --

621245 *balsameae* Freeman, [1965] *(Epinotia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

621246 *nanana* (Treitschke, 1835) *(Coccyx)*+ R -- -- -- -- BC -- -- -- ON QC -- NF -- NS PE

domonana (Kearfott, 1907) *(Eucosma)*

efficax (Meyrick, 1912) *(Eucosma)*

piceafoliana Kearfott, 1908 *(Epinotia)*

621247 *tsugana* Freeman, 1967 *(Epinotia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

621248 *meritana* Heinrich, 1923 *(Epinotia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

621249 *aridos* Freeman, 1960 *(Epinotia)* R -- -- -- -- P AB -- -- -- -- -- -- -- -- --

621250 *lomonana* (Kearfott, 1907) *(Tortrix)* R AK -- -- -- BC AB P MB ON QC -- NF -- -- --

veneratrix (Meyrick, 1912) *(Tortrix)*

621252 *medioplagata* (Walsingham, 1895) *(Zeiraphera)** R AK YT NT -- BC AB SK MB ON QC LB -- NB -- --

621253 *cruciana* (Linnaeus, 1761) *(Tortrix)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --

alaskae Heinrich, 1923 *(Epinotia)*

cockleana (Kearfott, 1904) *(Enarmonia)*

direptana (Walker, 1863) *(Sciaphila)*

lepida Heinrich, 1924 *(Epinotia)*

vilisana (Walker, 1863) *(Sciaphila)*

621254 *plumbolineana* Kearfott, 1907 *(Epinotia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

russata Heinrich, 1924 *(Epinotia)*

621255 *septemberana* Kearfott, 1907 *(Epinotia)* R -- -- -- -- -- AB P MB ON QC -- NF NB NS --

621256 *vagana* Heinrich, 1923 *(Epinotia)* R AK -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Report from AB by Prentice (1965) is considered erroneous (Pohl et al. 2010).

621257 *seorsa* Heinrich, 1924 *(Epinotia)*‡ R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

blanchardi Brown, 1980 *(Epinotia)*

621258 *kasloana* McDunnough, 1925 *(Epinotia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
jojobana Brown, 1980 *(Epinotia)*
621259 *signiferana* Heinrich, 1923 *(Epinotia)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --
lunatana Brown, 1980 *(Epinotia)*
621260 *lindana* (Fernald, 1892) *(Steganoptycha)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
621261 *trossulana* (Walsingham, 1879) *(Grapholitha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
621262 *biangulana* (Walsingham, 1879) *(Steganoptycha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
621263 *salicicolana* Kuznetsov, 1968 *(Epinotia)*‡ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Catastega* Clemens, 1861**
tax info: Brown (1992)

621265 *aceriella* Clemens, [1862] *(Catastega)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
signatana (Clemens, 1864) *(Hedya)*
subnisana (Zeller, 1875) *(Grapholitha)*
variana (Clemens, 1864) *(Steganoptycha)*
621267 *timidella* Clemens, 1861 *(Catastega)*‡ R -- -- -- -- BC -- SK MB ON QC -- -- -- NS --

tribe Grapholitini Guenée, 1845

Dichrorampha Guenée, 1845

621275 *simulana* (Clemens, 1860) *(Halonota)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Historical BC records of the Old World species *D. alpinana* (Treitschke) refer to this species.
aurisignana Zeller, 1875 *(Dichrorampha)*
britana (Busck, 1906) *(Hemimene)*
capitana (Busck, 1906) *(Hemimene)*
kana (Busck, 1906) *(Lipoptycha)*
planiloqua (Meyrick, 1912) *(Lipoptycha)*
621276 *bittana* (Busck, 1906) *(Hemimene)* R -- -- -- -- -- AB SK P ON QC -- -- NB NS --
immaculata McDunnough, 1946 *(Dichrorampha)*
621277 *incanana* (Clemens, 1860) *(Halonota)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on a single specimen in the CNC.
nigromaculana (Kearfott, 1907) *(Hemimene)*
621278 *vancouverana* McDunnough, 1935 *(Dichrorampha)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
gueneeana Obraztsov, 1953 *(Dichrorampha)*
621279 *radicicolana* Walsingham, 1879 *(Dichrorampha)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
621280 *banana* (Busck, 1906) *(Lipoptycha)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
sordescens (Meyrick, 1912) *(Lipoptycha)*
621281 *piperana* (Busck, 1900) *(Hemimene)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
621282 *sedatana* (Busck, 1906) *(Hemimene)* R AK -- -- -- BC AB SK P ON QC -- -- NB NS --
NOTE: Use of the Old World name *D. plumbana* (Scopoli) by Dyar (1904) and others is erroneous; all Nearctic material is *D. sedatana*.
621283 *dana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
aequorea (Meyrick, 1912) *(Enarmonia)*
bradorensis McDunnough, 1930 *(Dichrorampha)*
621284 *leopardana* (Busck, 1906) *(Hemimene)* R -- -- -- -- -- -- -- -- ON -- -- -- -- NS --
621289 *petiverella* (Linnaeus, 1758) *(Tinea)*+ R -- -- -- -- -- -- -- -- -- -- -- NF -- NS PE
NOTE: New for Canada, based on material in the NSPM (NF, NS), and the GRP collection (PE), confirmed by JJD.
621290 *acuminatana* (Lienig & Zeller, 1846) *(Grapholitha)*+ R -- -- -- -- -- -- -- -- -- -- -- -- NB -- --
NOTE: New for Canada, based on material in the GRP collection, confirmed by JJD.
621291 *montanana* (Duponchel, 1843) *(Ephippiphora)*‡ R -- -- -- -- -- -- -- -- -- -- -- NF -- -- --
NOTE: This otherwise Palaearctic species was discovered recently in NF; specimens were confirmed via dissection by JJD.

***Pammene* Hübner, 1825**
Hemimene Hübner, 1825

621297 *felicitana* Heinrich, 1923 *(Pammene)* R -- -- -- -- BC AB SK P ON QC -- -- -- -- --

621298 *perstructana* (Walker, 1863) *(Sciaphila)* R -- -- -- -- BC AB P MB ON QC -- -- NB NS --
signifera (Heinrich, 1926) *(Hemimene)*
621299 *paula* (Heinrich, 1926) *(Hemimene)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
621300 *bowmanana* (McDunnough, 1927) *(Hemimene)* R -- -- -- -- -- AB -- -- ON QC LB -- NB -- --

***Larisa* Miller, 1978**
tax info: Miller (1978), Gilligan et al. (2008)

621302 *subsolana* Miller, 1978 *(Larisa)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

***Sereda* Heinrich, 1923**
tax info: Gilligan et al. (2008)

621304 *tautana* (Clemens, 1865) *(Halonota)* R -- -- -- -- -- -- SK MB ON QC -- -- -- NS --
lautana (Fernald, 1882) *(Enarmonia)*
perfluana (Zeller, 1875) *(Grapholitha)*

***Grapholita* Treitschke, 1829**
Grapholitha Treitschke, 1830

621305 *molesta* (Busck, 1916) *(Laspeyresia)*+ R -- -- -- -- IC -- -- -- ON QC -- NF -- -- --
NOTE: This exotic pest species, known as the Oriental Fruit Moth, was reported from BC by Cannings and Scudder (2007). However, that record was based on an interception that never became established in the province (Pohl et al. 2015b).
621306 *libertina* (Heinrich, 1926) *(Grapholitha)* R -- -- -- -- BC -- -- -- -- -- -- NF -- NS --
621307 *packardi* (Zeller, 1875) *(Grapholitha)* R -- -- -- -- BC AB -- -- ON QC -- -- NB NS --
pyricolana (Murtfeldt, 1891) *(Steganoptycha)*
621308 *prunivora* (Walsh, 1868) *(Semasia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
621309 *angeleseana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: New for Canada, based on a series of specimens in the CNC.
621310 *caeruleana* (Walsingham, 1879) *(Grapholitha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
eoleuca (Meyrick, 1912) *(Enarmonia)*
vana (Kearfott, 1907) *(Enarmonia)*
xanthospora (Meyrick, 1912) *(Enarmonia)*
zana (Kearfott, 1907) *(Enarmonia)*
621312 *vitrana* (Walsingham, 1879) *(Grapholitha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
621313 *fana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a single specimen in the CNC.
oenochroa (Meyrick, 1912) *(Enarmonia)*
621314 *conversana* (Walsingham, 1879) *(Grapholitha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
cupida (Meyrick, 1912) *(Enarmonia)*
wana (Kearfott, 1907) *(Enarmonia)*
621315 *imitativa* (Heinrich, 1926) *(Grapholitha)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
621316 *lunatana* (Walsingham, 1879) *(Grapholitha)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
621317 *eclipsana* (Zeller, 1875) *(Grapholitha)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
621319 *interstinctana* (Clemens, 1860) *(Stigmonota)* R U -- NT NU -- AB -- P ON QC -- -- NB U PE
NOTE: This species was reported as "uncertain" from AK by Ferris et al. (2012). The NS record by Lafontaine et al. (2001) could not be verified.
distema (Grote, 1873) *(Grapholitha)*
scitana (Walker, 1863) *(Dichrorampha)*
621320 *edwardsiana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
621321 *lana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- BC -- -- -- ON -- -- -- -- -- --
chrysotypa (Meyrick, 1912) *(Enarmonia)*
placerana (Kearfott, 1907) *(Enarmonia)*
vancouverana (Kearfott, 1907) *(Enarmonia)*
621323 *dyarana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
621324 *tristrigana* (Clemens, 1865) *(Stigmonota)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
saundersana (Kearfott, 1907) *(Enarmonia)*
621325 *delineana* Walker, 1863 *(Grapholita)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.

621326 *aureolana* (Tengström, 1848) *(Grapholitha)** R -- YT -- NU -- AB -- MB -- -- -- -- -- -- --
NOTE: This Holarctic species is newly discovered in NA, based on BOLD material that was confirmed via dissection by JFL.

Corticivora Clarke, 1951
tax info: Brown (1984)

621329 *clarki* Clarke, 1951 *(Corticivora)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
621330 *parva* Brown, 1984 *(Corticivora)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Port Franks (ON), collected recently by KS and confirmed via DNA barcode.

Cydia Hübner, [1825]
Laspeyresia Hübner, 1825
Melissopus Riley, 1881

621332 *coniferana* (Saxesen, 1840) *(Tortrix)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- NS --
separatana (Herrich-Schäffer, 1851) *(Grapholitha)*
621333 *bracteatana* (Fernald, 1880) *(Grapholitha)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: The AB record by Pohl et al. (2010) is based on misidentified material of *C. inopiosa*.
a *bracteatana* (Fernald, 1880) *(Grapholitha)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
b *curnutana* (Dyar, 1903) *(Grapholitha)*
621337 *laricana* (Busck, 1916) *(Laspeyresia)* R -- -- -- -- BC -- -- -- -- QC -- -- -- -- --
621338 *rana* (Forbes, 1924) *(Laspeyresia)* R -- YT -- -- BC AB -- -- ON QC -- -- -- NS --
621339 *inopiosa* (Heinrich, 1926) *(Laspeyresia)* R -- -- -- -- BC AB -- MB ON QC -- -- NB -- --
resinosae (Freeman, 1962) *(Laspeyresia)*
621340 *confusana* (McDunnough, 1935) *(Laspeyresia)* R -- -- -- -- BC -- -- -- ON -- -- -- -- -- --
621341 *obnisa* (Heinrich, 1926) *(Laspeyresia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
621342 *youngana* (Kearfott, 1907) *(Enarmonia)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS --
NOTE: Until recently, Nearctic populations were treated as part of a holarctic concept of the species *C. strobilella*, following Brown & Miller (1983). However, *C. youngana* was raised from synonymy and applied to Nearctic populations by Svensson et al. (2012).
strobilella of authors (not Linnaeus, 1758) *(Tortrix)*
621345 *garacana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
septicola (Meyrick, 1912) *(Enarmonia)*
621347 *multilineana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- -- AB -- MB -- QC -- -- -- -- --
621348 *ingrata* (Heinrich, 1926) *(Laspeyresia)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
621349 *albimaculana* (Fernald, 1879) *(Grapholitha)* R -- -- -- -- -- -- -- U ON QC -- -- -- -- --
NOTE: The MB record by Forbes (1923) could not be verified.
articulatana (Kearfott, 1908) *(Enarmonia)*
621351 *populana* (Busck, 1916) *(Laspeyresia)* R -- -- -- -- BC AB SK MB ON QC -- -- P NS --
621352 *lacustrina* (Miller, 1976) *(Laspeyresia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on BOLD specimens that have been confirmed by JJD.
621353 *flexiloqua* (Heinrich, 1926) *(Laspeyresia)* R -- YT -- -- BC AB SK MB ON QC -- NF P NS --
621354 *nigricana* (Fabricius, 1794) *(Pyralis)*+ R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
dandana (Kearfott, 1907) *(Enarmonia)*
novimundi (Heinrich, 1920) *(Laspeyresia)*
rusticella (Clerck, 1759) *(Phalaena)*
621355 *candana* (Forbes, 1923) *(Laspeyresia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
621357 *caryana* (Fitch, 1856) *(Ephippiphora)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
caryae (Skimer, 1869) *(Grapholitha)*
621358 *fletcherana* (Kearfott, 1907) *(Enarmonia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB -- PE
621359 *pseudotsugae* (Evans, 1969) *(Laspeyresia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
621362 *prosperana* (Kearfott, 1907) *(Enarmonia)* R AK YT -- -- BC AB SK -- -- -- -- -- -- -- --
621363 *costastrigulana* (McDunnough, 1935) *(Laspeyresia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
621364E *leucobasis* (Busck, 1916) *(Laspeyresia)* E E -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: This species was listed as "questionable" for AK by Ferris et al. (2012). No verified records are known north of MT.
621365 *gallaesaliciana* (Riley, 1881) *(Grapholitha)* R -- -- -- -- E -- -- MB ON QC -- -- P NS --
NOTE: The BC record by Dyar (1904) and other early workers was based on a determination by Kearfott that is assumed to be erroneous. No BC vouchers are known, and this species is otherwise unknown west of MB.
621366 *lautiuscula* (Heinrich, 1926) *(Laspeyresia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
621367 *americana* (Walsingham, 1879) *(Grapholitha)* R -- -- -- -- BC -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Winn (1912) is erroneous, and probably refers to *C. latiuscula* (Handfield et al. 1997).

621372	*toreuta* (Grote, 1873) *(Penthina)*	R	--	--	--	--	BC	AB	SK	P	ON	QC	--	--	NB	--	--			
621375	*piperana* Kearfott, 1907 *(Cydia)*	R	AK	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
621377	*miscitata* (Heinrich, 1926) *(Laspeyresia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
621380	*pomonella* (Linnaeus, 1758) *(Tortrix)*+	R	AK	--	--	--	BC	AB	--	E	ON	QC	LB	--	NB	NS	PE			
	NOTE: No vouchers are known for Brodie's (1929) MB record, and it is assumed to be erroneous. This species was recently introduced to Brooks (AB).																			
	b *simpsoni* Busck, 1903 *(Cydia)*	r	ak	--	--	--	bc	ab	--	--	on	qc	lb	--	nb	ns	pe			
621381	*deshaisiana* (Lucas, 1858) *([none])*+	H	--	--	--	--	H	--	--	--	H	H	--	H	H	H	--			
	NOTE: Larvae of this moth live in *Sebestiana* seeds and are known as "Mexican Jumping Beans"; they have been introduced for amusement but cannot survive in the wild in Canada.																			
	saltitans (Westwood, 1858) *(Carpocapsa)*																			
621383	*latiferreana* (Walsingham, 1879) *(Carpocapsa)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	NB	NS	--			
	aurichalceana (Riley, 1881) *(Melissopus)*																			
	inquilina Kearfott, 1907 *(Cydia)*																			
621384	*cornucopiae* (Tengström, 1869) *(Grapholitha)*	U	U	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
	NOTE: The AK record by Ferris et al. (2012) is the only known report of this otherwise Palaearctic species in NA.																			
	***Ecdytolopha* Zeller, 1875** tax info: Adamski & Brown (2001)																			
621387	*insiticiana* Zeller, 1875 *(Ecdytolopha)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	--	--	P	--			
	***Gymnandrosoma* Dyar, 1904** tax info: Adamski & Brown (2001)																			
621385	*punctidiscanum* Dyar, 1904 *(Gymnandrosoma)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--			
	***Pseudogalleria* Ragonot, 1884** tax info: Adamski & Brown (2001), Gilligan et al. (2008)																			
621391	*inimicella* (Zeller, 1872) *(Galleria)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	--	--			
	subfamily Chlidanotinae Meyrick, 1906																			
	tribe Hilarographini Diakonoff, 1977 tax info: Heppner (1983)																			
	***Thaumatographa* Walsingham, 1897**																			
621396	*youngiella* (Busck, 1922) *(Hilarographa)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
	olympica (Braun, 1923) *(Hilarographa)*																			

Superfamily COSSOIDEA Leach, 1815

56. Family COSSIDAE Leach, 1815 (carpenterworm moths; goat moths)

by G.R. Pohl

Most Cossidae are medium-sized to very large heavy-bodied moths, with wingspans ranging from about 25 to 100 mm in Nearctic species, and up to 236 mm in other parts of the world. The forewings usually are long and narrow, and the abdomen extends beyond the hind wing. Cossid larvae are woodborers or, in a few cases, tunnel in the soil and feed externally on roots. A few species are pests.

The family Cossidae contains about 970 described species throughout the world. Forty-six species are recorded in the Nearctic region; six occur in nNA. Little taxonomic work has been done on the group in the past century, but the nNA species are well known.

subfamily Zeuzerinae Boisduval, [1828]

Zeuzera Latreille, 1804

640005 *pyrina* (Linnaeus, 1761) *(Phalaena)*+ R -- -- -- -- -- -- -- -- ON S -- -- -- -- --
NOTE: The historical QC record from Montreal (Handfield 2011) is probably an accidental introduction.

subfamily Hypoptinae Neumögen & Dyar, 1894

Givira Walker, 1856

640013 *cornelia* (Neumögen & Dyar, 1893) *(Hypopta)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
caerulea (Dalla Torre, 1923) *(Hypopta)*

subfamily Cossinae Leach, 1815

Acossus Dyar, 1905

640025 *centerensis* (Lintner, 1877) *(Cossus)* R -- -- -- -- BC AB SK MB ON QC -- NF NB P PE
640026 *populi* (Walker, 1856) *(Cossus)* R -- YT -- -- BC AB SK MB ON QC -- -- NB P --
a *populi* (Walker, 1856) *(Cossus)*
po (Dalla Torre, 1923) *(Cossus)*
b *angrezi* (Bailey, 1882) *(Cossus)*
c *orc* (Strecker, 1893) *(Cossus)* r -- u -- -- bc ab -- -- -- -- -- -- -- -- --
generosa Dyar, 1925 *(Acossus)*
640027E *undosus* (Lintner, 1878) *(Cossus)* E -- -- -- -- E -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Sanders (1991) is assumed to be a misidentification of *A. populi*, a common and very similar boreal species that was not reported therein. Yakovlev (2007) reported this species from BC, but that also appears to be based on misidentified *A. populi*. *Acossus undosus* is not known to occur in Canada.

Prionoxystus Grote, 1882

640029 *robiniae* (Peck, 1818) *(Cossus)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
b *zabolicus* (Strecker, 1898) *(Cossus)*
c *mixtus* Barnes & Benjamin, 1923 *(Prionoxystus)*
flavotinctus Barnes & Benjamin, 1923 *(Prionoxystus)*
querciperda (Fitch, 1859) *(Cossus)*
subnigrus Barnes & Benjamin, 1923 *(Prionoxystus)*
640030 *macmurtrei* (Guérin-Méneville, 1829) *(Cossus)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

57. Family SESIIDAE Boisduval, 1828 (clearwing moths)

by G.R. Pohl

Clearwing moths are primarily medium-sized moths that mimic wasps. The wingspan in Nearctic species ranges from about 13 to 70 mm. The body is stout, elongate, and frequently marked and banded with white, yellow, orange, or red. The scales often are iridescent, and the wings have extensive areas that lack scales. Adult clearwing moths are diurnal. The larvae bore in roots, trunks and branches of trees, or in the stems and roots of herbaceous plants.

The Sesiidae consists of about 1400 named species worldwide; in the Nearctic region, 135 species are recorded, 62 of which occur in nNA, and one more is expected. The family was revised by Eichlin and Duckworth (1988), and a world checklist was published by Pühringer & Kallies (2004) and is maintained online by Pühringer & Kallies (2015).

subfamily Tinthiinae Le Cerf, 1917

tribe Tinthiini Le Cerf, 1917

Zenodoxus Grote & Robinson, 1868

640050 *canescens* Edwards, 1881 *(Zenodoxus)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
sidae Engelhardt, 1946 *(Zenodoxus)*

640056 *sidalceae* Engelhardt, 1946 *(Zenodoxus)* R -- -- -- -- U AB -- -- -- -- -- -- -- -- --
NOTE: Eichlin & Duckworth (1988) reported this species as "uncertain" for BC. No BC vouchers are known, but there is no reason to doubt it occurs there; it was described from Pullman (WA).

tribe Pennisetiini Naumann, 1971

Pennisetia Dehne, 1850
Bembecia of authors not Hübner, 1819

640057 *marginatum* (Harris, 1839) *(Trochilium)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.
albicoma (Hulst, 1883) *(Bembecia)*
flavipes (Hulst, 1881) *(Sesia)*
odyneripennis (Walker, 1856) *(Aegeria)*
pleciaeformis (Walker, 1856) *(Aegeria)*
rubi (Riley, 1874) *(Aegeria)*

subfamily Sesiinae Boisduval, 1828

tribe Paranthrenini Niculescu, 1964

Paranthrene Hübner, 1819

640058 *asilipennis* (Boisduval, 1829) *(Sesia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: A specimen from Hamilton (ON) in the ROM is the only known Canadian specimen.
bombyciformis (Walker, 1856) *(Tarsa)*
championi (Druce, 1883) *(Sphecia)*
denudatum (Harris, 1839) *(Trochilium)*
vespipenne (Herrich-Schäffer, 1854) *(Trochilium)*

640059 *simulans* (Grote, 1881) *(Trochilium)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
luggeri (Edwards, 1891) *(Trochilium)*
palmii (Edwards, 1887) *(Fatua)*

640060 *pellucida* Greenfield & Karandinos, 1979 *(Paranthrene)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

640061 *robiniae* (Edwards, 1880) *(Sciapteron)* R AK YT -- -- BC AB SK -- -- -- -- NF -- -- --
palescens Engelhardt, 1946 *(Paranthrene)*
perlucida (Busck, 1915) *(Memythrus)*

640062 *dollii* (Neumögen, 1894) *(Sciapteron)* R -- -- -- -- -- -- -- -- ON -- -- -- NB -- --
NOTE: Known in nNA only from a specimen collected in southern ON by KS, and from a photo taken at Doaktown, Northumberland Co. (NB) by K. MacIntosh.
castaneum (Beutenmüller, 1897) *(Sciapteron)*
fasciventris Engelhardt, 1946 *(Paranthrene)*

640063 *tabaniformis* (Rottemburg, 1775) *(Sphinx)** R AK -- -- -- U AB SK MB ON QC -- NF NB NS PE
NOTE: Eichlin and Duckworth (1988) reported this species from "across southern Canada and north into AK", but no confirmed BC records are known.
denotata (Edwards, 1882) *(Albuna)*
oslari Engelhardt, 1946 *(Paranthrene)*
serratiformis (Freyer, 1842) *(Sphinx)*
tricincta (Harris, 1839) *(Aegeria)*

***Vitacea* Engelhardt, 1946**

640065 *polistiformis* (Harris, 1854) *(Aegeria)* R -- -- -- -- -- E -- -- ON P -- -- -- -- --
NOTE: This species, known as the Grape Root Borer, is a common pest of grape (*Vitis* spp.) in eastern NA. It was reported from AB by Bowman (1951), but that is assumed to be erroneous.
huron Engelhardt, 1946 *(Vitacea)*
seminole (Neumögen, 1894) *(Sciapteron)*

***Albuna* Edwards, 1881**
Harmonia Edwards, 1882

640069 *pyramidalis* (Walker, 1856) *(Aegeria)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
coloradensis Edwards, 1881 *(Albuna)*
hylotomiformis (Walker, 1856) *(Aegeria)*
montana Edwards, 1881 *(Albuna)*
nomadaepennis (Boisduval, 1869) *(Sesia)*
rubescens (Hulst, 1881) *(Sesia)*
tanaceti Edwards, 1881 *(Albuna)*
torva Edwards, 1881 *(Albuna)*
vancouverensis Edwards, 1881 *(Albuna)*
640070 *fraxini* (Edwards, 1881) *(Carmenta)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
morrisoni (Edwards, 1882) *(Harmonia)*
vitriosa Engelhardt, 1946 *(Albuna)*

***Euhagena* Edwards, 1881**

640072 *nebraskae* Edwards, 1881 *(Euhagena)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
coloradensis (Beutenmüller, 1893) *(Pyrrhotaenia)*
intensa Engelhardt, 1946 *(Euhagena)*
mormoni Engelhardt, 1946 *(Euhagena)*

tribe Sesiini Boisduval, 1828

***Sesia* Fabricius, 1775**
Aegeria Fabricius, 1807

640074 *apiformis* (Clerck, 1759) *(Sphinx)*+ R -- -- -- -- -- -- -- -- ON QC -- NF -- -- --
crabroniformis ([Denis & Schiffermüller], 1775) *(Sphinx)*
640075 *tibiale* (Harris, 1839) *(Trochilium)* R -- YT -- -- BC AB SK MB ON QC -- -- U NS --
NOTE: The NB record by Lafontaine et al. (2001) could not be verified.
anonyma (Strand, 1925) *(Aegeria)*
californicum (Neumögen, 1891) *(Trochilium)*
dyari (Cockerell, 1908) *(Aegeria)*
flavitibia (Walker, 1856) *(Melittia)*
melanoformis (Engelhardt, 1946) *(Aegeria)*
minimum (Neumögen, 1891) *(Trochilium)*
pacificum (Edwards, 1881) *(Trochilium)*
640076 *spartani* Eichlin & Taft, 1988 *(Sesia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

tribe Melittiini Le Cerf, 1917

***Melittia* Hübner, 1819**

640081 *cucurbitae* (Harris, 1828) *(Aegeria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- P --
amoena Edwards, 1882 *(Melittia)*
ceto (Westwood, 1848) *(Trochilium)*
satyriniformis Hübner, 1831 *(Melittia)*

tribe Synanthedonini Niculescu, 1964

Synanthedon Hübner, 1819

640087 *acerrubri* Engelhardt, 1925 *(Synanthedon)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

640090 *scitula* (Harris, 1839) *(Aegeria)*+ R -- -- -- -- BC -- SK MB ON QC -- -- P P --

NOTE: This species probably occurs across southern Canada but there are no confirmed records known from NB and NS.

aemula (Edwards, 1883) *(Aegeria)*
corusca (Edwards, 1881) *(Aegeria)*
gallivorum (Westwood, 1854) *(Trochilium)*
hospes (Walsh, 1867) *(Trochilium)*

640091 *pictipes* (Grote & Robinson, 1868) *(Aegeria)* R -- -- -- -- -- AB SK MB ON QC -- U P NS --

NOTE: The NF record by Prentice (1965) could not be verified.

inusitata (Edwards, 1881) *(Aegeria)*

640092P *rhododendri* (Beutenmüller, 1909) *(Sesia)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --

NOTE: This species is known in northeastern USA, and likely occurs in adjacent QC.

640094 *tipuliformis* (Clerck, 1759) *(Sphinx)*‡ R -- -- -- -- BC AB P MB ON QC -- NF NB NS PE

salmachus (Linnaeus, 1758) *(Sphinx)*
tipula (Retzius, 1783) *(Sphinx)*

640095 *acerni* (Clemens, 1860) *(Trochilium)* R -- -- -- -- -- -- -- -- ON QC -- NF NB NS PE

acericolum (Germadius, 1874) *(Trochilium)*
buscki (Engelhardt, 1946) *(Sylvora)*
tepperi (Edwards, 1881) *(Pyrrhotaenia)*

640096 *fatifera* Hodges, 1962 *(Synanthedon)* R -- -- -- -- -- AB P MB ON QC -- -- NB -- --

640097 *viburni* Engelhardt, 1925 *(Synanthedon)* R -- -- -- -- -- AB P P ON QC -- NF -- NS --

640099 *kathyae* Duckworth & Eichlin, 1977 *(Synanthedon)* R -- -- -- -- -- -- -- -- -- P -- -- -- NS --

640100 *arctica* (Beutenmüller, 1900) *(Sesia)* R AK -- -- -- -- AB -- MB -- QC -- NF -- -- --

640101 *bolteri* (Edwards, 1883) *(Aegeria)* R AK YT NT -- BC AB SK MB ON QC -- -- -- -- --

640102 *canadensis* Duckworth & Eichlin, 1973 *(Synanthedon)* R -- U -- -- BC AB -- -- -- -- -- -- -- -- --

NOTE: The YT record is based on a photograph posted to the BugGuide website by J. Jantunen.

640103 *culiciformis* (Linnaeus, 1758) *(Sphinx)** R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --

americana (Beutenmüller, 1896) *(Sesia)*
biannulata Bartel, 1902 *(Synanthedon)*
culex (Retzius, 1783) *(Sphinx)*
flavocingulata (Spuler, 1910) *(Trochilium)*
thynniformis (Laspeyres, 1801) *(Sesia)*
triannulata (Spuler, 1910) *(Trochilium)*

640105 *fulvipes* (Harris, 1839) *(Aegeria)* R -- -- -- -- -- -- -- MB ON QC -- -- NB U --

NOTE: A photo record from NS by C. D'Orsay is probably this species, but a specimen is required for certain identification.

640106 *helenis* (Engelhardt, 1946) *(Carmenta)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --

640107 *pyri* (Harris, 1830) *(Aegeria)* R -- -- -- -- -- U -- U ON QC -- -- U NS EP

NOTE: Records from Aweme (MB) by Brodie (1929) and from NB by Lafontaine et al. (2001) could not be verified. The AB record also has not been confirmed. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

640109 *rubrofascia* (Edwards, 1881) *(Aegeria)* R -- -- -- -- -- -- -- U ON -- -- -- -- -- --

NOTE: Historical Aweme (MB) records could not be verified; they may refer to some other *Synanthedon* species.

640110 *saxifragae* (Edwards, 1881) *(Aegeria)* R AK YT -- -- BC AB SK P U QC LB -- -- -- --

NOTE: The ON record by Riote (1992) could not be verified.

henshawii (Edwards, 1882) *(Aegeria)*

640111 *sigmoidea* (Beutenmüller, 1897) *(Sesia)* R -- -- -- -- -- -- SK -- -- P -- -- -- -- --

NOTE: New for Canada, based on material in the CNC.

640112 *albicornis* (Edwards, 1881) *(Aegeria)* R -- YT NT -- BC AB E E E E -- -- -- -- --

NOTE: Eastern records of this species are erroneous; this is a strictly western species that does not occur east of the Rocky Mountains (Eichlin & Duckworth 1988). Historical records in eastern Canada refer to *S. proxima*.

640113 *proxima* (Edwards, 1881) *(Aegeria)* R -- -- -- -- -- AB SK MB ON QC -- -- U NS --

NOTE: NB specimens in the AFC collection require verification.

modesta (Kellicott, 1892) *(Albuna)*

640114 *decipiens* (Edwards, 1881) *(Aegeria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

NOTE: New for Canada, based on material in the CNC from ON, and in the D. Handfield collection from QC.

imperfecta (Edwards, 1881) *(Aegeria)*
nicotianae (Edwards, 1881) *(Aegeria)*
rubristigma (Kellicott, 1892) *(Aegeria)*

640118 *bibionipennis* (Boisduval, 1869) *(Sesia)*‡ R -- -- -- -- BC P SK E E -- -- -- -- E --
NOTE: This species is known in Canada only from BC and SK, but it is expected in AB. Eichlin & Duckworth (1988) report it as a strictly western species. Reports from MB and ON by Belton (1988), and from NS by Forbes (1923) are deemed erroneous; the MB record was cited as a "suspect record" only.

aureola (Edwards, 1881) *(Aegeria)*
hemizoniae (Edwards, 1881) *(Aegeria)*
impropria (Edwards, 1881) *(Aegeria)*
lupini (Edwards, 1881) *(Aegeria)*
madariae (Edwards, 1881) *(Aegeria)*
neglecta (Edwards, 1881) *(Aegeria)*
perplexa (Edwards, 1881) *(Aegeria)*
rutilans (Edwards, 1881) *(Albuna)*
washingtonia (Edwards, 1881) *(Aegeria)*

640119 *castaneae* (Busck, 1913) *(Sesia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This species, known as the Chestnut Borer, has not been seen in Canada for at least 50 years and it may be extinct, due to the catastrophic population decline of American Chestnut (*Castanea dentata* (Marsh.) Borkh.) in NA as a result of Chestnut Blight disease (*Cryphonectria parasitica* (Murrill) Barr).

640120 *chrysidipennis* (Boisduval, 1869) *(Sesia)* U -- -- -- -- U -- -- -- -- -- -- -- -- -- --
NOTE: The BC record by Eichlin & Duckworth (1988) could not be verified.

tacoma (Beutenmüller, 1898) *(Sesia)*
wallowa (Engelhardt, 1946) *(Ramosia)*

640121 *mellinipennis* (Boisduval, 1836) *(Sesia)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --

artemisiae (Edwards, 1881) *(Albuna)*
seneciodes (Edwards, 1881) *(Aegeria)*
senecioides (Smith, 1891) *(Aegeria)*

640122 *polygoni* (Edwards, 1881) *(Pyrrhotaenia)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --

achillae (Edwards, 1881) *(Pyrrhotaenia)*
achillaeae (Dalla Torre & Strand, 1925) *(Pyrrhotaenia)*
animosa (Edwards, 1883) *(Pyrrhotaenia)*
behrensii (Edwards, 1882) *(Pyrrhotaenia)*
elda (Edwards, 1885) *(Pyrrhotaenia)*
eremocarpi (Edwards, 1881) *(Pyrrhotaenia)*
fragariae (Edwards, 1881) *(Pyrrhotaenia)*
helianthi (Edwards, 1881) *(Pyrrhotaenia)*
maedii Eichlin, 1995 *(Synanthedon)*
meadii (Edwards, 1881) *(Pyrrhotaenia)*
orthocarpi (Edwards, 1881) *(Pyrrhotaenia)*
praestans (Edwards, 1882) *(Aegeria)*
semipraestans (Cockerell, 1908) *(Sesia)*

640123 *resplendens* (Edwards, 1881) *(Albuna)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

640124 *exitiosa* (Say, 1823) *(Aegeria)* R -- -- -- -- BC -- -- MB ON QC -- NF NB S --
NOTE: The only known NS record is a photograph from a garden centre in Amherst. With no evidence of a breeding population there, it is deemed a stray.

barnesii (Beutenmüller, 1900) *(Sanninoidea)*
edwardsii (Beutenmüller, 1900) *(Sanninoidea)*
fitchi (Dalla Torre & Strand, 1925) *(Aegeria)*
fitchii (Edwards, 1882) *(Aegeria)*
graefi (Edwards, 1881) *(Sciapteron)*
luminosa (Neumögen, 1894) *(Sannina)*
opalescens (Edwards, 1881) *(Aegeria)*
pacifica (Riley, 1891) *(Sannina)*
pepsidiformis (Hübner, 1831) *(Paranthrene)*
persica (Thomas, 1824) *(Apis)*
xiphiaeformis (Boisduval, 1875) *(Sesia)*

640125 *novaroensis* (Edwards, 1881) *(Aegeria)* R AK -- -- -- BC AB -- -- E -- -- -- E -- --
NOTE: Eichlin & Duckworth (1988) report this as a strictly western species. Records from ON by Riotte (1992) and NB by Prentice (1965) are deemed erroneous; they probably refer to *S. pini*.

brunneri (Busck, 1914) *(Sesia)*
piceae (Dyar, 1904) *(Parharmonia)*

640126 *pini* (Kellicott, 1881) *(Aegeria)* R -- -- -- -- -- -- -- U ON QC -- -- -- U --
NOTE: Records from MB by Ives & Wong (1988) and NS by Prentice (1965) and Lafontaine et al. (2001) could not be verified.

640127 *sequoiae* (Edwards, 1881) *(Bembecia)* R -- -- -- -- BC U -- -- -- -- -- -- -- -- --
NOTE: Reported by Eichlin & Duckworth (1988) from "northern BC and in the Rocky Mountains to CO"; this description presumably includes southwestern AB, but no specific AB records are known.

pinorum (Behrens, 1889) *(Aegeria)*
superba (Edwards, 1881) *(Bembecia)*

640128 *myopaeformis* (Borkhausen, 1789) *(Sphinx)*+ R -- -- -- -- BC -- -- -- ON -- -- -- -- -- --

Podosesia Möschler, 1879

640130 *syringae* (Harris, 1839) *(Aegeria)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --

fraxini (Lugger, 1891) *(Trochilium)*
longipes (Möschler, 1876) *(Grotea)*

640131 *aureocincta* Purrington & Nielsen, 1977 *(Podosesia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.

Carmenta Edwards, 1881

640134 *anthracipennis* (Boisduval, 1875) *(Sesia)* R -- -- -- -- -- -- SK MB ON -- -- -- -- -- --

morula (Edwards, 1881) *(Aegeria)*
sanborni Edwards, 1881 *(Carmenta)*

640139 *bassiformis* (Walker, 1856) *(Aegeria)* R -- -- -- -- -- -- -- -- U QC -- -- -- -- --
NOTE: The ON record by Riotte (1992) could not be verified.

aureopurpura (Edwards, 1880) *(Aegeria)*
bolli (Edwards, 1881) *(Aegeria)*
bollii (Smith, 1891) *(Aegeria)*
consimilis (Edwards, 1881) *(Aegeria)*
eupatorii (Edwards, 1881) *(Aegeria)*
imitata (Edwards, 1881) *(Aegeria)*
lustrans (Grote, 1880) *(Trochilium)*
sexfasciata (Edwards, 1881) *(Aegeria)*

640140 *corni* (Edwards, 1881) *(Aegeria)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

infirma (Edwards, 1881) *(Aegeria)*

640143 *giliae* (Edwards, 1881) *(Aegeria)* R -- -- -- -- EP AB -- -- -- -- -- -- -- -- --
NOTE: The holotype of the synonym *Albuna vitrina* is labelled "Ft. Calgary, N.W. British Columbia" (USNM), resulting in an erroneous report of this species from BC by Eichlin & Duckworth (1988). Engelhardt (1946) reported the holotype correctly from AB. This species may yet be found in southeastern BC.

deceptiva (Beutenmüller, 1894) *(Aegeria)*
vitrina (Neumögen, 1891) *(Albuna)*
woodgatei Engelhardt, 1946 *(Carmenta)*

640146 *ithacae* (Beutenmüller, 1897) *(Sesia)* R -- -- -- -- -- -- -- MB P P -- -- -- -- --

koebelei (Edwards, 1881) *(Aegeria)*

640148 *mariona* (Beutenmüller, 1900) *(Sesia)* R -- -- -- -- -- -- SK -- -- -- -- -- -- -- --
NOTE: A specimen in the RSM from Saskatchewan Landing (SK) collected by K. Roney and verified by GRP, is the only known Canadian specimen of this species. It is also known from adjacent MT.

640155 *pyralidiformis* (Walker, 1856) *(Aegeria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- P --

aurantis Engelhardt, 1946 *(Carmenta)*
nigella (Hulst, 1881) *(Sesia)*

640163 *verecunda* (Edwards, 1881) *(Aegeria)* R -- -- -- -- P AB P MB -- -- -- -- -- -- --
NOTE: Reported by Eichlin and Duckworth (1988) from "MB to WA"; no SK records are known but this species probably occurs there.

florisantella (Dalla Torre & Strand, 1925) *(Sesia)*
florissantella (Cockerell, 1908) *(Sesia)*
hirsulta (Engelhardt, 1946) *(Euhagena)*
nigra Beutenmüller, 1894 *(Carmenta)*

Penstemonia Engelhardt, 1946

640167 *clarkei* Engelhardt, 1946 *(Penstemonia)* U -- -- -- -- U -- -- -- -- -- -- -- -- --
NOTE: The BC record by Powell & Opler (2009) could not be verified.

640168E *dammersi* Engelhardt, 1946 *(Penstemonia)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: Reported from ON by Riotte (1992) but no vouchers could be located, and it is otherwise restricted to CA (Eichlin & Duckworth 1988). The record is hereby deemed erroneous.

640169E *edwardsii* (Beutenmüller, 1894) *(Aegeria)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: Reported from ON by Riotte (1992) but no vouchers could be located, and it is otherwise restricted to southwestern USA only as far north as UT (Eichlin & Duckworth 1988). The record is hereby deemed erroneous.

***Alcathoe* Edwards, 1882**

640172 *caudata* (Harris, 1839) *(Aegeria)* R -- -- -- -- -- -- -- -- ON QC -- -- U NS --
NOTE: Material from NB in the AFC collection requires confirmation.
annettella Engelhardt, 1946 *(Alcathoe)*
walkeri Neumögen, 1894 *(Alcathoe)*

***Chamaesphecia* Spuler, 1910**

640178 *hungarica* (Tomala, 1901) *(Sesia)*+ XI -- -- -- -- -- XI XI -- -- -- -- -- -- -- --
NOTE: Released in AB in 1991, and SK in 1992 for biocontrol of spurge (*Euphorbia* spp.), but it failed to establish (Winston et al. 2014; GRP, *in litt.*).

640179 *tenthrediniformis* ([Denis & Schiffermüller], 1775) *(Sphinx)*+
XI -- -- -- -- -- -- XI -- XI -- -- -- -- -- --
NOTE: Introduced from Europe for control of spurge (*Euphorbia* spp.), at Picton (ON) in 1971, and Jameson (SK) in 1973-74. It was not thought to have become established at that time (Kelleher & Hulme 1984).

640180 *empiformis* (Esper, 1783) *(Sphinx)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Introduced from Europe for control of spurge (*Euphorbia* spp.), in southern ON, at Belleville in 1970, Sidney in 1971, and near Guelph in 1989. It was not thought to have become established at that time (Kelleher & Hulme 1984), but a photograph taken near Tweed in southern ON in 2015 was tentatively identified as this species by W.H. Taft, on the BugGuide website.

640181 *astatiformis* (Herrich-Schäffer, 1846) *(Sesia)*+ XI -- -- -- -- -- XI -- -- -- -- -- -- -- -- --
NOTE: Introduced from Europe to AB in 1991 for biocontrol of spurge (*Euphorbia* spp.), but it failed to establish (Winston et al. 2014).

640182 *crassicornis* Bartel, 1912 *(Chamaesphecia)*+ XI -- -- -- -- -- XI -- -- -- -- -- -- -- -- --
NOTE: Released in AB in 1991 for biocontrol of spurge (*Euphorbia* spp.), but it failed to establish (Winston et al. 2014).

Superfamily ZYGAENOIDEA Latreille, 1809

58. Family LIMACODIDAE Duponchel, 1845 (slug caterpillar moths)

by G.R. Pohl

Limacodids are small to medium-sized moths with stout bodies and broadly rounded wings. The larvae are short and sluglike, and many bear stinging hairs or spines. Abdominal prolegs are highly reduced; specialized suckers and semifluid silk help the insects cling to foliage. They feed on diverse trees, shrubs and grasses; some species are pests.

The family Limacodidae contains about 1670 described species worldwide, but is most diverse in the tropics. There are 49 named species in the Nearctic region, 18 of which occur in nNA. The group has not been revised in many years but the species in nNA are reasonably well-known.

subfamily Limacodinae Duponchel, 1845

***Tortricidia* Packard, 1864**

660010 *testacea* Packard, 1864 *(Tortricidia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
b *crypta* Dyar, 1902 *(Tortricidia)* r -- -- -- -- bc ab sk mb on qc -- -- nb ns pe

660011 *pallida* (Herrich-Schäffer, 1854) *(Limacodes)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
b *flavula* (Herrich-Schäffer, 1854) *(Limacodes)* r -- -- -- -- -- -- -- -- on qc -- -- -- ns --

660012 *flexuosa* (Grote, 1880) *(Limacodes)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
caesonia (Grote, 1880) *(Limacodes)*

***Heterogenea* Knoch, 1783**

660015 *shurtleffi* Packard, 1864 *(Heterogenea)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
shurtleffii Dyar, 1898 *(Heterogenea)*

Packardia Grote & Robinson, 1867

660016 *albipunctata* (Packard, 1864) *(Cyrtosia)* R -- -- -- -- -- -- -- -- -- -- -- -- -- NS --
NOTE: Profant et al. (2010) consider this taxon to be a dark form of *P. geminata*, but that has not been formalized. It is known in Canada from a specimen collected in NS by F. McEvoy.
b *ocellata* (Grote, 1865) *(Cyrtosia)* r -- -- -- -- -- -- -- -- -- -- -- -- -- ns --
660017 *geminata* (Packard, 1864) *(Cyrtosia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.
660018E *ceanothi* Dyar, 1908 *(Packardia)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: No vouchers could be located to support the ON record by Prentice (1965), and it is deemed erroneous. The species is otherwise unknown in nNA.
660019 *elegans* (Packard, 1864) *(Cyrtosia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
b *fusca* (Packard, 1864) *(Cyrtosia)* r -- -- -- -- -- -- -- -- on qc -- -- nb ns --

Lithacodes Packard, 1864

660023 *fasciola* (Herrich-Schäffer, 1854) *(Limacodes)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
b *belfragei* Dyar, 1925 *(Lithacodes)* r -- -- -- -- -- -- sk mb on qc -- -- nb ns --

Apoda Haworth, 1809

660025 *y-inversum* (Packard, 1864) *(Limacodes)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
b *parallela* (Edwards, 1886) *(Limacodes)* r -- -- -- -- -- -- -- -- on qc -- -- nb -- --
660026E *rectilinea* (Grote & Robinson, 1868) *(Lithacodes)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: This species was listed as "probable" by Handfield et al. (1997) but that is unlikely for this southeastern USA species.
660027 *biguttata* (Packard, 1864) *(Limacodes)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
tetraspilaris (Walker, 1865) *(Limacodes)*

Prolimacodes Schaus, 1896

660029 *badia* (Hübner, [1822]) *(Noctua)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
apsorrhoa Dyar, 1925 *(Prolimacodes)*
argentimacula Barnes & McDunnough, 1913 *(Prolimacodes)*
scapha (Harris, 1841) *(Limacodes)*
scaphoides Hering & Hopp, 1927 *(Prolimacodes)*

Phobetron Hübner, 1825

660035 *pithecium* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
abbotana Hübner, 1825 *(Phobetron)*
hyalinus Walsh, 1864 *(Phobetron)*
nigricans (Packard, 1864) *(Phobetrum)*
nondescriptus Wetherby, 1875 *(Phobetron)*
tetradactylus (Walsh, 1864) *(Limacodes)*

Isa Packard, 1864

660039 *textula* (Herrich-Schäffer, 1854) *(Limacodes)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
inornata (Grote & Robinson, 1867) *(Limacodes)*
texula Packard, 1854 *(Isa)*

Adoneta Clemens, 1860

660043 *spinuloides* (Herrich-Schäffer, 1854) *(Limacodes)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
b *leucosigma* (Packard, 1865) *(Cyclopteryx)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --

Euclea Hübner, 1819

660051 *delphinii* (Boisduval, 1832) *(Limacodes)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
argentata (Wetherby, 1875) *(Limacodes)*

bifida Packard, 1864 *(Euclea)*
elliotti Pearsall, 1887 *(Euclea)*
excisa (Walker, 1865) *(Parasa)*
ferruginea Packard, 1864 *(Euclea)*
interjecta Dyar, 1891 *(Euclea)*
monitor Packard, 1864 *(Euclea)*
paenulata (Clemens, 1860) *(Empretia)*
querceti (Herrich-Schäffer, 1854) *(Limacodes)*
quercicola (Herrich-Schäffer, 1854) *(Limacodes)*
strigata (Guérin-Méneville, 1832) *(Limacodes)*
tardigrada (Clemens, 1860) *(Nochelia)*
varia (Walker, 1855) *(Nyssia)*
viridiclava Walker, 1855 *(Euclea)*

***Parasa* Moore, 1858**

660053 *chloris* (Herrich-Schäffer, 1854) *(Neaera)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.
b *huachuca* Dyar, 1905 *(Parasa)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --
660054 *indetermina* (Boisduval, 1832) *(Limacodes)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.
vernata (Packard, 1864) *(Callochlora)*

***Acharia* Hübner, 1819**

660055 *stimulea* (Clemens, 1860) *(Empretia)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on material in the LFC collection.
ephippiatus (Harris, 1869) *(Limacodes)*

59. Family ZYGAENIDAE Latreille, 1809 (burnet moths)

by G.R. Pohl

Zygaenids are medium-sized, primarily brightly coloured moths with elongate wings. Most adults are diurnal, and some have mimetic patterns of blue and orange similar to some arctiine moths and various beetles. The larvae also are usually brightly coloured, and can synthesize hydrogen cyanide as a defense against predators. Most are exposed feeders on herbs, shrubs, and trees, often skeletonizing leaves in the early instars.

About 1040 species of zygaenids are known worldwide, with the center of diversity in Asia and the Palaearctic. Twenty-seven species of zygaenids occur in the Nearctic region, three of which occur in nNA. The Nearctic genera were revised by Tarmann (1984, in German); the species have not been revised in many years.

subfamily Procridinae Boisduval, 1828

tribe Procridini Boisduval, 1828

***Acoloithus* Clemens, 1860**

660069 *falsarius* Clemens, 1860 *(Acoloithus)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on two specimens in the BOLD database, from Point Pelee (ON).
sanborni (Packard, 1864) *(Harrisina)*

***Pyromorpha* Herrich-Schäffer, 1854**

subgenus ***Pyromorpha*** Herrich-Schäffer, 1854

660083 *dimidiata* Herrich-Schäffer, 1854 *(Pyromorpha)* R -- -- -- -- -- -- -- MB P -- -- -- -- -- --
perlucidula (Clemens, 1860) *(Malthaca)*

***Harrisina* Packard, 1864**

660092 *americana* (Guérin-Méneville, 1829) *(Aglaope)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
australis Stretch, 1885 *(Harrisina)*
texana Stretch, 1872 *(Harrisina)*

Superfamily THYRIDOIDEA Herrich-Schäffer, 1846

60. Family THYRIDIDAE Herrich-Schäffer, 1846 (window-winged moths)
by G.R. Pohl

Thyridid moths are small to large moths, with wingspans up to 72 mm outside of NA. Nearctic species are primarily small, with the wings often dark and patterned in reticulated rows of spots, frequently with translucent patches (hence the common name). Adults rest in a distinctive posture with the front of the body strongly raised and the wings outstretched or swept back. Many mimic dead leaves. The larvae are stem borers or leaf tiers and folders.

The family Thyrididae consists of about 940 described species, mostly in the tropics and subtropics. Twelve species are recorded in the Nearctic region, two of which occur in nNA. The group has not been revised for many years, but the two nNA species are reasonably well-known.

subfamily Thyridinae Herrich-Schäffer, 1846

***Thyris* Laspeyres, 1803**

700003 *maculata* Harris, 1839 *(Thyris)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS E
NOTE: The PE record by Lafontaine et al. (2001) is a database error.
perspicua (Walker, 1856) *(Sagalassa)*

***Pseudothyris* Thiele, 1986**

700004 *sepulchralis* (Guérin-Méneville, 1832) *(Thyris)* R -- -- -- -- BC -- SK MB ON -- -- -- -- -- --
lugubris (Boisduval, 1852) *(Thyris)*
margaritana (Clemens, 1862) *(Dysodia)*

Superfamily PAPILIONOIDEA Latreille, 1802 (butterflies and skippers)

The butterflies have been treated extensively in scientific and popular literature, and we present only a basic treatment here. Much more information is available in Layberry et al. (1998) and in several excellent regional guides (Philip & Ferris 2016, Northwest Territories Environment and Natural Resources 2012, Guppy & Shepard 2001, Bird et al. 1995, Hooper 1973, Klassen et al. 1989, Hall et al. 2014, Handfield 2011, Maritimes Butterfly Atlas 2016, Morris 1980). Butterflies are relatively well-understood taxonomically, but some uncertainties exist and new species and subspecies continue to be described. Pelham (2008) published a comprehensive catalogue, which is kept up to date online (Pelham 2016).

61. Family HESPERIIDAE Latreille, 1809 (skippers)
by G.R. Pohl, B.C. Schmidt, J.D. Lafontaine, and A.D. Macaulay

Skippers are small to medium-sized butterflies, with characteristic rapid, darting flight. The head is broad, the antennae are usually clubbed or hooked at the tip, and the wings are usually brown, grey, and/or orange. The larvae of most species live in silk-lined nests that they construct on the food plant by cutting and folding leaves or by binding several leaves together. A few bore into plant tissues. They feed on a variety of flowering plants.

The family Hesperiidae contains over 4100 species worldwide. There are almost 300 species in the Nearctic region; 74 of which have been reported from nNA. A further four species are expected in the region.

subfamily Eudaminae Mabille, 1877

Epargyreus Hübner, [1819]

770006 *clarus* (Cramer, 1775) *(Papilio)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
a *clarus* (Cramer, 1775) *(Papilio)* r -- -- -- -- bc ab sk mb on qc -- -- nb -- --
argenteola (Matsumura, 1940) *(Bibasis)*
argentosus Hayward, 1933 *(Epargyreus)*
obliteratus Scudder, 1889 *(Epargyreus)*
smythi Williams, 1927 *(Epargyreus)*
tityrus (Fabricius, 1775) *(Papilio)*
d *californicus* MacNeill, 1975 *(Epargyreus)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --

Urbanus Hübner, [1807]

770022 *proteus* (Linnaeus, 1758) *(Papilio)* S -- -- -- -- -- -- -- -- S S -- -- -- -- --
NOTE: This tropical species is a resident only as far north as the southern USA, but it often strays northwards. A few records have been reported from extreme southern ON (Hall et al. 2014), as well as a recent record from Montreal (QC) by D. Allison.
a *proteus* (Linnaeus, 1758) *(Papilio)* s -- -- -- -- -- -- -- -- s s -- -- -- -- --
fortis Skinner & Ramsden, 1924 *(Urbanus)*
proteoides (Plötz, 1881) *(Goniurus)*

Achalarus Scudder, 1872

770040 *lyciades* (Geyer, 1832) *(Proteides)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
hedysarum Scudder, 1889 *(Achalarus)*
lycidas (Smith, 1797) *(Papilio)*

Thorybes Scudder, 1872

770046 *bathyllus* (Smith, 1797) *(Papilio)* R -- -- -- -- -- -- -- MB ON E -- -- -- -- --
NOTE: Records from QC are erroneous, based on misidentifications of *T. pylades* (Handfield et al. 1997).
daunus (Cramer, 1777) *(Papilio)*
syloson (Mabille, 1903) *(Cocceius)*
770047 *pylades* (Scudder, 1870) *(Eudamus)* R -- -- NT NU BC AB SK MB ON QC -- -- NB NS --
a *pylades* (Scudder, 1870) *(Eudamus)* r -- -- nt nu bc ab sk mb on qc -- -- nb ns --
immaculata (Skinner, 1911) *(Eudamus)*
integra Lanktree, 1968 *(Thorybes)*

subfamily Pyrginae Burmeister, 1878

tribe Carcharodini Verity, 1940

Staphylus Godman & Salvin, 1896

770070 *hayhurstii* (Edwards, 1870) *(Hesperia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

Pholisora Scudder, 1872

770071 *catullus* (Fabricius, 1793) *(Papilio)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --

Hesperopsis Dyar, 1905

770073P *libya* (Scudder, 1878) *(Heteropterus)* P -- -- -- -- -- -- P -- -- -- -- -- -- -- --
NOTE: This species is known from the badlands of ND. It may occur in adjacent SK (Hooper 1973).
d *lena* (Edwards, 1882) *(Ancyloxypha)* p -- -- -- -- -- -- p -- -- -- -- -- -- -- --

tribe Erynnini Brues & Carpenter, 1932

Ephyriades Hübner, [1819]

770085 *brunnea* (Herrich-Schäffer, 1865) *(Nisoniades)* U -- -- -- -- -- -- -- -- U -- -- -- -- -- --
NOTE: The synonym *Eudamus electra* was described from a specimen that was apparently collected at Hamilton (ON) in 1877 by J.A. Moffat. Details of its collection are documented in Lintner (1881), and the locality is accepted to be genuine. Tantalizingly, the collector reported that the type specimen in question was one of two specimens seen, and that the other avoided capture. This record has been overlooked for decades, and it is a remarkable one, as *E. brunnea* is otherwise restricted in NA to southern FL, with no other records of strays northwards. The type of *electra*, which is deposited in the CMNH, has been examined by experts and has been satisfactorily determined to be conspecific with *E. brunnea*. However, it does not match the description of Lintner (1881) very well; it is pale and larger than a typical *Erynnis juvenalis*, rather than dark and the size of a small *E. juvenalis* as stated in the description. There is a possibility that this is an improbable stray, or a human introduction (unlikely in the 1870s before the age of modern road and air transportation). However, another possibility is that the label from the original *electra* type has somehow been switched with another specimen since the original description. Given this uncertainty about the provenance of the *electra* type, we list this species as uncertain for ON and Canada.

a *brunnea* (Herrich-Schäffer, 1865) *(Nisoniades)* u -- -- -- -- -- -- -- -- u -- -- -- -- -- --
electra (Lintner, 1881) *(Eudamus)*

Erynnis Schrank, 1801

icelus group Burns, 1964

770086 *icelus* (Scudder & Burgess, 1870) *(Nisoniades)* R -- YT NT P BC AB SK MB ON QC -- -- NB NS PE
bautista (Plötz, 1884) *(Nisoniades)*
hamamaelidis (Scudder, 1889) *(Nisoniades)*

770087 *brizo* (Boisduval & Le Conte, [1837]) *(Thanaos)* R -- -- -- -- -- -- SK MB ON E -- -- E E --
NOTE: Historical records from QC, NB, and NS could not be verified, and are assumed to be erroneous.

b *brizo* (Boisduval & Le Conte, [1837]) *(Thanaos)* r -- -- -- -- -- -- sk mb on -- -- -- -- -- --

juvenalis group Burns, 1964

770088 *juvenalis* (Fabricius, 1793) *(Hesperia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --

a *juvenalis* (Fabricius, 1793) *(Hesperia)* r -- -- -- -- -- -- sk mb on qc -- -- nb ns --
costalis (Westwood, [1852]) *(Nisoniades)*
ennius (Scudder & Burgess, 1870) *(Nisoniades)*
juvenis (Hübner, [1819]) *(Nisoniades)*
plautus (Scudder & Burgess, 1870) *(Nisoniades)*

770090 *propertius* (Scudder & Burgess, 1870) *(Nisoniades)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
tibullus (Scudder & Burgess, 1870) *(Nisoniades)*

770093 *horatius* (Scudder & Burgess, 1870) *(Nisoniades)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: Known in Canada only from a few worn late-season strays found in extreme southern ON (Layberry et al. 1998).
petronius (Lintner, 1881) *(Nisoniades)*
virgilius (Scudder & Burgess, 1870) *(Nisoniades)*

zarucco group Burns, 1964

770095 *martialis* (Scudder, [1870]) *(Nisoniades)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).
ausonius (Lintner, 1872) *(Nisoniades)*
quercus (Boisduval, [1834]) *(Thanaos)*

770096 *pacuvius* (Lintner, 1878) *(Nisoniades)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --

b *lilius* (Dyar, 1904) *(Thanaos)* r -- -- -- -- bc p -- -- -- -- -- -- -- -- --

d *callidus* (Grinnell, 1904) *(Thanaos)* e -- -- -- -- e -- -- -- -- -- -- -- -- --

770097 *zarucco* (Lucas, 1857) *(Thanaos)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: A rare stray in southern ON (Layberry et al. 1998).
diogenes (Plötz, 1884) *(Antigonus)*
naevius (Lintner, 1881) *(Nisoniades)*
ovidius (Scudder & Burgess, 1870) *(Nisoniades)*
terentius (Scudder & Burgess, 1870) *(Nisoniades)*

770098 *funeralis* (Scudder & Burgess, 1870) *(Nisoniades)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: A rare stray in southern ON (Layberry et al. 1998).

persius group Burns, 1964

770099 *baptisiae* (Forbes, 1936) *(Thanaos)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
770100 *lucilius* (Scudder & Burgess, 1870) *(Nisoniades)* R -- -- -- -- -- -- E MB ON QC -- -- -- -- --
NOTE: Hooper's (1973) record of this species in SK, as subspecies *afranius*, is now treated as a separate species.
770101 *afranius* (Lintner, 1878) *(Nisoniades)* R -- E -- -- BC AB SK MB -- -- -- -- -- -- --
NOTE: The YT records (as well as the northwestern BC record) in Layberry et al. (1998) are erroneous, based on misidentified *E. persius*. True *E. afranius* does not occur west of extreme southeastern BC.
770102 *persius* (Scudder, 1863) *(Nisoniades)* R AK YT NT NU BC AB SK MB ON QC -- -- -- -- --
NOTE: The nominate subspecies, which in Canada was restricted to oak savannah in southern ON in assocation with lupines (*Lupinus* spp.), is probably extirpated but it was listed as "Endangered" in Canada by COSEWIC (2016).
a *persius* (Scudder, 1863) *(Nisoniades)* xt -- -- -- -- -- -- -- -- xt -- -- -- -- -- --
b *borealis* (Cary, 1906) *(Thanaos)* r u u nt nu bc ab sk mb on qc -- -- -- -- --
c *avinoffi* (Holland, 1930) *(Thanaos)* r ak yt -- -- -- e -- -- -- -- -- -- -- --
d *fredericki* Freeman, 1943 *(Erynnis)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
rutilius (Mead, [1876]) *(Thanaos)*

tribe Pyrgini Burmeister, 1878

Pyrgus Hübner, [1819]

770113 *centaureae* (Rambur, [1842]) *(Hesperia)* R AK YT NT -- BC AB SK MB ON QC LB E -- -- --
NOTE: Krogerus (1954) and Morris (1980) reported this species from NF, but that is assumed to be erroneous as no vouchers could be located.
c *freija* (Warren, 1924) *(Hesperia)* r ak yt nt -- bc ab sk mb on qc lb -- -- -- --
fasciata (Warren, 1926) *(Hesperia)*
reducta Evans, 1942 *(Pyrgus)*
d *loki* Evans, 1953 *(Pyrgus)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
770114 *ruralis* (Boisduval, 1852) *(Syrichtus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *ruralis* (Boisduval, 1852) *(Syrichtus)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
caespitatis (Boisduval, 1852) *(Syrichtus)*
petreius (Edwards, 1870) *(Syrichtus)*
ricara (Edwards, 1865) *(Hesperia)*
770116 *scriptura* (Boisduval, 1852) *(Syrichtus)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
b *apertorum* Austin, 1998 *(Pyrgus)* r -- -- -- -- -- ab sk -- -- -- -- -- -- -- --
770117 *communis* (Grote, 1872) *(Syrichtus)* R -- -- -- -- BC AB SK MB ON -- -- -- -- -- --
a *communis* (Grote, 1872) *(Syrichtus)* r -- -- -- -- bc ab sk mb on -- -- -- -- -- --
albovittata (Grote, 1873) *(Hesperia)*
insolatrix Plötz, 1884 *(Pyrgus)*
skinneri (Gunder, 1927) *(Urbanus)*
tessellata (Scudder, 1872) *(Hesperia)*
varus Plötz, 1884 *(Pyrgus)*
770118E *albescens* Plötz, 1884 *(Pyrgus)* E -- -- -- -- E E -- E -- -- -- -- -- -- --
NOTE: Historical reports of this species from western Canada, usually as "*P. communis albescens*", refer to *P. communis*. *Pyrgus albescens*, now considered a full species, is restricted to southern USA.
occidentalis Skinner, 1906 *(Pyrgus)*
770120E *oileus* (Linnaeus, 1767) *(Papilio)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Report of this species from BC by Dyar (1904) and ESBC (1906) under the name *P. montivagus*, a synonym, is considered to be erroneous. This species does not occur in Canada or the Pacific Northwest of USA.
montivagus Reakirt, [1867] *(Pyrgus)*

Heliopetes Billberg, 1820

770123P *ericetorum* (Boisduval, 1852) *(Syrichtus)* P -- -- -- -- P -- -- -- -- -- -- -- -- -- --
NOTE: Known from northeastern WA, very close to the BC border.
alba (Edwards, 1866) *(Syrichtus)*

subfamily Heteropterinae Aurivillius, 1925

Carterocephalus Lederer, 1853

770127 *palaemon* (Pallas, 1771) *(Papilio)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Pelham (2016) treats all North American populations as a single species. Kondla & Schmidt (2010) present evidence that at least two species are found in western Canada, *mandan* of the prairies and *skada* of the Boreo-montane region. However, the status of eastern and northern Canadian populations remains unresolved. Contrary to Pelham (2016), we treat the taxon *mesapano* as a synonym of subspecies *mandan*.

c *mandan* (Edwards, 1863) *(Hesperia)* r -- -- nt -- bc ab sk mb on qc lb nf nb ns pe
mesapano (Scudder, 1868) *(Hesperia)*

d *skada* (Edwards, 1870) *(Cyclopides)* r ak yt nt -- bc -- -- -- -- -- -- -- -- -- --
mackenziei Wyatt, 1965 *(Carterocephalus)*

e *magnus* (Mattoon & Tilden, 1998) *(Cyclopides)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

subfamily Hesperiinae Latreille, 1809

Hesperiinae (unplaced)

Megathymus Scudder, 1872

770147 *streckeri* (Skinner, 1895) *(Aegiale)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

c *leussleri* Holland, 1931 *(Megathymus)* r -- -- -- -- -- ab -- -- -- -- -- -- -- -- --

tribe Thymelicini Tutt, 1905

Ancyloxypha Felder, [1863]

770151 *numitor* (Fabricius, 1793) *(Hesperia)* R -- -- -- -- -- S SK MB ON QC -- -- NB NS PE
NOTE: Known in AB from only one old specimen, from Lethbridge, which is considered a stray or accidental introduction (Pohl et al. 2010). The species is otherwise known from eastern Canada, as far west as eastern SK.

bion (Fabricius, 1798) *(Hesperia)*
longleyi French, 1897 *(Ancyloxypha)*
marginatus (Harris, 1862) *(Heteropterus)*
puer (Hübner, 1823) *(Thymelicus)*

Oarisma Scudder, 1872

770153 *poweshiek* (Parker, 1870) *(Hesperia)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).

770154 *garita* (Reakirt, 1866) *(Hesperia)* R -- -- -- -- BC AB SK MB ON -- -- -- -- -- --

a *garita* (Reakirt, 1866) *(Hesperia)* r -- -- -- -- bc ab sk mb on -- -- -- -- -- --
hylax (Edwards, 1871) *(Thymelicus)*

Thymelicus Hübner, [1819]

770159 *lineola* (Ochsenheimer, 1808) *(Papilio)*+ R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE

a *lineola* (Ochsenheimer, 1808) *(Papilio)* r -- -- -- -- bc ab sk mb on qc lb nf nb ns pe

tribe Calpodini Clark, 1948

Calpodes Hübner, [1819]

770160 *ethlius* (Stoll, 1782) *(Papilio)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: In Canada, this species is a stray that has been recorded once in southern ON (Layberry et al. 1998).

chemnis (Fabricius, 1793) *(Hesperia)*
olynthus (Boisduval & Le Conte, [1837]) *(Eudamus)*

Panoquina Hemming, 1934

770164 *ocola* (Edwards, 1863) *(Hesperia)* S -- -- -- -- -- -- -- -- S -- -- -- S -- --
NOTE: A stray from the southeastern USA, that has been reported several times in southern ON (Layberry et al. 1998) and once in NB (Maritimes Butterfly Atlas 2016).
a *ocola* (Edwards, 1863) *(Hesperia)* s -- -- -- -- -- -- -- -- s -- -- -- s -- --

tribe Moncini Warren, 2008

Amblyscirtes Scudder, 1872

exoteria group Evans, 1955

770176 *oslari* (Skinner, 1899) *(Pamphila)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

aesculapius group Evans, 1955

770178 *hegon* (Scudder, 1863) *(Hesperia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
argina (Plötz, 1884) *(Pyrgus)*
nemoris (Edwards, 1864) *(Hesperia)*
samoset (Scudder, 1863) *(Hesperia)*
770182E *aesculapius* (Fabricius, 1793) *(Hesperia)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: A specimen collected at Minto (MB) is thought to be either mislabelled or an accidental introduction; this species occurs naturally nowhere near Canada (Klassen et al. 1989).

vialis group Evans, 1955

770186 *vialis* (Edwards, 1862) *(Hesperia)* R -- -- P -- BC AB SK MB ON QC -- -- NB NS --
NOTE: Known from northeastern AB within a few kilometers of NT, this species almost certainly occurs in NT as well.
asella (Herrich-Schäffer, 1869) *(Cobalus)*

Nastra Evans, 1955

770195P *lherminier* (Latreille, [1824]) *(Hesperia)* P -- -- -- -- -- -- -- -- P -- -- -- -- -- --
NOTE: Considered a likely candidate to move northwards into southern ON, by Hall et al. (2014). It is known from the south shore of Lake Erie in the USA.
fusca (Grote & Robinson, 1867) *(Hesperia)*
pherminieri of authors (not Godart, [no date]) *(Pamphila)*

Lerema Scudder, 1872

770202 *accius* (Smith, 1797) *(Papilio)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: Known in nNA only from Point Pelee (ON), this species does not overwinter in Canada (Hall et al. 2014).
chamis Scudder, 1889 *(Lerema)*
curtius Scudder, 1889 *(Lerema)*
monoco (Scudder, 1863) *(Hesperia)*
nortonii (Edwards, 1867) *(Hesperia)*
parumpunctata (Herrich-Schäffer, 1869) *(Goniloba)*
pattenii Scudder, 1872 *(Lerema)*
punctella (Grote & Robinson, 1867) *(Hesperia)*

tribe Hesperiini Latreille, 1809

Hylephila Billberg, 1820

phyleus group MacNeill & Herrera, 1999

770209 *phyleus* (Drury, 1773) *(Papilio)* M -- -- -- -- -- -- -- -- M S -- -- S -- S
NOTE: This southern species migrates northwards regularly to southern ON, where there is some evidence of breeding but it cannot overwinter there (Layberry et al. 1998). Other Canadian records are strays.

	a *phyleus* (Drury, 1773) *(Papilio)* *bucephalus* (Stephens, 1828) *(Pamphila)* *druryi* (Megerle, [1803]) *(Papilio)* *eureka* Austin & Emmel, 1998 *(Hylephila)* *muertovalle* Scott, 1981 *(Hylephila)*	m	--	--	--	--	--	--	--	--	m	s	--	--	s	--	s

***Hesperia* Fabricius, 1793**

comma group MacNeill, 1964

770211	*uncas* Edwards, 1863 *(Hesperia)*	R	--	--	--	--	--	AB	SK	MB	--	--	--	--	--	--	--
	a *uncas* Edwards, 1863 *(Hesperia)* *ridingsii* Reakirt, 1866 *(Hesperia)*	r	--	--	--	--	--	ab	sk	mb	--	--	--	--	--	--	--
770212	*juba* (Scudder, 1874) *(Pamphila)* *ogdenensis* (Holland, 1931) *(Erynnis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
770213	*comma* (Linnaeus, 1758) *(Papilio)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	NOTE: Populations outside of Beringia were recognized by Kondla & Schmidt (2010) as a separate species, *H. manitoba*, but Pelham (2016) maintained the taxonomically conservative view of two North American species, pending an in-depth review of all taxa involved in this species complex.																
	a *comma* (Linnaeus, 1758) *(Papilio)*	e	--	--	--	--	--	--	--	--	--	e	--	--	--	--	--
	c *manitoba* (Scudder, 1874) *(Pamphila)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	--	--	--	e	--	--
	d *borealis* Lindsey, 1942 *(Hesperia)*	r	e	e	e	--	--	--	e	u	on	qc	lb	nf	--	--	--
	e *laurentina* (Lyman, 1892) *(Pamphila)*	r	--	--	--	--	--	--	e	e	on	qc	--	u	nb	ns	pe
770214	*assiniboia* (Lyman, 1892) *(Pamphila)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--
770215	*colorado* (Scudder, 1874) *(Pamphila)*	R	--	--	--	--	BC	P	SK	--	--	--	--	--	--	--	--
	NOTE: Subspecies *oregonia* is listed as "Endangered" in Canada by COSEWIC (2016). We treat the taxon *idaho* as a synonym of subspecies *harpalus*, rather than as a valid subspecies, as it was treated by Pelham (2008).																
	i *harpalus* (Edwards, 1881) *(Pamphila)* *cabelus* (Edwards, 1881) *(Pamphila)* *idaho* (Edwards, 1883) *(Pamphila)* *yosemite* Leussler, 1933 *(Hesperia)*	r	--	--	--	--	bc	p	sk	--	--	--	--	--	--	--	--
	j *oregonia* (Edwards, 1883) *(Pamphila)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--

leonardus group MacNeill, 1964

770217	*ottoe* Edwards, 1866 *(Hesperia)*	R	--	--	--	--	--	--	P	MB	--	--	--	--	--	--	--
	NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016). It is known from ND, approximately 150 km south of the SK border, and it is expected in SK.																
770218	*leonardus* Harris, 1862 *(Hesperia)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	--	U	E	--
	NOTE: This species was not reported from NB in Layberry et al. (1998), but the species is known from ME, and the historical record by McIntosh (1898), though not supported by vouchers, is considered plausible. However, it may be based on misidentifed material of *H. comma*. The NS record originating with Ferguson (1954a) is deemed erroneous; the specimens in question (two specimens from "Digby", collected in 1905) are of doubtful provenance as originating in NS.																
	a *leonardus* Harris, 1862 *(Hesperia)* *liberia* Plötz, 1883 *(Hesperia)* *lidia* Plötz, 1882 *(Hesperia)* *stallingsi* Freeman, 1944 *(Hesperia)*	r	--	--	--	--	--	--	--	--	on	qc	--	--	u	--	--
	b *pawnee* Dodge, 1874 *(Hesperia)* *ogallala* (Leussler, 1921) *(Pamphila)*	r	--	--	--	--	--	--	sk	mb	on	--	--	--	--	--	--
770219	*pahaska* (Leussler, 1938) *(Pamphila)*	R	--	--	--	--	--	EP	SK	MB	--	--	--	--	--	--	--
	NOTE: This prairie species could be found in shortgrass prairie in the extreme southeast of AB. It was reported from AB by MacNeill (1964) on the basis of a museum specimen from Banff but that is assumed to be erroneous as there is no suitable habitat there (Pohl et al. 2010).																
	a *pahaska* (Leussler, 1938) *(Pamphila)*	r	--	--	--	--	--	p	sk	mb	--	--	--	--	--	--	--

metea group MacNeill, 1964

770221P	*metea* Scudder, 1863 *(Hesperia)*	P	--	--	--	--	--	--	--	--	P	--	--	--	--	--	--
	NOTE: Known from the southern shore of Lake Erie in the USA, this species is expected in southern ON (Hall et al. 2014).																
	a *metea* Scudder, 1863 *(Hesperia)*	p	--	--	--	--	--	--	--	--	p	--	--	--	--	--	--

Hesperia ungrouped Burns, 1987

770225 *dacotae* (Skinner, 1911) *(Pamphila)* R -- -- -- -- -- -- SK MB -- -- -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).

770227 *sassacus* Harris, 1862 *(Hesperia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB P PE
b *sassacus* Harris, 1862 *(Hesperia)* r -- -- -- -- -- -- -- -- on qc -- -- nb p pe
incerta Scudder, 1863 *(Hesperia)*
c *manitoboides* (Fletcher, 1889) *(Pamphila)* r -- -- -- -- -- -- -- mb on -- -- -- -- -- --

770229 *nevada* (Scudder, 1874) *(Pamphila)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
a *nevada* (Scudder, 1874) *(Pamphila)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

***Polites* Scudder, 1872**

rhesus group Burns, 1994

770230 *rhesus* (Edwards, 1878) *(Pamphila)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
axius (Plötz, 1883) *(Hesperia)*

themistocles group MacNeill, 1993

770232 *peckius* (Kirby, 1837) *(Hesperia)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE
a *peckius* (Kirby, 1837) *(Hesperia)* r -- -- nt -- bc ab sk mb on qc lb nf nb ns pe
coras (Cramer, 1775) *(Urbicola)*
enys (Butler, 1870) *(Pamphila)*
wamsutta (Harris, 1862) *(Hesperia)*

770233 *sabuleti* (Boisduval, 1852) *(Hesperia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: Layberry et al. (1998) and Guppy & Shepard (2001) consider Canadian populations to be the nominal subspecies, but Pyle (2002) treats them as subspecies *alkaliensis*.
a *sabuleti* (Boisduval, 1852) *(Hesperia)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
g *alkaliensis* Austin, 1987 *(Polites)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --

770234 *draco* (Edwards, 1871) *(Pamphila)* R P YT -- -- BC AB SK -- -- -- -- -- -- -- --

770236 *themistocles* (Latreille, [1824]) *(Hesperia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *themistocles* (Latreille, [1824]) *(Hesperia)* r -- -- -- -- bc ab sk mb on qc -- -- nb ns pe
ahaton (Harris, 1862) *(Hesperia)*
cernes (Boisduval & Le Conte, [1837]) *(Hesperia)*
phocion (Fabricius, 1798) *(Hesperia)*
taumas (Fabricius, 1787) *(Papilio)*
b *turneri* Freeman, 1944 *(Polites)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

origenes group MacNeill, 1993

770238 *origenes* (Fabricius, 1793) *(Hesperia)* R -- -- -- -- -- E -- -- ON QC -- -- NB -- --
NOTE: Listed by Hooper (1973) as "probable" for SK, but it is not realistic to expect it there; Ferris & Brown (1981) report it only as far north as southern ND in the West. The report by Forbes (1960), as *P. manataaqua*, from "southern ON to AB" is erroneous, likely confused with *P. themistocles*. The NB record is a recent discovery noted in the Maritimes Butterfly Atlas (2016).
a *origenes* (Fabricius, 1793) *(Hesperia)* r -- -- -- -- -- e -- -- on qc -- -- nb -- --
manataaqua (Scudder, 1863) *(Hesperia)*

770239 *mystic* (Edwards, 1863) *(Hesperia)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE
a *mystic* (Edwards, 1863) *(Hesperia)* r -- -- nt -- bc ab sk mb on qc -- -- nb ns pe
mystic (Scudder, 1863) *(Hesperia)*
nubs (Scudder, 1889) *(Thymelicus)*
weetamoo (Scudder, 1889) *(Thymelicus)*
b *dacotah* (Edwards, 1871) *(Hesperia)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --
pallida (Skinner, 1911) *(Pamphila)*

770240 *sonora* (Scudder, 1872) *(Ochlodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This species is listed as "Special Concern" in Canada by COSEWIC (2016).
a *siris* (Edwards, 1881) *(Pamphila)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --
b *sonora* (Scudder, 1872) *(Ochlodes)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

vibex group MacNeill, 1993

770241 *vibex* (Geyer, 1832) *(Thymelicus)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: This species strays northwards from southern USA, and has been collected once in Canada, at Toronto (ON).

a *vibex* (Geyer, 1832) *(Thymelicus)* s -- -- -- -- -- -- -- -- s -- -- -- -- -- --
brettus (Boisduval & Le Conte, [1837]) *(Hesperia)*
margarita (Draudt, 1923) *(Thymelicus)*
morganta (Plötz, 1883) *(Hesperia)*
unna (Plötz, 1883) *(Hesperia)*
wingina (Scudder, 1863) *(Hesperia)*

Wallengrenia Berg, 1897

770242E *otho* (Smith, 1797) *(Papilio)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The Winn (1912) QC record as "*Pamphila otho* var. *egeremet*" refers to *W. egeremet*, now a full species.

770243 *egeremet* (Scudder, 1863) *(Hesperia)* R -- -- -- -- -- -- U MB ON QC -- -- -- -- --
NOTE: An old record from MB was based on misidentified material (Klassen et al. 1989), but this species has recently colonized tallgrass prairie habitat in the province (Semmler & Westwood 2013). A historical record from SK is unconfirmed.
cinna (Plötz, 1882) *(Hesperia)*
ursa (Worthington, 1880) *(Pamphila)*

Pompeius Evans, 1955

770244 *verna* Edwards, 1862 *(Pompeius)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
pottawattomie (Worthington, 1880) *(Pamphila)*
sequoyah (Freeman, 1942) *(Polites)*
sigida (Mabille, 1891) *(Telesto)*
vetulina (Plötz, 1882) *(Hesperia)*

Atalopedes Scudder, 1872

770245 *campestris* (Boisduval, 1852) *(Hesperia)* S -- -- -- -- S -- -- S S E -- -- -- -- --
NOTE: This southern species strays occasionally into southern Canada (Layberry et al. 1998). Handfield (1999) reports QC as an erroneous record.

a *campestris* (Boisduval, 1852) *(Hesperia)* s -- -- -- -- s -- -- -- -- -- -- -- -- -- --
tenebricosus Austin & Emmel, 1998 *(Atalopedes)*

b *huron* (Edwards, 1863) *(Hesperia)* s -- -- -- -- -- -- -- s s -- -- -- -- -- --
kedema (Butler, 1870) *(Pamphila)*

Poanes Scudder, 1872

770249 *hobomok* (Harris, 1862) *(Hesperia)* R -- -- -- -- E AB SK MB ON QC -- -- NB NS PE
NOTE: The BC record by Anderson (1904) is erroneous.

a *hobomok* (Harris, 1862) *(Hesperia)* r -- -- -- -- -- ab sk mb on qc -- -- nb ns pe
alfaratta Holland, 1930 *(Poanes)*
friedlei Watson, 1920 *(Poanes)*
pallida Watson, 1921 *(Poanes)*
pocahontas (Scudder, 1863) *(Hesperia)*
quadaquina (Scudder, 1868) *(Hesperia)*
ridingsii Chermock & Chermock, 1940 *(Poanes)*

770250 *zabulon* (Boisduval & Le Conte, [1837]) *(Hesperia)* R -- -- -- -- -- -- E ON E -- -- E -- --
NOTE: Most historical reports of this species from southeastern Canada refer to *P. hobomok*, with which it was confused in the late 1800s and early 1900s (Layberry et al. 1998). However, there are a few genuine records from southern ON (Hall et al. 2014).
erratica (Plötz, 1883) *(Hesperia)*
ogeechensis (Scudder, 1889) *(Atrytone)*

770252 *massasoit* (Scudder, 1863) *(Hesperia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: Hooper (1973) listed this species as "probable" for SK but that is not likely.

a *massasoit* (Scudder, 1863) *(Hesperia)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
hughi Clark, 1931 *(Poanes)*
suffusa (Laurent, [1891]) *(Pamphila)*

770253 *viator* (Edwards, 1865) *(Hesperia)* R -- -- -- -- -- -- P MB ON QC -- -- -- -- --
a *viator* (Edwards, 1865) *(Hesperia)* r -- -- -- -- -- -- p mb on qc -- -- -- -- --

Ochlodes Scudder, 1872

770258 *sylvanoides* (Boisduval, 1852) *(Hesperia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
a *sylvanoides* (Boisduval, 1852) *(Hesperia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
francisca (Plötz, 1883) *(Hesperia)*
pratincola (Boisduval, 1852) *(Hesperia)*
g *napa* (Edwards, 1865) *(Hesperia)* r -- -- -- -- -- ab sk -- -- -- -- -- -- -- --
amanda (Plötz, 1883) *(Hesperia)*
770259E *agricola* (Boisduval, 1852) *(Hesperia)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Historical records of this species from BC are assumed to be erroneous, as it has not been reported in Canada since Jones (1951) and no Canadian vouchers are known.

Anatrytone Dyar, 1905

logan group Burns, 1994

770262 *logan* (Edwards, 1863) *(Hesperia)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
a *logan* (Edwards, 1863) *(Hesperia)* r -- -- -- -- -- -- -- mb on qc -- -- -- -- --
delaware (Edwards, 1863) *(Hesperia)*
b *lagus* (Edwards, 1881) *(Pamphila)* r -- -- -- -- -- ab sk u -- -- -- -- -- -- --

Notamblyscirtes Scott, 2006

770265 *simius* (Edwards, 1881) *(Amblyscirtes)* R -- -- -- -- -- P SK -- -- -- -- -- -- -- --
nigra (Scott, 1981) *(Amblyscirtes)*
rufa (Scott, 1981) *(Amblyscirtes)*

Euphyes Scudder, 1872

dion group Shuey, 1989

770267 *conspicua* (Edwards, 1863) *(Hesperia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
b *conspicua* (Edwards, 1863) *(Hesperia)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --
pontiac (Edwards, 1863) *(Hesperia)*

770269 *dion* (Edwards, 1879) *(Pamphila)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
alabamae (Lindsey, 1923) *(Atrytone)*
macguirei Freeman, 1975 *(Euphyes)*
770271 *dukesi* (Lindsey, 1923) *(Atrytone)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
a *dukesi* (Lindsey, 1923) *(Atrytone)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --

vestris group Shuey, 1993

770272 *bimacula* (Grote & Robinson, 1867) *(Hesperia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
NOTE: Two NS records of this species were recorded recently in the Maritimes Butterfly Atlas (2016).
a *bimacula* (Grote & Robinson, 1867) *(Hesperia)* r -- -- -- -- -- -- -- -- on qc -- -- nb ns --
acanootus (Scudder, 1868) *(Hesperia)*
contradicta (Leussler, 1933) *(Atrytone)*
770274 *vestris* (Boisduval, 1852) *(Hesperia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
NOTE: The subspecies *vestris* is listed as "Threatened" in Canada by COSEWIC (2016).
b *vestris* (Boisduval, 1852) *(Hesperia)* r -- -- -- -- bc -- e e e -- -- -- -- e --
californica (Mabille, 1883) *(Pamphila)*
osceola (Lintner, 1878) *(Pamphila)*
ruricola (Boisduval, 1852) *(Hesperia)*
d *metacomet* (Harris, 1862) *(Hesperia)* r -- -- -- -- e ab sk mb on qc -- -- nb ns pe
baeis Scudder, 1889 *(Euphyes)*

osyka (Edwards, 1867) *(Hesperia)*
rurea (Edwards, 1862) *(Pamphila)*

***Atrytonopsis* Godman, 1900**

770276 *hianna* (Scudder, 1868) *(Hesperia)* R -- -- -- -- -- -- SK MB ON E -- -- -- -- --
NOTE: A "possible" QC record by Opler & Milakul (1992) was deemed doubtful by Handfield (2011).
a *hianna* (Scudder, 1868) *(Hesperia)* r -- -- -- -- -- -- sk mb on -- -- -- -- -- --
grotei (Plötz, 1882) *(Hesperia)*

62. Family PAPILIONIDAE Latreille, 1802 (swallowtails and apollos)

by G.R. Pohl, B.C. Schmidt, J.D. Lafontaine, and A.D. Macaulay

Papilionids are large butterflies with hairless eyes, short antennae, and three fully developed pairs of legs. North American species range from about 40 to 110 mm in wingspan. Many are boldly coloured in patterns of black, white, and yellow. Larvae of papilionids eat a variety of food plants. Some species sequester toxic plant compounds and have aposematic warning colours.

The family Papilionidae contains about 570 species worldwide. About 40 papilionid species occur in the Nearctic region, 18 of which occur in nNA.

subfamily Parnassiinae Duponchel, [1835]

tribe Parnassiini Duponchel, [1835]

***Parnassius* Latreille, 1804**

770287 *eversmanni* [Ménétriés], [1850] *(Parnassius)** R AK YT NT -- BC -- -- -- -- -- -- -- -- -- --
b *thor* Edwards, 1881 *(Parnassius)* r ak yt nt -- bc -- -- -- -- -- -- -- -- -- --
kohlsaati Gunder, 1932 *(Parnassius)*
meridionalis Eisner, 1978 *(Parnassius)*
pinkensis Gauthier, 1984 *(Parnassius)*

770288 *clodius* Ménétriés, 1855 *(Parnassius)* R E -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: The subspecies *incredibilis* was described from Mt. St. Elias (AK) but the type specimens are thought to be mislabelled, more southerly material (Philip & Ferris (2016). Subspecies *baldur* was reported from Canada in error by the Natural History Society of Toronto (1883).
c *claudianus* Stichel, 1907 *(Parnassius)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
baldus Ehrmann, 1918 *(Parnassius)*
kallias Ehrmann, 1918 *(Parnassius)*
d *pseudogallatinus* Bryk, 1913 *(Parnassius)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
hel Eisner, 1956 *(Parnassius)*
e *incredibilis* Bryk, 1935 *(Parnassius)* e e -- -- -- -- -- -- -- -- -- -- -- -- --
g *baldur* Edwards, 1877 *(Parnassius)* e -- -- -- -- -- -- -- -- -- -- -- -- -- --
h *altaurus* Dyar, 1903 *(Parnassius)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --
gallatinus Stichel, 1907 *(Parnassius)*
immaculata Skinner, 1911 *(Parnassius)*
shepardi Eisner, 1966 *(Parnassius)*

770289 *corybas* Fischer von Waldheim, 1823 *(Parnassius)** R AK YT NT -- BC -- -- -- -- -- -- -- -- -- --
NOTE: For many years this species has been referred to in NA and Europe as *P. phoebus* (Fabricius), but that was based on a longstanding misidentification. Following a recent ruling of the ICZN (2017), true *P. phoebus* (Fabricius) refers to a different species that is restricted to the Altai Mountains in Asia. Reports of the Asian species *P. nomion* from Sitka (AK) by Edwards (1877), and from "Canada" by The Natural History Society of Toronto (1883) likely refer to this species as well.
nomion of authors not Fischer von Waldheim, 1823 *(Parnassius)*
phoebus of authors (not Fabricius, 1793) *(Papilio)*
b *apricatus* Stichel, 1906 *(Parnassius)* r ak yt nt -- bc -- -- -- -- -- -- -- -- -- --
alaskensis Eisner, 1956 *(Parnassius)*
elias Bryk, 1932 *(Parnassius)*
c *golovinus* Holland, 1930 *(Parnassius)* r ak -- -- -- -- -- -- -- -- -- -- -- -- --

770291 *smintheus* Doubleday, 1847 *(Parnassius)* R -- YT -- -- BC AB SK E -- -- -- -- -- -- --
NOTE: The type locality of the synonym *manitobaensis* was given as "End Mountain Manitoba" in the original description; this was corrected to Exshaw (AB) by Pelham (2008). The erroneous MB record was repeated by Forbes (1960).

b *olympianna* Burdick, 1941 *(Parnassius)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
guppyi Wyatt, 1969 *(Parnassius)*

c *yukonensis* Eisner, 1969 *(Parnassius)* r -- yt -- -- bc -- -- -- -- -- -- -- -- --

d *smintheus* Doubleday, 1847 *(Parnassius)* r -- -- -- -- bc ab sk e -- -- -- -- -- -- --
ernestinae Bryk & Eisner, 1935 *(Parnassius)*
manitobaensis Bryk & Eisner, 1935 *(Parnassius)*
minor Verity, [1907] *(Parnassius)*
minusculus Bryk, 1912 *(Parnassius)*
nanus Neumögen, 1890 *(Parnassius)*
nigerrima Verity, [1907] *(Parnassius)*
rocky Grum-Grschmaïlo, 1890 *(Parnassius)*
verity Ehrmann, 1918 *(Parnassius)*

e *magnus* Wright, 1905 *(Parnassius)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
idahoensis Bryk & Eisner, 1931 *(Parnassius)*
mendica Stichel, 1907 *(Parnassius)*
montanula Bryk & Eisner, 1935 *(Parnassius)*
xanthus Ehrmann, 1918 *(Parnassius)*

g *sayii* Edwards, 1863 *(Parnassius)* e -- -- -- -- e -- -- -- -- -- -- -- -- --
hermodur Edwards, 1881 *(Parnassius)*

subfamily Papilioninae Latreille, [1802]

tribe Troidini Talbot, 1939

subtribe Battina Munroe & Ehrlich, 1960

Battus Scopoli, 1777

770294 *philenor* (Linnaeus, 1771) *(Papilio)* M -- -- -- -- -- -- S S M -- -- -- -- -- --
NOTE: This southern species breeds in southern ON but cannot overwinter there. Records from MB and SK are strays as no host plant is available there.

a *philenor* (Linnaeus, 1771) *(Papilio)* m -- -- -- -- -- -- s s m -- -- -- -- -- --
astinous (Drury, 1773) *(Papilio)*
nezahualcoyotl (Strecker, 1885) *(Papilio)*
obsoleta (Ehrmann, 1900) *(Papilio)*
serpentariae (Fabricius, 1938) *(Papilio)*
wasmuthii (Weeks, 1901) *(Papilio)*

tribe Leptocircini Kirby, 1896

Eurytides Hübner, [1821]

subgenus ***Neographium*** Möhn, 2002

marcellus group Brown, 1991

770296 *marcellus* (Cramer, 1777) *(Papilio)* M -- -- -- -- E -- -- -- M -- -- -- -- -- --
NOTE: This species may have been resident in Carolinian ON prior to major land use changes but is now considered a rare breeding migrant (Hall et al. 2014). The BC record by Anderson (1904) is assumed to be erroneous.

abbottii (Edwards, [1872]) *(Papilio)*
ajax (Linnaeus, 1758) *(Papilio)*
annonae (Fabricius, 1938) *(Papilio)*
broweri (Gunder, 1927) *(Papilio)*
carolinianus (Edwards, 1771) *(Papilio)*
cubensis (Boullet & Le Cerf, 1912) *(Papilio)*
floridensis (Holland, 1898) *(Papilio)*

lecontei (Rothschild & Jordan, 1906) *(Papilio)*
nigrosuffusa (Field, 1936) *(Iphiclides)*
pricei (Field, 1936) *(Iphiclides)*
telamonides (Felder & Felder, 1864) *(Papilio)*
tockhorni (Schultz, 1908) *(Papilio)*
walshii (Edwards, [1872]) *(Papilio)*

tribe Papilionini Latreille, [1802]

Papilio Linnaeus, 1758

subgenus ***Papilio*** Linnaeus, 1758

770298	*machaon* Linnaeus, 1758 *(Papilio)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
	NOTE: Subspecies *kahli* is recognised following Dupuis & Sperling (2015). Historical reports attributing Canadian populations to subspecies *bairdii* are erroneous.																	
	reginae Retzius, 1783 *(Papilio)*																	
	umbellatarum Fabricius, 1938 *(Papilio)*																	
b	*aliaska* Scudder, 1869 *(Papilio)*	r	ak	yt	nt	--	bc	e	--	--	--	--	--	--	--	--	--
	joannisi Verity, [1907] *(Papilio)*																	
	petersii Clark, 1932 *(Papilio)*																	
c	*hudsonianus* Clark, 1932 *(Papilio)*	r	--	--	nt	--	bc	ab	sk	mb	on	qc	--	--	--	--	--
	avinoffi Chermock & Chermock, 1937 *(Papilio)*																	
	comstocki Scott, 1986 *(Papilio)*																	
	comstocki Scott & Troubridge, 1981 *(Papilio)*																	
	frechini Seyer, 1977 *(Papilio)*																	
	kwakwapooshesi Seyer, 1977 *(Papilio)*																	
	prestoni Seyer, 1977 *(Papilio)*																	
d	*kahli* Chermock & Chermock, 1937 *(Papilio)*	r	--	--	--	--	--	--	--	mb	--	--	--	--	--	--	--
e	*pikei* Sperling, 1987 *(Papilio)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--
f	*oregonia* Edwards, 1876 *(Papilio)*	r	--	--	--	--	bc	e	--	e	--	--	--	--	--	--	--
g	*dodi* McDunnough, 1939 *(Papilio)*	r	--	--	--	--	u	ab	sk	--	--	--	--	--	--	--	--
h	*bairdii* Edwards, 1866 *(Papilio)*	e	--	--	--	--	e	e	e	e	--	--	--	--	--	--	--
	ampliata Scott, 1981 *(Papilio)*																	
	brucei Edwards, 1895 *(Papilio)*																	
	comstocki Scott, 1981 *(Papilio)*																	
	hollandii Edwards, 1892 *(Papilio)*																	
	utahensis Strecker, [1878] *(Papilio)*																	
770299	*brevicauda* Saunders, 1868 *(Papilio)*	R	--	--	--	--	--	--	--	--	--	QC	LB	NF	NB	NS	--
a	*brevicauda* Saunders, 1868 *(Papilio)*	r	--	--	--	--	--	--	--	--	--	qc	lb	nf	--	--	--
	anticostiensis Strecker, 1873 *(Papilio)*																
b	*bretonensis* McDunnough, 1939 *(Papilio)*	r	--	--	--	--	--	--	--	--	--	qc	--	--	nb	ns	--
c	*gaspeensis* McDunnough, 1934 *(Papilio)*	r	--	--	--	--	--	--	--	--	--	qc	--	--	nb	--	--
770301	*polyxenes* Fabricius, 1775 *(Papilio)**	R	--	--	--	--	E	--	SK	MB	ON	QC	--	--	NB	NS	PE
	NOTE: Reported in error by Smith (1994), in a list of exotic species introduced to BC, as *P. polyxenes asterius*.																	
b	*asterius* Stoll, 1782 *(Papilio)*	r	--	--	--	--	e	--	sk	mb	on	qc	--	--	nb	ns	pe
	alunata Skinner & Aaron, 1889 *(Papilio)*																	
	ampliata Ménétriés, 1857 *(Papilio)*																	
	asterioides Reakirt, [1867] *(Papilio)*																	
	calverleyi Grote, 1864 *(Papilio)*																	
	curvifascia Skinner, 1902 *(Papilio)*																	
	ehrmanni Ehrmann, 1925 *(Papilio)*																	
	forsythae Wood, 1937 *(Papilio)*																	
	gertrudis Kruck, 1931 *(Papilio)*																	
	gracehus Fabricius, 1938 *(Papilio)*																	
	masculina Reiff, 1911 *(Papilio)*																	
	mediocauda Eimer, 1895 *(Papilio)*																	
	pseudoamericus Brown, [1943] *(Papilio)*																	

rudkini Chermock & Chermock, 1937 *(Papilio)*
rudkini Comstock, 1935 *(Papilio)*
semialba Ehrmann, 1900 *(Papilio)*
subamplicata Dufrane, 1946 *(Papilio)*
viridis Cockerell, 1889 *(Papilio)*

770302 *zelicaon* Lucas, 1852 *(Papilio)* R AK -- -- -- BC AB SK E -- -- -- -- -- -- --
NOTE: Report of this species from MB by Brodie (1929) was deemed erroneous by Klassen et al. (1989), based on a misidentified specimen in the MMMN.
ampliatanitra Scott, 1981 *(Papilio)*
californica Ménétriés, 1855 *(Papilio)*
comstocki Scott, 1981 *(Papilio)*
formosa Fischer, 1908 *(Papilio)*
gothica Remington, 1968 *(Papilio)*
impunctata Fischer, 1908 *(Papilio)*
mcdunnoughi Gunder, 1928 *(Papilio)*
melanotaenia Fischer, 1908 *(Papilio)*
nitra Edwards, [1884] *(Papilio)*

770303 *indra* Reakirt, 1866 *(Papilio)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
b *indra* Reakirt, 1866 *(Papilio)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

subgenus ***Heraclides*** Hübner, [1819]

770305E *thoas* Linnaeus, 1771 *(Papilio)* E -- -- -- -- -- -- -- -- -- E -- -- E E --
NOTE: Old records of this species in Canada (Perrin & Russell 1912; Winn 1912; Heustis 1879) refer to *P. cresphontes*.

770306 *cresphontes* Cramer, 1777 *(Papilio)* R -- -- -- -- -- -- -- S ON QC -- -- S S --
NOTE: Historical NB records by Heustis (1879) and Moffat (1879) are misidentifications (Scudder 1889), but the species was found there for the first time in 2012 (Maritimes Butterfly Atlas 2016).
forsythae Gunder, 1933 *(Papilio)*
intacta Strand, 1918 *(Papilio)*
lurida Schultz, 1908 *(Papilio)*
luxuriosa Reiff, 1911 *(Papilio)*
maxwelli Franck, 1919 *(Papilio)*
melanurus Hoffmann, 1940 *(Papilio)*
oxilus Hübner, [1819] *(Papilio)*
pennsylvanicus Chermock & Chermock, 1945 *(Papilio)*

subgenus ***Pterourus*** Scopoli, 1777

770314 *canadensis* Rothschild & Jordan, 1906 *(Papilio)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE
arcticus Skinner, 1906 *(Papilio)*
borealis Boullet & Le Cerf, 1912 *(Papilio)*
deficiens Dufrane, 1946 *(Papilio)*
fletcheri Kemp, 1900 *(Papilio)*

770316 *glaucus* Linnaeus, 1758 *(Papilio)* R E E E -- E E E E ON E E E E E --
NOTE: This species occurs in Canada only in southern ON. Historical reports from elsewhere in nNA refer to *P. canadensis*, previously treated as a subspecies of *P. glaucus*. This species was listed as "probable" for QC by Handfield et al. (1997), but it does not occur particularly close to QC.
a *glaucus* Linnaeus, 1758 *(Papilio)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --
ajax Linnaeus, 1758 *(Papilio)*
alcidamus Cramer, 1775 *(Papilio)*
antilochus Linnaeus, 1758 *(Papilio)*
delunaris Schultz, 1908 *(Papilio)*
dietzi Gunder, 1927 *(Papilio)*
ehrmanni McDunnough, 1938 *(Papilio)*
gerhardi Gunder, 1927 *(Papilio)*
imperfecta Reiff, 1911 *(Papilio)*
lauri Fabricius, 1938 *(Papilio)*
niger Hering, 1912 *(Papilio)*
paupercula Reiff, 1911 *(Papilio)*

perfulva Schultz, 1908 *(Papilio)*
turnus Linnaeus, 1771 *(Papilio)*
wheeleri Reiff, 1911 *(Papilio)*

770318 *rutulus* Lucas, 1852 *(Papilio)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: Listed as "probable" for SK by Hooper (1973), but that is not realistic for this species, which has just recently been found in extreme southwestern AB.
ammoni Behrens, 1887 *(Papilio)*
arizonensis Edwards, 1883 *(Papilio)*
fannyae Gunder, 1927 *(Papilio)*
hospitonina Boullet & Le Cerf, 1912 *(Papilio)*
minirutulus Fisher, 2012 *(Papilio)*
rutulus Boisduval, 1852 *(Papilio)*

770319 *eurymedon* Lucas, 1852 *(Papilio)* R -- -- -- -- BC AB -- -- -- E -- -- -- -- --
NOTE: Listed as "probable" for SK by Hooper (1973), but that is not realistic for this species, which occurs as a stray in extreme southwestern AB. A historical QC record by Provancher & Huard (1927) is based on a misidentified *C. canadensis* specimen (Handfield et al. 1997).
albanus Felder & Felder, 1865 *(Papilio)*
cocklei Gunder, 1925 *(Papilio)*
columbiana Gunder, 1927 *(Papilio)*
eurymedon Boisduval, 1852 *(Papilio)*
lewisii Kirby, 1884 *(Papilio)*
subnigrata Schultz, 1908 *(Papilio)*

770320 *multicaudata* Kirby, 1884 *(Papilio)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
a *multicaudata* Kirby, 1884 *(Papilio)* e -- -- -- -- e e e -- -- -- -- -- -- -- --
daunus Boisduval, 1836 *(Papilio)*
b *pusillus* Austin & Emmel, 1998 *(Papilio)* r -- -- -- -- bc ab sk -- -- -- -- -- -- -- --
minimulticaudatus Fisher & Scott, 2012 *(Papilio)*

770324 *troilus* Linnaeus, 1758 *(Papilio)* R -- -- -- -- -- -- -- U ON QC -- -- -- -- --
NOTE: This species normally occurs only in southern ON, but a stray was collected near Thunder Bay in northwestern ON. As well, an old specimen in the CNC is labelled "Ayler QC", which presumably is from Aylmer (QC). The report from MB by Forbes (1960) is plausible, but no MB records were reported by Klassen et al. (1989) or Layberry et al. (1998).
a *troilus* Linnaeus, 1758 *(Papilio)* r -- -- -- -- -- -- -- u on qc -- -- -- -- --
addenda Dufrane, 1946 *(Papilio)*
anethi Fabricius, 1938 *(Papilio)*
berioi Dufrane, 1946 *(Papilio)*
flava Dufrane, 1946 *(Papilio)*
ilioneus Smith, 1797 *(Papilio)*
obliterata Dufrane, 1946 *(Papilio)*
radiatus Strecker, 1900 *(Papilio)*
texanus Ehrmann, 1900 *(Papilio)*

63. Family PIERIDAE Swainson, 1820 (whites, marbles, and sulphurs)

by G.R. Pohl, B.C. Schmidt, J.D. Lafontaine, and A.D. Macaulay

Pierids are medium-sized to large butterflies (wingspans of 30 to 60 mm in most NA species), and are generally white, yellow, orange, or greenish, and marked in black and other colours. The larvae are cylindrical, striped and covered in fine, short hair. Most feed on crucifers or legumes.

The family Pieridae contains about 1160 named species; 77 species are recorded in the Nearctic region, 42 of which occur in nNA. One more is expected in the region.

subfamily Coliadinae Swainson, 1821

Kricogonia Reakirt, [1864]

770327 *lyside* (Godart, 1819) *(Colias)* XI -- -- -- -- -- -- -- -- XI -- -- -- -- -- --
NOTE: This tropical species strays northwards to FL and TX. A specimen found near Guelph (ON) is assumed to be an accidental release (Otis et al. 2014, Hall et al. 2014).

anorbus Scott, 1981 *(Kricogonia)*
fantasia Butler, 1871 *(Kricogonia)*
lanice Lintner, [1885] *(Kricogonia)*
occidentalis Torre, 1988 *(Kricogonia)*
terissa (Boisduval, 1870) *(Rhodocera)*
terissa (Lucas, 1852) *(Rhodocera)*
unicolor Godman & Salvin, 1889 *(Kricogonia)*
xanthophila Röber, 1909 *(Kricogonia)*

***Nathalis* Boisduval, 1836**

770328	*iole* Boisduval, 1836 *(Nathalis)*	S	--	--	--	--	--	--	S	S	S	--	--	--	--	--	--
	a *iole* Boisduval, 1836 *(Nathalis)*	s	--	--	--	--	--	--	s	s	s	--	--	--	--	--	--
	alayoi Torre, 1951 *(Nathalis)*																
	albida Avinoff & Shoumatoff, 1941 *(Nathalis)*																
	felicia Poey, [1852] *(Nathalis)*																
	immaculata Field, 1936 *(Nathalis)*																
	irene Fitch, 1857 *(Nathalis)*																
	luteolus Reakirt, [1864] *(Nathalis)*																
	pallida Field, 1936 *(Nathalis)*																
	viridis Whittaker & Stallings, 1944 *(Nathalis)*																

***Eurema* Hübner, [1819]**

770331	*mexicana* (Boisduval, 1836) *(Terias)*	S	--	--	--	--	--	--	S	S	S	--	--	--	--	--	--
	a *mexicana* (Boisduval, 1836) *(Terias)*	s	--	--	--	--	--	--	s	s	s	--	--	--	--	--	--
	biedermanni Ehrmann, 1925 *(Eurema)*																
	damaris (Felder & Felder, 1865) *(Terias)*																
	depuiseti (Boisduval, 1870) *(Terias)*																
	recta Klots, 1929 *(Eurema)*																
	rosa Whittaker & Stallings, 1944 *(Eurema)*																

***Pyrisitia* Butler, 1870**

770336	*lisa* (Boisduval & Le Conte, [1830]) *(Xanthidia)*	M	--	--	--	--	--	--	--	S	M	S	--	--	S	S	--

NOTE: This southern species strays northwards regularly into southern ON where it sometimes breeds but cannot overwinter. Other records in Canada are considered strays. Use of the Palaearctic name "*Eurema euterpe* Ménétriés") by Perrin & Russell (1912) refers to this species.

	a *lisa* (Boisduval & Le Conte, [1830]) *(Xanthidia)*	m	--	--	--	--	--	--	--	s	m	s	--	--	s	s	--
	alba (Strecker, 1878) *(Terias)*																
	clappii (Maynard, 1891) *(Terias)*																
	immaculata (Whittaker & Stallings, 1944) *(Eurema)*																

***Abaeis* Hübner, [1819]**

770339	*nicippe* (Cramer, 1779) *(Papilio)*	S	--	--	--	--	--	--	--	--	S	S	--	--	--	--	--
	callae (Field, 1936) *(Eurema)*																
	dammersi (Gunder, 1930) *(Eurema)*																
	flava (Strecker, 1878) *(Terias)*																
	pallens (Whittaker & Stallings, 1944) *(Eurema)*																
	rosa (Scott, 1986) *(Eurema)*																

***Colias* [Fabricius], 1807**

770340	*philodice* Godart, 1819 *(Colias)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	a *philodice* Godart, 1819 *(Colias)*	r	--	--	--	--	u	u	u	mb	on	qc	lb	nf	nb	ns	pe
	alba Chermock, 1927 *(Colias)*																
	alba Ehrmann, 1890 *(Colias)*																

alba Pilate, 1882 *(Colias)*
alba Röber, 1909 *(Colias)*
alba Strecker, 1878 *(Colias)*
albida Chermock, 1928 *(Colias)*
albina Röber, 1909 *(Colias)*
albinic Edwards, [1885] *(Colias)*
albinic Skinner, 1898 *(Colias)*
anthyale Hübner, 1823 *(Colias)*
dorippe Godart, 1819 *(Colias)*
ehrmanni Chermock, 1927 *(Colias)*
hybrida Strecker, 1878 *(Colias)*
inversata Nakahara, 1926 *(Colias)*
luteitincta Wolcott, 1893 *(Colias)*
maria Edwards, 1885 *(Colias)*
melanic Edwards, [1885] *(Colias)*
melanic Skinner, 1898 *(Colias)*
minor Chermock, 1927 *(Colias)*
miscidice Scudder, 1889 *(Colias)*
nig Strecker, 1878 *(Colias)*
nigridice Scudder, 1889 *(Colias)*
nigrina Strecker, 1900 *(Colias)*
nigrofasciata Reiff, 1917 *(Colias)*
notatus Clark & Clark, 1941 *(Colias)*
pallidice Scudder, 1889 *(Colias)*
plicaduta Nakahara, 1926 *(Colias)*
reducta Dufrane, 1947 *(Colias)*
rothkei Reiff, 1917 *(Colias)*
santes Fitch, 1854 *(Colias)*
serrata Chermock, 1929 *(Colias)*
suffusa Cockerell, 1889 *(Colias)*
tegea Sievers, 1859 *(Colias)*
vernalis Scott, 1986 *(Colias)*
virida Strecker, 1878 *(Colias)*

b *eriphyle* Edwards, 1876 *(Colias)* r -- -- nt -- bc ab sk u -- -- -- -- -- -- --
autumnalis Cockerell, 1888 *(Colias)*
hagenii Edwards, [1884] *(Colias)*
kootenai Cockle, 1910 *(Colias)*
laurae (Chermock, 1929) *(Eurymus)*
minor Dufrane, 1947 *(Colias)*
nigricosta (Chermock, 1929) *(Eurymus)*

c *vitabunda* Hovanitz, 1943 *(Colias)* r ak yt -- -- bc u -- -- -- -- -- -- -- --
pallidissima Bowman, 1942 *(Colias)*

770341 *eurytheme* Boisduval, 1852 *(Colias)* M -- -- -- -- M M M M M M -- M M M M

NOTE: This species has at least two broods but is not known to overwinter in Canada.

alba Röber, 1909 *(Colias)*
alba Strecker, 1878 *(Colias)*
albina Röber, 1909 *(Colias)*
amphidusa Boisduval, 1852 *(Colias)*
ariadne Edwards, 1870 *(Colias)*
californiana Ménétriés, 1855 *(Colias)*
flava Strecker, 1878 *(Colias)*
fumosa Strecker, 1900 *(Colias)*
graeca Bang-Haas, 1927 *(Colias)*
graeca Verity, 1911 *(Colias)*
intermedia Cockerell, 1888 *(Colias)*
keewaydin Edwards, 1869 *(Colias)*
neuburgeri Geest, 1905 *(Colias)*
pallida Cockerell, 1887 *(Colias)*

pallida Cockerell, 1888 *(Colias)*
rudkini Gunder, 1932 *(Colias)*
typica Cockerell, 1888 *(Colias)*
unicitrina Gunder, 1924 *(Colias)*
vernalis Scott, 1986 *(Colias)*
xenodice Felder & Felder, 1859 *(Colias)*

770342 *occidentalis* Scudder, 1862 *(Colias)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Dod's erroneous (1901) AB record was corrected by Dod (1908), but the species was later reported again in error for AB by Bowman (1919).

a *occidentalis* Scudder, 1862 *(Colias)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
alba Scott, 1986 *(Colias)*

b *chrysomelas* Edwards, 1877 *(Colias)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --

770343 *christina* Edwards, 1863 *(Colias)* R AK YT NT -- BC AB SK MB -- -- -- -- -- -- --
NOTE: The subspecies *kluanensis* was treated as a full species by Philip & Ferris (2016).

a *kluanensis* Ferris, 1981 *(Colias)* r ak yt -- -- -- -- -- -- -- -- -- -- -- --
yukonensis Berger, 1986 *(Colias)*

b *christina* Edwards, 1863 *(Colias)* r u yt nt -- bc ab sk mb -- -- -- -- -- -- --
alberta Bowman, 1942 *(Colias)*
pallida Cockerell, 1889 *(Colias)*

c *sacajawea* Kohler, 2006 *(Colias)* r -- -- -- -- -- ab -- -- -- -- -- -- -- -- --

d *pseudocolumbiensis* Guppy & Shepard, 2001 *(Colias)*
r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

e *columbiensis* Ferris, 1973 *(Colias)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

770344 *alexandra* Edwards, 1863 *(Colias)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
NOTE: The subspecies *astraea* was treated as a subspecies of *C. christina* by Layberry et al. (1998), but is placed here following Pelham (2016).

a *altamont* Kondla & Kohler, 2006 *(Colias)* r -- -- -- -- -- ab -- -- -- -- -- -- -- -- --

b *astraea* Edwards, 1872 *(Colias)* r -- -- -- -- -- ab -- -- -- -- -- -- -- -- --

c *alexandra* Edwards, 1863 *(Colias)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --
alba Strecker, 1878 *(Colias)*
pallida Cockerell, 1889 *(Colias)*

f *edwardsii* Edwards, 1870 *(Colias)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
emilia Edwards, 1870 *(Colias)*
hatui (Barnes & Benjamin, 1926) *(Eurymus)*

770345E *harfordii* Edwards, 1877 *(Colias)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The BC record by Anderson (1904) is erroneous.

770346 *meadii* Edwards, 1871 *(Colias)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: Subspecies *elis* was raised to species status by Kondla & Schmidt (2010), but that has not been widely accepted.

b *elis* Strecker, 1885 *(Colias)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
lambillioni Dufrane, 1947 *(Colias)*

770347 *johanseni* Troubridge & Philip, 1990 *(Colias)* R -- -- -- NU -- -- -- -- -- -- -- -- -- -- --

770347.1 *rankinensis* Verhulst, 2009 *(Colias)* R -- -- -- NU -- -- -- -- -- -- -- -- -- -- --

770348 *hecla* Lefèbvre, 1836 *(Colias)* R AK YT NT NU BC E -- MB -- QC LB -- -- -- --
NOTE: Listed as "probable" for SK by Hooper (1973), but that is not realistic for this species.

a *hecla* Lefèbvre, 1836 *(Colias)* r ak yt nt nu bc -- -- e -- qc lb -- -- -- --
alba Scott, 1986 *(Colias)*
chrysothemoides Verity, [1911] *(Colias)*
glacialis M'Lachlan, 1878 *(Colias)*
groenlandica Rühl, 1893 *(Colias)*
palamedes Hemming, 1934 *(Colias)*
pallida [Skinner], 1892 *(Colias)*
zetterstedti Grum-Grschmaïlo, 1890 *(Colias)*

b *hela* Strecker, 1880 *(Colias)* r -- -- -- u -- e -- mb -- -- -- -- -- -- --

770349 *canadensis* Ferris, 1982 *(Colias)* R AK YT NT -- BC AB -- -- -- -- -- -- -- -- --

770350 *tyche* Böber, 1812 *(Colias)** R AK YT NT NU -- -- -- MB -- U P -- -- -- --
NOTE: A specimen from northern QC is of uncertain identity (Handfield 2011). This species may well occur in northern QC and LB.

c *thula* Hovanitz, 1955 *(Colias)* r ak -- nt u -- -- -- -- -- -- -- -- -- -- --

d *boothii* Curtis, 1835 *(Colias)* r -- yt nt nu -- -- -- mb -- u lb -- -- -- --
chione Curtis, 1835 *(Colias)*

770351	*nastes* Boisduval, 1832 *(Colias)**	R	AK	YT	NT	NU	BC	AB	--	MB	P	QC	LB	--	--	--	--
	a *nastes* Boisduval, 1832 *(Colias)*	r	--	--	--	nu	--	--	--	--	p	qc	lb	--	--	--	--
	gueneei Avinoff, 1935 *(Colias)*																
	heclides Verity, [1911] *(Colias)*																
	rossii Guenée, 1864 *(Colias)*																
	standfussi Röber, 1909 *(Colias)*																
	variabilis Verhulst, 2009 *(Colias)*																
	b *moina* Strecker, 1880 *(Colias)*	r	--	--	--	nu	--	--	--	mb	--	--	--	--	--	--	--
	harperi Gunder, 1932 *(Colias)*																
	c *aliaska* Bang-Haas, 1927 *(Colias)*	r	ak	yt	nt	nu	bc	--	--	--	--	--	--	--	--	--	--
	cocandicides Verity, [1911] *(Colias)*																
	ferrisi Verhulst, 2004 *(Colias)*																
	subarctica McDunnough, 1928 *(Colias)*																
	e *streckeri* Grum-Grschmaïlo, 1895 *(Colias)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--
	dioni Verhulst, 1999 *(Colias)*																
	obscurata Verity, [1911] *(Colias)*																
	palliflava McDunnough, 1927 *(Colias)*																
770352E	*scudderii* Reakirt, 1865 *(Colias)*	E	--	--	--	--	--	--	E	--	--	E	--	--	--	--	--
	NOTE: The SK record by Hooper (1973), and other records as "*C. scudderii gigantea*", refer to *C. gigantea*, now a separate species. As currently recognized, *C. scudderii* does not occur in Canada.																
770353	*gigantea* Strecker, 1900 *(Colias)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--
	a *inupiat* Harry, 2007 *(Colias)*	r	ak	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	b *gigantea* Strecker, 1900 *(Colias)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	--	--	--	--	--
	pelidneides Staudinger, 1901 *(Colias)*																
	c *mayi* Chermock & Chermock, 1940 *(Colias)*	r	--	--	e	--	e	u	u	mb	--	--	--	--	--	--	--
	marjorie Chermock & Chermock, 1940 *(Colias)*																
	nortepacifica Hammond & McCorkle, 2008 *(Colias)*																
	d *harroweri* Klots, 1940 *(Colias)*	r	--	--	--	--	u	ab	u	--	--	--	--	--	--	--	--
	gracemma Hammond & McCorkle, 2008 *(Colias)*																
	kohleri Hammond & McCorkle, 2008 *(Colias)*																
770354	*pelidne* Boisduval & Le Conte, [1830] *(Colias)*	R	--	E	E	E	E	E	--	EP	ON	QC	LB	NF	--	--	--
	NOTE: Rocky Mountain populations (including all known AB and BC material) have recently been recognized as a distinct species, *C. skinneri* (Pelham 2016). Western Arctic records portrayed on the range map of Layberry et al. (1998) are misidentifications; this species is not known west of ON. As detailed by Klassen et al. (1989), records of this species from MB are also based on mislabelled material, but the species may occur in the far north of the province.																
	alba Scott, 1986 *(Colias)*																
	canda Raineri & Carnevale, 1998 *(Colias)*																
	labradorensis Scudder, 1862 *(Colias)*																
	mira Verity, [1911] *(Colias)*																
	moeschleri Grum-Grschmaïlo, 1894 *(Colias)*																
770354.1	*skinneri* Barnes, 1897 *(Colias)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
	isni (Barnes & Benjamin, 1926) *(Eurymus)*																
	minisni Barnes & McDunnough, 1916 *(Colias)*																
	neri (Barnes & Benjamin, 1926) *(Eurymus)*																
770355	*interior* Scudder, 1862 *(Colias)*	R	--	--	NT	P	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	alba Scott, 1986 *(Colias)*																
	laurentina Scudder, 1876 *(Colias)*																
	nepi (Barnes & Benjamin, 1926) *(Eurymus)*																
	raritus Gunder, 1928 *(Colias)*																
	solivaga Edwards, 1877 *(Colias)*																
	vividior Berger, 1945 *(Colias)*																
770356	*palaeno* Linnaeus, 1761 *(Colias)**	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	--	--	--	--
	lapponica Staudinger, 1861 *(Colias)*																
	philomene Hübner, [1805] *(Colias)*																
	pruefferi Krzywicki, 1967 *(Colias)*																
	b *chippewa* Edwards, 1872 *(Colias)*	r	ak	yt	nt	nu	bc	ab	sk	mb	on	qc	lb	--	--	--	--
	gomojunovae Korshunov, 1996 *(Colias)*																
	helena Edwards, 1863 *(Colias)*																
	kohlsaati Gunder, 1931 *(Colias)*																
	c *baffinensis* Ebner & Ferris, [1978] *(Colias)*	r	--	--	--	nu	--	--	--	--	--	--	--	--	--	--	--

Zerene Hübner, [1819]

770358 *cesonia* (Stoll, 1790) *(Papilio)* S -- -- -- -- -- S -- S S -- -- -- -- -- --
NOTE: This species is a stray in southern Canada. A specimen was collected at Didsbury (AB) in 1944 by A. Rupp (Bird et al. 1995); it is deposited in the RAM.

a *cesonia* (Stoll, 1790) *(Papilio)* s -- -- -- -- -- s -- s s -- -- -- -- -- --
albida Vázquez, 1949 *(Zerene)*
centralamericana (Röber, 1909) *(Meganostoma [sic])*
immaculsecunda Gunder, 1928 *(Zerene)*
philippa (Fabricius, 1793) *(Papilio)*
rosa M'Neill, 1889 *(Zerene)*
rosea (Röber, 1909) *(Meganostoma [sic])*
stainkeae Field, 1936 *(Zerene)*

Phoebis Hübner, [1819]

770362 *sennae* (Linnaeus, 1758) *(Papilio)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

b *eubule* (Linnaeus, 1767) *(Papilio)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --
alba Scott, 1986 *(Phoebis)*
browni Field, 1936 *(Phoebis)*
drya (Fabricius, 1775) *(Papilio)*
lichas (d'Almeida, 1922) *(Catopsilia)*
pallida (Cockerell, 1889) *(Catopsilia)*
rosa Scott, 1986 *(Phoebis)*

770365 *philea* (Linnaeus, 1763) *(Papilio)* S -- -- -- -- -- -- -- -- S -- -- -- -- U --
NOTE: A rare stray in southern ON. Scott (1986) reports a record from NS, but that has not been verified.

a *philea* (Linnaeus, 1763) *(Papilio)* s -- -- -- -- -- -- -- -- s -- -- -- -- u --
alamacho Scott, 1981 *(Phoebis)*
alba Scott, 1986 *(Phoebis)*
crema Scott, 1981 *(Phoebis)*
lollia (Godart, 1819) *(Colias)*
obsoleta (Niepelt, 1920) *(Catopsilia)*

770364P *agarithe* (Boisduval, 1836) *(Callidryas)* P -- -- -- -- -- -- -- -- P -- -- -- -- -- --
NOTE: This species may be found in ON as a stray; it has been found as far north as NY (Hall et al. 2014).

c *maxima* (Neumögen, 1891) *(Catopsilia)* p -- -- -- -- -- -- -- -- p -- -- -- -- -- --
alba Scott, 1986 *(Phoebis)*
floridensis (Röber, 1909) *(Catopsilia)*

subfamily Pierinae Swainson, 1820

tribe Anthocharidini Scudder, 1889

Anthocharis Boisduval, Rambur, [Duménil] & Graslin, [1833]

subgenus ***Anthocharis*** Boisduval, Rambur, [Duménil] & Graslin, [1833]

770370 *sara* Lucas, 1852 *(Anthocharis)* R AK YT -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Records of this species in AB refer to *A. stella.*

b *sara* Lucas, 1852 *(Anthocharis)* e -- -- -- -- e -- -- -- -- -- -- -- -- --
reakirtii Edwards, 1869 *(Anthocharis)*

d *flora* Wright, 1892 *(Anthocharis)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --

e *alaskensis* Gunder, 1932 *(Anthocharis)* r ak yt -- -- bc -- -- -- -- -- -- -- -- --

770370.1 *stella* Edwards, 1879 *(Anthocharis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: Following Geiger & Shapiro (1986), Layberry et al. (1998), and Kondla & Schmidt (2010) we recognize the taxon *stella* as a full species.

b *sulfuris* Pelham, 2008 *(Anthocharis)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
columbia Scott, 2008 *(Anthocharis)*
sulfuris Gunder, 1931 *(Anthocharis)*

d *julia* Edwards, 1872 *(Anthocharis)* e -- -- -- -- -- e -- -- -- -- -- -- -- -- --

Euchloe Hübner, [1819]

tax info: Back et al. (2011)

770373 *ausonides* (Lucas, 1852) *(Anthocharis)* R AK YT NT -- BC AB SK MB ON -- -- -- -- -- --

NOTE: The subspecies *insulanus*, from Vancouver Island and the Gulf Islands of BC and WA, has been extirpated from Canada. It was last seen in Canada on Gabriola Island in 1908 (Guppy & Shepard 2001). Subspecies of *E. ausonides* are not well delimited.

a *ausonides* (Lucas, 1852) *(Anthocharis)* r -- u nt -- bc ab sk mb on -- -- -- -- -- --
ausonides (Boisduval, 1852) *(Anthocharis)*
boharti Doudoroff, 1930 *(Euchloe)*
flavidalis Comstock, 1924 *(Euchloe)*
semiflava Comstock, 1924 *(Euchloe)*

b *insulanus* Guppy & Shepard, 2001 *(Euchloe)* xt -- -- -- -- xt -- -- -- -- -- -- -- -- -- --

c *transmontana* Austin & Emmel, 1998 *(Euchloe)* u -- -- -- -- u -- -- -- -- -- -- -- -- -- --
hemiflava Field, 1936 *(Euchloe)*

d *coloradensis* (Edwards, 1881) *(Anthocharis)* e -- -- -- -- -- e -- e -- -- -- -- -- -- --

e *palaeoreios* Johnson, 1976 *(Euchloe)* u -- -- -- -- -- -- u -- -- -- -- -- -- -- --

f *mayi* Chermock & Chermock, 1940 *(Euchloe)* r -- -- e -- e u u mb -- -- -- -- -- -- --

g *ogilvia* Back, 1991 *(Euchloe)* r ak yt -- -- bc -- -- -- -- -- -- -- -- -- --

770374 *naina* Kozhantchikov, 1923 *(Euchloe)** R AK YT NT -- BC -- -- -- -- -- -- -- -- -- --

NOTE: Back (2015) considers this taxon to be a subspecies of the Eurasian *E. ausonia* (Hübner), but that has not been widely accepted. Specimens collected at Windy Pass (YT) were attributed to *E. ausonia kamchatkensis* therein.

ausonia of authors not Hübner, [1804] *(Euchloe)*

b *jakutia* Back, 1991 *(Euchloe)* r ak yt nt -- bc -- -- -- -- -- -- -- -- -- --

c *kamchatkensis* Back, 2008 *(Euchloe)* r u u -- -- -- -- -- -- -- -- -- -- -- --

770375 *olympia* (Edwards, 1871) *(Anthocharis)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
rosa (Edwards, 1882) *(Anthocharis)*

770376 *creusa* (Doubleday, [1847]) *(Anthocharis)* R AK YT NT -- BC AB SK P -- -- -- -- -- -- --

a *creusa* (Doubleday, [1847]) *(Anthocharis)* r ak yt nt -- bc ab sk p -- -- -- -- -- -- --
elsa Beutenmüller, 1898 *(Euchloe)*

770377E *hyantis* (Edwards, 1871) *(Anthocaris [sic])* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --

NOTE: Reported from BC by various workers including Cannings & Scudder (2007), but we treat these records as *E. lotta*, following Guppy & Shepard (2001).

770378 *lotta* (Beutenmüller, 1898) *(Anthocharis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

NOTE: Until recently this taxon has been treated as a subspecies of *E. hyantis*.

belioides Verity, [1909] *(Euchloe)*
pumilio Strand, 1915 *(Euchloe)*

tribe Pierini Swainson, 1820

subtribe Aporiina Chapman, 1895

Neophasia Behr, 1869

770382 *menapia* (Felder & Felder, 1859) *(Pieris)* R -- -- -- -- BC S -- -- -- -- -- -- -- -- --

NOTE: This species has not been seen in AB in many years; old records are thought to be strays from adjacent BC (Pohl et al. 2010).

b *menapia* (Felder & Felder, 1859) *(Pieris)* e -- -- -- -- e e -- -- -- -- -- -- -- -- --

d *tau* (Scudder, 1861) *(Pieris)* r -- -- -- -- bc s -- -- -- -- -- -- -- -- --
suffusa Stretch, 1882 *(Neophasia)*

subtribe Pierina Swainson, 1820

Pieris Schrank, 1801

napi group Robbins & Henson, 1986

770388 *angelika* Eitschberger, [1984] *(Pieris)* R AK YT NT -- BC -- -- -- -- -- -- -- -- -- --

770389 *marginalis* Scudder, 1861 *(Pieris)* R AK YT -- -- BC AB SK -- -- -- -- -- -- -- --

a *pseudobryoniae* Barnes & McDunnough, 1916 *(Pieris)*
e -- -- -- -- e -- -- -- -- -- -- -- -- -- --

	e	*guppyi* Eitschberger, [1984] *(Pieris)*	r	ak	--	--	--	bc	--	--	--	--	--	--	--	--	--	--
		postguppyi Eitschberger, [1984] *(Pieris)*																		
	f	*tremblayi* Eitschberger, [1984] *(Pieris)*	r	--	yt	--	--	bc	u	--	--	--	--	--	--	--	--	--
	g	*reicheli* Eitschberger, [1984] *(Pieris)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--
		postreicheli Eitschberger, [1984] *(Pieris)*																		
	h	*marginalis* Scudder, 1861 *(Pieris)*	r	e	e	--	--	bc	e	e	--	--	--	--	--	--	--	--	--
		flava Edwards, 1881 *(Pieris)*																		
		pallida Scudder, 1861 *(Pieris)*																		
	j	*venosa* Scudder, 1861 *(Pieris)*	e	--	--	--	--	e	--	--	--	--	--	--	--	--	--	--
	k	*castoria* Reakirt, 1866 *(Pieris)*	e	--	--	--	--	e	--	--	--	--	--	--	--	--	--	--
	n	*macdunnoughii* Remington, 1954 *(Pieris)*	e	--	--	--	--	--	e	--	--	--	--	--	--	--	--	--
		pseudonapi Barnes & McDunnough, 1916 *(Pieris)*																		
770390		*oleracea* Harris, 1829 *(Pieris)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
		NOTE: Historical reports of the Old World species *P. napi* in NA refer to this species.																		
	a	*oleracea* Harris, 1829 *(Pieris)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	--	nf	nb	ns	pe
		aestiva Edwards, 1881 *(Pieris)*																		
		casta Kirby, 1837 *(Pieris)*																		
		cruciferarum Boisduval, 1836 *(Pieris)*																		
		hyemalis Edwards, 1881 *(Pieris)*																		
		napi of authors (not Linnaeus, 1758) *(Papilio)*																		
		postoleracea Eitschberger, [1984] *(Pieris)*																		
		virginiensis Edwards, 1881 *(Pieris)*																		
	b	*frigida* Scudder, 1861 *(Pieris)*	r	--	--	--	--	--	--	--	--	e	qc	lb	e	--	--	--
		acadica Edwards, 1881 *(Pieris)*																		
		anteacadica Eitschberger, [1984] *(Pieris)*																		
		borealis Grote, 1873 *(Pieris)*																		
		ekisi Eitschberger, [1984] *(Pieris)*																		
		pseudoleracea Verity, [1908] *(Pieris)*																		
		vivida Verity, [1911] *(Pieris)*																		
770391		*virginiensis* Edwards, 1870 *(Pieris)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	b	*hyatti* Eitschberger, [1984] *(Pieris)*	r	--	--	--	--	--	--	--	--	on	qc	--	--	--	--	--

rapae group Robbins & Henson, 1986

770392		*rapae* (Linnaeus, 1758) *(Papilio)*+	R	XI	--	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
		NOTE: The sole AK specimen, from Wrangell, was deemed an unestablished introduction by Philip & Ferris (2016).																		
	a	*rapae* (Linnaeus, 1758) *(Papilio)*	r	xi	--	nt	nu	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	pe
		aestivus Verity, 1913 *(Pieris)*																		
		immaculata Cockerell, 1889 *(Pieris)*																		
		immaculata de Selys-Longchamps, 1857 *(Pieris)*																		
		immaculata Skinner & Aaron, 1889 *(Pieris)*																		
		metra (Stephens, 1827) *(Pontia)*																		
		minor (Costa, [1836]) *(Pontia)*																		
		novangliae Scudder, 1872 *(Pieris)*																		
		yreka Reakirt, 1866 *(Pieris)*																		

Pontia [Fabricius], 1807

770393		*beckerii* (Edwards, 1871) *(Pieris)*	R	--	--	--	--	BC	--	--	E	--	--	--	--	--	--	--
		NOTE: An old MB record is erroneous (Klassen et al. 1989).																		
		gunderi (Ingham, 1933) *(Pieris)*																		
		pseudochloridice (McDunnough, 1928) *(Pieris)*																		
770394		*protodice* (Boisduval & Le Conte, [1830]) *(Pieris)*	R	--	--	--	--	BC	M	M	M	ON	QC	--	--	--	--	--
		NOTE: This species is a regular migrant in the Prairie Provinces, but it is not a permanent year-round resident there. Elsewhere in Canada, colonies can persist for several years, and may have become permanent under a warming climate.																		
		nasturtii (Edwards, 1864) *(Pieris)*																		
		vernalis (Edwards, 1864) *(Pieris)*																		
770395		*occidentalis* (Reakirt, 1866) *(Pieris)*	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	--	--	--	--	--	--
	a	*occidentalis* (Reakirt, 1866) *(Pieris)*	r	--	--	--	--	bc	ab	sk	mb	on	--	--	--	--	--	--
		calyce (Edwards, 1870) *(Pieris)*																		

	b *nelsoni* (Edwards, 1883) *(Pieris)*	r	ak	yt	nt	nu	bc	e	--	--	--	--	--	--	--	--	--	--	--
770396	*sisymbrii* (Boisduval, 1852) *(Pieris)*	R	P	YT	NT	--	BC	AB	P	--	--	--	--	--	--	--	--	--	--
	f *flavitincta* (Comstock, 1924) *(Pieris)*	r	--	e	e	--	bc	ab	--	--	--	--	--	--	--	--	--	--	--
	g *beringiensis* Guppy & Kondla, 2001 *(Pontia)*	r	p	yt	nt	--	bc	ab	p	--	--	--	--	--	--	--	--	--	--

***Ascia* Scopoli, 1777**

770397	*monuste* (Linnaeus, 1764) *(Papilio)*	S	--	--	--	--	--	--	--	--	S	--	--	--	--	--	--	--	--
	NOTE: Known in Canada from a single sighting at Point Pelee (ON).																		
	a *monuste* (Linnaeus, 1764) *(Papilio)*	s	--	--	--	--	--	--	--	--	s	--	--	--	--	--	--	--	--
	feronia (Stephens, 1828) *(Pieris)*																		
	heliades (Billberg, 1820) *(Cepora)*																		
	nigra Scott, 1981 *(Ascia)*																		

64. Family LYCAENIDAE Leach, 1815 (gossamer-wings: coppers, hairstreaks, and blues)

by G.R. Pohl, B.C. Schmidt, J.D. Lafontaine, and A.D. Macaulay

Lycaenids are small to medium-sized butterflies, with wingspans of about 20 to 50 mm. They are often brightly coloured, frequently in iridescent blues, greens, and coppery tones. Many have small, hair-like tails on the hind wings. The forelegs of male adults are reduced in length (the tarsal segments are fused) and lack claws, but the forelegs of females have a normal structure and are fully functional. The larvae are oval, flattened and grub-like; many have glands that produce sweet liquids. The larvae feed on many groups of dicotyledonous plants. Some larvae are symbiotic with ants, which protect them from predators in exchange for the honeydew from their abdominal glands.

The family contains about 5200 named species worldwide. There are about 165 species in the Nearctic region, 66 of which have been reported from nNA. One more is expected in the region.

subfamily Miletinae Reuter, 1896

tribe Miletini Reuter, 1896

subtribe Spalgina Toxopeus, 1929

***Feniseca* Grote, 1869**

770400	*tarquinius* (Fabricius, 1793) *(Hesperia)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	--	NB	NS	PE		
	a *tarquinius* (Fabricius, 1793) *(Hesperia)*	r	--	--	--	--	--	--	sk	mb	on	qc	--	--	nb	u	pe		
	crataegi (Boisduval & Le Conte, [1835]) *(Polyommatus)*																		
	porsenna (Scudder, 1863) *(Polyommatus)*																		
	suffusa Dean, 1918 *(Feniseca)*																		
	b *novascotiae* McDunnough, 1935 *(Feniseca)*	r	--	--	--	--	--	--	--	--	--	--	--	--	u	ns	u		

subfamily Lycaeninae [Leach], [1815]

tribe Lycaenini [Leach], [1815]

***Lycaena* [Fabricius], 1807**

subgenus ***Lycaena*** [Fabricius], 1807

770401	*phlaeas* (Linnaeus, 1761) *(Papilio)**	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE		
	b *hypophlaeas* (Boisduval, 1852) *(Polyommatus)*	r	--	--	--	--	--	e	sk	mb	on	qc	--	--	nb	ns	pe		
	adrienne (Maynard, 1891) *(Chrysophanus)*																		
	americana Harris, 1862 *(Lycaena)*																		
	bacchus (Scudder, 1889) *(Heodes)*																		

banksi (Watson & Comstock, 1920) *(Heodes)*
caeca (Reiff, 1913) *(Heodes)*
fasciata (Strecker, 1878) *(Chrysophanus)*
fulliolus (Hulst, 1886) *(Chrysophanus)*
fulvus (Rummel, 1929) *(Heodes)*
neui (Rummel, 1929) *(Heodes)*
obliterata (Scudder, 1889) *(Heodes)*
octomaculata (Dean, 1918) *(Chrysophanus)*

c *feildeni* (M'Lachlan, 1878) *(Chrysophanus)* r ak yt nt nu -- -- -- -- -- -- -- -- -- --

d *arethusa* (Dod, 1907) *(Chrysophanus)* r ak yt -- -- bc ab e -- -- -- -- -- -- -- --

770402 *cupreus* (Edwards, 1870) *(Chrysophanus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --

c *henryae* (Cadbury, 1937) *(Chrysophanus)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --
mcdunnoughi Gunder, 1927 *(Lycaena)*

d *snowi* (Edwards, [1881]) *(Chrysophanus)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --

subgenus ***Chalceria*** Scudder, 1876

770405 *dione* (Scudder, 1868) *(Chrysophanus)* R -- -- -- -- BC AB SK MB ON -- -- -- -- -- --
gibboni Gunder, 1927 *(Lycaena)*

770406 *editha* (Mead, 1878) *(Chrysophanus)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --
NOTE: This species was listed as "probable" for SK by Hooper (1973) but that is unlikely.

d *vurali* Koçak, 1984 *(Lycaena)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --
meadi Field, 1936 *(Lycaena)*
montana Field, 1936 *(Lycaena)*

770407E *xanthoides* (Boisduval, 1852) *(Polyommatus)* E -- -- -- -- -- E E E E -- -- -- -- -- --
NOTE: Historical reports of *L. xanthoides dione* in Canada are erroneous, due to a previous taxonomic arrangement. *Lycaena dione* is the Canadian species; true *L. xanthoides* does not occur in Canada.

770409 *rubidus* (Behr, 1866) *(Chrysophanus)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

f *sirius* (Edwards, 1871) *(Chrysophanus)* r -- -- -- -- -- ab sk -- -- -- -- -- -- -- --

770410 *heteronea* Boisduval, 1852 *(Lycaena)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --

a *heteronea* Boisduval, 1852 *(Lycaena)* e -- -- -- -- e e -- -- -- -- -- -- -- --

g *klotsi* Field, 1936 *(Lycaena)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --

subgenus ***Epidemia*** Scudder, 1876

Hyllolycaena Miller & Brown, 1979

770411 *hyllus* (Cramer, 1775) *(Papilio)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE
thoe (Guérin-Méneville, [1832]) *(Polyommatus)*
wormsbacheri Gunder, 1927 *(Lycaena)*
wyatti Gunder, 1927 *(Lycaena)*

770412 *epixanthe* (Boisduval & Le Conte, [1835]) *(Polyommatus)*
R -- -- -- -- E E E MB ON QC LB NF NB NS PE
NOTE: Western Canadian records by Belton (1988), and the early BC record by Anderson (1904), are deemed erroneous.

a *epixanthe* (Boisduval & Le Conte, [1835]) *(Polyommatus)*
r -- -- -- -- -- -- -- -- -- qc -- -- nb -- --

b *phaedrus* (Hall, 1924) *(Heodes)* r -- -- -- -- -- -- -- -- -- qc e nf nb ns pe
amicetus (Holland, 1931) *(Chrysophanus)*

c *michiganensis* Rawson, 1948 *(Lycaena)* r -- -- -- -- -- -- -- mb on qc -- -- -- -- --

770413 *dorcas* Kirby, 1837 *(Lycaena)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS --

a *claytoni* Brower, 1940 *(Lycaena)* r -- -- -- -- -- -- -- -- -- -- -- nb ns --

c *dorcas* Kirby, 1837 *(Lycaena)* r e e nt nu bc ab sk mb on qc lb nf -- -- --
anthelle (Doubleday, 1847) *(Polyommatus)*

d *arcticus* (Ferris, 1977) *(Epidemia)* r ak yt -- -- u -- -- -- -- -- -- -- -- -- --

e *florus* (Edwards, [1884]) *(Chrysophanus)* r -- yt nt -- bc ab -- -- -- -- -- -- -- -- --

770414 *dospassosi* McDunnough, 1940 *(Lycaena)* R -- -- -- -- -- -- -- -- -- QC -- -- NB NS PE

770415 *helloides* (Boisduval, 1852) *(Polyommatus)* R -- E -- -- BC AB SK MB ON QC -- -- -- -- --
NOTE: The Forbes (1960) YT record is assumed to be erroneous; no vouchers are known north of the Peace River region in BC and AB.

castro (Reakirt, 1866) *(Polyommatus)*
sternitzkyi Gunder, 1927 *(Lycaena)*

770416 *nivalis* (Boisduval, 1869) *(Polyommatus)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --
e *browni* Dos Passos, 1938 *(Lycaena)* r -- -- -- -- bc p -- -- -- -- -- -- -- -- --

770417 *mariposa* (Reakirt, 1866) *(Polyommatus)* R AK YT -- -- BC AB SK -- -- -- -- -- -- -- --
a *mariposa* (Reakirt, 1866) *(Polyommatus)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
zeroe (Boisduval, 1869) *(Polyommatus)*
b *charlottensis* (Holland, 1930) *(Chrysophanus)* r ak yt -- -- bc -- -- -- -- -- -- -- -- --
c *penroseae* Field, 1938 *(Lycaena)* r -- e -- -- bc ab sk -- -- -- -- -- -- --

subfamily Theclinae Swainson, 1831

tribe Eumaeini Doubleday, 1847

subtribe Eumaeina Doubleday, 1847

Satyrium Scudder, 1876

subgenus ***Satyrium*** Scudder, 1876
Harkenclenus Dos Passos, 1970
Neosatyrium Fisher, 2009

770426E *fuliginosa* (Edwards, 1861) *(Halisidota)* E -- -- -- -- E E -- -- -- -- -- -- -- --
NOTE: Reports of this species in western Canada refer to *S. semiluna*, then considered a subspecies of *S. fuliginosa*, but now considered a full species, following Warren (2005).

770427 *semiluna* Klots, 1930 *(Satyrium)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).
a *semiluna* Klots, 1930 *(Satyrium)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --

770428 *behrii* (Edwards, 1870) *(Thecla)* R -- -- -- -- BC -- -- -- -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).
b *columbia* (McDunnough, 1944) *(Callipsyche)* r -- -- -- -- bc -- -- -- -- -- -- -- --

770429 *acadica* (Edwards, 1862) *(Thecla)* R -- -- -- -- E AB SK MB ON QC -- -- NB NS PE
NOTE: Reports of this species from southeastern BC by Anderson (1904) and Ferris & Brown (1981) and others refer to *S. sylvinus*.
a *acadica* (Edwards, 1862) *(Thecla)* r -- -- -- -- -- ab sk mb on qc -- -- nb ns pe
coolinensis (Watson & Comstock, 1920) *(Strymon)*
muskoka (Watson & Comstock, 1920) *(Strymon)*
souhegan (Whitney, 1868) *(Thecla)*
swetti (Watson & Comstock, 1920) *(Strymon)*
watrini (Dufrane, 1939) *(Thecla)*
b *montanensis* (Watson & Comstock, 1920) *(Strymon)* r -- -- -- -- -- ab -- -- -- -- -- -- -- --

770430 *californica* (Edwards, 1862) *(Thecla)* R -- -- -- -- BC E -- -- -- -- -- -- -- --
NOTE: The AB record by Bowman (1951) is erroneous, based on misidentified *S. sylvinus* material. Hooper (1973) listed this species as "probable" for SK but that was similarly based on *S. sylvinus*.
a *californica* (Edwards, 1862) *(Thecla)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
borus (Boisduval, 1869) *(Thecla)*

770431 *sylvinus* (Boisduval, 1852) *(Thecla)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --
b *nootka* Fisher, 1998 *(Satyrium)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --
c *putnami* (Edwards, 1877) *(Thecla)* e -- -- -- -- e -- -- -- -- -- -- -- -- --

770432 *titus* (Fabricius, 1793) *(Hesperia)* R -- -- -- -- BC AB SK MB ON QC -- -- E -- --
NOTE: The NB record by McIntosh (1899b) could not be verified and is assumed to refer to another species of *Satyrium*. We follow the subspecies division of Layberry et al. (1998), who describe an intergradation zone in MB, rather than Guppy & Shepard (2001), who separate these subspecies along the continental divide.
a *titus* (Fabricius, 1793) *(Hesperia)* r -- -- -- -- e e -- mb on qc -- -- -- -- --
mopsus (Hübner, 1818) *(Chrysophanus)*
e *immaculosus* (Comstock, 1913) *(Strymon)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

770433 *edwardsii* (Grote & Robinson, 1867) *(Thecla)* R -- -- -- -- -- -- SK MB ON QC -- -- -- E --
NOTE: The NS record by Forbes (1960) could not be verified and is assumed to be erroneous.
a *edwardsii* (Grote & Robinson, 1867) *(Thecla)* r -- -- -- -- -- -- sk mb on qc -- -- -- -- --
fabricii (Kirby, 1871) *(Thecla)*

| | | |

subgenus ***Xamia*** Clench, 1961

770460E *xami* Reakirt, [1867] *(Callophrys)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The BC record by ESBC (1906), as "*Thecla blenina* Hewitson", a synonym, is erroneous. This species does not occur in northwestern NA.
blenina (Hewitson, 1868) *(Thecla)*

subgenus ***Cisincisalia*** Johnson, 1992
Loranthomitoura Ballmer & Pratt, 1992

770462 *spinetorum* (Hewitson, 1867) *(Thecla)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: Historical records of this species from MB were treated as erroneous by Klassen et al. (1989).
a *spinetorum* (Hewitson, 1867) *(Thecla)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
cuyamaca (Wright, 1922) *(Mitoura)*
ninus (Edwards, 1871) *(Thecla)*
770463 *johnsoni* (Skinner, 1904) *(Thecla)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

subgenus ***Incisalia*** Scudder, 1872
Deciduphagus Johnson, 1992

770464 *augustinus* (Westwood, 1852) *(Thecla)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *croesioides* (Scudder, 1876) *(Incisalia)* e -- -- -- -- -- -- -- e -- -- -- -- -- -- --
b *helenae* (Dos Passos, 1943) *(Incisalia)* r -- -- -- -- -- -- -- -- -- -- -- nf -- ns --
c *augustinus* (Westwood, 1852) *(Thecla)* r ak yt nt -- bc ab sk mb on qc lb -- nb ns pe
augustus (Kirby, 1837) *(Thecla)*
e *iroides* (Boisduval, 1852) *(Thecla)* r -- e e -- bc ab e -- -- -- -- -- -- -- --
immaculata (Cockle, 1897) *(Thecla)*
770466 *mossii* (Edwards, 1881) *(Thecla)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *schryveri* (Cross, 1937) *(Incisalia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
b *mossii* (Edwards, 1881) *(Thecla)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
770467 *polios* (Cook & Watson, 1907) *(Incisalia)* R AK YT NT -- BC AB SK MB ON QC -- -- NB NS PE
a *polios* (Cook & Watson, 1907) *(Incisalia)* r e e e -- e e e mb on qc -- -- nb ns pe
davisi (Watson & Comstock, 1920) *(Incisalia)*
b *obscurus* (Ferris & Fisher, 1973) *(Incisalia)* r ak yt nt -- bc ab sk mb -- -- -- -- -- -- --
770468 *irus* (Godart, [1824]) *(Polyommatus)* XT -- -- -- -- E E -- E XT E -- -- -- E --
NOTE: Historical records of this species outside of southern ON are misidentifications, probably based on *C. polios* (Layberry et al. 1998). This species is known only from near St. Williams in southern ON and has not been seen there since 1988. It may have been extirpated from Canada, and is considered as such herein following COSEWIC (2016).
a *irus* (Godart, [1824]) *(Polyommatus)* xt -- -- -- -- e e -- e xt e -- -- -- e --
balteata (Scudder, 1889) *(Incisalia)*
b *arsace* (Boisduval & Le Conte, [1835]) *(Thecla)* e -- -- -- -- -- -- -- -- -- -- -- -- -- e --
770469 *henrici* (Grote & Robinson, 1867) *(Thecla)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
a *henrici* (Grote & Robinson, 1867) *(Thecla)* r -- -- -- -- -- -- -- mb on qc -- -- nb ns pe
770470 *lanoraieensis* (Sheppard, 1934) *(Incisalia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
770471 *niphon* (Hübner, [1819]) *(Licus)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE
a *niphon* (Hübner, [1819]) *(Licus)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --
plautus (Scudder, 1887) *(Hesperia)*
b *clarki* (Freeman, 1938) *(Incisalia)* r -- -- nt -- bc ab sk mb on qc -- -- nb ns pe
770472 *eryphon* (Boisduval, 1852) *(Thecla)* R -- YT NT -- BC AB SK MB ON QC -- -- NB -- --
b *sheltonensis* (Chermock & Frechin, [1949]) *(Incisalia)* r – – – – bc – e – – – – – – – –
c *eryphon* (Boisduval, 1852) *(Thecla)* r -- yt nt -- bc ab sk mb on qc -- -- nb -- --

***Strymon* Hübner, 1818**
Heoda Johnson, Miller & Herrera, 1992

melinus group Robbins & Nicolay, 2002

770480 *melinus* Hübner, 1818 *(Strymon)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
b *humuli* (Harris, 1841) *(Thecla)* r -- -- -- -- -- e e e on qc -- -- nb ns --
meinersi Gunder, 1927 *(Strymon)*

c *franki* Field, 1938 *(Strymon)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --
d *setonia* McDunnough, 1927 *(Strymon)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
e *atrofasciata* McDunnough, 1921 *(Strymon)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

***Parrhasius* Hübner, [1819]**

770500 *m-album* (Boisduval & Le Conte, [1833]) *(Thecla)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: A southern stray known in Canada from several records in extreme southern ON (Layberry et al. 1998).
euripides (Fabricius, 1793) *(Hesperia)*
psyche (Boisduval & Le Conte, [1833]) *(Thecla)*

***Erora* Scudder, 1872**
Androcona Johnson, Eisele & MacPherson, 1993
Necmitoura Johnson, Eisele & MacPherson, 1993
Sarracenota Johnson, Eisele & MacPherson, 1993

770502 *laeta* (Edwards, 1862) *(Thecla)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
clothilde (Edwards, 1863) *(Thecla)*

subtribe Calycopidina Duarte & Robbins, 2010

***Calycopis* Scudder, 1876**
Antrissima Johnson, 1991
Argentostriatus Johnson, 1991
Cyanodivida Johnson, 1991
Distissima Johnson, 1991
Femniterga Johnson, 1988
Fieldia Johnson, 1991
Furcovalva Johnson, 1991
Gigantofalca Johnson, 1991
Klaufera Johnson, 1991
Kroenleina Johnson, 1991
Mercedes Johnson, 1991
Morphissima Johnson, 1991
Profieldia Johnson, 1992
Reversustus Johnson, 1991
Serratofalca Johnson, 1991
Serratoterga Johnson, 1991
Tergissima Johnson, 1988
Terminospinissima Johnson, 1991

770478 *cecrops* (Fabricius, 1793) *(Hesperia)* XI -- -- -- -- -- -- XI -- -- -- -- -- -- -- --
NOTE: This species is known in Canada from a single fresh specimen in the CNC, apparently collected at Limerick (SK) on 1 August 1955 by A.R. Brooks (Hooper 1973; Layberry et al. 1998). It is otherwise a resident of southeastern USA, with strays only as far north as MI, MN, and IL. The fresh SK specimen is almost certainly either mislabelled or a human-aided introduction, and the species is treated as such herein. It was considered an expected species in ON by Hall et al. (2014) but that is unlikely.
gottschalki (Clark & Clark, 1938) *(Strymon)*
nivnix (Johnson, Eisele & MacPherson, 1990) *(Strymon)*
poeas (Hübner, [1811]) *(Rusticus)*

subfamily Polyommatinae Swainson, 1827

tribe Polyommatini Swainson, 1827

subtribe Celastrinina Tutt, 1907

***Celastrina* Tutt, 1906**

770512 *lucia* (Kirby, 1837) *(Polyommatus)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE

	a	*lucia* (Kirby, 1837) *(Polyommatus)*	r	ak	yt	nt	nu	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	pe
		brunnea Tutt, 1908 *(Celastrina)*																
		fumida (Scudder, 1889) *(Cyaniris)*																
		inaequalis Tutt, 1908 *(Celastrina)*																
		lucimargina Scott, 1981 *(Celastrina)*																
		maculatasuffusa (Cockle, 1910) *(Cyaniris)*																
		marginata (Edwards, 1883) *(Lycaena)*																
		pseudora (Scudder, 1889) *(Cyaniris)*																
		quesnellii (Cockle, 1910) *(Cyaniris)*																
		subtusjuncta Tutt, 1908 *(Celastrina)*																
770513		*echo* (Edwards, 1864) *(Lycaena)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
	a	*echo* (Edwards, 1864) *(Lycaena)*	e	--	--	--	--	e	--	--	--	--	--	--	--	--	--	--
	b	*nigrescens* (Fletcher, 1903) *(Lycaena)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--
		bakeri (Clench, 1944) *(Lycaenopsis)*																
770514		*ladon* (Cramer, 1780) *(Papilio)*	R	E	E	E	E	E	E	E	E	ON	E	E	E	E	E	--
		NOTE: Most records of this species in Canada are actually *C. lucia*, previously treated as a subspecies of *C. ladon* but now recognized as distinct (Pelham 2008). The only confirmed records of this species in nNA are from southernmost ON (Schmidt & Layberry 2016). The Old World name *C. argiolus* has been used historically for this species in NA.																
		argiolus of authors (not Linnaeus, 1758) *(Papilio)*																
		pseudargiolus (Boisduval & Le Conte, [1835]) *(Argus)*																
		violacea (Edwards, 1866) *(Lycaena)*																
770516E		*serotina* Pavulaan & Wright, 2005 *(Celastrina)*	E	--	--	--	--	--	--	--	--	E	E	--	--	E	E	E
		NOTE: This species does not occur in nNA (Schmidt & Layberry 2016); previous records are misidentified *C. lucia* and *C. neglecta*.																
770517		*neglecta* (Edwards, 1862) *(Lycaena)*	R	--	--	--	--	E	AB	SK	MB	ON	E	--	--	E	E	E
		NOTE: This species has been historically misidentified in Canada; records from BC, and east of southern ON are erroneous (Schmidt & Layberry 2016).																
		argentata (Fletcher, 1903) *(Lycaena)*																
		deutargiolus (Scudder, 1869) *(Polyommatus)*																
		pauper Tutt, 1908 *(Celastrina)*																

subtribe Scolitantidina Tutt, 1907

Glaucopsyche Scudder, 1872

770539		*piasus* (Boisduval, 1852) *(Lycaena)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--
	b	*sagittigera* (Felder & Felder, 1865) *(Lycaena)*	e	--	--	--	--	e	e	--	--	--	--	--	--	--	--	--
	f	*toxeuma* Brown, 1971 *(Glaucopsyche)*	r	--	--	--	--	bc	u	--	--	--	--	--	--	--	--	--
	h	*daunia* (Edwards, 1871) *(Lycaena)*	r	--	--	--	--	e	ab	sk	--	--	--	--	--	--	--	--
770540		*lygdamus* (Doubleday, 1841) *(Polyommatus)*	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	a	*lygdamus* (Doubleday, 1841) *(Polyommatus)*	e	--	--	--	--	--	--	--	--	e	--	--	--	--	--	--
	b	*mildredae* Chermock, 1945 *(Glaucopsyche)*	r	--	--	--	--	--	--	--	--	--	--	--	--	--	ns	--
	c	*couperi* Grote, 1873 *(Glaucopsyche)*	r	ak	yt	nt	nu	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	pe
		mcdunnoughi Gunder, 1927 *(Glaucopsyche)*																
	d	*afra* (Edwards, [1884]) *(Lycaena)*	r	--	--	--	--	--	ab	sk	mb	--	--	--	--	--	--	--
	f	*oro* (Scudder, 1876) *(Nomiades)*	e	--	--	--	--	e	e	e	--	--	--	--	--	--	--	--
	o	*xerces* (Boisduval, 1852) *(Lycaena)*	e	--	--	--	--	e	--	--	--	--	--	--	--	--	--	--
		antiacis (Boisduval, 1852) *(Lycaena)*																
	s	*columbia* (Skinner, 1917) *(Lycaena)*	r	--	--	--	--	bc	e	--	--	--	--	--	--	--	--	--

Euphilotes Mattoni, [1978]

battoides complex Pratt & Emmel, 1998

770526		*battoides* (Behr, 1867) *(Lycaena)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
		NOTE: Reports of this species in BC by Layberry et al. (1998), Guppy & Shepard (2001), and others refer to an undescribed species of *Euphilotes*, but they are listed here pending formal description of that species.																

770527 *glaucon* (Edwards, 1871) *(Lycaena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: Canadian records of this species have been variously assigned to subspecies *glaucon* and *oregonensis*, but they may in fact represent an undescribed species of *Euphilotes*.
a *glaucon* (Edwards, 1871) *(Lycaena)* u -- -- -- -- u -- -- -- -- -- -- -- -- -- --
b *oregonensis* (Barnes & McDunnough, 1917) *(Philotes)*
u -- -- -- -- u -- -- -- -- -- -- -- -- -- --

enoptes complex Pratt & Emmel, 1998

770533E *enoptes* (Boisduval, 1852) *(Lycaena)* E -- -- -- -- -- E E -- -- -- -- -- -- -- --
NOTE: Canadian records refer to *E. ancilla*, previously treated by many workers as a subspecies of *E. enoptes*. True *E. enoptes* as currently delimited does not occur in nNA.
770534P *columbiae* (Mattoni, 1954) *(Philotes)* P -- -- -- -- P -- -- -- -- -- -- -- -- -- --
NOTE: This species is known from the Okanagan Valley of WA, very close to the BC border; it may occur in BC as well (Guppy & Shepard 2001).
770535 *ancilla* (Barnes & McDunnough, 1918) *(Philotes)* R -- -- -- -- P AB SK -- -- -- -- -- -- -- --
NOTE: Known from MT, very close to the BC border.
b *ancilla* (Barnes & McDunnough, 1918) *(Philotes)* r -- -- -- -- p ab sk -- -- -- -- -- -- -- --

subtribe Leptotina Wagener, 1995

Leptotes Scudder, 1876

marina group Bálint & Johnson, 1995

770506 *marina* (Reakirt, 1868) *(Lycaena)* S -- -- -- -- -- -- S -- S -- -- -- -- -- --
NOTE: A southern stray known in Canada from two records.
burdicki Henne, 1935 *(Leptotes)*
reakirti Field, 1936 *(Leptotes)*
violacea Gunder, 1925 *(Leptotes)*

subtribe Everina Tutt, 1907

Cupido Schrank, 1801

subgenus ***Everes*** Hübner, [1819]

770510 *comyntas* (Godart, [1824]) *(Polyommatus)* R -- -- -- -- BC E SK MB ON QC -- -- NB NS PE
NOTE: This species appears to be a recent (2014) arrival in NS and PE (Maritimes Butterfly Atlas 2016). The AB record by Opler (1999) was a mapping error (Pohl et al. 2010).
a *comyntas* (Godart, [1824]) *(Polyommatus)* r -- -- -- -- bc -- sk mb on qc -- -- nb ns pe
meinersi (Field, 1938) *(Everes)*
watermani (Nakahara, 1926) *(Everes)*
770511 *amyntula* (Boisduval, 1852) *(Lycaena)* R AK YT NT NU BC AB SK MB ON QC -- -- NB -- --
b *amyntula* (Boisduval, 1852) *(Lycaena)* r e e e -- bc e -- -- -- -- -- -- -- -- --
dodgei (Gunder, 1927) *(Everes)*
immaculata (Scott, 1981) *(Everes)*
immaculata Scott, 2006 *(Cupido)*
f *albrighti* (Clench, 1944) *(Everes)* r ak yt nt nu bc ab sk mb on qc -- -- -- -- --
g *maritima* (Leblanc, 1985) *(Everes)* r -- -- -- -- -- -- -- -- qc -- -- nb -- --

subtribe Polyommatina Swainson, 1827

Hemiargus Hübner, 1818

770522 *ceraunus* (Fabricius, 1793) *(Hesperia)* XI -- -- -- -- -- -- -- -- XI -- -- -- -- -- --
NOTE: A specimen collected by BOLD researchers at the Scheck Nature Reserve in southern ON was identified via DNA barcode and is the first record of this species in Canada. This is far out of the known range (only as far north as KS and NC), and is assumed to be an unestablished introduction.

Echinargus Nabokov, 1945

770543 *isola* (Reakirt, [1867]) *(Lycaena)* S XI -- -- -- -- -- S S -- -- -- -- -- -- --
NOTE: This southwestern species rarely reaches western Canada as a stray (Layberry et al. 1998). The sole AK specimen, from Wiseman, was thought to have been brought in an aircraft (Philip & Ferris 2016), and is treated herein as an unestablished introduction. Hall et al. (2014) considered it an expected species in ON, but that is unlikely.
alce (Edwards, 1871) *(Lycaena)*
nyagora (Boisduval, 1870) *(Lycaena)*

Icaricia Nabokov, 1945

770548 *saepiolus* (Boisduval, 1852) *(Lycaena)* R AK YT NT -- BC AB SK MB ON QC LB -- NB NS --
NOTE: The subspecies *insulanus* of Vancouver Island (BC) is listed as "Endangered" by COSEWIC (2016).
a *amica* (Edwards, 1863) *(Lycaena)* r ak yt nt -- bc ab sk mb on qc lb -- nb ns --
caerulescens (Ferris, 1970) *(Plebejus)*
kodiak (Edwards, 1870) *(Lycaena)*
b *insulanus* (Blackmore, 1920) *(Plebejus)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
e *rufescens* (Boisduval, 1869) *(Lycaena)* e -- -- -- -- e -- -- -- -- -- -- -- -- --
f *aehaja* (Behr, 1867) *(Lycaena)* u -- -- -- -- u -- -- -- -- -- -- -- -- --
770550 *icarioides* (Boisduval, 1852) *(Lycaena)* R -- -- E -- BC AB SK E -- -- -- -- -- -- --
NOTE: The type locality of subspecies *pembina* was listed as "Lake Winnipeg [MB]" in the description, and was erroneously corrected to "Great Slave Lake [NT]", by Edwards (1877). These are both assumed to be incorrect; a neotype has been designated from MT.
g *pheres* (Boisduval, 1852) *(Lycaena)* e -- -- -- -- e -- -- -- -- -- -- -- -- --
j *blackmorei* (Barnes & McDunnough, 1919) *(Plebeius)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
k *montis* (Blackmore, 1923) *(Plebeius)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
t *fulla* (Edwards, 1870) *(Lycaena)* e -- -- -- -- e e -- -- -- -- -- -- -- --
ardea (Edwards, 1871) *(Lycaena)*
u *pembina* (Edwards, 1862) *(Lycaena)* r -- -- e -- bc ab sk e -- -- -- -- -- -- --
770551 *shasta* (Edwards, 1862) *(Lycaena)* R -- -- -- -- P AB SK -- -- -- -- -- -- -- --
d *minnehaha* (Scudder, 1874) *(Agriades)* r -- -- -- -- p ab sk -- -- -- -- -- -- -- --
browni (Ferris, 1970) *(Plebeius)*
770552E *acmon* (Westwood, [1851]) *(Lycaena)* E -- -- -- -- E E E -- -- -- -- -- -- -- --
NOTE: Canadian records in Layberry et al. (1998), Guppy & Shepard (2001) and others going back to Anderson (1904) refer to *P. lupini*, recently raised to species status. True *P. acmon* does not occur in Canada.
770553 *lupini* (Boisduval, 1869) *(Lycaena)* R -- YT -- -- BC AB SK -- -- -- -- -- -- -- --
b *lutzi* (Dos Passos, 1938) *(Plebeius)* r -- -- -- -- bc ab sk -- -- -- -- -- -- -- --
pseudolupini (Ferris, 1970) *(Plebeius)*
c *spangelatus* (Burdick, 1942) *(Plebeius)* e -- -- -- -- -- e e -- -- -- -- -- -- -- --

Plebejus Kluk, 1780

subgenus ***Lycaeides*** Hübner, [1819]

770544 *idas* (Linnaeus, 1761) *(Papilio)** R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical records of the Old World species *I. argyrognomon* in NA refer to this species.
argyrognomon of authors (not Bergstrasser, 1789) *(Papilio)*
b *empetri* (Freeman, 1938) *(Plebeius)* r -- -- -- -- -- -- -- -- -- u u -- nb ns pe
c *aster* (Edwards, 1882) *(Lycaena)* r -- -- -- -- -- -- -- -- -- u u nf -- -- --
d *scudderii* (Edwards, 1861) *(Lycaena)* r -- -- nt nu bc ab sk mb on qc u -- -- e --
subarcticus (Chermock, 1945) *(Plebeius)*
e *nabokovi* (Masters, 1972) *(Lycaeides)* u -- -- -- -- -- -- -- -- u -- -- -- -- -- --
f *alaskensis* (Chermock, 1945) *(Plebeius)* r ak yt -- -- bc -- -- -- -- -- -- -- -- -- --
g *ferniensis* (Chermock, 1945) *(Plebeius)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
h *atrapraetextus* (Field, 1939) *(Plebeius)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
sweadneri (Chermock, 1945) *(Plebeius)*
770545 *anna* (Edwards, 1861) *(Lycaena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
b *ricei* (Cross, 1937) *(Plebeius)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
frechini (Chermock, 1945) *(Plebeius)*

e *vancouverensis* (Guppy & Shepard, 2001) *(Lycaeides)*
r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

770546 *melissa* (Edwards, 1873) *(Lycaena)* R -- -- -- -- BC AB SK MB E E -- -- -- -- --
NOTE: Historical records from QC refer to *P. idas* (Handfield 2011). The ON record refers to *P. samuelis*, which was once considered a subspecies of *P. idas*.

a *melissa* (Edwards, 1873) *(Lycaena)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

770547.1 *samuelis* (Nabokov, 1944) *(Lycaeides)* XT -- -- -- -- -- -- -- -- XT -- -- -- -- -- --
NOTE: This species was known from a few scattered localities in southern ON, but it has been extirpated since 1988. It may be re-introduced in the future.

Agriades **Hübner, [1819]**

subgenus ***Albulina*** Tutt, 1909
Vacciniina Tutt, 1909

770555 *optilete* (Knoch, 1781) *(Papilio)** R AK YT NT NU BC AB SK MB EP -- -- -- -- -- --
NOTE: The ON record by Jones (2003) is erroneous, based on a misidentified specimen of *P. idas* (Jones 2006), but the species is expected there, in the far north.

b *yukona* (Holland, 1900) *(Lycaena)* r ak yt nt nu bc ab sk mb ep -- -- -- -- -- --

subgenus ***Agriades*** Hübner, [1819]

770556 *glandon* (de Prunner, 1798) *(Papilio)** R AK YT NT NU BC AB SK MB ON QC LB NF -- -- --
NOTE: Subspecies divisions are not settled in this species. Historically, the Old World name *A. aquilo* was used to refer to this species. Although *A. aquilo* is considered to be a valid Palaearctic name by some workers, it is currently a Palaearctic subspecies of *A. glandon*, according to Pelham (2008).

aquilo of authors (not Boisduval, 1833) *(Plebeius)*

b *labrador* Schmidt, Scott & Kondla, 2006 *(Agriades)*
r -- -- -- -- -- -- -- -- -- qc lb -- -- -- --

c *franklinii* (Curtis, 1835) *(Polyommatus)* r ak yt nt nu -- -- e mb on qc lb nf -- -- --
suttoni (Holland, 1931) *(Lycaena)*

d *lacustris* (Freeman, 1939) *(Plebeius)* r -- -- u -- e ab sk mb -- -- -- -- -- -- --
manitoba (Lamas, 2008) *(Plebejus)*

e *bryanti* (Leussler, 1935) *(Plebeius)* r ak yt nt -- -- -- -- -- -- -- -- -- -- -- --
kohlsaati (Gunder, 1932) *(Plebeius)*

f *megalo* (McDunnough, 1927) *(Plebeius)* r e e e -- bc ab e e -- -- -- -- -- -- --

g *rustica* (Edwards, 1865) *(Lycaena)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

770557E *podarce* (Felder & Felder, 1865) *(Lycaena)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Reported from BC in error by Dyar (1904) and others, this taxon is restricted to OR and CA (Layberry et al. 1998). Until recently it was considered to be a subspecies of *P. glandon*.

Polyommatus **Latreille, 1804**

770557.5 *icarus* (Rottemburg, 1775) *(Papilio)*+ R -- -- -- -- -- -- -- -- P QC -- -- -- -- --

a *icarus* (Rottemburg, 1775) *(Papilio)* r -- -- -- -- -- -- -- -- p qc -- -- -- -- --

65. Family RIODINIDAE Grote, 1895 (metalmarks)

by G.R. Pohl, B.C. Schmidt, J.D. Lafontaine, and A.D. Macaulay

The metalmarks are small to medium-sized butterflies; Nearctic species seldom have wingspans over 50 mm. Most are coloured in browns, orange, and black, and often rest with their wings spread flat or held angled at 45 degrees. Some species have metallic-coloured marks on the wings, hence the common name.

About 1530 described species of metalmarks occur worldwide, primarily in the New World tropics. There are 29 species in the Nearctic region; one species occurs in nNA.

subfamily Riodininae Grote, 1895

tribe Emesiini Stichel, 1911

***Apodemia* Felder & Felder, 1865**

770575 *mormo* (Felder & Felder, 1859) *(Lemonias)* R -- -- -- -- BC -- SK -- -- -- -- -- -- -- --
NOTE: This species is considered by COSEWIC to be "Endangered" in BC, and "Special Concern" in SK (COSEWIC 2016).
a *mormo* (Felder & Felder, 1859) *(Lemonias)* r -- -- -- -- bc -- sk -- -- -- -- -- -- -- --
dumeti (Behr, 1865) *(Nemeobius)*
mormonia (Boisduval, 1869) *(Chrysobia)*

66. Family NYMPHALIDAE Rafinesque, 1815 (brush-footed butterflies)

by G.R. Pohl, B.C. Schmidt, J.D. Lafontaine, and A.D. Macaulay

Most Nearctic nymphalids are medium-sized to large butterflies with 40 to 70 mm wingspans, and orange or brown wings with dark markings. Both sexes have forelegs reduced in length and covered in long brush-like hairs, thus the common name of the group. Many nymphalids are strong fliers, and some species are migratory and number among the most cosmopolitan of insects. The larvae commonly have branched spines; the pupae are often strongly angled and bear thorn-like projections.

The Nymphalidae contain several subfamilies that were historically treated as separate families (e.g., Danaidae, Satyridae, and Heliconiidae). It is the largest family of butterflies, with about 6150 species worldwide. The Nearctic region has about 230 species, 106 of which have been reported from nNA. One more is expected in the region.

subfamily Libytheinae Boisduval, 1833

***Libytheana* Michener, 1943**

770586 *carinenta* (Cramer, 1777) *(Papilio)* R -- -- -- -- -- -- -- -- M M -- -- S S --
e *bachmanii* (Kirtland, 1851) *(Libythea)* r -- -- -- -- -- -- -- -- m m -- -- s s --
kirtlandi (Field, 1938) *(Libythea)*

subfamily Danainae Boisduval, [1833]

tribe Danaini Boisduval, [1833]

subtribe Danaina Boisduval, [1833]

***Danaus* Kluk, 1780**

subgenus ***Danaus*** Kluk, 1780

770588 *plexippus* (Linnaeus, 1758) *(Papilio)* M S -- S -- M M M M M M -- S M M M
NOTE: This species is a true migrator that moves north into Canada each summer. It breeds in southern Canada but returns to CA and Mexico to overwinter. It has recently been upgraded from "Special Concern" to "Endangered" in Canada (COSEWIC 2017). The sole AK specimen is known from wings found in a building in Hyder (Philip & Ferris 2016).
erippus of authors (not Cramer, [no date]) *(Danais)*
menippe of authors (not Hübner, 1816) *(Danais)*
a *plexippus* (Linnaeus, 1758) *(Papilio)* m s -- s -- m m m m m m -- s m m m
alba Scott, 1981 *(Danaus)*
americanus Gunder, 1927 *(Danaus)*
archippus (Fabricius, 1793) *(Papilio)*
asclepiadis (Fabricius, 1938) *(Danais)*
curassavicae Bryk, 1937 *(Danaus)*
curassavicae (Fabricius, 1938) *(Euploea)*

fumosus (Hulst, 1886) *(Danais)*
misippiformis (Meuschen, 1781) *(Papilio)*
nivosus Gunder, 1927 *(Danaus)*
pulchra (Strecker, 1900) *(Danais)*

subfamily Heliconiinae Swainson, 1822

tribe Heliconiini Swainson, 1822

subtribe Heliconiina Swainson, 1822

Agraulis Boisduval & Le Conte, [1835]

770602 *vanillae* (Linnaeus, 1758) *(Papilio)* S -- -- -- -- -- -- -- S S -- -- -- -- -- --
NOTE: A southern stray that has been collected twice in SK (Layberry et al. 1998), and once in ON (The Lepidopterists' Society 2010).
passiflorae (Fabricius, 1793) *(Papilio)*
b *nigrior* Michener, 1942 *(Agraulis)* s -- -- -- -- -- -- -- s s -- -- -- -- -- --

tribe Argynnini Swainson, 1833

subtribe Euptoietina Simonsen, 2006

Euptoieta Doubleday, 1848

770608 *claudia* (Cramer, 1775) *(Papilio)* R -- -- -- M M M M M ON QC -- -- S S --
NOTE: This species is resident in parts of ON and QC, but is a breeding migrant in western Canada and a stray in the Maritimes.
albaclaudia Field, 1936 *(Euptoieta)*
clausius (Herbst, 1798) *(Papilio)*
daunius (Herbst, 1798) *(Papilio)*
dodgei Gunder, 1927 *(Euptoieta)*
fumosa Field, 1936 *(Euptoieta)*
mariamne Scudder, 1889 *(Euptoieta)*
thais (Doubleday, 1848) *(Papilio)*
770609 *hegesia* (Cramer, 1779) *(Papilio)* S -- -- -- -- -- -- -- S -- -- -- -- -- -- --
NOTE: This southern species is known in nNA from a single record in southern MB.
b *meridiania* Stichel, 1938 *(Euptoieta)* s -- -- -- -- -- -- -- s -- -- -- -- -- -- --
hoffmanni Comstock, 1944 *(Euptoieta)*

subtribe Boloriina Warren, Dos Passos & Grey, 1946

Boloria Moore, 1900

subgenus ***Boloria*** Moore, 1900

770610 *alaskensis* (Holland, 1900) *(Brenthis)* R AK YT NT NU BC AB -- -- -- -- -- -- -- -- --
NOTE: Historically, the Old World name *B. napaea* has been used for this species in NA. As well, the names "*Brenthis andersonii* Dyar" and "*Brenthis euphrosyne andersoni* Dyar" were used on historical BC lists by ESBC (1906) and Blackmore (1927), respectively, to refer to *B. alaskensis*. The taxon *B. andersoni* Dyar, a synonym of the Palaearctic *B. euphrosyne* (Linnaeus), was described from Old World material that was mislabelled as coming from "Kootenay, BC" (Pelham 2008). Jones (1951) used the Palaearctic name *B. pales* ([Denis & Schiffermüller]) for this species.
napaea of authors (not Hübner, [1826]) *(Argynnis)*
a *alaskensis* (Holland, 1900) *(Brenthis)* r ak yt nt nu bc ab -- -- -- -- -- -- -- -- --
nearctica Verity, 1932 *(Boloria)*
reiffi Reuss, 1925 *(Boloria)*

subgenus ***Proclossiana*** Reuss, 1926

770611 *eunomia* (Esper, 1800) *(Papilio)** R AK YT NT NU BC AB SK MB ON QC LB NF NB -- --

a	*eunomia* (Esper, 1800) *(Papilio)*	e	--	--	--	--	e	e	--	e	--	--	--	--	--	--	--			
	aphirape (Hübner, [1800]) *(Papilio)*																			
b	*triclaris* (Hübner, [1821]) *(Argynnis)*	r	--	yt	nt	nu	bc	ab	--	mb	on	qc	lb	--	--	--	--			
	lais (Scudder, 1875) *(Argynnis)*																			
c	*dawsoni* (Barnes & McDunnough, 1916) *(Brenthis)*	r	--	yt	nt	nu	bc	ab	sk	mb	on	qc	lb	nf	nb	--	--			
	harperi (Gunder, 1934) *(Brenthis)*																			
d	*nichollae* (Barnes & Benjamin, 1926) *(Brenthis)*	r	--	--	--	--	u	ab	--	--	--	--	--	--	--	--	--			
e	*denali* (Klots, 1940) *(Brenthis)*	r	ak	yt	--	--	--	--	--	--	--	--	--	--	--	--	--			

subgenus ***Clossiana*** Reuss, 1920

selene group Gorbunov, 2001

770612 *selene* ([Denis & Schiffermüller], 1775) *(Papilio)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE

NOTE: Use of the name *B. myrina* as the Nearctic species-level taxon, as advocated by Kondla & Schmidt (2010), has not been adopted by Pelham (2016). The subspecies *myrina* was used historically for northern Nearctic populations, but we consider *atrocostalis* to be the widespread northern subspecies.

b	*myrina* (Cramer, 1777) *(Papilio)**	e	e	--	--	--	e	e	e	e	e	e	e	e	e	--				
	gunderana (Forbes, 1960) *(Brenthis)*																			
	marilandica (Clark, 1941) *(Brenthis)*																			
	myrissa (Godart, [1824]) *(Argynnis)*																			
	nivea (Gunder, 1928) *(Brenthis)*																			
	nubes (Scudder, 1889) *(Brenthis)*																			
e	*tollandensis* (Barnes & Benjamin, 1925) *(Brenthis)*	e	--	--	--	--	e	--	--	--	--	--	--	--	--	--	--			
f	*albequina* (Holland, 1928) *(Brenthis)*	r	ak	yt	--	--	u	--	--	--	--	--	--	--	--	--	--			
	baxteri (Holland, 1928) *(Brenthis)*																			
g	*atrocostalis* (Huard, 1927) *(Argynnis)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	lb	--	nb	ns	pe			
	jenningsae (Holland, 1928) *(Brenthis)*																			
	serratimarginata (Gunder, 1926) *(Brenthis)*																			
h	*terraenovae* (Holland, 1928) *(Brenthis)*	r	--	--	--	--	--	--	--	--	--	--	--	nf	--	--	--			

bellona group Simonsen, Wahlberg, Warren, & Sperling, 2010

770613	*bellona* (Fabricius, 1775) *(Papilio)*	R	--	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	--	NB	--	--			
a	*bellona* (Fabricius, 1775) *(Papilio)*	r	--	--	--	--	--	--	--	--	on	qc	--	--	nb	--	--			
	ammiralis (Hemming, 1933) *(Argynnis)*																			
	fasciata (Cockerell, 1889) *(Argynnis)*																			
	kleenei (Watson, 1921) *(Brenthis)*																			
	pardopsis (Holland, 1928) *(Brenthis)*																			
b	*toddi* (Holland, 1928) *(Brenthis)*	r	--	--	--	--	bc	ab	sk	mb	on	qc	lb	--	--	--	--			
c	*jenistai* Stallings & Turner, 1947 *(Boloria)*	r	--	yt	nt	--	bc	ab	sk	mb	--	--	--	--	--	--	--			
770614	*frigga* (Thunberg, 1791) *(Papilio)**	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	--	--	--	--			
b	*saga* (Staudinger, 1861) *(Argynnis)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	lb	--	--	--	--			
c	*gibsoni* (Barnes & Benjamin, 1926) *(Brenthis)*	r	ak	yt	nt	nu	--	--	--	mb	on	qc	u	--	--	--	--			
	alaskensis (Lehmann, 1913) *(Argynnis)*																			
	kosarevi Korb, 2011 *(Boloria)*																			
	lehmanni (Holland, 1928) *(Brenthis)*																			
770615	*improba* (Butler, 1877) *(Argynnis)*	R	AK	YT	NT	NU	BC	AB	--	EP	--	P	U	--	--	--	--			

NOTE: Forbes (1960) report of this species from LB is plausible but vouchers could not be located. It is also expected in extreme northern QC. Klassen et al. (1989) could not locate any vouchers to support the MB record by Gregory (1975), so that record is deemed erroneous, but the species may occur there in the Churchill area.

a	*improba* (Butler, 1877) *(Argynnis)*	r	ak	yt	nt	nu	e	e	--	p	--	p	u	--	--	--	--			
b	*youngi* (Holland, 1900) *(Brenthis)*	r	ak	yt	--	--	bc	ab	--	--	--	--	--	--	--	--	--			
c	*nunatak* Scott, 1998 *(Boloria)*	r	--	--	--	--	u	ab	--	--	--	--	--	--	--	--	--			
770617	*epithore* (Edwards, 1864) *(Argynnis)*	R	AK	YT	--	--	BC	AB	--	--	--	--	--	--	--	--	--			

NOTE: This species was listed by Hooper (1973) as "possible" for SK, but that is not very likely.

c	*chermocki* Perkins & Perkins, 1966 *(Boloria)*	r	ak	yt	--	--	bc	ab	--	--	--	--	--	--	--	--	--	--	--	--	--
	borealis Perkins, 1973 *(Boloria)*																				
	obscuripennis (Gunder, 1926) *(Brenthis)*																				
	uslui Koçak, 1984 *(Boloria)*																				
d	*sigridae* (Shepard, 2001) *(Clossiana)*	r	--	yt	--	--	bc	--	--	--	--	--	--	--	--	--	--	--	--	--	--

polaris group Simonsen, Wahlberg, Warren, & Sperling, 2010

770618	*polaris* (Boisduval, [1828]) *(Argynnis)**	R	AK	YT	NT	NU	BC	--	--	MB	--	QC	LB	--	--	--	--	--	--	--	--
	NOTE: Listing as "probable" for SK by Hooper (1973), is not realistic for this species.																				
a	*polaris* (Boisduval, [1828]) *(Argynnis)*	r	ak	yt	nt	nu	bc	--	--	--	--	qc	lb	--	--	--	--	--	--	--	--
	americana (Strand, 1905) *(Argynnis)*																				
	gronlandica ([Skinner], 1892) *(Argynnis)*																				
	homeyeri (Pagenstecher, 1902) *(Argynnis)*																				
b	*stellata* Masters, 1972 *(Boloria)*	r	--	--	--	--	--	--	--	mb	--	--	--	--	--	--	--	--	--	--	--
770619	*alberta* (Edwards, 1890) *(Argynnis)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--	--	--
	banffensis (Gunder, 1932) *(Brenthis)*																				

tritonia group Simonsen, Wahlberg, Warren, & Sperling, 2010

770620	*astarte* (Doubleday, [1847]) *(Melitaea)*	R	AK	YT	NT	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--	--	--
	NOTE: The Old World name *B. tritonia* has been used historically in NA for this species.																				
	tritonia of authors (not Boeber, 1812) *(Argynnis)*																				
a	*astarte* (Doubleday, [1847]) *(Melitaea)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--	--	--	--	--
	victoria (Edwards, 1891) *(Argynnis)*																				
b	*distincta* (Gibson, 1920) *(Brenthis)*	r	ak	yt	nt	--	bc	--	--	--	--	--	--	--	--	--	--	--	--	--	--
c	*tschukotkensis* (Wyatt, 1961) *(Clossiana)*	r	ak	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

freija group Gorbunov, 2001

770621	*freija* (Thunberg, 1791) *(Papilio)**	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	--	--	--	--	--	--	--
a	*freija* (Thunberg, 1791) *(Papilio)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	lb	nf	--	--	--	--	--	--	--
	freya (Godart, 1819) *(Argynnis)*																				
	gunderi (Harper, 1933) *(Brenthis)*																				
b	*tarquinius* (Curtis, 1835) *(Melitaea)*	r	ak	yt	nt	nu	u	--	--	mb	on	qc	lb	--	--	--	--	--	--	--	--
770622	*natazhati* (Gibson, 1920) *(Brenthis)*	R	AK	YT	NT	NU	BC	--	--	--	E	E	--	--	--	--	--	--	--	--	--
	NOTE: Reports of this species from eastern Canada by Forbes (1960) refer to *B. freija*.																				
a	*natazhati* (Gibson, 1920) *(Brenthis)*	r	ak	yt	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
b	*nabokovi* Stallings & Turner, 1947 *(Boloria)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--	--	--	--	--
c	*bankslandia* Shepard, 1998 *(Boloria)*	r	--	--	nt	nu	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

titania group Simonsen, Wahlberg, Warren, & Sperling, 2010

770623	*chariclea* (Schneider, 1794) *(Papilio)**	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--				
	NOTE: The Old World name *B. titania* has been used historically in NA for this species. The subspecies *boisduvalii* was historically used for the widespread boreal species but we consider those populations to be subspecies *grandis*. The type material for subspecies *boisduvalii* likely included some material from LB, and some adjacent populations may be that subspecies as well. Subspecies *helena* was reported from Canada in error by the Natural History Society of Toronto (1883).																				
	titania of authors (not Esper, [1793]) *(Papilio)*																				
c	*boisduvalii* (Duponchel, [1832]) *(Argynnis)*	r	--	--	--	--	e	e	e	e	e	u	lb	u	--	--	--				
	labradorensis (Gunder, 1928) *(Brenthis)*																				
	oenone (Scudder, 1875) *(Argynnis)*																				
d	*arctica* (Zetterstedt, [1839]) *(Argynnis)*	r	--	yt	nt	nu	bc	--	--	mb	on	qc	lb	nf	--	--	--				
	obscurata (M'Lachlan, 1878) *(Argynnis)*																				
	tullia (Fabricius, 1780) *(Papilio)*																				
e	*grandis* (Barnes & McDunnough, 1916) *(Brenthis)*	r	--	yt	nt	--	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	--				
f	*butleri* (Edwards, 1883) *(Argynnis)*	r	ak	yt	--	--	bc	--	--	--	--	--	--	--	--	--	--				
g	*rainieri* (Barnes & McDunnough, 1913) *(Brenthis)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--				
i	*helena* (Edwards, 1871) *(Argynnis)*	e	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				

subtribe Argynnina Swainson, 1833

Speyeria Scudder, 1872

770625 *cybele* (Fabricius, 1775) *(Papilio)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
NOTE: Recognition of the taxon *S. leto* as a full species, as advocated by Kondla & Schmidt (2010), was not accepted by Pelham (2016).

a *cybele* (Fabricius, 1775) *(Papilio)* r -- -- -- -- -- -- -- mb on qc -- -- -- -- --
baal (Strecker, 1878) *(Argynnis)*
daphnis (Cramer, 1775) *(Papilio)*

b *novascotiae* (McDunnough, 1935) *(Argynnis)* r -- -- -- -- -- -- -- -- -- qc -- -- nb ns pe

c *krautwurmi* (Holland, 1931) *(Argynnis)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --

d *pseudocarpenteri* (Chermock & Chermock, 1940) *(Argynnis)*
r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

h *leto* (Behr, 1862) *(Argynnis)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
lethe (Gunder, 1934) *(Argynnis)*
letis (Wright, 1905) *(Argynnis)*
valesinoidesalba (Reuss, [1926]) *(Acidalia)*

770626 *aphrodite* (Fabricius, 1787) *(Papilio)* R -- -- E -- BC AB SK MB ON QC -- -- NB NS E
NOTE: The NT record by N.W.T. Energy and Natural Resources (2012) is deemed erroneous, referring instead to *S. hesperis* which occurs in NT but was not reported therein. The PE record by Layberry et al. (1998) is based on specimens that have been redetermined as *S. atlantis*.

b *aphrodite* (Fabricius, 1787) *(Papilio)* r -- -- -- -- -- -- -- e on qc -- -- -- -- --
bakeri (Clark, 1932) *(Argynnis)*
bartschi (Reiff, 1910) *(Argynnis)*
hughi (Clark & Clark, 1951) *(Argynnis)*

c *alcestis* (Edwards, [1877]) *(Argynnis)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --
suffusa (Wolcott, 1916) *(Argynnis)*

d *ethne* (Hemming, 1933) *(Argynnis)* e -- -- -- -- -- e -- e -- -- -- -- -- -- --
cypris (Edwards, 1886) *(Argynnis)*

f *columbia* (Edwards, 1877) *(Argynnis)* r -- -- -- -- bc -- -- e -- e -- -- -- -- --

g *whitehousei* (Gunder, 1932) *(Argynnis)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

h *manitoba* (Chermock & Chermock, 1940) *(Argynnis)*
r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
mayae Dos Passos & Grey, 1947 *(Speyeria)*
mayae (Gunder, 1932) *(Argynnis)*

i *winni* (Gunder, 1932) *(Argynnis)* r -- -- -- -- -- -- -- -- -- qc -- -- nb ns --

770627 *idalia* (Drury, 1773) *(Papilio)* M -- -- -- -- -- S S M M -- -- -- S -- --
NOTE: This species is an occasional migrant that breeds in southern ON and probably in MB (Layberry et al. 1998). Recent records further west in SK and AB are considered strays. Fletcher (1897) reported four specimens from NB in the NB Natural History Society collection, but their current whereabouts is unknown. This distinctive species could not be mistaken for anything else.

a *idalia* (Drury, 1773) *(Papilio)* m -- -- -- -- -- -- -- -- m -- -- -- s -- --
ashtaroth (Fisher, [1860]) *(Argynnis)*
astarte (Fisher, [1859]) *(Argynnis)*
dolli (Gunder, 1927) *(Argynnis)*
infumata (Oberthür, 1912) *(Argynnis)*

b *occidentalis* Williams, 2002 *(Speyeria)* m -- -- -- -- -- s s m -- -- -- -- -- -- --
pallida (Eisner, 1942) *(Argynnis)*

770628E *nokomis* (Edwards, 1862) *(Argynnis)* E -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: This species of the southwestern USA was reported from "Canada" by the Natural History Society of Toronto (1883), but that is erroneous; it was probably confused with records of *S. cybele*.

770629 *edwardsii* (Reakirt, 1866) *(Argynnis)* R -- -- -- -- P AB SK MB -- -- -- -- -- -- --
edonis (Gunder, 1934) *(Argynnis)*
montana (Reuss, 1927) *(Acidalia)*

770630 *coronis* (Behr, 1864) *(Argynnis)* U -- -- -- -- U EP P -- -- -- -- -- -- -- --
NOTE: This species was reported from BC by Anderson (1904) from Vernon and Osoyoos. Jones (1951) also reported it from BC, under the name *S. snyderi*, now considered to be a subspecies of *S. coronis*. Jones (1951) cited only a Vernon specimen, which cannot be located and was flagged therein as either rare or doubtful. This species is known from central WA, very close to the BC border (Guppy & Shepard 2001), so it is possible that it occurs in BC as well. Subspecies *simaetha*, described from Okanogan County (WA), would be the nearest subspecies to BC.

d *simaetha* Dos Passos, 1945 *(Speyeria)* u -- -- -- -- u -- -- -- -- -- -- -- -- -- --

e *snyderi* (Skinner, 1897) *(Argynnis)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --

f *halcyone* (Edwards, [1869]) *(Argynnis)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --

770632 *zerene* (Boisduval, 1852) *(Argynnis)* R AK -- -- -- BC AB SK -- -- -- -- -- -- -- --

a *sitka* Hammond, Harry & McCorkle, 2001 *(Speyeria)* r ak -- -- -- -- -- -- -- -- -- -- -- -- --

b *bremnerii* (Edwards, 1872) *(Argynnis)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
sordida (Wright, 1905) *(Argynnis)*

e *behrensii* (Edwards, 1869) *(Argynnis)* e -- -- -- -- e -- -- -- -- -- -- -- -- --

i *monticola* (Behr, 1863) *(Argynnis)* e -- -- -- -- -- e -- -- -- -- -- -- -- --

m *picta* (McDunnough, 1924) *(Argynnis)* r -- -- -- -- bc ab sk -- -- -- -- -- -- --
garretti (Gunder, 1932) *(Argynnis)*

n *platina* (Skinner, 1897) *(Argynnis)* e -- -- -- -- e e -- -- -- -- -- -- -- --

770633 *callippe* (Boisduval, 1852) *(Argynnis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

m *semivirida* (McDunnough, 1924) *(Argynnis)* r -- -- -- -- bc u -- -- -- -- -- -- -- -- --

n *chilcotinensis* Guppy & Shepard, 2001 *(Speyeria)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --

o *nevadensis* (Edwards, 1870) *(Argynnis)* e -- -- -- -- e e -- e -- -- -- -- -- -- --

q *calgariana* (McDunnough, 1924) *(Argynnis)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --

s *meadii* (Edwards, 1872) *(Argynnis)* e -- -- -- -- -- e -- -- -- -- -- -- -- -- --

770634 *egleis* (Behr, 1862) *(Argynnis)* S -- -- -- -- EP S P -- -- -- -- -- -- -- --

NOTE: This species is known in Canada from a single specimen collected at Whiskey Gap (AB) by N. Kondla (Pohl et al. 2010). Other specimens may be misidentified in collections. There is no evidence that a breeding colony exists. The BC record by Anderson (1904), as subspecies *oweni*, is assumed to be erroneous, although the species is expected there. It is reasonably common in the USA south of SK and BC. This species was grouped with *S. zerene* in the treatment by Layberry et al. (1998).

c *oweni* (Edwards, 1892) *(Argynnis)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --

l *macdunnoughi* (Gunder, 1932) *(Argynnis)* p -- -- -- -- p -- -- -- -- -- -- -- -- -- --

m *albrighti* (Gunder, 1932) *(Argynnis)* s -- -- -- -- -- s p -- -- -- -- -- -- -- --

770636 *atlantis* (Edwards, 1862) *(Argynnis)* R U YT NT -- BC AB SK MB ON QC LB NF NB NS PE

NOTE: Populations in central AK were placed by Philip & Ferris (2016) into an unresolved complex containing *S. atlantis* and/or *S. hesperis*.

a *atlantis* (Edwards, 1862) *(Argynnis)* r -- -- -- -- -- -- -- u u u -- -- nb ns pe
chemo (Scudder, 1889) *(Argynnis)*

b *canadensis* (Dos Passos, 1935) *(Argynnis)* r -- -- -- -- -- -- -- mb on qc lb nf -- -- --

c *hollandi* (Chermock & Chermock, 1940) *(Argynnis)* r u yt nt -- bc ab sk mb -- -- -- -- -- -- --

770637 *hesperis* (Edwards, 1864) *(Argynnis)* R U YT NT -- BC AB SK MB -- -- -- -- -- -- --

NOTE: Populations in central AK were placed by Philip & Ferris (2016) into an unresolved complex containing *S. atlantis* and/or *S. hesperis*.

g *chitone* (Edwards, 1879) *(Argynnis)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --

l *brico* Kondla, Scott & Spomer, 1998 *(Speyeria)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

m *beani* (Barnes & Benjamin, 1926) *(Dryas)* r u u nt -- bc ab sk mb -- -- -- -- -- -- --

n *dennisi* Dos Passos & Grey, 1945 *(Speyeria)* r -- -- -- -- u ab sk mb -- -- -- -- -- -- --
dennisi (Gunder, 1927) *(Argynnis)*
helena Dos Passos & Grey, 1957 *(Speyeria)*
lais (Edwards, [1884]) *(Argynnis)*

r *electa* (Edwards, 1878) *(Argynnis)* e -- -- -- -- e e -- e -- -- -- -- -- -- --

770638 *hydaspe* (Boisduval, 1869) *(Argynnis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

e *rhodope* (Edwards, 1874) *(Argynnis)* r -- -- -- -- bc ab sk -- -- -- -- -- -- -- --
conquista Dos Passos & Grey, 1945 *(Speyeria)*
sakuntala (Skinner, 1911) *(Argynnis)*
skinneri (Holland, 1931) *(Argynnis)*

f *minor* Dos Passos & Grey, 1947 *(Speyeria)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
gregsoni (Gunder, 1932) *(Argynnis)*
minor (McDunnough, 1927) *(Argynnis)*

770639 *mormonia* (Boisduval, 1869) *(Argynnis)* R AK YT NT -- BC AB SK MB -- -- -- -- -- -- --

a *bischoffii* (Edwards, 1870) *(Argynnis)* r ak yt -- -- bc e -- -- -- -- -- -- -- -- --

b *opis* (Edwards, 1874) *(Argynnis)* r -- yt nt -- bc ab -- -- -- -- -- -- -- -- --
jesmondensis Dos Passos & Grey, 1947 *(Speyeria)*
jesmondensis (McDunnough, 1940) *(Argynnis)*

c *washingtonia* (Barnes & McDunnough, 1913) *(Argynnis)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --

d *erinna* (Edwards, 1883) *(Argynnis)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
cunninghami (Owen, 1893) *(Argynnis)*

f *eurynome* (Edwards, 1872) *(Argynnis)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
benjamini (Gunder, 1927) *(Argynnis)*
brucei (Gunder, 1927) *(Argynnis)*
clio (Edwards, 1874) *(Argynnis)*
eris (Igel, 1922) *(Argynnis)*
fieldi Dos Passos & Grey, 1947 *(Speyeria)*
gunderi (Field, 1936) *(Argynnis)*
igeli Dos Passos & Grey, 1947 *(Speyeria)*

subfamily Limenitidinae Behr, 1864

tribe Limenitidini Behr, 1864

subtribe Limenitidina Behr, 1864

***Limenitis* [Fabricius], 1807**
Basilarchia Scudder, 1872

770593 *arthemis* (Drury, 1773) *(Papilio)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *rubrofasciata* (Barnes & McDunnough, 1916) *(Basilarchia)* r ak yt nt -- bc ab sk mb -- e e -- -- e e
b *arthemis* (Drury, 1773) *(Papilio)* r -- -- -- -- -- -- -- mb on qc lb nf nb ns pe
albofasciata Newcomb, 1907 *(Limenitis)*
benjamini (Nakahara, 1924) *(Basilarchia)*
cerulea Ehrmann, 1900 *(Limenitis)*
lamina (Fabricius, 1793) *(Papilio)*
proserpina Edwards, 1865 *(Limenitis)*
rufescens Cockerell, 1889 *(Limenitis)*
virithemis (Field, 1936) *(Basilarchia)*
c *astyanax* (Fabricius, 1775) *(Papilio)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --
atlantis (Nakahara, 1923) *(Basilarchia)*
ephestiaena (Hübner, [1819]) *(Papilio)*
ephestion (Stoll, 1790) *(Papilio)*
inornata (Nakahara, 1924) *(Basilarchia)*
purpuratus (Gunder, 1934) *(Basilarchia)*
tildeni (Field, 1934) *(Basilarchia)*
ursula (Fabricius, 1793) *(Papilio)*
viridis Strecker, 1878 *(Limenitis)*

770594 *weidemeyerii* Edwards, 1861 *(Limenitis)* R -- -- -- -- -- AB P -- S -- -- -- -- -- --
NOTE: This species is listed as "Special Concern" in Canada by COSEWIC (2016). A specimen from Rainy River in extreme northwestern ON (in CNC) is considered a stray from the western Great Plains of USA.
b *oberfoelli* Brown, 1960 *(Limenitis)* r -- -- -- -- -- ab p -- s -- -- -- -- -- --

770595 *lorquini* Boisduval, 1852 *(Limenitis)* R -- -- -- -- BC AB S -- -- -- -- -- -- -- --
NOTE: The SK record from the Cypress Hills is considered a stray herein.
c *lorquini* Boisduval, 1852 *(Limenitis)* u -- -- -- -- u -- -- -- -- -- -- -- -- -- --
eavesii Edwards, 1877 *(Limenitis)*
fridayi (Gunder, 1932) *(Basilarchia)*
gunderi (Field, 1936) *(Basilarchia)*
d *ilgae* Guppy, 2001 *(Limenitis)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
maynardi (Field, 1936) *(Basilarchia)*
e *burrisonii* Maynard, 1891 *(Limenitis)* r -- -- -- -- bc ab s -- -- -- -- -- -- -- --
burrisoni of authors, [no date] *(Limenitis)*
itelkae Guppy, 2001 *(Limenitis)*

770596 *archippus* (Cramer, 1775) *(Papilio)* R -- -- NT -- XT AB SK MB ON QC -- -- NB NS PE
NOTE: This species has been extirpated from BC, apparently by pesticide spraying to control Codling Moths (*Cydia pomonella*: Tortricidae). The last report of *L. archippus* in BC was from Lillooet in 1930 (Guppy and Shepard 2001).
c *archippus* (Cramer, 1775) *(Papilio)* r -- -- nt -- e ab sk mb on qc -- -- nb ns pe
advena Ellsworth, 1918 *(Limenitis)*
arthechippus (Scudder, 1888) *(Basilarchia)*

cayuga (Nakahara, 1923) *(Basilarchia)*
disippe (Godart, [1824]) *(Nymphalis)*
dissipus (Boisduval & Le Conte, 1834) *(Nymphalis)*
lanthanis (Cook & Watson, 1909) *(Basilarchia)*
nivosus (Gunder, 1929) *(Basilarchia)*
pseudodorippus Strecker, 1878 *(Limenitis)*
rubidus Strecker, 1878 *(Limenitis)*
rubrofasechippus (Gunder, 1934) *(Basilarchia)*
weidechippus (Cross, 1936) *(Basilarchia)*

d *idaho* Austin, 1998 *(Limenitis)* xt -- -- -- -- xt -- -- -- -- -- -- -- -- --

subfamily Apaturinae Boisduval, 1840

Asterocampa Röber, 1916

770640 *celtis* (Boisduval & Le Conte, [1835]) *(Apatura)* R -- -- -- -- -- -- -- S ON QC -- -- -- U --
NOTE: This species is a resident in Canada only where its host hackberry (*Celtis* spp.) grows, in southern ON and QC. The NS record by McGugan (1958) could not be verified.

a *celtis* (Boisduval & Le Conte, [1835]) *(Apatura)* r -- -- -- -- -- -- -- s on qc -- -- -- u --
alb (Strecker, 1878) *(Apatura)*
alicia (Edwards, 1868) *(Apatura)*
inornata (Wolcott, 1916) *(Chlorippe)*
lycaon (Fabricius, 1793) *(Papilio)*

770642 *clyton* (Boisduval & Le Conte, [1835]) *(Apatura)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

a *clyton* (Boisduval & Le Conte, [1835]) *(Apatura)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
apunctus (Scott, 1981) *(Apatura)*
geneumbrosa (Scott, 1986) *(Apatura)*
nig (Strecker, 1878) *(Apatura)*
ocellata (Edwards, 1876) *(Apatura)*
proserpina (Scudder, 1868) *(Apatura)*

subfamily Nymphalinae Rafinesque, 1815

tribe Nymphalini Rafinesque, 1815

Vanessa [Fabricius], 1807
Cynthia [Fabricius], 1807

770672 *virginiensis* (Drury, 1773) *(Papilio)* M -- -- -- -- M M M M M M M M M M M
NOTE: This species may be capable of overwintering in southern Canada.
ahwashtee Fox, 1921 *(Vanessa)*
fulvia (Dodge, 1900) *(Pyrameis)*
gnaphalii (Fabricius, 1938) *(Cynthia)*
huntera (Fabricius, 1775) *(Papilio)*
iole (Cramer, 1775) *(Papilio)*
massachusettensis Gunder, 1925 *(Vanessa)*
simmsi (Gunder, 1927) *(Cynthia)*

770673 *cardui* (Linnaeus, 1758) *(Papilio)** M M M M M M M M M M M M M M M M
NOTE: This species may be capable of overwintering in southern Canada.
ate (Strecker, 1878) *(Pyrameis)*
carduelis (Seba, 1765) *(Papilio)*
jacksoni (Clark, 1932) *(Cynthia)*
minor (Cockerell, 1890) *(Pyrameis)*

770674 *annabella* (Field, 1971) *(Cynthia)* M -- -- -- -- M M M P -- -- -- -- -- -- --
NOTE: This species regularly migrates and breeds in southern Canada, but it cannot overwinter there. Historical reports of the Palaearctic species *V. caryae* in BC and AB refer to *V. annabella*.
caryae of authors not Hübner, 1812 *(Vanessa)*

intermedia Grinnell, 1918 *(Vanessa)*
letcheri Grinnell, 1918 *(Vanessa)*
muelleri (Letcher, 1898) *(Pyrameis)*
nivosa (Gunder, 1927) *(Cynthia)*
schraderi (Gunder, 1929) *(Cynthia)*

770675 *atalanta* (Linnaeus, 1758) *(Papilio)** M M M M -- M M M M M M M M M M M
NOTE: This species can occasionally overwinter successfully in southern Canada (Layberry et al. 1998).

b *rubria* (Fruhstorfer, 1909) *(Pyrameis)* m m m m -- m m m m m m m m m m m
edwardsi Grinnell, 1918 *(Vanessa)*

Aglais Dalman, 1816

Inachis Hübner, [1819]

770677 *milberti* (Godart, 1819) *(Vanessa)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE

a *viola* Dos Passos, 1938 *(Aglais)* r -- -- -- -- -- -- -- -- -- qc lb nf -- -- --

b *milberti* (Godart, 1819) *(Vanessa)* r u u nt -- u ab sk mb on qc -- -- nb ns pe
furcillata (Say, 1825) *(Vanessa)*
rothkei Gunder, 1927 *(Aglais)*

c *subpallida* (Cockerell, 1889) *(Vanessa)* u u u -- -- u -- -- -- -- -- -- -- -- -- --

770677.1 *io* (Linnaeus, 1758) *(Papilio)*+ R -- -- -- -- -- -- -- -- XI QC -- -- -- XI --
NOTE: A colony of this European species was introduced in the Montreal (QC) area about 1997 (Handfield 2011), and has persisted at least up to 2015. Other records from Harriston (ON) and Halifax (NS) are assumed to have been unestablished introductions.

770677.2E *urticae* (Linnaeus, 1758) *(Papilio)* IC -- -- -- -- -- -- -- -- -- -- -- -- -- IC --
NOTE: A specimen found in Halifax is an interception from a European package (Layberry et al. 1998). This species has never been established in NA (Karsholt et al. 2015).

Nymphalis Kluk, 1780

Roddia Korshunov, 1995

770678 *l*-album (Esper, 1781) *(Papilio)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Recognition of the taxon *j-album* as the valid species name in NA, proposed by Kondla & Schmidt (2010) has not been widely accepted. The name *vaualbum* has been widely used in NA but it was treated as an Old World synonym of the nominal subspecies by Pelham (2008).

a *l-album* (Esper, 1781) *(Papilio)* e -- e e -- e e e e e e e e e e e
vaualbum ([Denis & Schiffermüller], 1775) *(Papilio)*

b *j-album* (Boisduval & Le Conte, [1835]) *(Vanessa)*
r ak yt nt -- bc ab sk mb on qc lb nf nb ns pe
aureomarginata (Cockerell, 1889) *(Grapta)*
pocahontas (Scudder, 1889) *(Eugonia)*

c *watsoni* (Hall, 1924) *(Vanessa)* r ak yt nt -- bc ab sk -- -- -- -- -- -- -- --

770679 *californica* (Boisduval, 1852) *(Vanessa)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- -- --

a *californica* (Boisduval, 1852) *(Vanessa)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- -- --
herri Field, 1936 *(Nymphalis)*
polychloros of authors (not Linnaeus, [no date]) *(Aglais)*

770680 *antiopa* (Linnaeus, 1758) *(Papilio)** R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE

a *antiopa* (Linnaeus, 1758) *(Papilio)* r ak yt nt nu bc ab sk mb on qc lb nf nb ns pe
betulae (Fabricius, 1938) *(Vanessa)*
bibla (Fabricius, 1938) *(Vanessa)*
grandis (Ehrmann, 1900) *(Vanessa)*
hippolyta (Lyman, 1898) *(Vanessa)*
hygiaea (Heydenreich, 1851) *(Vanessa)*
hyperborea (Seitz, 1913) *(Vanessa)*
lintnerii (Fitch, 1857) *(Vanessa)*
morio (Retzius, 1783) *(Papilio)*
obscura (Cockerell, 1890) *(Vanessa)*
pompadour (Pollich, 1781) *(Papilio)*
thomsonii (Butler, 1887) *(Vanessa)*

***Polygonia* Hübner, [1819]**

Grapta Kirby, 1837

770681 *interrogationis* (Fabricius, 1798) *(Papilio)* M -- -- -- -- -- S S M M M S S M M M

NOTE: This species regularly migrates into southern Canada. Evidence of breeding has not been found as yet in AB, SK, LB, or NF.

crameri (Scudder, 1870) *(Grapta)*
fabricii (Edwards, 1870) *(Grapta)*
tiliae (Fabricius, 1938) *(Cynthia)*
umbrosa (Lintner, 1869) *(Grapta)*

770682 *comma* (Harris, 1841) *(Vanessa)* R -- -- -- -- -- -- SK MB ON QC -- NF NB NS S

NOTE: The PE record, reported by the Maritimes Butterfly Atlas (2016), was treated therein as likely a stray.

dryas (Edwards, 1870) *(Grapta)*
harrisii (Edwards, 1873) *(Grapta)*
umbrosa Scott, 1984 *(Polygonia)*

770683 *satyrus* (Edwards, 1869) *(Grapta)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE

NOTE: The varietal name *marsyas* (Edwards) has been used in historical BC and AB lists, but that name is a synonym of the Palaearctic *P. c-album* (Linnaeus). it was described from mislabelled Old World material that was attributed to NA (Pelham 2008).

a *satyrus* (Edwards, 1869) *(Grapta)* r ak yt nt -- bc ab sk mb on qc -- nf nb ns pe
chrysoptera (Wright, 1905) *(Grapta)*
hollandi Gunder, 1927 *(Polygonia)*

b *neomarsyas* Dos Passos, 1969 *(Polygonia)* u -- -- -- -- u -- -- -- on qc -- -- -- -- --
transcanada Scott & Kondla, 2006 *(Polygonia)*

770684 *progne* (Cramer, 1775) *(Papilio)* R -- YT NT -- BC AB SK MB ON QC -- NF NB NS PE
c-argenteum (Kirby, 1837) *(Grapta)*
l-argenteum Scudder, 1875 *(Polygonia)*
martineae Coleman, 1919 *(Polygonia)*
umbrosa Scott, 1984 *(Polygonia)*

770685 *oreas* (Edwards, 1869) *(Grapta)* R -- U -- -- BC AB -- -- -- -- -- -- -- -- --

NOTE: The sole YT specimen is of uncertain origin (Layberry et al. 1998).

b *silenus* (Edwards, 1870) *(Grapta)* r -- u -- -- bc e -- -- -- -- -- -- -- -- --

c *threatfuli* Guppy & Shepard, 2001 *(Polygonia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

770686 *gracilis* (Grote & Robinson, 1867) *(Grapta)* R AK YT NT NU BC AB SK MB ON QC LB E NB NS --

NOTE: The NF record by Forbes (1960) could not be verified and is assumed to be erroneous.

a *gracilis* (Grote & Robinson, 1867) *(Grapta)* r ak yt nt nu bc ab sk mb on qc lb -- nb ns --

b *zephyrus* (Edwards, 1870) *(Grapta)* r -- -- -- -- bc ab sk u -- -- -- -- -- -- --
thiodamas Scudder, 1875 *(Polygonia)*

770687 *faunus* (Edwards, 1862) *(Grapta)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE

b *faunus* (Edwards, 1862) *(Grapta)* r -- -- -- -- -- e -- mb on qc lb nf nb ns pe
virescens Scudder, 1875 *(Polygonia)*

c *arcticus* Leussler, 1935 *(Polygonia)* r ak yt nt -- -- u -- -- -- -- -- -- -- -- --
cenveray Scott & Kondla, 2006 *(Polygonia)*

d *rusticus* (Edwards, 1874) *(Grapta)* r e e e -- bc u e -- -- -- -- -- -- -- --
silvius (Edwards, 1874) *(Grapta)*

f *hylas* (Edwards, 1872) *(Grapta)* r -- -- -- -- bc ab sk -- -- -- -- -- -- -- --
orpheus Cross, 1936 *(Polygonia)*
silvius Scott, 1984 *(Polygonia)*

tribe Junoniini Reuter, 1896

***Junonia* Hübner, [1819]**

770693 *coenia* Hübner, [1822] *(Junonia)* M -- -- -- -- -- -- U M M M -- -- M M --

NOTE: The SK record in the RSM is a wing found in southwestern SK and given to R. Hooper, that may have originated in SK.

a *coenia* Hübner, [1822] *(Junonia)* m -- -- -- -- -- -- u m m m -- -- m m --
antirrhini (Fabricius, 1938) *(Cynthia)*
bergi Avinoff, 1926 *(Junonia)*
quinatzin (Arias, 1968) *(Papilio)*
rosa (Whittaker & Stallings, 1944) *(Precis)*
rubrosuffusa (Field, 1936) *(Precis)*
weidenhammeri Polacek, 1925 *(Junonia)*

770694E *evarete* (Cramer, 1779) *(Papilio)* E -- -- -- -- -- -- -- E E -- -- -- -- E --
NOTE: Old Canadian records by Forbes (1960) and others as "*Precis lavinia coenia*", refer to *J. coena*, now treated as a full species.
lavinia (Cramer, 1775) *(Papilio)*

tribe Melitaeini Newman, [1870]

subtribe Euphydryina Higgins, 1976

Euphydryas Scudder, 1872

subgenus ***Hypodryas*** Higgins, 1978

770697 *gillettii* (Barnes, 1897) *(Melitaea)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
glacialis (Skinner, 1921) *(Melitaea)*
herri Gunder, 1929 *(Euphydryas)*

subgenus ***Euphydryas*** Scudder, 1872
Occidryas Higgins, 1978

770698 *editha* (Boisduval, 1852) *(Melitaea)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
NOTE: The subspecies *taylori* is listed as "Endangered" in Canada by COSEWIC (2016).
a *taylori* (Edwards, 1888) *(Melitaea)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
barnesi Gunder, 1928 *(Euphydryas)*
victoriae Gunder, 1926 *(Euphydryas)*
g *nubigena* (Behr, 1863) *(Melitaea)* e -- -- -- -- e e -- -- -- -- -- -- -- --
k *colonia* (Wright, 1905) *(Melitaea)* e -- -- -- -- e e -- -- -- -- -- -- -- --
m *baroni* (Edwards, 1879) *(Melitaea)* e -- -- -- -- e -- -- -- -- -- -- -- -- --
y *hutchinsi* McDunnough, 1928 *(Euphydryas)* r -- -- -- -- -- ab sk -- -- -- -- -- -- --
z *beani* (Skinner, 1897) *(Melitaea)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --
blackmorei Gunder, 1926 *(Euphydryas)*
770699 *phaeton* (Drury, 1773) *(Papilio)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
a *phaeton* (Drury, 1773) *(Papilio)* r -- -- -- -- -- -- -- mb on qc -- -- nb ns pe
borealis Chermock & Chermock, 1940 *(Euphydryas)*
magnifica (Clark, 1927) *(Melitaea)*
phaetaena (Hübner, [1819]) *(Melitaea)*
phaethusa (Hulst, 1881) *(Melitaea)*
schausi (Clark, 1927) *(Melitaea)*
streckeri (Ellsworth, 1902) *(Melitaea)*
superba (Strecker, 1878) *(Melitaea)*
770700E *chalcedona* (Doubleday, 1847) *(Melitaea)* E E E -- -- E E E E -- -- -- -- -- -- --
NOTE: Historical records of this species in Canada refer to other *Euphydryas* taxa. Far western populations in BC and YT are now placed in *E. colon*, as subspecies *paradoxa*. Most other populations are now considered to be *E. anicia*, long considered a subspecies of *E. chalcedona* but treated as distinct by Pelham (2008) following Emmel & Harris (1998). Layberry et al. (1998) and Guppy & Shepard (2001) treat this species under the name *E. chalcedona*. Anderson (1904) listed this species under the names "*Lemonias macglashanii* (Rivers)" and "*L. cooperi* (Behr)", now treated respectively as a subspecies and a synonym of *E. chalcedona*.
g *macglashanii* (Rivers, 1888) *(Melitaea)*
j *chalcedona* (Doubleday, 1847) *(Melitaea)*
cooperi (Behr, 1863) *(Melitaea)*
770701 *colon* (Edwards, 1881) *(Melitaea)* R -- YT -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Erroneous AB record by Bowman (1921b), corrected by Bowman (1924). Western Canadian populations (subspecies *paradoxa*) have been treated by many as a subspecies of *E. chalcedona*.
b *colon* (Edwards, 1881) *(Melitaea)* e -- -- -- -- e -- -- -- -- -- -- -- -- --
perdiccas (Edwards, 1881) *(Melitaea)*
f *paradoxa* McDunnough, 1927 *(Euphydryas)* r -- yt -- -- bc -- -- -- -- -- -- -- -- --
nigrisupernipennis Gunder, 1926 *(Euphydryas)*
770702 *anicia* (Doubleday, 1847) *(Melitaea)* R AK YT -- -- BC AB SK MB -- -- -- -- -- -- --
NOTE: This species is known in MB only from two specimens collected at Riding Mountain National Park. Subspecies of *anicia*, *colon*, and *chalcedona* have complex relationships that have not been entirely worked out. The taxon *howlandi* was used by Pyle (2002) for populations along the southeastern border of BC, but it was not recognized in recent Canadian works (Layberry et al. 1998; Guppy & Shepard 2001). The taxon *bernadetta* was listed as a valid species in Pohl et al. (2010) because three *Euphydryas* taxa (*anicia*, *bernadetta*, and *editha*) occur sympatrically in the Cypress Hills (AB/SK). It is here listed as a subspecies of *E. anicia* following Pelham (2016).

a	*helvia* (Scudder, 1869) *(Melitaea)*	r	ak	yt	--	--	p	--	--	--	--	--	--	--	--	--	--	--	
b	*anicia* (Doubleday, 1847) *(Melitaea)*	r	--	--	--	--	bc	ab	sk	mb	--	--	--	--	--	--	--	--	
	mayi Gunder, 1932 *(Euphydryas)*																		
c	*howlandi* Stallings & Turner, 1947 *(Euphydryas)*																		
		u	--	--	--	--	u	--	--	--	--	--	--	--	--	--	--	--	
d	*hopfingeri* Gunder, 1934 *(Euphydryas)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--	--	
	andersoni Gunder, 1934 *(Euphydryas)*																		
r	*capella* (Barnes, 1897) *(Melitaea)*	e	--	--	--	--	--	e	--	--	--	--	--	--	--	--	--	--	
	oslari Gunder, 1925 *(Euphydryas)*																		
s	*bernadetta* Leussler, 1920 *(Euphydryas)*	r	--	--	--	--	--	ab	sk	--	--	--	--	--	--	--	--	--	
	belli Gunder, 1929 *(Euphydryas)*																		
	leussleri Gunder, 1927 *(Euphydryas)*																		
	rorina Scott & Fisher, 2008 *(Euphydryas)*																		

Melitaeini (unnamed subtribe)

Chlosyne Butler, 1870

Charidryas Scudder, 1872

770714E	*leanira* (Felder & Felder, 1860) *(Melitaea)*	E	--	--	--	--	E	--	--	--	--	--	--	--	--	--	--	--	
	NOTE: The BC record by Anderson (1904) is erroneous.																		
770715	*nycteis* (Doubleday, 1847) *(Melitaea)*	R	--	--	--	--	--	E	SK	MB	ON	QC	--	--	NB	NS	--		
	NOTE: The AB records by Dod (1908) and Bowman (1919) are erroneous.																		
b	*nycteis* (Doubleday, 1847) *(Melitaea)*	r	--	--	--	--	--	--	--	mb	on	qc	--	--	nb	ns	--		
	greyi (Field, 1934) *(Phyciodes)*																		
	lacteus (Gunder, 1928) *(Phyciodes)*																		
	millburni (Rummel, 1926) *(Phyciodes)*																		
	oenone (Scudder, 1863) *(Melitaea)*																		
c	*reversa* (Chermock & Chermock, 1940) *(Melitaea)*	r	--	--	--	--	--	--	sk	mb	e	--	--	--	--	--	--		
770716	*gorgone* (Hübner, [1810]) *(Dryas)*	R	--	--	--	--	P	AB	SK	MB	ON	QC	--	--	--	E	--		
	NOTE: The NS record by Perrin & Russell (1912), as "*Charidryas ismeria*", a synonym, is assumed to refer to *C. nycteis*. The latter was not listed by Perrin & Russell therein.																		
b	*carlota* (Reakirt, 1866) *(Phyciodes)*	r	--	--	--	--	p	ab	sk	mb	on	qc	--	--	--	--	--		
	carlotta of authors, [no date] *(Chlosyne)*																		
	ismeria (Boisduval & Le Conte, [1835]) *(Melitaea)*																		
	nigra (Cary, 1901) *(Phyciodes)*																		
770719	*harrisii* (Scudder, 1863) *(Phyciodes)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	U	NB	NS	PE		
	NOTE: The NF records of Krogerus (1954) and Morris (1980) could not be verified, but the species may well occur there.																		
a	*harrisii* (Scudder, 1863) *(Phyciodes)*	r	--	--	--	--	--	--	--	mb	on	qc	--	--	--	--	--		
b	*albimontana* (Avinoff, 1930) *(Melitaea)*	r	--	--	--	--	--	--	--	--	--	qc	--	u	nb	ns	pe		
d	*hanhami* (Fletcher, 1903) *(Phyciodes)*	r	--	--	--	--	--	--	sk	mb	--	--	--	--	--	--	--		
770720	*hoffmanni* (Behr, 1863) *(Melitaea)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--		
c	*manchada* (Bauer, 1960) *(Charidryas)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--		
770721E	*whitneyi* (Behr, 1863) *(Melitaea)*	E	--	--	--	--	E	E	--	--	--	--	--	--	--	--	--		
	NOTE: Reported in BC by Guppy & Shepard (2001) and others as "*C. whitneyi damoetas*", now considered to be a separate species. The record from AB by Bowman (1951), as a subspecies of *C. palla*, is also incorrect. True *C. whitneyi* does not occur in Canada.																		
770722	*acastus* (Edwards, 1874) *(Melitaea)*	R	--	--	--	--	E	AB	SK	--	--	--	--	--	--	--	--		
	NOTE: Layberry et al. (1998) reported "*C. palla sterope*" from the southern Okanagan of BC, but those populations refer to *C. palla*, subspecies *calydon*.																		
c	*acastus* (Edwards, 1874) *(Melitaea)*	r	--	--	--	--	--	ab	sk	--	--	--	--	--	--	--	--		
i	*sterope* (Edwards, 1870) *(Melitaea)*	e	--	--	--	--	e	--	--	--	--	--	--	--	--	--	--		
770724	*palla* (Boisduval, 1852) *(Melitaea)*	R	--	--	--	--	BC	AB	E	--	--	--	--	--	--	--	--		
	NOTE: The SK record by Hooper (1973) is incorrect, those populatons are *C. acastus*.																		
b	*blackmorei* Pelham, 2008 *(Chlosyne)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--		
	blackmorei (Gunder, 1926) *(Melitaea)*																		
g	*calydon* (Holland, 1931) *(Melitaea)*	r	--	--	--	--	bc	ab	e	--	--	--	--	--	--	--	--		
770725	*damoetas* (Skinner, 1902) *(Melitaea)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--		
a	*damoetas* (Skinner, 1902) *(Melitaea)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--		
c	*altalus* Scott, 1998 *(Chlosyne)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--		
	damoetella (McDunnough, 1927) *(Melitaea)*																		

subtribe Phyciodina Higgins, 1981

Phyciodes Hübner, [1819]

770738 *pallida* (Edwards, 1864) *(Melitaea)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --
b *barnesi* Skinner, 1897 *(Phyciodes)* r -- -- -- -- bc p -- -- -- -- -- -- -- -- --

770739 *mylitta* (Edwards, 1861) *(Melitaea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *mylitta* (Edwards, 1861) *(Melitaea)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
collina (Behr, 1863) *(Melitaea)*
collinsi Gunder, 1930 *(Phyciodes)*
epula (Boisduval, 1869) *(Melitaea)*
macyi Fender, 1930 *(Phyciodes)*

770741 *tharos* (Drury, 1773) *(Papilio)* R -- E E -- E AB SK MB ON QC -- E E E --
NOTE: This species has recently been recognized as distinct from *P. cocyta*, and older records may refer to the latter. Guppy & Shepard (2001) continue to treat *P. cocyta* as a subspecies of *P. tharos*, and their BC, YT, and NT records of *P. tharos* refer to what we consider to be *P. cocyta*. Similarly, records of *P. tharos* from eastern QC and the maritimes refer to *P. cocyta*. *Phyciodes tharos* is known from the prairie provinces, and southern ON as far north and east as Ottawa, with a few records from the Aylmer area of extreme southwestern QC (Layberry et al. 1998). The status of subspecies *orantain* is uncertain.
a *tharos* (Drury, 1773) *(Papilio)* r -- -- -- -- -- ab sk mb on qc -- -- -- -- --
distincta Bauer, 1975 *(Phyciodes)*
euclea (Bergsträsser, [1780]) *(Papilio)*
packardii Saunders, 1868 *(Phyciodes)*
tharossa (Godart, 1819) *(Argynnis)*
b *orantain* Scott, 1998 *(Phyciodes)* u -- -- -- -- -- u -- -- -- -- -- -- -- -- --

770742 *cocyta* (Cramer, 1777) *(Papilio)* R -- YT NT -- BC AB SK MB ON QC U NF NB NS PE
NOTE: The Handfield (2011) LB record is of uncertain identification. The status of subspecies *selenis* is uncertain.
a *cocyta* (Cramer, 1777) *(Papilio)* r -- yt nt -- bc ab sk mb on qc u nf nb ns pe
arctica Dos Passos, 1935 *(Phyciodes)*
morpheus (Fabricius, 1775) *(Papilio)*
b *selenis* (Kirby, 1837) *(Melitaea)* r -- -- -- -- u u sk mb -- -- -- -- -- -- --
dyari Gunder, 1928 *(Phyciodes)*
herse Hall, 1924 *(Phyciodes)*
marcia (Edwards, 1868) *(Melitaea)*
mcdunnoughi Gunder, 1928 *(Phyciodes)*
nigrescens Hall, 1924 *(Phyciodes)*
reaghi Reiff, 1913 *(Phyciodes)*
e *pascoensis* Wright, 1905 *(Phyciodes)* r -- -- -- -- bc u e -- e -- -- -- -- -- --

770743 *batesii* (Reakirt, [1866]) *(Eresia)* R -- -- NT -- BC AB SK MB ON QC U -- -- -- --
NOTE: The Handfield (2011) LB record is of uncertain identification. The status of subspecies *saskatchewan* is uncertain.
c *lakota* Scott, 1994 *(Phyciodes)* r -- -- nt -- bc ab sk mb -- -- -- -- -- -- --
d *saskatchewan* Scott, 2006 *(Phyciodes)* r -- -- -- -- -- ab -- -- -- -- -- -- -- -- --
harperi Gunder, 1932 *(Phyciodes)*
e *batesii* (Reakirt, [1866]) *(Eresia)* r -- -- -- -- -- -- -- -- on qc u -- -- -- --

770744 *pulchella* (Boisduval, 1852) *(Melitaea)* R AK YT NT -- BC AB E E -- -- -- -- -- -- --
NOTE: The validity of this name versus *P. pratensis* was disputed by Layberry et al. (1998), and the matter has not been satisfactorily resolved. We follow Pelham (2008) herein. Historical reports of this species from MB were corrected to *P. cocyta* by Klassen et al. (1989). This species was reported from SK by Hooper (1973) and Layberry et al. (1998) but the latter contradictingly reports that the SK records are based on misidentified *P. batesii* specimens. The nominate subspecies, described from CA, does not apply to more northerly populations (Kondla & Guppy 2002).
b *owimba* Scott, 1998 *(Phyciodes)* r ak yt nt -- bc ab -- -- -- -- -- -- -- -- --
c *pulchella* (Boisduval, 1852) *(Melitaea)* e e e e -- e e e e -- -- -- -- -- -- --
campestris (Behr, 1863) *(Melitaea)*
pratensis (Behr, 1863) *(Melitaea)*
i *camillus* Edwards, 1871 *(Phyciodes)* r -- -- -- -- -- ab e -- -- -- -- -- -- -- --
emissa Edwards, 1871 *(Phyciodes)*
rohweri Cockerell, 1913 *(Phyciodes)*
tristis Cockerell, 1913 *(Phyciodes)*

subfamily Satyrinae Boisduval, [1833]

tribe Satyrini Boisduval, [1833]

subtribe Lethina Reuter, 1896

Lethe Hübner, [1819]

subgenus ***Enodia*** Hübner, [1819]

770752E *portlandia* (Fabricius, 1781) *(Papilio)* E -- -- -- -- -- E E E E E -- -- E E --
NOTE: Historical records of this species in nNA (for example Forbes 1960) as "*L. portlandia borealis*" refer to *L. anthedon*, where the subspecies *borealis* is now placed. True *L. portlandia* does not occur in nNA.

770753 *anthedon* (Clark, 1936) *(Enodia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
b *borealis* (Clark, 1936) *(Enodia)* r -- -- -- -- -- ab sk mb on qc -- -- nb ns pe

subgenus ***Satyrodes*** Scudder, 1875

770755 *eurydice* (Linnaeus, 1763) *(Papilio)* R -- -- NT -- -- AB SK MB ON QC -- -- NB NS PE
a *eurydice* (Linnaeus, 1763) *(Papilio)* r -- -- nt -- -- ab sk mb on qc -- -- nb ns pe
boisduvalii (Harris, 1862) *(Hipparchia)*
boweri (Chermock, 1927) *(Satyrodes)*
cantheus (Godart, 1819) *(Satyrus)*
canthus (Linnaeus, 1767) *(Papilio)*
rawsoni (Field, 1936) *(Satyrodes)*
transmontana (Gosse, 1840) *(Hipparchia)*

770756 *appalachia* Chermock, 1947 *(Lethe)* R -- -- -- -- -- -- -- P ON QC -- -- -- -- --
b *leeuwi* Gatrelle & Arbogast, 1974 *(Lethe)* r -- -- -- -- -- -- -- p on qc -- -- -- -- --

subtribe Coenonymphina Tutt, 1896

Coenonympha Hübner, [1819]

770758 *tullia* Müller, 1764 *(Coenonympha)** R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE
NOTE: Recognition of the taxon *inornata* as a full species in the New World, distinct from European *C. tullia*, as advocated by Kondla & Schmidt (2010), has not been adopted by Pelham (2016). Status of the many subspecies is not entirely resolved, and some have been treated as full species by some authors. The subspecies *viluiensis* Ménétriés was used by Guppy & Shepard (2001) for AK populations of the Seward Peninsula, but it was considered extralimital by Pelham (2008).

c *mcisaaci* Dos Passos, 1935 *(Coenonympha)* r -- -- -- -- -- -- -- -- -- e e nf -- -- --
d *inornata* Edwards, 1861 *(Coenonympha)* r -- -- -- -- e e e mb on qc lb nf nb ns pe
heinemani Brown, [1959] *(Coenonympha)*
quebecensis Barnes & Benjamin, 1926 *(Coenonympha)*
e *benjamini* McDunnough, 1928 *(Coenonympha)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
bottineauensis Chermock, Simmons & Chermock, 1963 *(Coenonympha)*
f *mackenziei* Davenport, 1936 *(Coenonympha)* r -- -- nt -- -- ab -- -- -- -- -- -- -- -- --
g *yukonensis* Holland, 1900 *(Coenonympha)* r ak yt -- -- bc -- -- -- -- -- -- -- -- -- --
i *kodiak* Edwards, 1869 *(Coenonympha)* r ak yt nt nu u -- -- -- -- -- -- -- -- -- --
viluiensis of authors not Ménétriés, 1859 *(Coenonympha)*
j *insulana* McDunnough, 1928 *(Coenonympha)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
l *california* Westwood, [1851] *(Coenonympha)* e -- -- -- -- e -- -- -- -- -- -- -- -- --
o *columbiana* McDunnough, 1928 *(Coenonympha)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
p *ampelos* Edwards, 1871 *(Coenonympha)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
sweadneri Chermock & Chermock, 1941 *(Coenonympha)*
t *ochracea* Edwards, 1861 *(Coenonympha)* e -- -- -- -- e -- -- -- -- -- -- -- -- --

770758.1 *nipisiquit* McDunnough, 1939 *(Coenonympha)* R -- -- -- -- -- -- -- -- -- QC -- -- NB -- --
NOTE: This taxon was treated by Pelham (2008) as a subspecies of *C. tullia*, but Webster (1999) and Sei & Porter (2007) demonstrated that it is a distinct species, as it was treated by Layberry et al. (1998). It is listed as "Endangered" in Canada by COSEWIC (2016).

subtribe Euptychiina Reuter, 1896

Megisto Hübner, [1819]

770768 *cymela* (Cramer, 1777) *(Papilio)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS PE
NOTE: This species is a recent arrival in PE (Maritimes Butterfly Atlas 2016).
a *cymela* (Cramer, 1777) *(Papilio)* r -- -- -- -- -- p sk mb on qc -- -- nb ns pe
eurytus (Fabricius, 1775) *(Papilio)*

subtribe Cercyonina Verity, 1953

Cercyonis Scudder, 1875

770770 *pegala* (Fabricius, 1775) *(Papilio)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
NOTE: We follow Guppy & Shepard (2001) and Pyle (2002) and use the subspecies name *ariane* for southern BC populations, rather than *boopis*, as advocated by Layberry et al. (1998).
a *pegala* (Fabricius, 1775) *(Papilio)* r -- -- -- -- -- -- -- -- u u -- -- nb ns pe
abbotti Brown, 1969 *(Cercyonis)*
carolina (Chermock & Chermock, 1942) *(Minois)*
b *alope* (Fabricius, 1793) *(Papilio)* e -- -- -- -- e e -- e -- e -- -- e e --
d *nephele* (Kirby, 1837) *(Hipparchia)* r -- -- -- -- bc ab sk mb on qc -- -- u u u
borealis Chermock, 1929 *(Cercyonis)*
olympus (Edwards, 1880) *(Satyrus)*
e *ino* Hall, 1924 *(Cercyonis)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
f *incana* (Edwards, 1880) *(Satyrus)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
g *boopis* (Behr, 1864) *(Satyrus)* e -- -- -- -- e -- -- e -- -- -- -- -- -- --
baroni (Edwards, 1880) *(Satyrus)*
h *ariane* (Boisduval, 1852) *(Satyrus)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
j *gabbii* (Edwards, 1870) *(Satyrus)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --
770771P *meadii* (Edwards, 1872) *(Erebia)* P -- -- -- -- -- -- P -- -- -- -- -- -- -- --
NOTE: This species is known from ND, about 150km south of the SK border (Ferris & Brown 1981). It may occur in southern SK as well.
a *meadii* (Edwards, 1872) *(Erebia)* p -- -- -- -- -- -- p -- -- -- -- -- -- -- --
770772 *sthenele* (Boisduval, 1852) *(Satyrus)* R -- -- -- -- BC E E -- -- -- -- -- -- -- --
NOTE: The taxon "*C. oetus silvestris*" was reported from BC to SK by Layberry et al. (1998). The AB and BC populations are now considered to be *C. oetus charon*. True *C. sthelene* does not occur east of BC.
b *paulus* (Edwards, 1879) *(Satyrus)* e -- -- -- -- e -- -- -- -- -- -- -- -- -- --
c *silvestris* (Edwards, 1861) *(Satyrus)* e -- -- -- -- e e e -- -- -- -- -- -- -- --
d *sineocellata* Austin & Emmel, 1998 *(Cercyonis)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
770773 *oetus* (Boisduval, 1869) *(Satyrus)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
a *charon* (Edwards, 1872) *(Satyrus)* r -- -- -- -- bc ab sk -- -- -- -- -- -- -- --
b *phocus* (Edwards, 1874) *(Satyrus)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
c *oetus* (Boisduval, 1869) *(Satyrus)* e -- -- -- -- -- -- e -- -- -- -- -- -- -- --

subtribe Erebiina Tutt, 1896

Erebia Dalman, 1816

vidleri group Warren, 1936

770775 *vidleri* Elwes, 1898 *(Erebia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

triarius group Warren, 1936

770776 *rossii* (Curtis, 1835) *(Hipparchia)* R AK YT NT NU BC P -- MB -- E U -- -- -- --
NOTE: Historical QC records are based on a misidentified specimen of *E. mancinus* in the CNC. The LB record by Layberry et al. (1998) and others requires verification.
a *ornata* Leussler, 1935 *(Erebia)* r -- -- -- -- -- -- -- mb -- -- -- -- -- -- --
b *rossii* (Curtis, 1835) *(Hipparchia)* r ak yt nt nu bc p -- -- -- e u -- -- -- --
anocellus Scott, 1981 *(Erebia)*

brucei Scott, 1986 *(Erebia)*

c *gabrieli* Dos Passos, 1949 *(Erebia)* r ak -- -- -- -- -- -- -- -- -- -- -- -- --

d *kuskoquima* Holland, 1931 *(Erebia)* r ak -- -- -- -- -- -- -- -- -- -- -- -- --

embla group Warren, 1936

770777 *disa* (Thunberg, 1791) *(Papilio)** R AK YT NT NU E E E E E E -- -- -- --

NOTE: Historical records of this species from outside the western High Arctic, as *E. disa mancinus*, are erroneous, due to a previous taxonomic arrangement. *Erebia mancinus* is now recognized as a distinct species.

b *steckeri* Holland, 1930 *(Erebia)* r ak yt nt -- -- -- -- -- -- -- -- -- -- --

c *subarctica* McDunnough, 1937 *(Erebia)* r -- -- nt nu -- -- -- -- -- -- -- -- -- --

770778 *mancinus* Doubleday, [1849] *(Erebia)* R AK YT NT -- BC AB SK MB ON QC LB -- -- -- --

magdalena group Warren, 1936

770779 *magdalena* Strecker, 1880 *(Erebia)* R -- -- E -- BC AB -- -- -- -- -- -- -- -- --

NOTE: The NT record by Northwest Territories Environment and Natural Resources (2012) is based on a specimen that has been redetermined as *E. mackinleyensis*. True *E. magdalena* is restricted to the Rocky Mountains south of 60°N.

b *hilchie* Kemal & Koçak, 2007 *(Erebia)* r -- yt e -- bc ab -- -- -- -- -- -- -- -- --

saxicola Hilchie, 1990 *(Erebia)*

770780 *mackinleyensis* Gunder, 1932 *(Erebia)* R AK YT NT -- BC -- -- -- -- -- -- -- -- -- --

770781 *fasciata* Butler, 1868 *(Erebia)* R AK YT NT NU -- -- -- E -- -- -- -- -- -- --

NOTE: Klassen et al. (1989) noted that the MB record by Gregory (1975) is erroneous.

a *fasciata* Butler, 1868 *(Erebia)* r ak yt nt nu -- -- -- e -- -- -- -- -- -- --

suffusa Warren, 1936 *(Erebia)*

b *avinoffi* Holland, 1930 *(Erebia)* r ak -- -- -- -- -- -- -- -- -- -- -- -- --

medusa group Warren, 1936

770782 *epipsodea* Butler, 1868 *(Erebia)* R AK YT P -- BC AB SK MB -- XI -- -- -- -- --

NOTE: The QC record from Montreal in 1934 is an unestablished introduction (Handfield 2011).

b *epipsodea* Butler, 1868 *(Erebia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

hopfingeri Ehrlich, 1954 *(Erebia)*

c *sineocellata* Skinner, 1889 *(Erebia)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

freemani Ehrlich, 1954 *(Erebia)*

d *remingtoni* Ehrlich, 1952 *(Erebia)* r ak yt -- -- bc -- -- -- -- -- -- -- -- -- --

edda group Warren, 1936

770783 *discoidalis* (Kirby, 1837) *(Hipparchia)* R AK YT NT -- BC AB SK MB ON QC -- -- -- -- --

a *discoidalis* (Kirby, 1837) *(Hipparchia)* r ak yt nt -- bc ab sk mb on qc -- -- -- -- --

mcdunnoughi Dos Passos, 1940 *(Erebia)*

alberganus group Warren, 1936

770784 *pawloskii* Ménétriés, 1859 *(Erebia)** R AK YT NT -- BC E -- MB -- -- -- -- -- -- --

NOTE: A specimen in the AMNH exists, labelled "Calgary, NWT" (AB was a part of NT until 1905), but it is assumed to be mislabelled as no likely sites occur near Calgary, and this species is otherwise unknown in AB. The Old World name *E. theano* has been used historically in NA for this species.

theano of authors (not Tauscher, 1809) *(Papilio)*

b *alaskensis* Holland, 1900 *(Erebia)* r ak yt nt -- bc -- -- -- -- -- -- -- -- -- --

c *canadensis* Warren, 1931 *(Erebia)* r -- -- -- -- -- -- -- mb -- -- -- -- -- -- --

churchillensis Warren, 1936 *(Erebia)*

sofia Strecker, 1880 *(Erebia)*

770785 *youngi* Holland, 1900 *(Erebia)* R AK YT NT -- -- -- -- -- -- -- -- -- -- --

a *herscheli* Leussler, 1935 *(Erebia)* r ak yt -- -- -- -- -- -- -- -- -- -- -- --

b *youngi* Holland, 1900 *(Erebia)* r ak yt nt -- -- -- -- -- -- -- -- -- -- --

dabanensis of authors not Ershov, 1871 *(Erebia)*

770786 *lafontainei* Troubridge & Philip, 1983 *(Erebia)* R AK YT NT -- -- -- -- -- -- -- -- -- -- --

770787 *occulta* Roos & Kimmich, 1983 *(Erebia)* R AK YT NT -- -- -- -- -- -- -- -- -- -- --

NOTE: Historical records of the Old World species *E. anyuica* in NA refer to *E. occulta*.

anyuica of authors not Kurentzov, 1966 *(Erebia)*

a *occulta* Roos & Kimmich, 1983 *(Erebia)* r ak yt nt -- -- -- -- -- -- -- -- -- -- --

phellea Troubridge & Philip, 1983 *(Erebia)*

770788.1E *inuitica* Wyatt, 1966 *(Erebia)* E E -- -- -- -- -- -- -- -- -- -- -- -- --

NOTE: This species was described from AK, and is known only from the holotype. The specimen is thought to have originated in the Old World by most workers. It was listed by Ferris (1989), but was not mentioned at all in Hodges et al. (1983). It was treated as "excluded" by Pelham (2008).

Homeonympha **Felder & Felder, 1867**

770788.2E *vesagus* (Doubleday, [1849]) *(Erebia)* E -- -- -- -- -- -- -- -- -- -- -- -- -- --

NOTE: This species was described from the "Rocky Mountains", presumably of the USA, but that type locality information was deemed erroneous by Strecker (1892); this is a South American species. It was reported in error from "Canada" by the Natural History Society of Toronto (1883).

subtribe Satyrina Boisduval, [1833]

Neominois **Scudder, 1875**

770789 *ridingsii* (Edwards, 1865) *(Satyrus)* R -- -- -- -- EP AB SK MB -- -- -- -- -- -- --

NOTE: The BC record by Anderson (1904) could not be verified and is assumed erroneous, but the species is expected there.

a *minimus* Austin, 1986 *(Neominois)* r -- -- -- -- p ab sk mb -- -- -- -- -- -- --

c *ridingsii* (Edwards, 1865) *(Satyrus)* e -- -- -- -- -- -- e e -- -- -- -- -- -- --

Oeneis **Hübner, [1819]**

subgenus ***Oeneis*** Hübner, [1819]

polixenes group Gorbunov, 2001

770790 *philipi* Troubridge, 1988 *(Oeneis)* R AK YT NT -- BC -- -- -- -- -- -- -- -- -- --

NOTE: This taxon was considered by Layberry et al. (1998) to be a synonym of the Palaearctic *O. rosovi*, but Pelham (2008) is awaiting a lectotype designation of one of the two *rosovi* syntypes (which may represent different species, according to Lukhtanov 1989) before accepting this synonymy.

lafontainei Kral, 1987 *(Oeneis)*

rosovi of authors not Kurentzov, 1960 *(Oeneis)*

770791 *polixenes* (Fabricius, 1775) *(Papilio)* R AK YT NT NU BC AB P MB U QC LB NF -- -- --

NOTE: No confirmed ON records are known, but the species almost certainly occurs there, in the far north (Hall et al. 2014).

a *katahdin* (Newcomb, 1901) *(Chionobas)* e -- -- -- e -- -- -- e -- e -- -- -- -- --

b *polixenes* (Fabricius, 1775) *(Papilio)* r -- -- -- -- -- -- -- e u qc lb nf -- -- --

oeno (Boisduval, [1834]) *(Chionobas)*

c *subhyalina* (Curtis, 1835) *(Hipparchia)* r -- -- nt nu -- -- -- -- -- -- -- -- -- -- --

peartiae (Edwards, 1897) *(Chionobas)*

d *beringianus* Kurentsov, 1970 *(Oeneis)* r ak yt nt nu bc ab p mb u -- -- -- -- -- --

luteus Troubridge & Parshall, 1988 *(Oeneis)*

e *woodi* Troubridge & Parshall, 1988 *(Oeneis)* r ak yt -- -- -- -- -- -- -- -- -- -- -- --

f *yukonensis* Gibson, 1920 *(Oeneis)* r -- yt -- -- bc -- -- -- -- -- -- -- -- -- --

g *brucei* (Edwards, 1891) *(Chionobas)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

770792 *jutta* (Hübner, [1806]) *(Papilio)** R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE

NOTE: Kondla & Schmidt (2010) use *balderi* as the Nearctic name, but that was not accepted by Pelham (2008).

b *balder* (Guérin-Méneville, [1832]) *(Satyrus)* r -- -- -- -- -- -- -- -- -- -- lb -- -- -- --

balderi (Geyer, 1837) *(Eumenis)*

c *terraenovae* Dos Passos, 1935 *(Oeneis)* r -- -- -- -- -- -- -- -- -- u u nf -- -- --

d *ascerta* Masters & Sorensen, 1968 *(Oeneis)* r -- -- -- -- -- -- -- mb on qc lb -- nb ns pe

e *ridingiana* Chermock & Chermock, 1940 *(Oeneis)* r -- -- u -- bc ab sk mb -- -- -- -- -- e --

f *harperi* Dos Passos, [1977] *(Oeneis)* r -- -- nt nu -- -- -- mb on -- -- -- -- -- --

g *leussleri* Bryant, 1935 *(Oeneis)* r -- -- nt -- -- -- -- -- -- -- -- -- -- -- --

h *alaskensis* Holland, 1900 *(Oeneis)* r ak yt -- -- bc -- -- -- e -- -- -- -- -- --

i *chermocki* Wyatt, 1965 *(Oeneis)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

j *reducta* McDunnough, 1929 *(Oeneis)* e -- -- -- -- e e -- -- -- -- -- -- -- -- --

770793 *melissa* (Fabricius, 1775) *(Papilio)* R AK YT NT NU BC AB -- MB ON QC LB E -- -- --

NOTE: Historical records of this species from "Newfoundland" refer to LB, not the island of NF. Subspecies *beani* was listed as a subspecies of *O. norna* (Quensel) by ESBC (1906). The name *norna* is now treated as a Palaearctic synonym of *O. bore*. Subspecies *semidea* was reported from Canada in error by the Natural History Society of Toronto (1883).

a *semidea* (Say, 1828) *(Hipparchia)* e -- -- -- -- -- -- -- -- -- -- -- -- -- --

b *melissa* (Fabricius, 1775) *(Papilio)* r -- -- -- -- -- -- -- -- -- qc lb e -- -- --

c *semplei* Holland, 1930 *(Oeneis)* r -- -- -- nu -- -- -- mb on qc lb -- -- -- --

d *assimilis* Butler, 1868 *(Oeneis)* r -- -- nt nu -- -- -- -- -- -- -- -- -- --

arctica Gibson, 1920 *(Oeneis)*

simulans Gibson, 1920 *(Oeneis)*

e *gibsoni* Holland, 1930 *(Oeneis)* r ak yt -- -- bc -- -- -- -- -- -- -- -- -- --

f *atlinensis* Guppy & Shepard, 2001 *(Oeneis)* r -- yt -- -- bc -- -- -- -- -- -- -- -- -- --

g *beanii* Elwes & Edwards, 1893 *(Oeneis)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

hora group Gorbunov, 2001

770794 *alpina* Kurentsov, 1970 *(Oeneis)** R AK YT NT P -- -- -- -- -- -- -- -- -- -- --

b *excubitor* Troubridge, Philip, Scott & Shepard, 1982 *(Oeneis)*

r ak yt nt p -- -- -- -- -- -- -- -- -- -- --

bore group Gorbunov, 2001

770795 *bore* (Esper, 1789) *(Papilio)** R AK YT NT NU BC AB -- MB P QC LB -- -- -- --

NOTE: Hooper's (1973) listing of this species as "probable" for SK is not realistic.

norna (Quensel, 1791) *(Papilio)*

b *taygete* Geyer, [1830] *(Oeneis)* r -- -- -- -- e e -- e -- qc lb -- -- -- --

bootes (Boisduval, [1834]) *(Chionobas)*

c *gaspeensis* Dos Passos, 1949 *(Oeneis)* r -- -- -- -- -- -- -- -- -- qc -- -- -- -- --

d *hanburyi* Watkins, 1928 *(Oeneis)* r ak yt nt nu e e -- mb -- -- -- -- -- -- --

e *mckinleyensis* Dos Passos, 1949 *(Oeneis)* r ak yt -- -- bc -- -- -- -- -- -- -- -- -- --

g *edwardsi* Dos Passos, 1949 *(Oeneis)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

770795.1 *tanana* Warren & Nakahara, 2016 *(Oeneis)* R AK P -- -- -- -- -- -- -- -- -- -- -- --

NOTE: Warren et al. (2016) recently discovered this species when reviewing specimens from AK. The species is known thus far only from the AK portion of the Tanana River basin of southeastern AK, but the species may occur in adjacent YT as well.

770796 *chryxus* (Doubleday, [1849]) *(Chionobas)* R AK YT NT -- BC AB SK MB ON QC LB E -- -- --

NOTE: Reports of this species from NF by Krogerus (1954) and Morris (1980) are assumed to refer to *O. jutta*, as no vouchers could be located. Warren et al. (2016) corrected the AK and YT subspecies from *caryi* to *chryxus*.

a *strigulosa* McDunnough, 1934 *(Oeneis)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --

b *calais* (Scudder, 1865) *(Chionobas)* u -- -- -- -- -- u sk mb on qc -- e -- -- --

c *caryi* Dyar, 1904 *(Oeneis)* r e e nt -- bc ab u -- -- -- -- -- -- -- --

d *altacordillera* Scott, 2006 *(Oeneis)* e -- -- -- -- -- e -- -- -- -- -- -- -- -- --

e *chryxus* (Doubleday, [1849]) *(Chionobas)* r ak yt -- -- bc ab -- -- -- -- -- -- -- -- --

770797 *alberta* Elwes, 1893 *(Oeneis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

a *alberta* Elwes, 1893 *(Oeneis)* r -- -- -- -- bc ab u u -- -- -- -- -- -- --

b *ojibwe* Scott & Kondla, 2006 *(Oeneis)* r -- -- -- -- -- -- u mb -- -- -- -- -- -- --

e *daura* (Strecker, 1894) *(Chionobas)* e -- -- -- -- -- e -- e -- -- -- -- -- -- --

770798 *nevadensis* (Felder & Felder, 1867) *(Chionobas)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

a *gigas* Butler, 1868 *(Oeneis)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

b *nevadensis* (Felder & Felder, 1867) *(Chionobas)*

r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

californica (Boisduval, 1869) *(Chionobas)*

770799 *macounii* (Edwards, 1885) *(Chionobas)* R -- -- NT -- BC AB SK MB ON QC -- -- -- -- --

subgenus ***Protoeneis*** Gorbunov, 2001

770800 *uhleri* (Reakirt, 1866) *(Chionobas)* R AK YT NT -- BC AB SK MB -- -- -- -- -- -- --

c *varuna* (Edwards, 1882) *(Chionobas)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

dennisi Gunder, 1927 *(Oeneis)*

d *cairnesi* Gibson, 1920 *(Oeneis)* r ak yt nt -- -- -- -- -- -- -- -- -- -- -- --

kluanensis (Hassler, 2002) *(Chionobas)*

e *nahanni* Dyar, 1904 *(Oeneis)* r -- -- nt -- -- -- -- -- -- -- -- -- -- --

770800.1E *tarpeia* (Pallas, 1771) *(Papilio)* E -- -- -- -- -- -- -- -- -- -- -- -- -- --

NOTE: This Eurasian species was reported from "Canada" by the Natural History Society of Toronto (1883) following a previous taxonomic arrangement; true *O. tarpeia* does not occur in NA. That record probably refers to *O. uhleri*.

Superfamily PYRALOIDEA Latreille, 1809

67. Family PYRALIDAE Latreille, 1809

by G.R. Pohl and A.D. Macaulay

Pyralids are small to large moths, with wingspans ranging from about 10 to 75 mm. Most North American species have wingspans less than 35 mm. The family is defined by the unique arrangement of the tympanal organs, which are on the ventral part of the abdomen base and include a narrow opening that faces forward towards the thorax. Pyralids have diverse feeding habits, including leaf rollers, plant tissue borers, inquilines, and stored product pests.

The family Pyralidae is a large group of cosmopolitan moths. There are about 5900 described species; about 680 are found in the Nearctic region and 244 are reported from nNA. The subfamily Phycitinae is fairly well known, with significant revisions published by Heinrich (1956) and Neunzig (1986, 1990, 1997, 2003). The other subfamilies are generally poorly known and require taxonomic work. Scholtens & Solis (2015) provide an online catalogue of world Pyraloidea.

subfamily Galleriinae Zeller, 1848

tribe Galleriini Zeller, 1848

Galleria Fabricius, 1798

800001 *mellonella* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC H -- H ON QC -- H NB -- PE

NOTE: The PE record is a photo record by D. MacNearney; detailed larval images were confirmed by B. Smith of the United States Department of Agriculture, Bee Research Laboratory.

austrinia Felder & Rogenhofer, 1875 *(Galleria)*
cerea (Haworth, 1811) *(Crambus)*
cerealis Hübner, 1825 *(Galleria)*
cereana (Blom, 1764) *(Phalaena)*
cerella (Fabricius, 1775) *(Tinea)*
crombrugheella Dufrane, 1930 *(Galleria)*
obliquella (Walker, 1866) *(Vindana)*

Achroia Hübner, 1819

800002 *grisella* (Fabricius, 1794) *(Tinea)*+ R -- -- -- -- BC -- -- -- -- QC -- -- -- -- --

aluearia (Fabricius, 1798) *(Galleria)*
alvea (Haworth, 1811) *(Galleria)*
alvearia (Stephens, 1829) *(Galleria)*
alveariella (Guenée, 1848) *(Meliphora)*
cinerana (Fabricius, 1781) *(Pyralis?)*
cinereola (Hübner, 1802) *(Bombyx)*
ifranella Lucas, 1955 *(Achroia)*
major Dufrane, 1930 *(Achroia)*

tribe Tirathabini Whalley, 1964

Aphomia Hübner, 1825

tax info: Solis & Metz (2008)

Corcyra Ragonot, 1885
Paralipsa Butler, 1879
Tineopsis Dyar, 1913

800008	*sociella* (Linnaeus, 1758) *(Phalaena)*+	R	--	--	--	--	BC	AB	--	--	ON	QC	--	NF	NB	NS	PE
	asiatica Caradja, 1916 *(Aphomia)*																
	colonatus (Haworth, 1809) *(Crambus)*																
	colonum (Fabricius, 1798) *(Crambus)*																
	eritrella Della Beffa, 1941 *(Aphomia)*																
	grisea Turati, 1913 *(Aphomia)*																
	lanceolata Dufrane, 1930 *(Aphomia)*																
	minor Dufrane, 1930 *(Aphomia)*																
	pedemontella Della Beffa, 1941 *(Aphomia)*																
	rufinella Krulikowsky, 1909 *(Aphomia)*																
	socia (Fabricius, 1798) *(Lithosia)*																
	virescens Skala, 1929 *(Aphomia)*																
800009	*terrenella* Zeller, 1848 *(Aphomia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--
	NOTE: This native North American species was introduced to Canada from the southern USA.																
	decorella (Hulst, 1892) *(Paralipsa)*																
	furellus (Zeller, 1873) *(Melissoblaptes)*																
800010	*fulminalis* (Zeller, 1872) *(Melissoblaptes)*	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--
800011	*gularis* (Zeller, 1877) *(Melissoblaptes)*+	R	--	--	--	--	BC	--	--	--	--	H	--	--	--	--	--
800012	*cephalonica* (Stainton, 1866) *(Melissoblaptes)*+	H	--	--	--	--	H	H	--	H	H	H	--	--	--	--	--
	oeconomellus (Mann, 1872) *(Melissoblaptes)*																
	theobromae (Dyar, 1913) *(Tineopsis)*																
	translineella (Hampson, 1901) *(Corcyra)*																
800013E	*fuscolimbella* (Ragonot, 1887) *(Melissoblaptes)*	E	--	--	--	--	--	--	--	--	--	E	--	--	--	--	--
	NOTE: The supposed North American origin of type material is probably incorrect (Solis & Metz 2008).																

tribe Cacotherapini Munroe, 1995

Cacotherapia Dyar, 1904

800024	*leucocope* (Dyar, 1917) *(Macrotheca)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--

subfamily Chrysauginae Lederer, 1863

tax info: Cashatt (1968)

Acallis Ragonot, 1891

800035	*gripalis* (Hulst, 1886) *(Aglossa)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--
	angustipennis (Warren, 1891) *(Ugra)*																		
	centralis Dyar, 1910 *(Acallis)*																		
	fernaldi Ragonot, 1891 *(Acallis)*																		
800036	*alticolalis* (Dyar, 1910) *(Polloccia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--

Galasa Walker, 1886

800048	*nigrinodis* (Zeller, 1873) *(Cordylopeza)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	--	--	--	--
	palmipes Grote & Robinson, 1891 *(Galasa)*																		
	rubrana Fitch, 1891 *(Galasa)*																		

Tosale Walker, 1863

800052	*oviplagalis* (Walker, 1866) *(Fabatana)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--
	anthoecioides (Grote & Robinson, 1867) *(Asopia)*																		
	nobilis (Grote, 1875) *(Siparocera)*																		
	nobilis (Robinson, 1876) *(Siparocera)*																		

Arta Grote, 1875

800062	*statalis* Grote, 1875 *(Arta)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	--	--	--	--	--
800063	*epicoenalis* Ragonot, 1891 *(Arta)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--

beatifica (Dyar, 1921) *(Xantippe)*
descansalis (Dyar, 1908) *(Xantippides)*

Condylolomia Grote, 1873

800066 *participalis* Grote, 1873 *(Condylolomia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE

subfamily Pyralinae Latreille, 1809

tribe Pyralini Latreille, 1809

Pyralis Linnaeus, 1758

800072 *farinalis* Linnaeus, 1758 *(Pyralis)*+ R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
a *farinalis* Linnaeus, 1758 *(Pyralis)* r -- -- -- -- bc ab sk mb on qc -- nf nb ns pe
erecta (Fourcroy & Geoffroy, 1785) *(Phalaena)*
farinatus (Haworth, 1803) *(Crambus)*
fraterna Butler, 1879 *(Pyralis)*
infumata Rebel, 1940 *(Pyralis)*
tenerifensis Rebel, 1906 *(Pyralis)*

Aglossa Latreille, 1796

800074 *costiferalis* (Walker, 1866) *(Pyralis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
costigeralis (Walker, 1866) *(Pyralis)*
800075 *disciferalis* (Dyar, 1908) *(Pyralis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
800076 *electalis* (Hulst, 1886) *(Pyralis)* R -- -- -- -- E -- -- -- -- QC -- -- -- -- --
NOTE: Historical records of this species from BC, originating with Dyar (1904), almost certainly refer to *A. cacamica*, which was described since those early reports.
800077 *cacamica* (Dyar, 1913) *(Pyralis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
800078 *pinguinalis* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC AB -- -- ON QC -- -- NB -- --
maroccana Schmidt, 1934 *(Aglossa)*
pinguedinis (Retzius, 1783) *(Phalaena)*
pinguiculatus (Haworth, 1809) *(Crambus)*
pinguis (Fabricius, 1799) *(Crambus)*
800079 *caprealis* (Hübner, [1809]) *(Pyralis)*+ R -- -- -- -- BC AB -- -- ON QC -- -- -- NS --
capreolatus (Haworth, 1809) *(Crambus)*
domalis Guenée, 1854 *(Aglossa)*
enthealis (Hulst, 1886) *(Tetralopha)*
incultella (Walker, 1866) *(Acrobasis)*
800080 *cuprina* Zeller, 1872 *(Aglossa)* R -- -- -- -- BC AB -- -- ON QC -- -- -- NS --
800085 *oculalis* Hampson, 1906 *(Aglossa)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This species is known in Canada only from a DNA barcoded specimen from Puslinch Township (ON), collected by P. Hebert, and determined by JFL.

Hypsopygia Hübner, 1825
Dolichomia Ragonot, 1891
Herculia Walker, 1859

800086 *costalis* (Fabricius, 1775) *(Phalaena)*+ R -- -- -- -- BC XI SK MB ON QC -- NF NB NS PE
NOTE: This species is known in AB only from Olds, collected by E. Mengersen in 1998. It has not been collected since, despite intensive collecting in the area, so it is assumed to be an unestablished introduction, probably brought in with hay.
a *costalis* (Fabricius, 1775) *(Phalaena)* r -- -- -- -- bc xi sk mb on qc -- nf nb ns pe
hyllalis (Walker, 1859) *(Pyralis)*
rubrocilialis (Staudinger, 1870) *(Asopia)*
800088 *intermedialis* (Walker, 1862) *(Pyralis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
sodalis (Walker, 1869) *(Pyralis)*
squamealis (Grote, 1873) *(Pseudasopia)*

800090 *cohortalis* (Grote, 1878) *(Asopia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
florencealis (Blackmore, 1920) *(Herculia)*

800091 *thymetusalis* (Walker, 1859) *(Botys)* R -- YT -- -- BC AB SK MB ON QC LB NF U NS --
NOTE: The NB records by Prentice (1965) and Lafontaine et al. (2001) could not be verified.
devialis (Grote, 1875) *(Asopia)*

800092 *binodulalis* (Zeller, 1872) *(Asopia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: Known in Canada from two specimens collected by D. Handfield, confirmed via DNA barcoding, and from a recent photo record from southern ON.

800094 *olinalis* (Guenée, 1854) *(Pyralis)* R -- -- -- -- -- AB SK MB ON QC -- NF -- U --
NOTE: The NS record by Perrin & Russell (1912) could not be verified, and may refer to another *Hypsopygia* species.
himonialis (Zeller, 1872) *(Asopia)*
infimbrialis (Dyar, 1910) *(Herculia)*
trentonalis (Lederer, 1863) *(Asopia)*

subfamily Epipaschiinae Meyrick, 1884

Macalla Walker, [1859]

800100 *zelleri* (Grote, 1876) *(Mochlocera)* R -- -- -- -- BC -- -- MB ON -- -- -- -- -- --

Epipaschia Clemens, 1860

800102 *superatalis* Clemens, 1860 *(Epipaschia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
borealis (Grote, 1870) *(Deuterollyta)*
olivalis (Hulst, 1886) *(Tetralopha)*

Toripalpus Grote, 1877

800109E *breviornatalis* (Grote, 1877) *(Cacozelia)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The report of this species from AB by Bowman (1951) is erroneous (Pohl et al. 2010).

800110 *trabalis* Grote, 1881 *(Toripalpus)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
adulatalis Hulst, 1887 *(Toripalpus)*

Oneida Hulst, 1889
tax info: Solis (1991)

800112 *lunulalis* (Hulst, 1887) *(Toripalpus)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE

Pococera Zeller, 1848
Tetralopha Zeller, 1848

800122 *robustella* (Zeller, 1848) *(Tetralopha)* R -- -- -- -- -- -- SK MB ON QC -- -- -- -- --
diluculella (Grote, 1880) *(Tetralopha)*

800124 *melanogrammos* (Zeller, 1872) *(Tetralopha)* R -- -- -- -- -- -- -- MB -- QC -- -- -- -- --
NOTE: New for Canada, based on DNA barcoded specimens from Bird's Hill Park (MB), collected by J. Sones et al.; and from Lac Goujon (QC), collected and confirmed by D. Handfield.

800129 *subcanalis* (Walker, 1863) *(Nephopteryx)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on a single specimen in the CNC.
querciella (Barnes & McDunnough, 1913) *(Tetralopha)*
taleolalis (Hulst, 1886) *(Toripalpus)*

800130 *maritimalis* (McDunnough, 1939) *(Tetralopha)* R -- -- -- -- -- -- -- -- ON QC -- U NB NS --
NOTE: The NF record by Prentice (1965) could not be verified.

800131 *militella* (Zeller, 1848) *(Tetralopha)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- PE
platanella (Clemens, 1860) *(Lanthape)*

800132 *aplastella* (Hulst, 1888) *(Tioga)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

800133 *asperatella* (Clemens, 1860) *(Lanthaphe)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS PE

800134 *vacciniivora* (Munroe, 1963) *(Tetralopha)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

800135 *expandens* (Walker, 1863) *(Benta)* R -- -- -- -- BC -- -- MB ON QC -- -- NB NS --
clemensalis (Dyar, 1905) *(Tetralopha)*
nephelotella (Hulst, 1888) *(Loma)*

800138 *provoella* (Barnes & Benjamin, 1924) *(Tetralopha)* R -- -- -- -- BC -- -- MB -- -- -- -- NB -- --
800140 *thoracicella* (Barnes & Benjamin, 1924) *(Tetralopha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
800146 *baptisiella* (Fernald, 1887) *(Tetralopha)* R -- -- -- -- -- AB SK U ON -- -- -- -- -- --
NOTE: Kearfott's (1905b) MB record could not be verified.

subfamily Phycitinae Zeller, 1839

tribe Phycitini Zeller, 1839

Acrobasis Zeller, 1839
tax info: Neunzig (1986)
Trachycera Ragonot, 1893

vaccinii group Neunzig, 1986

800150 *vaccinii* Riley, 1884 *(Acrobasis)* R -- -- -- -- BC -- -- -- ON QC -- NF NB NS PE
800151 *amplexella* Ragonot, 1887 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE

indigenella group Neunzig, 1986

800152 *indigenella* (Zeller, 1848) *(Myelois)* R -- -- -- -- E AB U MB ON QC -- -- NB NS PE
NOTE: Neunzig (1986) reported this species as "generally distributed east of the Rocky Mountains and also in southern CA", but no specific SK records are known. The unconfirmed BC record by Pohl et al. (2015b) has been deemed erroneous, presumably based on a databasing error as vouchers in the UBC collection could not be located.
grossbecki (Barnes & McDunnough, 1917) *(Mineola)*
nebulella (Riley, 1872) *(Phycita)*
nebulo (Walsh, 1860) *(Phycita)*
zelatella (Hulst, 1887) *(Myelois)*

tricolorella group Neunzig, 1986

800153 *tricolorella* Grote, 1878 *(Acrobasis)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS --
scitulella (Hulst, 1900) *(Mineola)*

comptella group Neunzig, 1986

800154E *comptella* Ragonot, 1887 *(Acrobasis)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: Riotte's (1992) ON record could not be verified and is deemed erroneous; this is a West Coast species.

caryae group Neunzig, 1986

800156 *caryae* Grote, 1881 *(Acrobasis)* R -- -- -- -- -- -- -- E ON QC -- -- -- -- --
NOTE: The MB record by Kearfott (1905b) could not be verified and is assumed to be erroneous; the host plant hickory (*Carya* spp.) does not occur in MB.

stigmella group Neunzig, 1986

800163 *stigmella* Dyar, 1908 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
800164 *aurorella* Ely, 1910 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
800165 *exsulella* (Zeller, 1848) *(Myelois)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Port Franks (ON) by KS.
peplifera Dyar, 1925 *(Acrobasis)*
septentrionella Dyar, 1925 *(Acrobasis)*
800166 *demotella* Grote, 1881 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
800167 *angusella* Grote, 1880 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB P --
eliella Dyar, 1908 *(Acrobasis)*

palliolella group Neunzig, 1986

800169 *palliolella* Ragonot, 1887 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
albocapitella Hulst, 1888 *(Acrobasis)*
feltella Dyar, 1910 *(Acrobasis)*

800170 *juglandis* (LeBaron, 1872) *(Phycita)* R -- -- -- -- -- -- -- -- ON QC -- -- -- U --
NOTE: The NS record, based on specimens in the AFC collection, requires verification.

800172 *tumidulella* (Ragonot, 1887) *(Cateremna)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
kearfottella Dyar, 1905 *(Acrobasis)*

caryivorella group Neunzig, 1986

800173 *caryivorella* Ragonot, 1887 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
comacornella (Hulst, 1900) *(Acrocaula)*

cunulae group Neunzig, 1986

800174 *cunulae* Dyar & Heinrich, 1929 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

800175 *comptoniella* Hulst, 1890 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

800177 *minimella* Ragonot, 1889 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: The southern ON records by KS have been verified by DNA barcoding.

800178 *rubrifasciella* Packard, 1873 *(Acrobasis)* R -- -- -- -- BC -- -- MB ON QC -- -- NB NS --
alnella McDunnough, 1922 *(Acrobasis)*
dyarella Ely, 1910 *(Acrobasis)*

800179 *irrubriella* Ely, 1908 *(Acrobasis)* R -- -- -- -- -- -- -- -- U QC -- -- -- NS --
NOTE: Riotte's (1992) ON record could not be verified. This species is questionably distinct from *A. rubrifasciella* (Neunzig 1986).

800180 *betulella* Hulst, 1890 *(Acrobasis)* R -- -- -- -- BC AB SK MB ON QC -- U NB NS PE
NOTE: Prentice's (1965) NF record could not be verified.
hebescella Hulst, 1890 *(Acrobasis)*

800182 *carpinivorella* Neunzig, 1970 *(Acrobasis)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --

800183 *sylviella* Ely, 1908 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

800185 *ostryella* Ely, 1913 *(Acrobasis)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

800186 *normella* Dyar, 1908 *(Acrobasis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
malipennella Dyar, 1908 *(Acrobasis)*
secundella Ely, 1913 *(Acrobasis)*

800188 *suavella* (Zincken, 1818) *(Phycis)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
supposita (Heinrich, 1940) *(Mineola)*

Cuniberta Heinrich, 1956
tax info: Neunzig (1990)

800194 *subtinctella* (Ragonot, 1887) *(Nephopteryx)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Myelopsis Heinrich, 1956
tax info: Neunzig (1990)

800203 *minutularia* (Hulst, 1887) *(Dioryctria)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
coniella (Ragonot, 1887) *(Myelois)*
minutulella (Hulst, 1890) *(Dioryctria)*
nefas (Dyar, 1922) *(Rampylla)*

800205 *subtetricella* (Ragonot, 1889) *(Myelois)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS --
obnupsella (Hulst, 1890) *(Myelois)*
zonulella (Ragonot, 1889) *(Myelois)*

800206 *alatella* (Hulst, 1887) *(Acrobasis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
fragilella (Dyar, 1904) *(Myelois)*
piazzella (Dyar, 1925) *(Myelois)*
rectistrigella (Ragonot, 1887) *(Myelois)*

***Apomyelois* Heinrich, 1956**
tax info: Neunzig (1990)
Ectomyelois Heinrich, 1956

800211 *bistriatella* (Hulst, 1887) *(Dioryctria)* R -- -- NT -- BC AB SK MB ON QC -- P NB NS PE
bilineatella (Ragonot, 1887) *(Myelois)*
neophanes (Durrant, 1915) *(Myelois)*
subcognata (Ragonot, 1887) *(Myelois)*

800213E *decolor* (Zeller, 1881) *(Myelois)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: Listed from QC by Handfield et al. (1997) but no specimens are known; it was excluded from the NA fauna by Neunzig (1990).

***Amyelois* Amsel, 1955**
tax info: Neunzig (1990)
Paramyelois Heinrich, 1956

800214 *transitella* (Walker, 1863) *(Nephopteryx)* H -- -- -- -- -- -- -- -- -- H -- -- -- -- --
cassiae (Dyar, 1917) *(Emporia)*
duplipunctella (Ragonot, 1881) *(Myelois)*
notatalis (Walker, 1863) *(Nephopteryx)*
solitella (Zeller, 1881) *(Myelois)*
venipars (Dyar, 1914) *(Myelois)*

***Euzophera* Zeller, 1867**
tax info: Neunzig (1990)
Euzophora of authors, [no date]

800215 *semifuneralis* (Walker, 1863) *(Nephopteryx)* R -- -- -- -- BC -- -- MB ON QC -- -- NB NS --
pallulella (Hulst, 1887) *(Stenoptycha)*

800216E *aglaeella* Ragonot, 1887 *(Euzophera)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Erroneous BC record by Blackmore (1923) (Pohl et al. 2015b). This species was not reported from nNA by Neunzig (1990).

800217 *habrella* Neunzig, 1990 *(Euzophera)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --

800218 *vinnulella* Neunzig, 1990 *(Euzophera)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

800220 *ostricolorella* Hulst, 1890 *(Euzophera)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Port Franks (ON) by KS, and confirmed by JTT.

***Eulogia* Heinrich, 1956**
tax info: Neunzig (1990)

800222 *ochrifrontella* (Zeller, 1876) *(Ephestia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
ferruginella (Ragonot, 1887) *(Euzophera)*

***Ephestiodes* Ragonot, 1887**
tax info: Neunzig (1990)

800223 *gilvescentella* Ragonot, 1887 *(Ephestiodes)* R -- -- -- -- BC AB SK -- ON QC -- -- -- NS --
nigrella Hulst, 1900 *(Ephestiodes)*

800225 *infimella* Ragonot, 1887 *(Ephestiodes)* R -- -- -- -- U U -- MB ON QC -- -- NB NS --
NOTE: This species was reported as an uncertain record from BC by Buckell (1947). Specimens from BC and AB share DNA barcodes and are about 3% different from eastern *E. infimella*. They appear to represent another species, but they are listed here as uncertain pending further examination.

800227 *erythrella* Ragonot, 1887 *(Ephestiodes)* R -- -- -- -- BC -- -- MB ON QC -- -- -- -- --
benjaminella Dyar, 1905 *(Ephestiodes)*
coloradella (Hulst, 1900) *(Eurythmia)*

800229 *griseus* Neunzig, 1990 *(Ephestiodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Moodna* Hulst, 1890**
tax info: Neunzig (1990)

800232 *ostrinella* (Clemens, 1860) *(Ephestia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
obtusangulella (Ragonot, 1887) *(Hornigia)*
pelviculella Hulst, 1890 *(Moodna)*

800233 *pallidostrinella* Neunzig, 1990 *(Moodna)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Port Franks (ON), collected recently by KS and confirmed by JFL.

800234 *bisinuella* Hampson, 1901 *(Moodna)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: New for Canada, based on three specimens in the CNC.

***Caudellia* Dyar, 1904**
tax info: Neunzig (1990)

800235 *apyrella* Dyar, 1904 *(Caudellia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Port Franks (ON) by KS.

albovittella Dyar, 1904 *(Caudellia)*

800237 *nigrella* (Hulst, 1890) *(Ephestia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

arizonella (Walter, 1928) *(Ephestia)*

***Vitula* Ragonot, 1887**
tax info: Neunzig (1990)

Manhatta Hulst, 1890

800239 *edmandsii* (Packard, 1864) *(Nephopteryx)* R -- -- -- -- BC -- -- MB ON QC -- NF NB P U
NOTE: The PE record, based on a photograph by R.W. Harding, cannot be identified with certainty.

dentosella Ragonot, 1887 *(Vitula)*

edmandsae Heinrich, 1956 *(Vitula)*

800241 *serratilineella* Ragonot, 1887 *(Vitula)* R AK -- -- -- BC AB SK -- -- -- -- -- -- -- --

bombylicolella Amsel, 1955 *(Vitula)*

800246 *broweri* (Heinrich, 1956) *(Manhatta)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --

800247 *setonella* (McDunnough, 1927) *(Moodna)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

***Sosipatra* Heinrich, 1956**
tax info: Neunzig (1990)

800248 *rileyella* (Ragonot, 1887) *(Ephestia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

***Plodia* Guenée, 1845**
tax info: Neunzig (1990)

800258 *interpunctella* (Hübner, [1813]) *(Tinea)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE

glycinivorella (Matsumura, 1920) *(Ephestia)*

interpunctalis (Hübner, 1825) *(Tinea)*

latercula (Hampson, 1901) *(Unadilla)*

zeae (Fitch, 1856) *(Tinea)*

***Ephestia* Guenée, 1845**
tax info: Neunzig (1990)

Anagasta Heinrich, 1956

800259 *elutella* (Hübner, 1796) *(Tinea)*+ H P -- -- -- H H P H H H P P H P P

amarella Dyar, 1904 *(Ephestia)*

aquella ([Denis & Schiffermüller], 1775) *(Tinea)*

elutea (Haworth, 1811) *(Phycis)*

pterogrisella Roesler, 1965 *(Ephestia)*

uniformata Dufrane, 1942 *(Ephestia)*

800260 *kuehniella* Zeller, 1879 *(Ephestia)*+ H H -- -- -- H H H H H H H H H H P

alba (Roesler, 1966) *(Ephestia Anagasta)*

fuscofasciella Ragonot, 1887 *(Ephestia)*

gitonella Druce, 1896 *(Ephestia)*

nigra (Roesler, 1966) *(Ephestia Anagasta)*

800261 *columbiella* Neunzig, 1990 *(Ephestia)* R -- -- -- -- -- EP SK MB -- -- -- -- -- -- --
NOTE: An uncertain AB specimen reported by Pohl et al. (2014) has been redetermined as *Ephestiodes gilvescentella*. However, the species is expected in the grasslands of southern AB.

***Cadra* Walker, 1864**
tax info: Neunzig (1990)

800263 *cautella* (Walker, 1863) *(Pempelia)*+ H -- -- -- -- H P P P H H P P P P P
pelopis (Turner, 1947) *(Ephestia)*
800264 *figulilella* (Gregson, 1871) *(Ephestia)*+ U -- -- -- -- -- -- -- -- U -- -- -- -- -- --
NOTE: The ON record by Riotte (1992) could not be verified. If it does occur in ON, it is probably only in association with stored products.
ficulella (Barrett, 1875) *(Ephestia)*
halfaella Roesler, 1966 *(Cadra)*
milleri (Zeller, 1876) *(Ephestia)*

***Bandera* Ragonot, 1887**
tax info: Shaffer (1968), Neunzig (1990)

800265 *binotella* (Zeller, 1872) *(Anerastia)* R -- -- -- -- BC AB -- -- ON -- -- -- -- -- --
subluteella Ragonot, 1887 *(Bandera)*
800266 *virginella* Dyar, 1908 *(Bandera)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
800267 *cupidinella* Hulst, 1888 *(Bandera)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
conspersella (Ragonot, 1901) *(Anerastia)*
venata (Hampson, 1930) *(Nasutes)*

***Tampa* Ragonot, 1887**
tax info: Shaffer (1968), Neunzig (1990)

800269 *dimediatella* Ragonot, 1887 *(Tampa)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: New for Canada, based on a specimen in the CNC.

***Varneria* Dyar, 1904**
tax info: Neunzig (1990)

800270 *postremella* Dyar, 1904 *(Varneria)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
NOTE: This new Canadian record was collected at Port Franks by KS, and verified by JFL.

***Eurythmia* Ragonot, 1887**
tax info: Neunzig (1990)

800273 *angulella* Ely, 1910 *(Eurythmia)* R -- YT -- -- BC -- SK MB ON QC -- -- NB -- PE
diffusella Ely, 1910 *(Eurythmia)*
800274 *furnella* Ely, 1910 *(Eurythmia)* R -- -- -- -- -- -- -- -- -- -- -- -- NB NS --
fumella Heinrich, 1956 *(Eurythmia)*
800275 *spaldingella* Dyar, 1905 *(Eurythmia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Erelieva* Heinrich, 1956**
tax info: Neunzig (1990)

800278 *parvulella* (Ely, 1910) *(Eurythmia)* R -- -- -- -- -- -- -- MB U QC -- -- NB NS --
NOTE: The ON record by Riotte (1992) could not be verified.

***Pima* Hulst, 1888**
tax info: Neunzig (2003)

800279 *fosterella* Hulst, 1888 *(Pima)* R -- YT -- -- BC AB SK -- -- -- -- -- -- -- --
800280 *boisduvaliella* (Guenée, 1845) *(Epischnia)* R AK -- -- -- BC AB SK MB -- -- -- -- -- -- --
farrella (Curtis, 1850) *(Anerastia)*
lefauryella (Constant, 1865) *([none])*
800281 *albiplagiatella* (Packard, 1874) *(Myelois)* R -- -- -- -- E -- -- E -- QC -- -- NB NS PE
NOTE: All records west of QC refer to *P. occidentalis*, which was considered a subspecies of *P. albiplagiatella* prior to Neunzig (2003).
800282 *occidentalis* Heinrich, 1956 *(Pima)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

800283	*fulvirugella* (Ragonot, 1887) *(Epischnia)* *vividella* (McDunnough, 1935) *(Epischnia)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--
800284	*albocostalialis* (Hulst, 1886) *(Ephestia)* *albocostalis* (Hulst, 1890) *(Epischnia)* *subcostella* (Ragonot, 1887) *(Epischnia)*	R	--	--	--	--	BC	AB	P	--	--	--	--	--	--	--	--
	***Interjectio* Heinrich, 1956** tax info: Neunzig (2003)																	
800288	*columbiella* (McDunnough, 1935) *(Ambesa)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
800289	*denticulella* (Ragonot, 1887) *(Pristophora)* *ruderella* (Ragonot, 1887) *(Epischnia)*	R	--	--	--	--	BC	--	SK	--	--	--	--	--	--	--	--
800290	*niviella* (Hulst, 1888) *(Lipographis)*	R	--	--	--	--	--	AB	SK	MB	--	--	--	--	--	--	--
	***Ambesa* Grote, 1880** tax info: Neunzig (2003)																	
800291	*laetella* Grote, 1880 *(Ambesa)*	R	--	--	--	--	BC	AB	SK	MB	ON	--	--	--	--	--	--
800292	*walsinghami* (Ragonot, 1887) *(Pristophora)* *monodon* Dyar, 1913 *(Ambesa)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
	***Catastia* Hübner, 1825** tax info: Neunzig (2003)																	
800297	*incorruscella* (Hulst, 1895) *(Pyla)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
800298	*actualis* (Hulst, 1886) *(Nephopteryx)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--
	***Immyrla* Dyar, 1906** tax info: Neunzig (2003)																	
800300	*nigrovittella* Dyar, 1906 *(Immyrla)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
	***Oreana* Hulst, 1888** tax info: Neunzig (2003)																	
800301	*unicolorella* (Hulst, 1887) *(Dioryctria)* *leucophaeella* (Hulst, 1892) *(Myelois)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	NB	NS	--
	***Salebriaria* Heinrich, 1956** tax info: Neunzig (2003)																	
800307	*nubiferella* (Ragonot, 1887) *(Salebria)* NOTE: New for Canada, based on material in the NSPM.	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--
800308	*borealis* Neunzig, 1988 *(Salebriaria)*	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--
800310	*engeli* (Dyar, 1906) *(Salebria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
800314	*tenebrosella* (Hulst, 1887) *(Nephopteryx)* *heinrichalis* (Dyar, 1917) *(Salebria)* *quercicolella* (Ragonot, 1887) *(Nephopteryx)*	R	--	--	--	--	--	--	SK	MB	ON	P	--	--	--	--	--
800324	*annulosella* (Ragonot, 1903) *(Salebria)* NOTE: New for Canada, based on material in the CNC.	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--
	***Psorosina* Dyar, 1904** tax info: Neunzig (2003)																	
800330	*hammondi* (Riley, 1872) *(Pempelia)* NOTE: Belton (1988) reported this species from BC and ON, and Neunzig (2003) reported the species from central and eastern Canada, but no Canadian vouchers, nor specific localities, are known. *angulella* Dyar, 1904 *(Psorosina)*	U	--	--	--	--	U	--	--	--	U	P	--	--	--	--	--

***Ortholepis* Ragonot, 1887**
tax info: Neunzig (2003)

800336 *jugosella* Ragonot, 1887 *(Ortholepis)* R -- -- -- -- -- -- -- -- P QC -- -- -- E --
NOTE: Heinrich's (1956) record of this species from NS is erroneous, it refers to *O. rhodorella* (Neunzig (2003).
800337 *rhodorella* McDunnough, 1958 *(Ortholepis)* R -- -- -- -- -- -- -- -- -- -- -- -- NB NS --
800338 *pasadamia* (Dyar, 1917) *(Immyrla)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS --
800339 *myricella* McDunnough, 1958 *(Ortholepis)* R -- -- -- -- U -- SK MB ON QC -- NF NB NS --
NOTE: This species ranges much further westward than reported by Neunzig (2003), at least as far as SK. BC material has not been verified.

***Polopeustis* Ragonot, 1893**
tax info: Neunzig (2003)

800341 *arctiella* (Gibson, 1920) *(Pyla)* R AK YT NT NU U AB P MB P QC LB -- -- -- --
NOTE: Known in BC from a single female specimen in the UBC collection that has been tentatively identified as this species (Pohl et al. 2015b).

***Glyptocera* Ragonot, 1889**
tax info: Neunzig (2003)

800342 *consobrinella* (Zeller, 1872) *(Nephopteryx)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS --
busckella (Dyar, 1904) *(Ambesa)*

***Meroptera* Grote, 1882**
tax info: Neunzig (2003)

800346 *cviatella* Dyar, 1905 *(Meroptera)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
800347 *pravella* (Grote, 1878) *(Pempelia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
800348 *abditiva* Heinrich, 1956 *(Meroptera)* R -- -- -- -- BC P SK -- ON QC -- -- NB NS --

***Sciota* Hulst, 1888**
tax info: Neunzig (2003)
Nephopterix Hübner, 1825
Nephopteryx of authors, [no date]

800349 *rubrisparsella* (Ragonot, 1887) *(Pristophora)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.
croceella Hulst, 1888 *(Sciota)*
rufibasella (Ragonot, 1887) *(Pristophora)*
texanella (Hulst, 1900) *(Psorosa)*
800353 *basilaris* (Zeller, 1872) *(Nephopteryx)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
800354E *tarmitalis* (Hulst, 1886) *(Pempelia)* E E E -- -- E E -- E E E -- -- -- -- --
NOTE: All records of *S. tarmitalis* in nNA refer to *S. levigatella*, which was considered a synonym under a previous taxonomic concept. According to Neunzig (2003), this species is restricted to western USA only as far north as CO and UT.
termitalis (Munroe, 1983) *(Pempelia)*
800355 *levigatella* (Hulst, 1892) *(Salebria)* R AK YT -- -- BC AB P MB ON QC -- NF P NS --
NOTE: Most historical records are under the name "*S. termitalis* (Hulst)", a misspelling of the name *tarmitalis*. It was once considered a subspecies of *S. levigatella*.
termitalis of authors (not Hulst, 1886) *(Pempelia)*
800357 *yuconella* (Dyar, 1925) *(Salebria)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --
800359E *delassalis* (Hulst, 1886) *(Nephopterix)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: Historical records of this species in western Canada are considered erroneous; Neunzig (2003) reports this species only as far north as WY.
800360 *fraudifera* (Heinrich, 1956) *(Nephopterix)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
800361 *fernaldi* (Ragonot, 1887) *(Salebria)* R -- -- -- -- BC AB SK MB U -- -- -- -- -- --
NOTE: The ON record by Riotte (1992) could not be verified.
800364 *rubescentella* (Hulst, 1900) *(Mineola)* R -- -- -- -- -- AB SK -- ON -- -- -- -- -- --
800365 *vetustella* (Dyar, 1904) *(Salebria)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
800366E *inconditella* (Ragonot, 1893) *(Salebria)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Historical reports of this species from BC by Blackmore (1923, 1924) are erroneous (Pohl et al. 2015b).
800367 *subcaesiella* (Clemens, 1860) *(Pempelia)* R -- -- -- -- E -- -- -- ON QC -- -- NB NS PE
NOTE: The historical report of this species from BC by Blackmore (1922b) is erroneous. This species is restricted to eastern NA.

contatella (Grote, 1880) *(Pempelia)*

800368 *virgatella* (Clemens, 1860) *(Pempelia)* R -- -- -- -- E -- -- U ON QC -- NF P NS --

NOTE: Reported from BC by Blackmore (1923, 1924) as *S. virgatella* subspecies *inconditella* Ragonot, but that is erroneous. Neither *Sciota virgatella* nor *S. inconditella* are known from western Canada (Pohl et al. 2014). Specimens from MB in the RSM require verification.

quinquepunctella (Grote, 1880) *(Pempelia)*

800369 *carneella* (Hulst, 1887) *(Nephopteryx)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --

inquilinella (Ragonot, 1887) *(Nephopteryx)*

800370 *celtidella* (Hulst, 1890) *(Salebria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

800371 *subfuscella* (Ragonot, 1887) *(Salebria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

semiobscurella (Hulst, 1890) *(Salebria)*

Tlascala **Hulst, 1890**

tax info: Neunzig (2003)

800374 *reductella* (Walker, 1863) *(Nephopteryx)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

gleditschiella (Fernald, 1881) *(Pempelia)*

Tulsa **Heinrich, 1956**

tax info: Neunzig (2003)

800375 *finitella* (Walker, 1863) *(Nephopteryx)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --

melanellus (Hulst, 1890) *(Elasmopalpus)*

800376 *umbripennis* (Hulst, 1895) *(Pinipestis)* R -- -- -- -- BC AB -- MB ON QC -- -- NB -- --

gillettella (Dyar, 1904) *(Ortholepis)*

800377 *oregonella* (Barnes & McDunnough, 1918) *(Tlascala)*

R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Telethusia **Heinrich, 1956**

tax info: Neunzig (2003)

800378 *ovalis* (Packard, 1873) *(Pempelia)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --

geminipunctella (Ragonot, 1893) *(Nephopteryx)*

latisfasciatella (Packard, 1873) *(Nephopteryx)*

modestella (Hulst, 1900) *(Nephopteryx)*

rhypodella (Hulst, 1887) *(Glyptoteles)*

Phobus **Heinrich, 1956**

tax info: Neunzig (2003)

800379 *brucei* (Hulst, 1895) *(Dioryctria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

800380 *funerellus* (Dyar, 1905) *(Salebria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

800382 *incertus* Heinrich, 1956 *(Phobus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Pyla **Grote, 1882**

tax info: Neunzig (2003)

800388 *fasciolalis* (Hulst, 1886) *(Pinipestis)* R -- -- -- -- BC AB -- -- -- -- E -- -- -- --

NOTE: The report of this species from LB by Forbes (1923) is erroneous, it is restricted to western NA (Neunzig 2003).

800389 *impostor* Heinrich, 1956 *(Pyla)* R -- -- -- -- BC AB -- -- ON QC LB -- -- -- --

800390 *aequivoca* Heinrich, 1956 *(Pyla)* R AK YT NT -- BC AB -- EP ON QC LB NF -- NS --

NOTE: Heinrich's (1956) MB record, based on a female from Aweme, has been corrected to *P. arenaeola*. However, the species is known from western ON and may occur in the province.

gaspeensis McDunnough, 1958 *(Pyla)*

800391 *arenaeola* Balogh & Wilterding, 1998 *(Pyla)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --

800393 *insinuatrix* Heinrich, 1956 *(Pyla)* R -- -- -- -- BC AB -- MB ON P -- -- P NS --

800394 *aenigmatica* Heinrich, 1956 *(Pyla)* R -- -- -- -- BC AB -- -- ON QC -- -- -- -- --

800395 *criddlella* Dyar, 1907 *(Pyla)* R -- YT -- -- BC AB SK MB -- -- -- -- -- -- --

800396 *fusca* (Haworth, 1828) *(Phycis)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE

annulatella (Zetterstedt, 1839) *(Phycis)*

cacabella (Hulst, 1887) *(Pinipestis)*

frigidella (Packard, 1866) *(Eudorea)*
moestella (Walker, 1863) *(Nephopteryx)*
procellariana (Walker, 1863) *(Paedisca)*
triplagiatella (Dyar, 1904) *(Salebria)*

800397 *hypochalciella* (Ragonot, 1887) *(Nephopteryx)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
blackmorella Dyar, 1921 *(Pyla)*

800398 *hanhamella* Dyar, 1904 *(Pyla)* R -- -- NT -- BC AB SK MB -- -- -- -- -- -- --

800399 *scintillans* (Grote, 1881) *(Nephopteryx)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Bowman's (1951) AB record is a misidentification of *P. aeneoviridella*.
feella Dyar, 1921 *(Pyla)*
sylphiella Dyar, 1921 *(Pyla)*

800401 *serrata* Neunzig, 2003 *(Pyla)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

800402 *rainierella* Dyar, 1904 *(Pyla)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Bowman's (1951) AB record is a misidentification.

800403E *aeneella* Hulst, 1895 *(Pyla)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Canadian records are deemed erroneous; no confirmed vouchers are known, and the species was reported only from CO and UT by Neunzig (2003).

800404 *aeneoviridella* Ragonot, 1887 *(Pyla)* R -- -- -- -- BC AB U -- -- -- -- -- -- -- --
NOTE: Specimens from SK in the RSM require verification.

800405 *metalicella* Hulst, 1895 *(Pyla)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

***Dioryctria* Zeller, 1846**

tax info: Neunzig (2003)
Dioryctroides Mutuura & Munroe, 1974

abietella group Neunzig, 2003

800409 *abietivorella* (Grote, 1878) *(Pinipestis)* R AK -- NT -- BC AB SK MB ON QC LB NF NB NS PE
elegantella (Hulst, 1892) *(Myelois)*
reniculella (Grote, 1880) *(Pinipestis)*

schuetzeella group Neunzig, 2003

800411 *reniculelloides* Mutuura & Munroe, 1973 *(Dioryctria)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical reports of the Old World species *D. abietella* in NA refer to this species.
abietella of authors (not [Denis & Schiffermüller], 1775) *(Phalaena)*

800412 *pseudotsugella* Munroe, 1959 *(Dioryctria)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

auranticella group Neunzig, 2003

800413 *auranticella* (Grote, 1883) *(Nephopteryx)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
miniatella Ragonot, 1887 *(Dioryctria)*
xanthoenobares Dyar, 1911 *(Dioryctria)*

800414 *disclusa* Heinrich, 1953 *(Dioryctria)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --

800415 *rossi* Munroe, 1959 *(Dioryctria)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

ponderosae group Neunzig, 2003

800417 *ponderosae* Dyar, 1914 *(Dioryctria)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Bowman's (1951) AB record is erroneous. This species is restricted to Ponderosa Pine (*Pinus ponderosa* Dougl. ex P. & C. Laws), which does not occur naturally in AB.

800418 *okanaganella* Mutuura, Munroe & Ross, 1969 *(Dioryctria)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- --

baumhoferi group Neunzig, 2003

800421 *pentictonella* Mutuura, Munroe & Ross, 1969 *(Dioryctria)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- --

800423 *vancouverella* Mutuura, Munroe & Ross, 1969 *(Dioryctria)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- --

zimmermani group Neunzig, 2003

800430 *zimmermani* (Grote, 1877) *(Nephopteryx)* R -- -- NT -- U AB SK MB ON QC -- -- NB NS PE
NOTE: Although Neunzig (2003) reports this species as being restricted to eastern NA, it actually occurs as far west as the eastern slopes of the Rocky Mountains. Material from NT, AB, SK and MB in the NFRC that was reared from Jack Pine (*Pinus banksiana* Lamb.) has been confirmed by A. Roe. However, BC records probably represent another western species.
austriana (Cosens, 1906) *(Retinia)*

800432 *cambiicola* (Dyar, 1914) *(Pinipestis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

800438 *resinosella* Mutuura, 1982 *(Dioryctria)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --

800439 *banksiella* Mutuura, Munroe & Ross, 1969 *(Dioryctria)*
R -- -- NT -- BC AB SK MB ON QC -- -- NB -- --

800440 *tumicolella* Mutuura, Munroe & Ross, 1969 *(Dioryctria)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- --

800441 *contortella* Mutuura, Munroe & Ross, 1969 *(Dioryctria)*
R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

800442 *monticolella* Mutuura, Munroe & Ross, 1969 *(Dioryctria)*
R -- -- -- -- BC AB P -- -- -- -- -- -- -- --

Philodema **Heinrich, 1956**
tax info: Neunzig (2003)

800451 *rhoiella* (Dyar, 1903) *(Sarata)* R AK -- -- -- P P -- -- -- -- -- -- -- -- --

Sarata **Ragonot, 1887**
tax info: Neunzig (2003)

800454 *dnopherella* Ragonot, 1887 *(Sarata)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

800455 *nigrifasciella* Ragonot, 1887 *(Sarata)* R -- -- -- -- BC -- -- MB -- -- -- -- -- -- --

800457E *atrella* (Hulst, 1890) *(Megasis)* E -- -- -- -- E -- -- E -- -- -- -- -- -- --
NOTE: Vouchers for historical BC records have been redetermined as *S. pullatella* (Pohl et al. 2015b). The historical MB records by Kearfott (1905b) and Brodie (1929) are erroneous; vouchers in the UMB Heath collection have been redetermined as *S. caudellella*. Neunzig (2003) did not report *S. atrella* from nNA at all.

800458 *caudellella* (Dyar, 1904) *(Megasis)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --

800461 *edwardsialis* (Hulst, 1886) *(Megaphysa)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
polyphemella (Ragonot, 1893) *(Megasis)*

800462 *pullatella* (Ragonot, 1887) *(Megasis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

800463 *punctella* (Dyar, 1915) *(Megasis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
septentrionaria Heinrich, 1956 *(Sarata)*

800465E *perfuscalis* (Hulst, 1886) *(Nephopteryx)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: Historical MB records are thought to refer to other *Sarata* species; Neunzig (2003) did not report *S. perfuscalis* from northeast of WA.

800466 *alpha* Heinrich, 1956 *(Sarata)* R -- -- -- -- -- -- SK MB -- -- -- -- -- -- --

Lipographis **Ragonot, 1893**
tax info: Neunzig (2003)

800474 *fenestrella* (Packard, 1873) *(Pempelia)* R -- -- -- -- -- AB P MB ON -- -- -- -- -- --
humilis Ragonot, 1887 *(Lipographis)*
leoninella (Packard, 1873) *(Pempelia)*
pallidella (Dyar, 1903) *(Pyla)*

Canarsia **Hulst, 1890**
tax info: Neunzig (2003)

800479 *ulmiarrosorella* (Clemens, 1860) *(Nephopteryx)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
discocellularis (Strand, 1920) *(Canarsiana)*
feliculella Dyar, 1907 *(Canarsia)*
fuscatella (Hulst, 1888) *(Honora)*
gracilella Hulst, 1900 *(Canarsia)*
pneumatella (Hulst, 1887) *(Stenoptycha)*
ulmella (Ragonot, 1887) *(Psorosa)*

***Elasmopalpus* Blanchard, 1852**
tax info: Neunzig (2003)

800486 *lignosellus* (Zeller, 1848) *(Pempelia)* R -- -- -- -- -- -- -- -- -- QC -- -- -- NS --
angustellus Blanchard, 1852 *(Elasmopalpus)*
anthracellus Ragonot, 1888 *(Elasmopalpus)*
carbonella (Hulst, 1888) *(Dasypyga)*
incautella (Zeller, 1872) *(Pempelia)*
major (Zeller, 1874) *(Pempelia)*
puer Dyar, 1919 *(Elasmopalpus)*
tartarella (Zeller, 1872) *(Pempelia)*

***Diviana* Ragonot, 1888**
tax info: Neunzig (2003)

800503 *eudoreella* Ragonot, 1888 *(Diviana)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a single specimen in the CNC.
edentella (Hulst, 1890) *(Dannemora)*

***Macrorrhinia* Ragonot, 1887**
tax info: Neunzig (2003)
Divitiaca Barnes & McDunnough, 1913

800508 *dryadella* (Hulst, 1892) *(Ocala)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
platanella (Grossbeck, 1917) *(Dolichorrhinia)*

***Promylea* Ragonot, 1887**
tax info: Heinrich (1956)

800512 *lunigerella* Ragonot, 1887 *(Promylea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *lunigerella* Ragonot, 1887 *(Promylea)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
b *glendella* (Dyar, 1906) *(Myelois)*

***Dasypyga* Ragonot, 1887**
tax info: Heinrich (1956)

800515 *alternosquamella* Ragonot, 1887 *(Dasypyga)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
stictophorella Ragonot, 1887 *(Dasypyga)*

***Etiella* Zeller, 1839**
tax info: Heinrich (1956)

800523 *zinckenella* (Treitschke, 1832) *(Phycis)*+ R -- -- -- -- BC P SK MB ON -- -- -- -- -- --
decipiens Staudinger, 1870 *(Etiella)*
rubribasella Hulst, 1890 *(Etiella)*
schisticolor Zeller, 1881 *(Etiella)*
spartiella Rondani, 1876 *(Etiella)*
villosella Hulst, 1887 *(Etiella)*

***Ragonotia* Grote, 1888**
tax info: Shaffer (1968)

800530 *dotalis* (Hulst, 1886) *(Anerastia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
discigerella (Ragonot, 1887) *(Ciris)*
flavipicta (Hampson, 1930) *(Psammia)*
indianella (Dyar, 1923) *(Megasis)*
megasis (Dyar, 1923) *(Megasis)*
olivella (Hulst, 1888) *(Anoristia)*
saganella Hulst, 1890 *(Ragonotia)*

***Eumysia* Dyar, 1925**
tax info: Heinrich (1956)

800533 *maidella* (Dyar, 1905) *(Yosemitia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Ancylosis* Zeller, 1839**
Cabotia Ragonot, 1888
Hulstia Ragonot, 1901
Pseudocabotia Blanchard & Knudson, 1985
Staudingeria Ragonot, 1887

800541 *albipenella* (Hulst, 1887) *(Pempelia)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
olivacella (Dyar, 1904) *(Staudingeria)*
perluteella (Dyar, 1904) *(Staudingeria)*
800542 *undulatella* (Clemens, 1860) *(Nephopteryx)* R -- -- -- -- BC AB SK MB ON QC -- -- NB U PE
NOTE: The NS record by Lafontaine et al. (2001) could not be verified.
fumosella (Hulst, 1900) *(Honora)*
oblitella (Ragonot, 1889) *(Heterographis)*
obsipella (Hulst, 1888) *(Honora)*
rubiginalis (Walker, 1865) *(Scoparia)*

***Honora* Grote, 1878**
tax info: Heinrich (1956)

800545 *mellinella* Grote, 1878 *(Honora)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
ochrimaculella Ragonot, 1887 *(Honora)*
800546 *subsciurella* Ragonot, 1887 *(Honora)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
800549 *montinatatella* (Hulst, 1887) *(Spermatophthora)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
canicostella Ragonot, 1887 *(Honora)*
800550 *perdubiella* (Dyar, 1905) *(Zophodia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Rostrolaetilia* Blanchard & Ferguson, 1975**
tax info: Neunzig (1997)

800568 *placidissima* Blanchard & Ferguson, 1975 *(Rostrolaetilia)*
U -- -- -- -- -- U -- -- -- -- -- -- -- -- --
NOTE: The sole Canadian specimen, collected by G.G. Anweiler and JTT at Onefour (AB), is in the UASM. It is not determined with certainty (Pohl et al. 2010).

***Zophodia* Hübner, 1825**
tax info: Neunzig (1997)

800580 *grossulariella* (Hübner, [1809]) *(Tinea)*‡ R -- -- -- -- BC AB SK MB ON QC P P NB P P
NOTE: Historical records of the Old World species *Z. convulutella* in NA refer to this species.
bella Hulst, 1892 *(Zophodia)*
convulutella of authors (not Hübner, 1796) *(Tinea)*
dilativitta Dyar, 1925 *(Zophodia)*
franconiella (Hulst, 1890) *(Euzophera)*
grossulariae (Riley, 1829) *(Pempelia)*
grossularialis Hübner, 1825 *(Zophodia)*
ihouna Dyar, 1925 *(Zophodia)*
magnificans Dyar, 1925 *(Zophodia)*
pallidella Lambillon, 1921 *(Zophodia)*
turbatella (Grote, 1878) *(Dakruma)*

***Melitara* Walker, 1863**
tax info: Neunzig (1997)

800591 *dentata* (Grote, 1876) *(Zophodia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

800597 *subumbrella* (Dyar, 1925) *(Olyca)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
NOTE: Report of the species *M. nephelepasa* (Dyar) from AB by Bowman (1951) refers to this species; the former does not occur north of Mexico.

Rhagea **Heinrich, 1956**
tax info: Neunzig (1997)

800614 *packardella* (Ragonot, 1887) *(Zophodia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
orobanchella (Dyar, 1904) *(Zophodia)*

Homoeosoma **Curtis, 1833**
tax info: Neunzig (1997)

800626 *electella* (Hulst, 1887) *(Anerastia)* R -- YT -- -- BC AB SK MB ON -- -- NF NB NS --
differtella Barnes & McDunnough, 1913 *(Homoeosoma)*
opalescella (Hulst, 1887) *(Ephestia)*
tenuipunctella Ragonot, 1887 *(Homoeosoma)*
texanella Ragonot, 1887 *(Homoeosoma)*

800627 *phaeoboreas* Goodson & Neunzig, 1993 *(Homoeosoma)*
R AK -- -- -- U -- -- -- -- -- -- -- -- -- --
NOTE: This species was reported from "WA to southeastern AK" by Neunzig (1997), but no BC records are known.

800628 *inornatella* (Hulst, 1900) *(Euzophera)* R -- -- -- -- -- -- -- -- -- -- -- -- NB NS --

800630 *uncanalis* Hulst, 1886 *(Homoeosoma)* U -- -- -- -- -- U -- E -- E -- -- -- -- --
NOTE: This species was reported from AB by Bowman (1951). No Canadian vouchers are known, but the species is known from high altitude locations in the Rocky Mountains of USA, and may occur in the Rocky Mountains of AB (Pohl et al. 2011). Historical records in MB and QC refer to *H. stypticella*.

800631 *stypticella* Grote, 1878 *(Homoeosoma)* R -- YT -- -- -- AB SK MB ON QC -- NF NB NS --

800634 *oslarellum* Dyar, 1905 *(Homoeosoma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

800637 *illuviella* Ragonot, 1888 *(Homoeosoma)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
candidella Hulst, 1888 *(Homoeosoma)*

800639 *albescentella* Ragonot, 1887 *(Homoeosoma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
elongellum Dyar, 1903 *(Homoeosoma)*

800640 *impressalis* Hulst, 1886 *(Homoeosoma)* R -- -- -- -- BC AB -- MB -- E -- -- -- -- --
NOTE: The QC record by Winn (1912) was deemed erroneous by Handfield et al. (1997).

800641 *deceptorium* Heinrich, 1956 *(Homoeosoma)* R -- -- -- -- -- -- SK -- ON QC -- NF NB NS --

800645 *ardaloniphas* Goodson & Neunzig, 1993 *(Homoeosoma)*
R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

Phycitodes **Hampson, 1917**
tax info: Neunzig (1997)
Rotruda Heinrich, 1956

800650 *mucidella* (Ragonot, 1887) *(Homoeosoma)* R AK YT NT -- BC AB SK MB E E -- -- -- -- --
NOTE: This species and *P. reliquellum* probably represent a single biological species, but they were treated as separate species in the most recent revision, by Neunzig (1997). As defined therein, *P. mucidella* is the taxon in western Canada.

800651 *reliquellum* (Dyar, 1904) *(Homoeosoma)* R -- -- -- -- E E -- -- ON QC -- -- NB NS --
NOTE: This species has historically been treated as a subspecies of *P. mucidella*. Neunzig (1997) treated them as distinct, but separated them only by superficial appearance and vague geographic range differences. We list this eastern taxon separately from *P. mucidella* pending formal synonymy.

tribe Anerastiini Ragonot, 1885
tax info: Shaffer (1968)

Anerastia **Hübner, 1825**

800654 *lotella* (Hübner, [1813]) *(Tinea)* R AK YT NT NU -- AB SK MB ON QC -- -- -- NS --
miniosella (Zincken, 1818) *(Phycis)*

Coenochroa **Ragonot, 1887**
Alamosa Hampson, 1901
Petaluma Hulst, 1888

800655 *californiella* Ragonot, 1887 *(Coenochroa)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
inspergella Ragonot, 1887 *(Coenochroa)*
miasticta (Hampson, 1918) *(Metacrateria)*
monomacula Dyar, 1914 *(Coenochroa)*
800656 *illibella* (Hulst, 1887) *(Petaluma)* R -- -- -- -- -- AB P -- ON -- -- -- -- -- --
piperatella (Hampson, 1901) *(Alamosa)*
puricostella Ragonot, 1887 *(Coenochroa)*

tribe Peoriini Hulst, 1890
tax info: Shaffer (1968)

***Peoria* Ragonot, 1887**

800659E *bipartitella* Ragonot, 1887 *(Peoria)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: No vouchers could be found to support the Cartwright (MB) record by Brodie (1929), so it is assumed to be erroneous.
roseopennella (Hulst, 1890) *(Volusia)*
800660 *tetradella* (Zeller, 1872) *(Anerastia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
800665 *gemmatella* (Hulst, 1887) *(Spermatophthora)* R -- -- -- -- -- -- -- MB ON -- -- -- NB NS --
bistriatella (Hulst, 1890) *(Cayuga)*
pamponerella (Dyar, 1908) *(Pectinigera)*
800670 *approximella* (Walker, 1866) *(Eurhodope)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
cremoricosta (Hampson, 1918) *(Hypsotropa)*
haematica (Zeller, 1872) *(Anerastia)*
roseatella (Packard, 1873) *(Nephopteryx)*

***Atascosa* Hulst, 1890**

800685 *glareosella* (Zeller, 1872) *(Anerastia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen collected at Port Franks (ON) by KS, identified via DNA barcoding.
albocostella (Hulst, 1900) *(Maricopa)*
bicolorella Hulst, 1890 *(Atascosa)*
chejelis (Dyar, 1919) *(Poujadia)*

***Homosassa* Hulst, 1890**

800690 *blanchardi* Shaffer, 1976 *(Homosassa)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

68. Family CRAMBIDAE Latreille, 1810 (snout moths and grass moths)

by G.R. Pohl and A.D. Macaulay

Crambids are very small to large moths, with wingspans ranging from about 10 to 100 mm, but seldom exceeding 30 mm in Nearctic species. They were historically placed within the Pyralidae. Like pyralids, they have tympanal chambers on the abdomen, but they differ from pyralids in the details of the tympanal opening. Larvae of most crambid species are borers or concealed feeders of plants. Larvae of the subfamily Acentropinae are almost all aquatic as immatures, and feed on aquatic plants or algae.

The family Crambidae is distributed around the world and contains about 9650 described species. About 875 species are known in the Nearctic region, 295 of which are reported from nNA. Several major subgroups of crambids have been revised by Munroe (1972a, 1972b, 1973b, 1976a, 1976b), but other groups are poorly known. Scholtens & Solis (2015) provide an online catalogue of world Pyraloidea.

subfamily Schoenobiinae Duponchel, 1846

***Carectocultus* Blanchard, 1975**

800695 *perstrialis* (Hübner, 1831) *(Agriphila)* R -- -- -- -- -- -- -- -- ON -- -- -- -- NS --
NOTE: New for Canada, based on material in the CNC and KS collection (ON); and from BOLD data (NS).
consortalis (Dyar, 1909) *(Argyria)*

funerellus (Hampson, 1901) *(Chilo)*
repugnatalis (Walker, 1863) *(Chilo)*
serriradiellus (Walker, 1863) *(Crambus)*

Donacaula **Meyrick, 1890**

tax info: Martinez (2010)
NOTE: This genus was revised by Martinez (2010), but that work was not a formal publication as recognized by the ICZN. We accept the interpretations of Martinez (2010) regarding previously described species, but the taxa named therein are not valid species and they are not listed herein.

800707 *sordidellus* (Zincken, 1821) *(Chilo)* R -- -- -- -- -- -- -- E ON -- -- -- -- -- --
NOTE: The MB record by Kearfott (1905b) could not be verified, and is assumed to be erroneous. It likely refers to another species not described at that time. The ON record is based on DNA barcode data.

800708 *unipunctellus* (Robinson, 1870) *(Schoenobius)* R -- -- -- -- -- -- -- E -- U -- -- -- NS --
NOTE: The MB records by Kearfott (1905b) and Brodie (1929) are assumed to be erroneous; Martinez (2010) reported this species only from eastern USA and NS. The QC records at the LFC and LEMQ are also unverified but are considered plausible (Martinez (2010) did not examine specimens from Canadian collections other than the CNC).

800709E *tripunctellus* (Robinson, 1870) *(Schoenobius)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The Cartwright (MB) record by Brodie (1929) is erroneous; vouchers in the UMB Heath collection are another *Donacaula* species. The species has been reported as far north as VT and ME, but verified records are all from southeastern USA (Martinez 2010).

800710 *melinellus* (Clemens, 1860) *(Schoenobius)* R -- -- -- -- E E E E ON E -- -- E E --
NOTE: True *D. melinellus* is known in Canada only from ON. All other records are *D. albicostellus* or *D. dispersellus*, both proposed as full species by Martinez (2010).

800711 *dispersellus* (Robinson, 1870) *(Schoenobius)* R -- -- -- -- -- AB SK MB ON QC -- -- U NS PE
NOTE: We treat this taxon as a full species following Martinez (2010), although that is not a formally recognized publication for taxonomic purposes. Material from NB was not mentioned by Martinez (2010) and is considered to be unverified.

800712 *albicostellus* (Fernald, 1888) *(Schoenobius)* R -- -- -- -- BC AB SK MB ON U -- -- -- -- --
NOTE: We treat this taxon as a full species following Martinez (2010), although that is not a formally recognized publication for taxonomic purposes.

uniformellus (Dyar, 1917) *(Schoenobius)*

800713E *aquilellus* (Clemens, 1860) *(Schoenobius)* E -- -- -- -- -- -- -- E -- E -- -- E E --
NOTE: This species has been reported from across most of Canada, but all those records refer to other species of *Donacaula* not properly delimited at the time. Martinez (2010) reports no authentic Canadian specimens of this species.

clemensellus (Robinson, 1870) *(Schoenobius)*

800715 *longirostrallus* (Clemens, 1860) *(Schoenobius)* R -- -- -- -- -- E -- -- ON QC -- -- U NS --
NOTE: As defined by Martinez (2010), this is an eastern species, so the AB records reported by Pohl et al. (2010) are deemed erroneous. No NB specimens were mentioned by Martinez, so the CNC NB records are considered to be unverified. Included herein is the taxon *Schoenobia amblyptepennis*, informally synonymized by Martinez (2010). The Old World name *Schoenobius* [=*Donacaula*] *forficella* has been used historically for this species in NA.

amblyptepennis (Dyar, 1917) *(Schoenobius)*
forficella of authors (not Thunberg, 1794) *(Tinea)*
longirostrellus of authors, [no date] *(Donacaula)*

800717 *nitidellus* (Dyar, 1917) *(Schoenobius)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: This species is known primarily from eastern USA as far north as NY, but Martinez (2010) lists two specimens confirmed from central AB.

subfamily Acentropinae Stephens, 1836

tribe Acentropiini Stephens, 1836

Acentria **Stephens, 1829**

800720 *ephemerella* ([Denis & Schiffermüller], 1775) *(Uposkoisa)*+
R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --

a *ephemerella* ([Denis & Schiffermüller], 1775) *(Uposkoisa)*
r -- -- -- -- -- ab sk mb on qc -- -- -- -- --

badensis (Nolcken, 1869) *(Acentropus)*
ephemera (Hübner, 1819) *(Setina)*
germanicus (Nolcken, 1869) *(Acentropus)*
latipennis (Möschler, 1860) *(Acentropus)*
newae (Kolenati, 1858) *(Acentropus)*
nivosa (Stephens, 1834) *(Phryganea)*
phryganea (Hübner, 1809) *(Bombyx)*
sembris (Hübner, 1809) *(Bombyx)*

tribe Nymphulini [unknown author, date]

tax info: Munroe (1972a)

Elophila Hübner, 1822

Munroessa Lange, 1956
Nymphula Schrank, 1802
Synclita Lederer, 1863

800723	*ekthlipsis* (Grote, 1876) *(Hydrocampa)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	--	NB	NS	--
800724	*icciusalis* (Walker, 1859) *(Leucochroma)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	a *icciusalis* (Walker, 1859) *(Leucochroma)*	r	--	--	--	--	bc	ab	sk	mb	on	qc	--	--	--	--	--
	formosalis (Clemens, 1860) *(Hydrocampa)*																
	genuialis (Lederer, 1863) *(Hydrocampa)*																
	b *albiplaga* (Munroe, 1972) *(Munroessa)*	r	--	--	--	--	--	--	--	--	--	--	--	--	nb	ns	pe
	c *avalona* (Munroe, 1972) *(Munroessa)*	r	--	--	--	--	--	--	--	--	--	--	lb	nf	--	--	--
800725	*faulalis* (Walker, 1859) *(Leucochroma)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	pacalis (Grote, 1881) *(Hydrocampa)*																
800727	*gyralis* (Hulst, 1886) *(Hydrocampa)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	NS	--
	dentilinea (Hampson, 1897) *(Nymphula)*																
	serralinealis (Barnes & Benjamin, 1924) *(Nymphula)*																
800728	*tinealis* (Munroe, 1972) *(Synclita)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
800729	*obliteralis* (Walker, 1859) *(Isopteryx)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
	proprialis (Fernald, 1888) *(Hydrocampa)*																
800730	*atlantica* (Munroe, 1972) *(Synclita)*	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--
800731	*occidentalis* (Lange, 1956) *(Synclita)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--

Nymphuliella Lange, 1956

800733	*daeckealis* (Haimbach, 1915) *(Diathrausta)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--
	broweri (Heinrich, 1940) *(Nymphula)*																

Parapoynx Hübner, [1825]

Paraponyx Guenée, 1854

800734	*maculalis* (Clemens, 1860) *(Sironia)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
	dispar (Grote, 1880) *(Nymphaeella)*																
	foeminalis (Dyar, 1906) *(Nymphula)*																
	masculinalis (Dyar, 1906) *(Nymphula)*																
	seminivella (Walker, 1866) *(Nephopteryx)*																
800735	*obscuralis* (Grote, 1881) *(Oligostigma)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	NS	--
800736	*badiusalis* (Walker, 1859) *(Cymoriza)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	--	NB	P	PE
	albalis (Robinson, 1869) *(Oligostigma)*																
800737	*curviferalis* (Walker, 1866) *(Oligostigma)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	--	--
800739	*allionealis* (Walker, 1859) *(Paraponyx)*	R	--	--	--	--	BC	--	--	MB	ON	QC	--	--	NB	NS	--
	aptalis Lederer, 1863 *(Parapoynx)*																
	cretacealis Lederer, 1863 *(Parapoynx)*																
	itealis (Walker, 1859) *(Hydrocampa)*																
	plenilinealis Grote, 1881 *(Parapoynx)*																

Neocataclysta Lange, 1956

800741	*magnificalis* (Hübner, 1796) *(Pyralis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	NF	NB	NS	--
	heliopalis (Clemens, 1860) *(Cataclysta)*																
	lamialis (Walker, 1859) *(Cataclysta)*																

Chrysendeton Grote, 1881

800744	*imitabilis* (Dyar, 1917) *(Elophila)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--

tribe Argyractini Lange, 1956
tax info: Munroe (1972a)

Petrophila Guilding, 1830
Parargyractis Lange, 1956

800753	*kearfottalis* (Barnes & McDunnough, 1917) *(Cataclysta)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
	kearfottalis (Dyar, 1906) *(Elophila)*																
800754	*bifascialis* (Robinson, 1869) *(Cataclysta)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--
800755	*jaliscalis* (Schaus, 1906) *(Cataclysta)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
	satanalis (Dyar, 1917) *(Elophila)*																
800757	*fulicalis* (Clemens, 1860) *(Cataclysta)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	--	--	--
	angulatalis (Lederer, 1863) *(Cataclysta)*																
800759	*canadensis* (Munroe, 1972) *(Parargyractis)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	--	--
	NOTE: This species is doubtfully distinct from *P. fulicalis*.																
800760	*confusalis* (Walker, 1866) *(Cataclysta)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
	truckeealis (Dyar, 1917) *(Elophila)*																

Eoparargyractis Lange, 1956

800767	*floridalis* Lange, 1956 *(Eoparargyractis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
800768	*plevie* (Dyar, 1917) *(Elophila)*	R	--	--	--	--	--	--	--	--	U	QC	--	--	NB	NS	--
	NOTE: The ON record by Riotte (1992) could not be verified.																

subfamily Crambinae Latreille, 1810

tribe Prionapterygini Landry, 1995
tax info: Fernald (1896)

Prionapteryx Stephens, 1834

800776	*nebulifera* Stephens, 1834 *(Prionapteryx)*	R	--	--	--	--	--	--	--	MB	ON	--	--	--	--	--	--

Pseudoschoenobius Fernald, 1896

800784	*opalescalis* (Hulst, 1886) *(Schoenobius)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--
	griseosparsa (Hampson, 1896) *(Prionapteryx)*																

tribe Haimbachiini Landry, 1995
tax info: Dyar & Heinrich (1927)

Thopeutis Hübner, 1818
tax info: Fernald (1896)

800785	*forbesellus* (Fernald, 1896) *(Chilo)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	--	--

Occidentalia Dyar & Heinrich, 1927
tax info: Fernald (1896), Dyar & Heinrich (1927)

800786	*comptulatalis* (Hulst, 1886) *(Crambus)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	NS	--

Xubida Schaus, 1922
tax info: Klots (1970)

800788	*panalope* (Dyar, 1917) *(Platytes)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	NS	--
	acerata (Dyar, 1917) *(Platytes)*																

***Haimbachia* Dyar, 1909**
tax info: Dyar & Heinrich (1927), Capps (1965)

800799 *discalis* Dyar & Heinrich, 1927 *(Haimbachia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Port Franks (ON), collected recently by KS.

***Eoreuma* Ely, 1910**
tax info: Klots (1970)

800805 *densella* (Zeller, 1881) *(Chilo)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
800811 *crawfordi* Klots, 1970 *(Eoreuma)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

tribe Argyriini Munroe, 1995

***Argyria* Hübner, 1818**
Vaxi Bleszynski, 1962

800814 *rufisignella* Zeller, 1872 *(Argyria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on two specimens in the CNC.
rileyella Dyar, 1914 *(Argyria)*
800819 *auratella* (Clemens, 1860) *(Crambus)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
pulchella (Walker, 1863) *(Urola)*
800820 *critica* Forbes, 1920 *(Argyria)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

***Urola* Walker, 1863**

800821 *nivalis* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
argentata (Emmons, 1854) *(Geometra)*
microchrysella Walker, 1863 *(Urola)*

tribe Chilonini Heinemann, 1865
tax info: Dyar & Heinrich (1927)

***Chilo* Zincken, 1817**
tax info: Bleszynski (1970)

800831 *plejadellus* Zincken, 1821 *(Chilo)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
oryzaeelus Riley, 1882 *(Chilo)*
prolatella (Grote, 1881) *(Diphryx)*
sabulifera (Walker, 1863) *(Jartheza)*
800833 *demotella* Walker, 1866 *(Chilo)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
fernaldalis Dyar & Heinrich, 1927 *(Chilo)*
idalis (Fernald, 1896) *(Diatraea)*

tribe Crambini Latreille, 1810

***Euchromius* Guenée, 1845**
tax info: Capps (1966)

800842 *ocellea* (Haworth, 1811) *(Palparia)*+ R -- -- -- -- E E -- -- ON QC -- -- -- NS --
NOTE: Western Canadian records of this species refer to *E. californicalis*, but *E. ocellea* was reported recently from ON (The Lepidopterists' Society 2006) and QC (The Lepidopterists' Society 2007). The NS record is a recent photograph by F. McEvoy, confirmed by GRP.
qadrii (Ahmad, Zaidi, & Kamaluddin, 1982) *(Pseudoancylolomia)*
texana (Robinson, 1870) *(Eromene)*
800843 *californicalis* (Packard, 1873) *(Eromene)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

***Platytes* Guenée, 1845**
tax info: Landry (1995)

800844 *vobisne* Dyar, 1920 *(Platytes)* R -- -- -- -- -- AB -- -- ON EP -- -- -- -- --
NOTE: The QC record by Pohl et al. (2005) is erroneous, but the species is expected there.

***Catoptria* Hübner, 1825**
tax info: Fernald (1896)

800845 *trichostomus* (Christoph, 1858) *(Crambus)** R AK YT NT NU BC AB -- MB -- QC LB NF -- -- --
albisinuatellus (Packard, 1867) *(Crambus)*
tristis Kirpichnikova, 1994 *(Catoptria)*
800846 *maculalis* (Zetterstedt, 1840) *(Scopula)** R -- YT P -- BC AB -- -- -- QC LB -- -- -- --
albimaculella (Burmann, 1948) *(Crambus)*
albisignata (Burmann, 1948) *(Crambus)*
800847 *latiradiellus* (Walker, 1863) *(Crambus)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
NOTE: The Old World names *Catoptria luctiferella*, *C. luctuellus* Herrich-Schäffer, and *C. myellus* have been used in NA by early workers to refer to this species.
interruptus (Grote, 1877) *(Crambus)*
luctiferella of authors (not Hübner, 1813) *(Tinea)*
myellus of authors (not Hübner, 1796) *(Crambus)*
800848 *oregonica* (Grote, 1880) *(Crambus)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
bartellus (Barnes & McDunnough, 1918) *(Crambus)*

***Thaumatopsis* Morrison, 1874**
tax info: Fernald (1896)

pexellus group Landry, 1995

800850 *pexellus* (Zeller, 1863) *(Crambus)* R -- -- -- -- BC AB SK MB ON QC -- -- NB P --
a *pexellus* (Zeller, 1863) *(Crambus)*
longipalpus Morrison, 1874 *(Thaumatopsis)*
macropterellus (Zeller, 1863) *(Crambus)*
b *gibsonella* Kearfott, 1908 *(Thaumatopsis)* r -- -- -- -- -- -- u u on qc -- -- nb p --
c *coloradella* Kearfott, 1908 *(Thaumatopsis)* r -- -- -- -- bc ab u u -- -- -- -- -- -- --
d *strictalis* (Dyar, 1914) *(Ubida)*
idion Dyar, 1919 *(Thaumatopsis)*

fernaldella group Landry, 1995

800852 *fernaldella* Kearfott, 1905 *(Thaumatopsis)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
a *fernaldella* Kearfott, 1905 *(Thaumatopsis)*
b *nortella* Kearfott, 1905 *(Thaumatopsis)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --
c *lagunella* Dyar, 1912 *(Thaumatopsis)*

bolterellus group Landry, 1995

800856 *repandus* (Grote, 1880) *(Crambus)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

pectinifer group Landry, 1995

800860 *pectinifer* (Zeller, 1877) *(Crambus)* R -- -- -- -- -- -- -- U ON -- -- -- -- -- --
NOTE: The Aweme, MB record by Brodie (1929) could not be verified.
800862 *solutellus* (Zeller, 1863) *(Crambus)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
daeckeellus Kearfott, 1903 *(Thaumatopsis)*
striatella Fernald, 1896 *(Thaumatopsis)*

***Tehama* Hulst, 1888**
tax info: Fernald (1896), Landry (1995)

800863 *bonifatella* (Hulst, 1887) *(Spermatophthora)* R AK YT NT NU BC AB -- MB -- QC LB NF -- NS --
inornatellus (Walker, 1863) *(Crambus)*
nevadellus (Kearfott, 1908) *(Crambus)*

***Fissicrambus* Bleszynski, 1963**
tax info: Fernald (1896)

800870 *mutabilis* (Clemens, 1860) *(Crambus)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
fuscicostella (Zeller, 1863) *(Crambus)*

***Microcrambus* Bleszynski, 1963**
tax info: Klots (1968)

800874 *biguttellus* (Forbes, 1920) *(Crambus)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
800875 *elegans* (Clemens, 1860) *(Crambus)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
terminellus (Zeller, 1863) *(Crambus)*
800877 *minor* (Forbes, 1920) *(Crambus)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
800879 *kimballi* Klots, 1968 *(Microcrambus)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a single record from Point Pelee (ON), in the BOLD database.

***Loxocrambus* Forbes, 1920**

800882E *coloradellus* (Fernald, 1893) *(Crambus)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Kearfott (1905b) refers to *L. awemensis*, described in 1929. *Loxocrambus coloradellus* is not known to occur north of SD.
800885 *awemensis* McDunnough, 1929 *(Loxocrambus)* R -- -- -- -- -- AB SK MB ON -- -- -- -- -- --

***Neodactria* Landry, 1995**
tax info: Fernald (1896)

800887 *luteolellus* (Clemens, 1860) *(Crambus)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
a *luteolellus* (Clemens, 1860) *(Crambus)*
duplicatus (Grote, 1880) *(Crambus)*
holochrellus (Fernald, 1896) *(Crambus)*
b *refotalis* (Hulst, 1886) *(Crambus)*
edredellus (Schaus, 1922) *(Crambus)*
ulae (Cockerell, 1888) *(Crambus)*
800888 *zeellus* (Fernald, 1885) *(Crambus)* R -- -- -- -- -- AB SK MB ON QC -- -- -- NS --
800889 *caliginosellus* (Clemens, 1860) *(Crambus)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE
800890 *murellus* (Dyar, 1904) *(Crambus)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
NOTE: Although Handfield (2002) discounted the QC record by Handfield et al. (1997), DNA barcoding reveals that this species does indeed occur there and across much of Canada.
simpliciellus (Kearfott, 1908) *(Crambus)*

***Arequipa* Walker, 1863**
tax info: Fernald (1896), Landry (1995)

800896 *turbatella* Walker, 1863 *(Arequipa)* R -- -- -- -- -- -- -- U ON QC -- -- -- NS --
NOTE: Specimens from MB in the RBCM require verification.
bipunctellus (Zeller, 1863) *(Crambus)*

***Pediasia* Hübner, 1825**
tax info: Fernald (1896)

800897 *aridella* (Thunberg, 1788) *(Tinea)*‡ R AK -- NT -- BC AB SK MB -- QC -- -- -- -- --
b *edmontellus* (McDunnough, 1923) *(Crambus)* r ak -- nt -- bc ab sk mb -- qc -- -- -- -- --

800898	*truncatellus* (Zetterstedt, 1840) *(Chilo)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	--	--	--	--		
	lienigiellus (Zeller, 1863) *(Crambus)*																		
	obtrusella (Walker, 1863) *(Crambus)*																		
	rufinalis (Walker, 1865) *(Hypena)*																		
800899	*browerellus* (Klots, 1942) *(Crambus)*	R	AK	YT	NT	NU	BC	AB	--	MB	--	QC	--	--	--	--	--		
	a *browerellus* (Klots, 1942) *(Crambus)*																		
	b *katahdini* (Klots, 1942) *(Crambus)*																		
800900	*trisecta* (Walker, 1856) *(Carvanca)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE		
	biliturellus (Zeller, 1874) *(Crambus)*																		
	exsiccatus (Zeller, 1863) *(Crambus)*																		
	fuscisquamellus (Zeller, 1863) *(Crambus)*																		
	interminellus (Walker, 1863) *(Crambus)*																		
800901	*laciniellus* (Grote, 1880) *(Crambus)*	R	--	--	--	--	--	AB	SK	--	--	QC	--	--	--	--	--		
800902	*ericellus* (Barnes & McDunnough, 1918) *(Crambus)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--		
800903	*abnaki* (Klots, 1942) *(Crambus)*	R	--	--	--	--	--	AB	P	MB	ON	QC	--	--	NB	NS	--		
800904	*dorsipunctellus* (Kearfott, 1908) *(Crambus)*	R	--	--	--	--	BC	AB	SK	MB	ON	--	--	--	--	U	--		
	NOTE: The NS record by Lafontaine et al. (2001) could not be verified.																		
	geminatellus (Zeller, 1863) *(Crambus)*																		

Parapediasia Bleszynski, 1966

tax info: Fernald (1896)

800907	*teterrellus* (Zincken, 1821) *(Chilo)*	R	AK	--	--	--	--	--	--	--	ON	P	--	--	--	NS	--		
	camurellus (Clemens, 1860) *(Crambus)*																		

Raphiptera Hampson, 1896

tax info: Fernald (1896), Landry (1995)

800913	*argillaceellus* (Packard, 1867) *(Crambus)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	LB	--	NB	NS	--		
	a *argillaceellus* (Packard, 1867) *(Crambus)*	r	--	--	--	--	bc	ab	--	mb	u	u	lb	--	nb	ns	--		
	b *minimellus* (Robinson, 1870) *(Crambus)*	u	--	--	--	--	--	--	--	--	u	u	--	--	--	--	--		

Agriphila Hübner, 1825

tax info: Fernald (1896)

800914	*biarmicus* (Tengström, 1865) *(Crambus)**	R	--	--	--	--	--	AB	SK	--	--	--	LB	--	--	--	--		
	b *paganellus* (McDunnough, 1925) *(Crambus)*	r	--	--	--	--	--	ab	--	--	--	--	--	--	--	--	--		
800915	*straminella* ([Denis & Schiffermüller], 1775) *(Tinea)**	R	--	--	--	--	BC	--	--	--	--	--	--	NF	--	--	--		
	marginellus (Stephens, 1834) *(Tinea)*																		
	subarcticellus (Strand, 1920) *(Crambus)*																		
800916	*plumbifimbriellus* (Dyar, 1904) *(Crambus)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--		
800918	*ruricolellus* (Zeller, 1863) *(Crambus)*	R	AK	YT	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE		
	canadellus (Haimbach, 1930) *(Crambus)*																		
800922	*vulgivagellus* (Clemens, 1860) *(Crambus)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE		
	aurifimbrialis (Walker, 1863) *(Crambus)*																		
	chalybirostris (Zeller, 1863) *(Crambus)*																		
800923	*attenuatus* (Grote, 1880) *(Crambus)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--		

Chrysoteuchia Hübner, 1825

tax info: Fernald (1896), Landry (1995)

800926	*topiarius* (Zeller, 1866) *(Crambus)*	R	AK	P	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE		
	NOTE: Historical records of the Old World species *Crambus hortuellus* in NA refer to this species.																		
	a *topiarius* (Zeller, 1866) *(Crambus)*	r	--	--	--	--	--	--	--	u	on	qc	lb	nf	nb	ns	pe		
	b *vachellellus* (Kearfott, 1903) *(Crambus)*	r	ak	p	nt	--	bc	ab	sk	mb	--	--	--	--	--	--	--		
	hortuellus of authors (not Hübner, 1796) *(Crambus)*																		

Crambus Fabricius, 1798

tax info: Fernald (1896)

800927	*pascuella* (Linnaeus, 1758) *(Phalaena)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE	
	b *floridus* Zeller, 1872 *(Crambus)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	pe	
800928	*hamella* (Thunberg, 1794) *(Tinea)**	R	AK	YT	NT	--	BC	AB	--	MB	ON	QC	LB	NF	--	NS	--	
	b *carpenterellus* Packard, 1872 *(Crambus)*	r	ak	yt	nt	--	bc	ab	--	mb	on	qc	lb	nf	--	ns	--	
800929	*alienellus* (Zincken, 1817) *(Chilo)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--	
	b *labradoriensis* Christoph, 1858 *(Crambus)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	lb	nf	nb	u	--	
	moestellus Walker, 1863 *(Crambus)*																	
	c *dissectus* Grote, 1880 *(Crambus)*	u	--	--	--	--	--	--	--	--	u	u	--	--	u	u	--	
800930	*bidens* Zeller, 1872 *(Crambus)*	R	AK	--	--	--	BC	AB	--	MB	ON	QC	--	NF	NB	NS	E	
	NOTE: The PE record by Lafontaine et al. (2001) is a database error.																	
800931	*perlella* (Scopoli, 1763) *(Phalaena)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE	
	b *innotatellus* Walker, 1863 *(Crambus)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	pe	
	inornatellus Clemens, 1864 *(Crambus)*																	
	sericinellus Zeller, 1863 *(Crambus)*																	
800932	*unistriatellus* Packard, 1867 *(Crambus)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE	
	exesus Grote, 1880 *(Crambus)*																	
800933	*whitmerellus* Klots, 1942 *(Crambus)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	NB	--	--	
	NOTE: Prior to Klots (1942), this species was reported in NA under the Old World name *C. dumetellus*.																	
	a *whitmerellus* Klots, 1942 *(Crambus)*																	
	dumetellus of authors not Hübner, 1813 *(Crambus)*																	
	b *browni* Klots, 1942 *(Crambus)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	--	--	nb	--	--	
800934	*tutillus* McDunnough, 1921 *(Crambus)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
800935	*awemellus* McDunnough, 1921 *(Crambus)*	R	--	--	--	--	--	AB	SK	MB	U	QC	--	NF	--	--	--	
	NOTE: The ON record by Riotte (1992) could not be verified.																	
800936	*lyonsellus* Haimbach, 1915 *(Crambus)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	NF	--	NS	--	
800937	*youngellus* Kearfott, 1908 *(Crambus)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
800939E	*gausapalis* Hulst, 1886 *(Crambus)*	E	--	--	--	--	E	--	--	--	--	--	--	--	--	--	--	
	NOTE: The BC record by ESBC (1906) is erroneous, this species does not occur in Canada.																	
800940	*trichusalis* Hulst, 1886 *(Crambus)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--	
800941	*cockleellus* Kearfott, 1908 *(Crambus)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	
800942	*ainsliellus* Klots, 1942 *(Crambus)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	NS	--	
800943	*praefectellus* (Zincken, 1821) *(Chilo)*	R	--	--	--	--	BC	AB	--	MB	ON	QC	LB	NF	NB	NS	PE	
	a *praefectellus* (Zincken, 1821) *(Chilo)*																	
	involutellus Clemens, 1860 *(Crambus)*																	
	b *oslarellus* Haimbach, 1908 *(Crambus)*																	
800945	*leachellus* (Zincken, 1818) *(Chilo)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--	
	hastiferellus Walker, 1863 *(Crambus)*																	
	lativittellus Zeller, 1863 *(Crambus)*																	
	pulchellus Zeller, 1863 *(Crambus)*																	
800946	*cypridalis* Hulst, 1886 *(Crambus)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
800947	*occidentalis* Grote, 1880 *(Crambus)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	
	agricolellus Dyar, 1923 *(Crambus)*																	
800949	*albellus* Clemens, 1860 *(Crambus)*	R	--	--	--	--	--	--	SK	MB	ON	QC	LB	NF	NB	NS	PE	
800950	*agitatellus* Clemens, 1860 *(Crambus)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	P	NB	NS	PE	
	alboclavellus Zeller, 1863 *(Crambus)*																	
	carolinellus Haimbach, 1915 *(Crambus)*																	
800951	*saltuellus* Zeller, 1863 *(Crambus)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	NF	NB	NS	PE	
800952	*multilinellus* Fernald, 1887 *(Crambus)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	
	NOTE: New for Canada, based on a specimen from Port Franks (ON), collected recently by KS.																	
800953	*girardellus* Clemens, 1860 *(Crambus)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	NF	NB	NS	PE	
	nivihumellus Walker, 1863 *(Crambus)*																	
800954	*watsonellus* Klots, 1942 *(Crambus)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--	
800957	*quinquareatus* Zeller, 1877 *(Crambus)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	
	NOTE: New for Canada, based on a specimen in the CNC.																	
	argentictus Hampson, 1919 *(Crambus)*																	
	extorralis Hulst, 1886 *(Crambus)*																	

800966	*laqueatellus* Clemens, 1860 *(Crambus)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--
	semifusellus Walker, 1863 *(Crambus)*																

subfamily Scopariinae Guenée, 1854

tax info: Munroe (1972a)

Gesneria Hübner, 1825

800969	*centuriella* ([Denis & Schiffermüller], 1775) *(Tinea)**	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	b *caecalis* (Walker, 1858) *(Hypena)*	r	--	--	nt	--	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	pe
	borealis (Duponchel, 1835) *(Eudorea)*																
	caliginosalis (Walker, 1866) *(Scopula)*																
	c *beringiella* Munroe, 1972 *(Gesneria)*	r	ak	yt	nt	nu	bc	--	--	--	--	--	--	--	--	--	--
	d *ninguidalis* (Hulst, 1886) *(Scoparia)*																

Cosipara Munroe, 1972

800971	*tricoloralis* (Dyar, 1904) *(Scoparia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--

Scoparia Haworth, 1812

800977	*palloralis* Dyar, 1906 *(Scoparia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
	cervalis McDunnough, 1927 *(Scoparia)*																
	obispalis Dyar, 1906 *(Scoparia)*																
800982	*biplagialis* Walker, 1866 *(Scoparia)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	a *biplagialis* Walker, 1866 *(Scoparia)*	r	--	--	--	--	--	ab	sk	mb	on	--	--	--	--	--	--
	libella Grote, 1878 *(Scoparia)*																
	b *bellaeislae* Munroe, 1972 *(Scoparia)*	r	--	--	--	--	--	--	--	--	--	qc	lb	nf	nb	ns	pe
	c *fernaldalis* Dyar, 1904 *(Scoparia)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--
	d *pacificalis* Dyar, 1921 *(Scoparia)*	r	ak	yt	nt	--	bc	--	--	--	--	--	--	--	--	--	--
	alaskalis Barnes & Benjamin, 1922 *(Scoparia)*																
	e *afognakalis* Munroe, 1972 *(Scoparia)*	r	ak	--	--	--	--	--	--	--	--	--	--	--	--	--	--
800983	*penumbralis* Dyar, 1906 *(Scoparia)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	NF	NB	NS	PE
800984	*cinereomedia* Dyar, 1904 *(Scoparia)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	NS	--
	truncatalis McDunnough, 1922 *(Scoparia)*																
800985	*basalis* Walker, 1866 *(Scoparia)*	R	--	--	--	--	U	U	U	U	ON	QC	--	NF	NB	NS	PE

NOTE: The species has been reported from across Canada, but western records likely refer to *S. biplagialis*. Munroe (1972a) suggested that *S. basalis* might be conspecific with *S. cinereomedia*, and did not clearly define its range.

Eudonia Billberg, 1820

800988	*rectilinea* (Zeller, 1874) *(Scoparia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
	nominatalis (Hulst, 1886) *(Scoparia)*																
	refugalis (Hulst, 1886) *(Scoparia)*																
800989	*commortalis* (Dyar, 1921) *(Scoparia)*	R	AK	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
800990	*expallidalis* (Dyar, 1906) *(Scoparia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
	rufitinctalis (Hampson, 1907) *(Scoparia)*																
800992	*torniplagalis* (Dyar, 1904) *(Scoparia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
	a *torniplagalis* (Dyar, 1904) *(Scoparia)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--
	b *alialis* (Barnes & McDunnough, 1912) *(Scoparia)*																
	c *perfectalis* Munroe, 1972 *(Eudonia)*																
800993	*albertalis* (Dyar, 1929) *(Scoparia)*	R	AK	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--
800994	*vivida* Munroe, 1972 *(Eudonia)*	R	--	--	--	--	BC	AB	--	--	--	QC	LB	NF	NB	NS	--
800995	*spaldingalis* (Barnes & McDunnough, 1912) *(Scoparia)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
800996	*spenceri* Munroe, 1972 *(Eudonia)*	R	AK	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
801000	*leucophthalma* (Dyar, 1929) *(Scoparia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
	a *leucophthalma* (Dyar, 1929) *(Scoparia)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--
	b *petaluma* Munroe, 1972 *(Eudonia)*																

801001	*echo* (Dyar, 1929) *(Scoparia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
	a *echo* (Dyar, 1929) *(Scoparia)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--	--	--
	b *gartrelli* Munroe, 1972 *(Eudonia)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--	--	--
801003	*alpina* (Curtis, 1850) *(Eudorea)**	R	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE		
	a *alpina* (Curtis, 1850) *(Eudorea)*	r	ak	yt	nt	nu	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	pe		
	borealis (Tengström, 1848) *(Eudorea)*																		
	gracilalis (Stainton, 1855) *(Eudorea)*																		
	japanalpina Inoue, 1982 *(Eudonia)*																		
	lapponica (Caradja, 1916) *(Scoparia)*																		
	lugubralis (Walker, 1866) *(Scoparia)*																		
	persimilalis (McDunnough, 1961) *(Eudoria)*																		
	phycitinalis (Dyar, 1929) *(Scoparia)*																		
	b *madgei* Munroe, 1972 *(Eudonia)*	r	ak	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
801004	*strigalis* (Dyar, 1906) *(Scoparia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	PE		
801005	*heterosalis* (McDunnough, 1961) *(Eudoria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	NF	NB	NS	--		

subfamily Glaphyriinae Forbes, 1923

tax info: Munroe (1972b, 1973b)

tribe Glaphyriini Forbes, 1923

Eustixia Hübner, 1823

801017	*pupula* Hübner, 1823 *(Eustixia)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	--	--

Hellula Grote, 1854

801018	*rogatalis* (Hulst, 1886) *(Botis)*	S	--	--	--	--	--	--	--	--	U	P	--	--	S	S	--		

NOTE: The ON record by Riotte (1992) could not be verified. This species was listed as "expected" in QC by Handfield et al. (1997).

undalis of authors (not Fabricius, 1781) *(Phalaena)*

Glaphyria Hübner, 1823

801023	*glaphyralis* (Guenée, 1854) *(Homophysa)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	--	--
	albolineata (Grote & Robinson, 1867) *(Lipocosma)*																		
	stipatalis (Walker, 1866) *(Scopula)*																		
801024	*sequistrialis* Hübner, 1823 *(Glaphyria)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--
801028	*cappsi* Munroe, 1972 *(Glaphyria)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	--	--

NOTE: New for Canada, based on a specimen from Sudbury (ON), in the BOLD database.

Aethiophysa Munroe, 1964

801032	*invisalis* (Guenée, 1854) *(Ebulea)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--	--	--
	lentiflualis (Zeller, 1872) *(Homophysa)*																		

Xanthophysa Munroe, 1964

801035	*psychialis* (Hulst, 1886) *(Botis)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	--	--

Abegesta Munroe, 1964

801036E	*reluctalis* (Hulst, 1886) *(Orobena)*	E	--	--	--	--	--	--	--	--	E	--	--	--	--	--	--	--	--

NOTE: No vouchers could be found to support the ON record by Riotte (1992). That record is hereby deemed erroneous; this species is otherwise known only from southern USA (Munroe 1972b).

Stegea Munroe, 1964

801044	*eripalis* (Grote, 1878) *(Homophysa)*	R	--	--	--	--	E	--	--	--	ON	--	--	--	--	--	--	--	--

NOTE: Historical BC records are erroneous, and likely refer to *S. salutalis* (Pohl et al. 2015b).

801045	*salutalis* (Hulst, 1886) *(Botis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
	a *salutalis* (Hulst, 1886) *(Botis)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--			
	b *ochralis* (Haimbach, 1908) *(Symphysa)*																			
	c *grisealis* Munroe, 1972 *(Stegea)*																			
	d *riparialis* Munroe, 1972 *(Stegea)*																			
	***Nephrogramma* Munroe, 1964**																			
801047	*reniculalis* (Zeller, 1872) *(Homophysa)*	U	--	--	--	--	--	--	--	--	U	--	--	--	--	--	--			
	NOTE: The ON record by Riotte (1992) could not be verified. However, the species is known from IL and may well occur in southern ON.																			
	***Lipocosma* Lederer, 1863**																			
	Lipocosmopsis Munroe, 1964																			
801055	*sicalis* (Walker, 1859) *(Leucinodes)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--			
	perfusalis (Walker, 1866) *(Pyralis)*																			
801058	*intermedialis* Barnes & McDunnough, 1912 *(Lipocosma)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--			
	***Lipocosmodes* Munroe, 1964**																			
801062	*fuliginosalis* (Fernald, 1888) *(Lipocosma)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--			
	***Dicymolomia* Zeller, 1872**																			
801063	*julianalis* (Walker, 1859) *(Cataclysta)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	--			
	decora Zeller, 1872 *(Dicymolomia)*																			
801066	*metalliferalis* (Packard, 1873) *(Calaclysta)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
	sauberi Hedemann, 1883 *(Dicymolomia)*																			
	***Chalcoela* Zeller, 1872**																			
801069	*iphitalis* (Walker, 1859) *(Cataclysta)*	R	--	--	--	--	BC	--	--	--	ON	QC	--	--	--	--	--			
	aurifera Zeller, 1872 *(Chalcoela)*																			
801070	*pegasalis* (Walker, 1859) *(Cataclysta)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--			
	discedalis Möschler, 1890 *(Chalcoela)*																			
	egressalis (Walker, 1866) *(Cataclysta)*																			
	principalis (Walker, 1866) *(Cataclysta)*																			
	robinsonii (Grote, 1871) *(Cataclysta)*																			
	***Evergestis* Hübner, 1825**																			
801071	*pallidata* (Hufnagel, 1767) *(Phalaena)*‡	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE			
	elutalis (Hübner, 1796) *(Pyralis)*																			
	eunusalis (Walker, 1859) *(Pionea)*																			
	stramentalis (Hübner, 1825) *(Mesographe)*																			
	straminalis (Hübner, 1793) *(Phalaena)*																			
801075	*unimacula* (Grote & Robinson, 1867) *(Asopia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--			
801078	*simulatilis* (Grote, 1880) *(Aedis)*	R	--	YT	NT	--	BC	AB	SK	--	--	--	--	--	--	--	--			
	brunneogrisea (Edwards, 1886) *(Prorasea)*																			
801080	*vinctalis* Barnes & McDunnough, 1914 *(Evergestis)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--			
	a *vinctalis* Barnes & McDunnough, 1914 *(Evergestis)*																			
	b *muricoloralis* Munroe, 1974 *(Evergestis)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--			
801081	*palousalis* Munroe, 1974 *(Evergestis)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--			
	a *palousalis* Munroe, 1974 *(Evergestis)*																			
	b *obscuralias* Munroe, 1995 *(Evergestis)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--			
	obscuralis Barnes & McDunnough, 1914 *(Evergestis)*																			

801083 *funalis* (Grote, 1878) *(Aedis)* R AK -- -- -- BC U -- -- -- -- -- -- -- -- --
NOTE: The sole AB specimen (a female in the UASM) cannot be identified with certainty (Pohl et al. 2010).
a *funalis* (Grote, 1878) *(Aedis)*
b *insulalis* Barnes & McDunnough, 1914 *(Evergestis)*
r -- -- -- -- bc -- -- -- -- -- -- -- -- --
c *columbialis* Munroe, 1974 *(Evergestis)* r ak -- -- -- bc u -- -- -- -- -- -- -- -- --
d *angelina* Munroe, 1974 *(Evergestis)*
e *wallacensis* Munroe, 1974 *(Evergestis)*
801084 *subterminalis* Barnes & McDunnough, 1914 *(Evergestis)*
R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --

***Prorasea* Grote, 1878**

801090 *simalis* Grote, 1878 *(Prorasea)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
801092 *praeia* (Dyar, 1917) *(Cornifrons)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

***Cylindrifrons* Munroe, 1951**

801098 *succandidalis* (Hulst, 1886) *(Botis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
simplex (Warren, 1895) *(Cavifrons)*

***Orenaia* Duponchel, 1844**

801099 *trivialis* Barnes & McDunnough, 1914 *(Orenaia)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
subargentalis (Barnes & McDunnough, 1918) *(Titanio)*
801100E *coloradalis* Barnes & McDunnough, 1914 *(Orenaia)* E -- -- E -- -- -- -- -- -- -- -- -- -- -- --
NOTE: Material reported by Munroe (1956a) from NT was later described by Munroe (1973b) as a new species, *O. arcticalis*. True *O. coloradalis* does not occur in nNA.
801101 *arcticalis* Munroe, 1974 *(Orenaia)* R AK YT NT NU -- -- -- -- -- P -- -- -- -- --
801103 *alticolalis* (Barnes & McDunnough, 1914) *(Titanio)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
801104 *pallidivittalis* Munroe, 1956 *(Orenaia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

subfamily Odontiinae Guenée, 1854

tax info: Munroe (1961, 1972b)

tribe Odontiini Guenée, 1854

***Microtheoris* Meyrick, 1932**

801132 *ophionalis* (Walker, 1859) *(Rhodaria)* R -- -- -- -- BC -- -- -- ON QC -- -- -- -- --
a *ophionalis* (Walker, 1859) *(Rhodaria)*
nasonialis (Zeller, 1873) *(Botis)*
sesquialteralis (Zeller, 1873) *(Botis)*
b *lacustris* Munroe, 1961 *(Microtheoris)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
c *eremica* Munroe, 1961 *(Microtheoris)*
d *baboquivariensis* Munroe, 1961 *(Microtheoris)*
e *occidentalis* Munroe, 1961 *(Microtheoris)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

***Frechinia* Munroe, 1961**

801138 *criddlealis* (Munroe, 1951) *(Titanio)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

***Anatralata* Munroe, 1961**

801151 *versicolor* (Warren, 1892) *(Aporodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

tribe Eurrhypini Leraut & Luquet, 1983

Mimoschinia Warren, 1892

801155 *rufofascialis* (Stephens, 1834) *(Ennychia)** R -- -- -- -- BC AB SK -- ON -- -- -- -- -- --
a *rufofascialis* (Stephens, 1834) *(Ennychia)*
thalialis (Walker, 1859) *(Botys)*
b *novalis* (Grote, 1876) *(Emprepes)* r -- -- -- -- bc ab sk -- on -- -- -- -- -- --
c *decorata* (Druce, 1898) *(Eustrotia)*
d *nuchalis* (Grote, 1878) *(Emprepes)*

Cliniodes Guenée, 1854

Procliniodes Hayden, 2011

801160 *ostreonalis* (Grote, 1882) *(Metrea)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
urticaloides (Fyles, 1894) *(Botys)*

subfamily Spilomelinae Guenée, 1854

Syllepte group Shaffer & Solis, 1995

Diastictis Hübner, 1818

tax info: Munroe (1956b)

801164E *argyralis* Hübner, 1818 *(Diastictis)* E -- -- -- -- -- E -- E -- -- -- -- -- -- --
NOTE: Historical records in Canada refer to *D. ventralis*. *Diastictis argyralis* was once considered to be a subspecies of *D ventralis*.
801166 *ventralis* (Grote & Robinson, 1867) *(Botys)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
a *ventralis* (Grote & Robinson, 1867) *(Botys)*
b *seamansi* Munroe, 1956 *(Diastictis)* r -- -- -- -- bc ab sk mb on qc -- -- -- -- --

Framinghamia Strand, 1920

801173 *helvalis* (Walker, 1859) *(Pionea)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
botys Strand, 1920 *(Framinghamia)*
gyralis (Hulst, 1886) *(Botis)*
oscitalis (Grote, 1880) *(Botis)*

Lygropia Lederer, 1863

801177 *rivulalis* Hampson, 1898 *(Lygropia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
nymphulalis (Haimbach, 1908) *(Blepharomastix)*

Pantographa Lederer, 1863

801184 *limata* (Grote & Robinson, 1867) *(Botys)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
801188 *silicalis* (Guenée, 1854) *(Botys)* R -- -- -- -- -- -- -- -- -- -- -- -- -- NS --
NOTE: New for Canada, based on specimens in the NSPM and the AFC collection.
cypraealis (Walker, 1859) *(Botys)*
fluctuosalis (Dyar, [1903]) *(Sylepta)*
penumbralis (Grote, 1877) *(Botis)*
sublutalis (Druce, 1895) *(Condylorrhiza)*
sublutalis (Warren, 1889) *(Hapalia)*

Herpetogramma group Shaffer & Solis, 1995

Herpetogramma Lederer, 1863

tax info: Solis (2010)

Macrobotys Munroe, 1950

801191 *aeglealis* (Walker, 1859) *(Botys)* R -- -- -- -- E -- -- -- ON QC -- -- -- -- --
NOTE: Historical BC records are assumed to be erroneous; no BC vouchers are known and this species is otherwise unknown in western Canada.

quinquelinealis (Grote, 1875) *(Botis)*

801192 *sphingealis* Handfield & Handfield, 2011 *(Herpetogramma)*
R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

801193 *bipunctalis* (Fabricius, 1794) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: New for Canada, based on specimens from Port Franks (ON), collected recently by KS and from Acton Vale (QC), collected by D. Handfield. Both were confirmed by D. Handfield.

lycialis (Walker, 1859) *(Botys)*

repetitalis (Grote, 1882) *(Botis)*

simplex (Warren, 1892) *(Herpetogramma?)*

801195 *fluctuosalis* (Lederer, 1863) *(Botys)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

ipomoealis (Capps, 1964) *(Pachyzancla)*

801196 *phaeopteralis* (Guenée, 1854) *(Botys)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Port Franks (ON), collected recently by KS and confirmed by JDL.

inhonestalis (Walker, [1866]) *(Botys)*

intricatalis (Möschler, 1890) *(Botys)*

neloalis (Walker, 1859) *(Botys)*

otreusalis (Walker, 1859) *(Botys)*

triarialis (Walker, 1859) *(Botys)*

tridentalis (Snellen, 1872) *(Botys)*

vecordalis (Guenée, 1854) *(Botys)*

vestalis (Walker, 1859) *(Botys)*

801197 *pertextalis* (Lederer, 1863) *(Botys)* R -- -- -- -- E E E E ON E -- E E E --
NOTE: Most records of this species in Canada refer to *H. thestealis*; true *H. pertextalis* is restricted in Canada to Carolinian forest in southern ON.

gentilis (Grote, 1873) *(Botis)*

thesealis of authors (not Lederer, 1863) *(Botys)*

801198 *abdominalis* (Zeller, 1872) *(Botys)* R -- -- -- -- -- -- -- MB -- QC -- -- -- NS --
NOTE: This species is probably conspecific with *H. thestealis*, but we list it separately pending further analysis. The only published Canadian records of it are for MB by Brodie (1929, as "*Botis fissalis* Grote", a synonym), for QC by Handfield et al. (1997), and for NS by Perrin & Russell (1912, as "*Pyrausta fissalis* Grote", a synonym).

fissalis (Grote, 1881) *(Botis)*

801199 *thestealis* (Walker, 1859) *(Botys)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

gulosalis (Hulst, 1886) *(Botis)*

magistralis (Grote, 1873) *(Botis)*

801200 *theseusalis* (Walker, 1859) *(Botys)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

feudalis (Grote, 1875) *(Botis)*

thesealis (Lederer, 1863) *(Botys)*

Pilocrocis Lederer, 1863

801207 *ramentalis* Lederer, 1863 *(Pilocrocis)* R -- -- -- -- -- -- -- -- ON QC -- -- P NS PE

perfuscalis (Hulst, 1886) *(Zinckenia)*

Hydriris group Shaffer & Solis, 1995

Choristostigma Warren, 1892

801208 *plumbosignalis* (Fernald, 1888) *(Botis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

801213 *disputalis* (Barnes & McDunnough, 1917) *(Diasemia)*
R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Udea group Shaffer & Solis, 1995

Lineodes Guenée, 1854

801218	*integra* (Zeller, 1873) *(Scoptonoma)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	

Udea Guenée, 1845

tax info: Munroe (1966)

801230	*rubigalis* (Guenée, 1854) *(Scopula)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE	
	NOTE: Historical records of the Old World species *U. ferrugalis* in NA refer to this species.																	
	ferrugalis of authors (not Hübner, 1796) *(Pyralis)*																	
	harveyana (Grote, 1877) *(Botis)*																	
	oblunalis (Lederer, 1863) *(Botys)*																	
801231	*profundalis* (Packard, 1873) *(Botis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
801232	*washingtonalis* (Grote, 1882) *(Botis)*	R	AK	--	--	--	BC	P	--	--	--	--	--	--	--	--	--	
	a *washingtonalis* (Grote, 1882) *(Botis)*	r	ak	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	invinctalis (Hulst, 1886) *(Botis)*																	
	b *hollandi* Munroe, 1966 *(Udea)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--	
	c *nomensis* Munroe, 1966 *(Udea)*	r	ak	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	d *pribilofensis* Munroe, 1966 *(Udea)*	r	ak	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
801235	*torvalis* (Möschler, 1864) *(Botys)*	R	--	YT	NT	NU	--	--	--	--	--	QC	LB	--	--	--	--	
	gelida (MacLachlan, 1878) *(Scoparia)*																	
801236	*alaskalis* (Gibson, 1920) *(Diasemia)*	R	AK	YT	--	--	--	--	--	--	--	--	--	--	--	--	--	
801237	*inquinatalis* (Zeller, 1846) *(Scopula)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	--	NB	NS	--	
	albinalis Della Beffa, 1942 *(Udea)*																	
	glacialis (Packard, 1867) *(Botys)*																	
801239	*nordeggensis* (McDunnough, 1930) *(Phlyctaenia)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	
801241	*indistinctalis* Warren, 1892 *(Udea)*	U	--	--	--	--	--	U	U	--	--	--	--	--	--	--	--	
	NOTE: No AB vouchers are known to support the record by Bowman (1951). The sole known SK specimen was not determined with certainty by Munroe (1966).																	
	a *indistinctalis* Warren, 1892 *(Udea)*																	
	b *johnstoni* Munroe, 1966 *(Udea)*	u	--	--	--	--	--	u	u	--	--	--	--	--	--	--	--	
801242	*sheppardi* (McDunnough, 1930) *(Phlyctaenia)*	R	--	--	--	--	--	--	--	--	U	QC	--	NF	--	NS	--	
	NOTE: The ON record by Riotte (1992) could not be verified, but the species was described from Montreal (QC) and probably occurs in southern ON as well.																	
801243	*saxifragae* (McDunnough, 1935) *(Phlyctaenia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
801246	*beringialis* Munroe, 1966 *(Udea)*	R	AK	YT	NT	NU	--	--	--	MB	--	--	--	--	--	--	--	
801247	*derasa* Munroe, 1966 *(Udea)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
801248	*livida* Munroe, 1966 *(Udea)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	
801249	*turmalis* (Grote, 1881) *(Botis)*	R	--	--	--	--	BC	AB	--	MB	--	--	--	--	--	--	--	
	a *turmalis* (Grote, 1881) *(Botis)*	r	--	--	--	--	bc	ab	--	mb	--	--	--	--	--	--	--	
	b *catronalis* Munroe, 1966 *(Udea)*																	
	c *tularensis* Munroe, 1966 *(Udea)*																	
	d *griseor* Munroe, 1966 *(Udea)*																	
801250	*itysalis* (Walker, 1859) *(Scoparia)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	EP	
	NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.																	
	a *itysalis* (Walker, 1859) *(Scoparia)*																	
	hyperborealis (Möschler, 1874) *(Botys)*																	
	similissima (Caradja, 1916) *(Pionea)*																	
	variegata (Walker, 1863) *(Stantira)*																	
	b *mertensialis* Munroe, 1966 *(Udea)*	r	--	--	--	--	--	u	u	u	u	u	u	u	nb	ns	p	
	c *tillialis* (Dyar, 1904) *(Phlyctaenia)*	r	ak	yt	nt	--	bc	u	u	u	u	u	u	u	--	--	--	
	d *rindgeorum* Munroe, 1966 *(Udea)*																	
	e *kodiakensis* Munroe, 1966 *(Udea)*	r	ak	--	--	--	bc	--	--	--	--	--	--	--	--	--	--	
	f *albimontanalis* Munroe, 1966 *(Udea)*																	
	g *durango* Munroe, 1966 *(Udea)*																	
	h *wasatchensis* Munroe, 1966 *(Udea)*																	
	i *clarkensis* Munroe, 1966 *(Udea)*																	
	j *marinensis* Munroe, 1966 *(Udea)*																	

801251	*abstrusa* Munroe, 1966 *(Udea)*	R	--	YT	NT	--	BC	AB	SK	MB	--	--	--	--	--	--	--
	a *abstrusa* Munroe, 1966 *(Udea)*	r	--	--	--	--	--	ab	sk	mb	--	--	--	--	--	--	--
	b *subarctica* Munroe, 1966 *(Udea)*	r	--	yt	nt	--	--	--	--	--	--	--	--	--	--	--	--
	c *cordilleralis* Munroe, 1966 *(Udea)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--
	d *pullmanensis* Munroe, 1966 *(Udea)*																
801252	*radiosalis* (Möschler, 1883) *(Botys)*	R	AK	YT	NT	--	BC	AB	SK	MB	--	QC	LB	--	--	--	--
801253	*aenigmatica* (Heinrich, 1931) *(Pyla)*	R	--	--	--	--	--	--	--	--	--	QC	--	--	--	--	--

NOTE: New for Canada, based on material in LEMQ.

Hymenia group Shaffer & Solis, 1995

Anageshna Munroe, 1956

801254	*primordialis* (Dyar, 1907) *(Geshna)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	NS	PE
	a *primordialis* (Dyar, 1907) *(Geshna)*																
	b *vividior* Munroe, 1956 *(Anageshna)*	r	--	--	--	--	--	--	--	mb	on	qc	--	--	u	u	u
	c *pallidior* Munroe, 1956 *(Anageshna)*	r	--	--	--	--	--	--	--	u	u	u	--	--	u	ns	pe

Apogeshna Munroe, 1956

801255	*stenialis* (Guenée, 1854) *(Isopteryx)*	U	--	--	--	--	--	--	--	--	--	U	--	--	--	--	--

NOTE: The historical QC record by Winn (1912) could not be verified but is plausible; the species is known from southern ME. However, Handfield et al. (1997) reported the Winn record as probably referring to *A. primordialis*.

australis (Hulst, 1886) *(Hydrocampa)*

Blepharomastix Lederer, 1863

801256	*ranalis* (Guenée, 1854) *(Stenia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--

archasialis (Walker, 1859) *(Asopia)*
datisalis Druce, 1895 *(Blepharomastix)*
gracilis (Grote & Robinson, 1867) *(Botys)*
occidentalis Haimbach, 1908 *(Blepharomastix)*
ofellusalis (Walker, 1859) *(Botys)*
olliusalis (Walker, 1859) *(Botys)*
strictalis (Walker, 1866) *(Botys)*

Desmia Westwood, 1831

801262	*funeralis* (Hübner, 1796) *(Pyralis)*‡	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
801263	*maculalis* Westwood, 1831 *(Desmia)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--
801267	*stenizonalis* Hampson, 1912 *(Desmia)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--

NOTE: New for Canada, based on a series of specimens in the CNC, as well as a BOLD record from Point Pelee (ON).

Diasemiodes Munroe, 1957

801272	*janassialis* (Walker, 1859) *(Desmia)*	R	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	--

NOTE: The sole Canadian record of this species was collected at Dingwall (NS) in 2014 by F. McEvoy. It was reported only as far north as NC by Forbes (1923), but the Moth Photographers Group (2016) shows records as far north as MI and PA.

hariolalis (Hulst, 1886) *(Botis)*

Diathrausta Lederer, 1863

tax info: Munroe (1956c)

Triplodaula Munroe, 1956

801276	*reconditalis* (Walker, 1859) *(Hymenia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--

minualis (Walker, 1866) *(Aediodes)*
octomaculalis Fernald, 1887 *(Diathrausta)*

801277	*harlequinalis* Dyar, 1913 *(Diathrausta)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	a *harlequinalis* Dyar, 1913 *(Diathrausta)*																
	b *montana* Haimbach, 1915 *(Diathrausta)*																

c *amaura* Munroe, 1956 *(Diathrausta)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
d *lauta* Munroe, 1956 *(Diathrausta)*

***Hymenia* Hübner, 1825**

801279 *perspectalis* (Hübner, 1796) *(Pyralis)*‡ R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
exportalis (Guenée, 1854) *(Spoladea)*
primordialis (Zeller, 1852) *(Zinckenia)*
rhinthonalis (Walker, 1859) *(Desmia)*
spilotalis (Saalmüller, 1880) *(Spoladea)*

***Spoladea* Guenée, 1854**

801280 *recurvalis* (Fabricius, 1775) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
albifacialis (Boisduval, 1833) *(Hydrocampa)*
ancylosema (Dognin, 1909) *(Nacoleia)*
angustalis (Fabricius, 1787) *(Phalaena)*
animalis Guenée, 1854 *(Spoladea)*
diffascialis (Hübner, 1825) *(Hymenia)*
exodias (Meyrick, 1904) *(Hymenia)*
fascialis (Stoll, 1782) *(Pyralis)*
formosana (Shiraki, 1910) *(Odezia)*
recurvella (Zincken, 1818) *(Phycis)*

***Loxostegopsis* Dyar, 1917**

801281 *polle* Dyar, 1917 *(Loxostegopsis)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
801283 *merrickalis* (Barnes & McDunnough, 1918) *(Pyrausta)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

***Duponchelia* Zeller, 1847**

801288 *fovealis* Zeller, 1847 *(Duponchelia)*+ XT -- -- -- -- XT -- -- -- XT -- -- -- -- -- --
NOTE: This exotic introduction has been collected in greenhouses in BC and ON.
canuisalis (Millière, 1868) *(Stenia)*
eanuisalis (Millière, 1869) *(Duponchelia?)*
floeschlalis Legrand, 1965 *(Duponchelia)*
griseata (Butler, 1875) *(Hymenia)*
komiensis (Ghesquière, 1942) *(Decticogaster)*
uniflexalis (Mabille, 1879) *(Stenia)*

Diaphania group Shaffer & Solis, 1995

***Condylorrhiza* Lederer, 1863**

801293 *vestigialis* (Guenée, 1854) *(Botyodes)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: A specimen collected at Pinery Provincial Park (ON) by KS is the sole Canadian record. It was confirmed by JTT.
illutalis (Guenée, 1854) *(Botys)*
mestoralis (Walker, 1859) *(Botys)*
oratalis (Hulst, 1886) *(Eudioptis)*
ortalis Munroe, 1983 *(Condylorrhiza)*
syleptalis (Strand, 1920) *(Agathodes)*
tritealis (Walker, 1859) *(Botys)*

***Diaphania* Hübner, 1818**

801295 *nitidalis* (Stoll, 1781) *(Phalaena)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
vitralis Hübner, 1818 *(Diaphania)*

801297 *hyalinata* (Linnaeus, 1767) *(Phalaena)* S -- -- -- -- -- -- -- -- S S -- -- -- -- --
hyalinatalis (Guenée, 1854) *(Phakellura)*
lucernalis (Hübner, 1796) *(Pyralis)*

Palpita Hübner, 1808

801316 *quadristigmalis* (Guenée, 1854) *(Margarodes)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --
801321 *arsaltealis* (Walker, 1859) *(Botys)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
801322E *illibalis* (Hübner, 1818) *(Hapalia)* E -- -- -- -- -- -- -- -- E E -- -- -- -- --
NOTE: The ON record by Forbes (1923) and the QC record by Winn (1912) are deemed erroneous, and probably refer to *P. arsaltealis*, which was not mentioned by Forbes. *Palpita illibalis* is otherwise unknown in nNA.
801325 *magniferalis* (Walker, 1861) *(Botys)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
fascialis (Walker, 1862) *(Scoparia)*
guttulosa (Walker, 1863) *(Sebunta)*
801326 *aenescentalis* Munroe, 1952 *(Palpita)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --

Polygrammodes group Shaffer & Solis, 1995

Polygrammodes Guenée, 1854

801334 *flavidalis* (Guenée, 1854) *(Botys)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
cinctipedalis (Walker, 1866) *(Botys)*
lacoalis (Walker, 1859) *(Botys)*
801335E *oxydalis* (Guenée, 1854) *(Botys)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The unvouchered MB record by Brodie (1929) is assumed to refer to some other Spilomelini species.

Eulepte group Shaffer & Solis, 1995

Eulepte Hübner, 1825

801344E *anticostalis* (Grote, 1871) *(Botys)* E -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: This species of the southeastern USA was reported from "Canada" (as "*Crocidophora anticostalis* Grote") by the Natural History Society of Toronto (1883). Although this is a fairly distinctive species, the record is assumed to be erroneous as no specimens are known north of NC.

Samea group Shaffer & Solis, 1995

Ategumia Amsel, 1956

801348 *ebulealis* (Guenée, 1854) *(Samea)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: A specimen collected near Long Point (ON) by M. Gartshore is the sole Canadian record of this species. The determination was confirmed by JTT.

Diacme Warren, 1892

801349E *elealis* (Walker, 1859) *(Samea)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Reported from BC by Buckell (1947) and from AB by Bowman (1951) in error, on the basis of material that has been historically misidentified in several Canadian collections. All known Canadian material has been redetermined as *D. adipaloides*; *D. elealis* is not known to occur in nNA.
801350 *adipaloides* (Grote & Robinson, 1867) *(Botys)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS --

Mecyna Doubleday, 1849

801356 *submedialis* (Grote, 1876) *(Botis)* R -- -- -- -- -- AB SK MB ON E -- -- -- -- --
NOTE: The QC record by Winn (1912) has been deemed erroneous and likely attributable to *Herpetogramma theseusalis* (Handfield et al. 1997).
dissectalis (Grote, 1880) *(Botis)*
pilalis (Hulst, 1886) *(Botis)*
801358 *mustelinalis* (Packard, 1873) *(Botys)* R -- YT -- -- BC AB SK MB -- -- -- -- -- -- --
catenulalis (Grote, 1877) *(Botis)*
monulalis (Hulst, 1886) *(Botis)*

801359E *luscitialis* (Barnes & McDunnough, 1914) *(Pyrausta)*
E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Riotte (1992) is deemed erroneous. No vouchers are known and this species is otherwise unknown in nNA.

***Nomophila* Hübner, 1825**
tax info: Munroe (1973a)

801365 *nearctica* Munroe, 1973 *(Nomophila)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Prior to Munroe (1973a), this species was treated in NA under the Old World name *N. noctuella*.
noctuella of authors (not [Denis & Schiffermüller], 1775) *(Tinea)*

***Samea* Guenée, 1854**

801367 *multiplicalis* (Guenée, 1854) *(Isopteryx)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: A specimen of this otherwise southeastern USA species was collected at Toronto (ON) (The Lepidopterists' Society 2004). It was confirmed by JFL and has been deposited in the CNC.
discessalis Walker, 1866 *(Samea)*

Spilomelinae (unplaced) Shaffer & Solis, 1995

***Rhectocraspeda* Warren, 1892**

801401 *periusalis* (Walker, 1859) *(Botys)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
deformalis (Möschler, 1882) *(Pilemia)*
tristis (Hedemann, 1894) *(Rapoona)*

subfamily Pyraustinae Meyrick, 1890
tax info: Munroe (1976a, 1976b)

***Saucrobotys* Munroe, 1976**

801406 *fumoferalis* (Hulst, 1886) *(Botis)* R -- YT -- -- BC AB SK MB ON QC -- -- NB NS --
801407 *futilalis* (Lederer, 1863) *(Botys)* R -- -- -- -- BC AB SK MB ON QC LB -- -- NS --
a *futilalis* (Lederer, 1863) *(Botys)* r -- -- -- -- -- -- -- u on qc lb -- -- ns --
erectalis (Grote, 1876) *(Botis)*
b *inconcinnalis* (Lederer, 1863) *(Botys)* r -- yt -- -- bc ab sk u -- -- -- -- -- -- --
crocotalis (Grote, 1881) *(Botis)*
festalis (Hulst, 1886) *(Botis)*

***Nascia* Curtis, 1835**

801409 *acutellus* (Walker, 1866) *(Crambus)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
venalis (Grote, 1878) *(Botis)*

***Crocidophora* Lederer, 1863**
Crocidosema Lederer, 1863
Monocrocis Warren, 1895

801417E *pustuliferalis* Lederer, 1863 *(Crocidophora)* E -- -- -- -- -- -- -- -- E E -- -- -- -- --
NOTE: The ON and QC records by Allyson (1981) are unvouchered, and are hereby deemed erroneous; this species is otherwise not known north of VA (Munroe 1976a). The Canadian records may refer to *C. serratissimalis*, which is known from southern Canada.
801418 *serratissimalis* Zeller, 1872 *(Crocidophora)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
subdentalis (Grote, 1873) *(Botis)*
801419 *tuberculalis* Lederer, 1863 *(Crocidophora)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

***Ostrinia* Hübner, 1825**
tax info: Mutuura & Munroe (1970)

801420 *penitalis* (Grote, 1876) *(Botis)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
a *penitalis* (Grote, 1876) *(Botis)* r -- -- -- -- bc ab sk mb on qc -- -- -- -- --
nelumbialis (Smith, 1890) *(Botis)*

801421 *obumbratalis* (Lederer, 1863) *(Botys)* R -- -- -- -- -- -- SK MB ON QC -- -- NB P --
ainslieri (Heinrich, 1919) *(Pyrausta)*
obliteralis (Walker, 1866) *(Botys)*

801422 *marginalis* (Walker, 1866) *(Scopula)* R AK YT NT -- U AB SK MB ON QC -- NF P NS P
NOTE: Munroe (1976b) reported this species from across Canada and north to Dawson (YT) but BC was not specifically mentioned and no BC vouchers are known.
stenopteralis (Grote, 1878) *(Botis)*

801423 *nubilalis* (Hübner, 1796) *(Pyralis)*+ R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
a *nubilalis* (Hübner, 1796) *(Pyralis)* r -- -- -- -- -- ab sk mb on qc -- nf nb ns pe
appositalis (Lederer, 1858) *(Botys)*
fanalis (Costantini, 1923) *(Pyrausta)*
flava (Dufrane, 1930) *(Pyrausta)*
fuscalis (Romaniszyn, 1933) *(Pyrausta)*
glabralis (Haworth, 1803) *(Pyralis)*
insignis (Skala, 1928) *(Pyrausta)*
margarita (Skala, 1928) *(Pyrausta)*
minor (Dufrane, 1930) *(Pyrausta)*
paulalis (Fuchs, 1900) *(Botis)*
rubescens (Krulikovsky, 1928) *(Pyrausta)*
silacealis (Hübner, 1796) *(Pyralis)*

Fumibotys Munroe, 1976

801424 *fumalis* (Guenée, 1854) *(Ebulea)* R -- YT -- -- BC AB SK MB ON QC -- -- NB NS PE
badipennis (Grote, 1873) *(Botis)*
orasusalis (Walker, 1859) *(Scopula)*

Perispasta Zeller, 1875

801425 *caeculalis* Zeller, 1875 *(Perispasta)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
immixtalis Grote, 1881 *(Perispasta)*

Anania Hübner, 1823

Algedonia Lederer, 1863
Eurrhypara Hübner, 1825
Mutuuraia Munroe, 1976
Nealgedonia Munroe, 1976
Phlyctaenia Hübner, 1825
Pronomis Munroe & Mutuura, 1968
Proteurrhypara Munroe & Mutuura, 1969
Tenerobotys Munroe & Mutuura, 1971
Udonomeiga Mutuura, 1954

801426 *hortulata* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- -- -- ON QC -- NF NB NS PE
crassipunctata (Dufrane, 1957) *(Eurrhypara)*
dissoluta (Skala, 1928) *(Eurrhypara)*
flavicauda (Retzius, 1783) *(Phalaena?)*
minor (Dufrane, 1957) *(Eurrhypara)*
urticata (Linnaeus, 1761) *(Phalaena)*

801427 *tertialis* (Guenée, 1854) *(Ebulea)* R -- P NT -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Until recently, this Nearctic species was treated as part of a Holarctic concept of the Old World species *Phlyctaenia coronata*. All North American populations are *A. tertialis*.
coronata of authors (not Hufnagel, 1767) *(Phalaena)*
syringicola (Packard, 1870) *(Botys)*

801428 *plectilis* (Grote & Robinson, 1867) *(Botys)* R -- -- -- -- -- -- -- -- ON QC LB NF -- U --
NOTE: Determinations of NS material in the CNC are uncertain.

801430 *quebecensis* (Munroe, 1954) *(Phlyctaenia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

801432 *extricalis* (Guenée, 1854) *(Botys)* R -- -- NT -- -- AB SK MB ON QC -- NF NB NS --
a *extricalis* (Guenée, 1854) *(Botys)*
intricatalis (Lederer, 1863) *(Botys)*
oppilalis (Grote, 1880) *(Botis)*

b *dionalis* (Walker, 1859) *(Pionea)* r -- -- nt -- -- ab sk mb on qc -- nf nb ns --
beddeci (Dyar, 1913) *(Pyrausta)*
nisoeecalis (Walker, 1859) *(Spilodes)*

801433 *mysippusalis* (Walker, 1859) *(Botys)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS --
NOTE: Historical records of the Old World species *A. terrealis* in NA refer to this species.
humilalis (Lederer, 1863) *(Botys)*
terrealis of authors (not Trietschke, 1829) *(Botys)*

801434 *funebris* (Ström, 1768) *(Phalaena)*‡ R AK -- NT -- BC AB SK MB ON QC -- NF NB NS PE
octomaculata (Linnaeus, 1771) *(Geometra)*
b *glomeralis* (Walker, 1859) *(Ennychia)* r ak -- nt -- bc ab sk mb on qc -- nf nb ns pe

Hahncappsia Munroe, 1976

801439 *marculenta* (Grote & Robinson, 1867) *(Botys)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

801442 *neobliteralis* (Capps, 1967) *(Loxostege)* R -- -- -- -- -- -- -- -- U QC -- -- -- -- --
NOTE: Riotte's (1992) ON record could not be verified.

801444 *mancalis* (Lederer, 1863) *(Botys)* R -- -- -- -- -- -- -- -- U QC -- -- -- -- --
NOTE: Riotte's (1992) ON record could not be verified.

801445 *pergilvalis* (Hulst, 1886) *(Botis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Achyra Guenée, 1849
tax info: Munroe (1978)

801451 *bifidalis* (Fabricius, 1794) *(Phalaena)* S -- -- -- -- -- S -- -- -- -- -- -- -- -- --
NOTE: Known in Canada only from a single specimen from southern AB, considered to be a stray (Pohl et al. 2010).
centralis (Fabricius, 1794) *(Phalaena)*
inornatalis (Walker, 1866) *(Phlyctaenodes)*
orbitalis (Hampson, 1899) *(Phlyctaenodes)*
stolidalis (Schaus, 1940) *(Loxostege)*

801452 *rantalis* (Guenée, 1854) *(Nymphula)* R -- -- -- -- -- -- -- -- ON QC -- U -- NS --
NOTE: The report from NF by Belton (1988) could not be verified.
caffreii (Flint & Malloch, 1920) *(Pyrausta)*
collucidalis (Möschler, 1890) *(Eurycreon)*
communis (Grote, 1876) *(Botis)*
crinisalis (Walker, 1859) *(Scopula)*
crinitalis (Lederer, 1863) *(Botys)*
diotimealis (Walker, 1859) *(Scopula)*
intractella (Walker, 1863) *(Nephopteryx)*
licealis (Walker, 1859) *(Botys)*
murcialis (Walker, 1859) *(Ebulea)*
nestusalis (Walker, 1859) *(Scopula)*
posticata (Grote & Robinson, 1867) *(Botys)*
similalis of authors (not Guenée, 1854) *(Nymphula)*
siriusalis (Walker, 1859) *(Botys)*
subfulvalis (Herrich-Schäffer, 1871) *(Botys)*
viscendalis (Möschler, 1890) *(Botys)*

Helvibotys Munroe, 1976

801457 *helvialis* (Walker, 1859) *(Spilodes)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
apertalis (Walker, 1866) *(Botys)*
citrina (Grote & Robinson, 1867) *(Botys)*
harpalis (Herrich-Schäffer, 1871) *(Botys)*
helvalis Forbes, 1923 *(Helvibotys)*
thycesalis (Walker, 1859) *(Botys)*

Sitochroa Hübner, 1825

801463 *palealis* ([Denis & Schiffermüller], 1775) *(Pyralis)*+ R -- -- -- -- -- -- -- -- ON -- -- -- NB NS PE
a *palealis* ([Denis & Schiffermüller], 1775) *(Pyralis)* r -- -- -- -- -- -- -- -- on -- -- -- nb ns pe

801464 *dasconalis* (Walker, 1859) *(Spilodes)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
801465 *chortalis* (Grote, 1873) *(Eurycreon)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

***Uresiphita* Hübner, 1825**
Mecyna Guenée, 1854

801470 *reversalis* (Guenée, 1854) *(Mecyna)* R -- -- -- -- -- -- -- MB ON QC -- -- -- NS --
hilaralis (Herrich-Schäffer, 1871) *(Botys)*

***Paracorsia* Marion, 1959**

801471 *repandalis* ([Denis & Schiffermüller], 1775) *(Pyralis)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This Eurasian species, which feeds on the introduced weed *Verbascum thapsus* Linnaeus, was confirmed from Port Franks (ON) in 2016 by KS (CNC).

***Loxostege* Hübner, 1825**

801474 *lepidalis* (Hulst, 1886) *(Prorasea)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
801475 *indentalis* (Grote, 1883) *(Prorasea)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
801483 *sticticalis* (Linnaeus, 1761) *(Phalaena)*‡ R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *sticticalis* (Linnaeus, 1761) *(Phalaena)* r ak yt nt -- bc ab sk mb on qc lb nf nb ns pe
miana (Müller, 1764) *(Tortrix)*
sylvata (Panzer, 1804) *(Pyralis)*
801489 *anartalis* (Grote, 1877) *(Eurycreon)* R AK YT NT -- BC AB SK MB ON QC -- -- -- -- --
a *anartalis* (Grote, 1877) *(Eurycreon)*
b *lulualis* (Hulst, 1886) *(Botis)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
c *albertalis* Barnes & McDunnough, 1918 *(Loxostege)*
r ak yt nt -- bc ab sk mb -- -- -- -- -- -- --
d *saxicolalis* Barnes & McDunnough, 1918 *(Loxostege)*
e *rainierensis* Munroe, 1976 *(Loxostege)*
801490 *ephippialis* (Zetterstedt, 1839) *(Botys)** R -- YT NT NU BC AB -- MB -- QC LB -- -- -- --
801491 *thallophilalis* (Hulst, 1886) *(Botis)* R -- -- -- -- BC -- -- -- -- QC -- -- -- -- --
flavifimbrialis (Warren, 1892) *(Noctuelia)*
thrallophilalis (Hulst, 1886) *(Botis)*
801494 *sierralis* Munroe, 1976 *(Loxostege)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *sierralis* Munroe, 1976 *(Loxostege)*
b *internationalis* Munroe, 1976 *(Loxostege)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
c *tularealis* Munroe, 1976 *(Loxostege)*
d *sanpetealis* Munroe, 1976 *(Loxostege)*
801495 *commixtalis* (Walker, 1866) *(Scopula)** R AK YT NT -- BC AB SK MB ON QC LB NF -- NS --
indotatellus (Walker, 1866) *(Crambus)*
801496 *cereralis* (Zeller, 1872) *(Eurycreon)* R -- -- -- -- BC AB SK MB ON QC -- NF -- -- --

***Pyrausta* Schrank, 1802**

nexalis group Munroe, 1976

801511 *nicalis* (Grote, 1878) *(Stemmatophora)* R AK YT -- -- BC AB SK MB ON QC -- -- -- -- --
subnicalis (Warren, 1892) *(Syllythria)*
uxorculalis (Hulst, 1886) *(Botis)*
801513 *signatalis* (Walker, 1866) *(Rhodaria)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
medullalis (Snellen, 1899) *(Botys)*
vinulenta (Grote & Robinson, 1876) *(Botys)*
801514 *pythialis* Barnes & McDunnough, 1918 *(Pyrausta)* R -- -- -- -- -- -- SK MB -- -- -- -- -- -- --
801515 *inveterascalis* Barnes & McDunnough, 1918 *(Pyrausta)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

bicoloralis group Munroe, 1976

801519 *bicoloralis* (Guenée, 1854) *(Asopia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

phoenicealis group Munroe, 1976

801529 *phoenicealis* (Hübner, 1818) *(Haematia)* U -- -- -- -- -- -- -- -- -- U -- -- -- -- --
NOTE: Winn's (1912) QC record could not be verified but is plausible; the species is known from NY (Munroe 1976b). Handfield et al. (1997) considered the QC record erroneous, likely attributable to *P. acrionalis*.
flegialis (Walker, 1859) *(Rhodaria)*
noraxalis (Walker, 1859) *(Rhodaria)*

rubricalis group Munroe, 1976

801531E *rubricalis* (Hübner, 1796) *(Pyralis)* E -- -- -- -- -- -- -- -- -- -- -- -- -- E --
NOTE: The NS record by Perrin (1915) is assumed to be erroneous; no vouchers are known and there are no other records in nNA (Munroe 1976b).
801532 *californicalis* (Packard, 1873) *(Botys)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *californicalis* (Packard, 1873) *(Botys)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
b *sierranalis* Munroe, 1976 *(Pyrausta)*

aurata group Munroe, 1976

801536 *generosa* (Grote & Robinson, 1867) *(Botys)* R -- -- -- -- E AB SK MB ON QC -- NF NB NS --
NOTE: Historical reports of this species from BC refer to *P. orphisalis*. The two species were historically confused; *P. generosa* does not occur west of southern AB.
801538 *orphisalis* Walker, 1859 *(Pyrausta)* R -- YT -- -- BC AB SK MB ON QC -- NF NB NS --
ochosalis Dyar, 1903 *(Pyrausta)*
801539 *tuolumnalis* Barnes & McDunnough, 1918 *(Pyrausta)* R AK YT NT -- BC AB SK -- -- -- -- -- -- -- --

cespitalis group Munroe, 1976

801540 *subsequalis* (Guenée, 1854) *(Herbula)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS --
insequalis (Guenée, 1854) *(Herbula)*
a *subsequalis* (Guenée, 1854) *(Herbula)* r -- -- -- -- -- -- -- u on qc -- nf nb ns --
borealis of authors not Packard, 1867 *(Pyrausta)*
efficitalis (Walker, 1866) *(Herbula)*
graminalis (Herrich-Schäffer, 1871) *(Botys)*
madetesalis (Walker, 1859) *(Isopteryx)*
matronalis (Grote, 1875) *(Botis)*
repletalis (Walker, 1866) *(Herbula)*
b *plagalis* Haimbach, 1908 *(Pyrausta)* r -- -- -- -- bc ab sk mb u -- -- -- -- -- --
c *facetalis* (Berg, 1875) *(Botis)*
d *petaluma* Munroe, 1976 *(Pyrausta)*
801541 *borealis* Packard, 1867 *(Pyrausta)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --

perrubralis group Munroe, 1976

801545 *perrubralis* (Packard, 1873) *(Botys)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: Historical records of this species from east of BC refer to *P. scurralis*, following a previous taxonomic arrangement (Munroe (1951) considered *P. scurralis* to be a subspecies of *P. perrubralis*).
a *perrubralis* (Packard, 1873) *(Botys)*
b *saanichalis* Munroe, 1951 *(Pyrausta)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
c *shastanalis* Munroe, 1976 *(Pyrausta)*
801546 *scurralis* (Hulst, 1886) *(Botis)* R -- -- -- -- -- AB SK MB ON -- -- -- -- -- --
a *scurralis* (Hulst, 1886) *(Botis)*
postrubralis Hampson, 1899 *(Pyrausta)*
b *awemealis* Munroe, 1976 *(Pyrausta)* r -- -- -- -- -- ab sk mb on -- -- -- -- -- --

semirubralis group Munroe, 1976

801548 *semirubralis* (Packard, 1873) *(Botys)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

aerealis group Munroe, 1976

801549 *unifascialis* (Packard, 1873) *(Botys)* R -- YT -- -- BC AB SK MB ON QC -- -- -- NS --
a *unifascialis* (Packard, 1873) *(Botys)* r -- yt -- -- bc ab -- -- -- -- -- -- -- -- --
obnigralis (Hulst, 1886) *(Botis)*
b *subolivalis* (Packard, 1873) *(Botys)* r -- -- -- -- bc ab sk mb on qc -- -- -- ns --
hircinalis (Grote, 1875) *(Botis)*
c *rindgei* Munroe, 1957 *(Pyrausta)*
d *arizonensis* Munroe, 1957 *(Pyrausta)*

tyralis group Munroe, 1976

801551 *laticlavia* (Grote & Robinson, 1867) *(Botys)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Port Franks (ON), collected recently by KS and confirmed by B. Landry.
cinerosa (Grote & Robinson, 1867) *(Botys)*

acrionalis group Munroe, 1976

801552 *acrionalis* (Walker, 1859) *(Rhodaria)* R -- -- -- -- -- -- -- E ON QC -- -- NB NS --
NOTE: The MB record by Covell (1984) is deemed erroneous; this species does not occur west of southeastern ON.
acuphisalis (Walker, 1859) *(Rhodaria)*
haruspica (Grote & Robinson, 1867) *(Botys)*
proceralis (Lederer, 1863) *(Botys)*
rubicundalis (Lederer, 1863) *(Botys)*
rufifimbrialis (Grote, 1881) *(Botis)*
sumptuosalis Walker, 1866 *(Pyrausta)*

obtusanalis group Munroe, 1976

801554 *niveicilialis* (Grote, 1875) *(Botis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

fodinalis group Munroe, 1976

801555 *fodinalis* (Lederer, 1863) *(Botys)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
a *fodinalis* (Lederer, 1863) *(Botys)*
b *monticola* Munroe, 1976 *(Pyrausta)*
c *septentrionicola* Munroe, 1976 *(Pyrausta)* r -- -- -- -- bc ab sk mb on qc -- -- -- -- --
801556 *socialis* (Grote, 1877) *(Botis)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
a *socialis* (Grote, 1877) *(Botis)* r -- -- -- -- bc ab sk mb on qc -- -- -- -- --
b *perpallidalis* Munroe, 1976 *(Pyrausta)*

Superfamily MIMALLONOIDEA Burmeister, 1878

69. Family MIMALLONIDAE Burmeister, 1878 (sackbearer moths)

by B.C. Schmidt and J.D. Lafontaine

Mimallonids are medium-sized to large moths with stout bodies and broad wings. They usually have bipectinate antennae. The larvae are usually brightly coloured, and most species live in folded leaves or a silken nest in the younger instars, and then construct a mobile case of silk and frass in the older instars (hence the common name).

About 195 species of mimallonids are known worldwide, primarily in the neotropics. Four species occur in the Nearctic region, two of which are known from eastern Canada. The NA species were treated by Franclemont (1973).

Lacosoma Grote, 1864

830001 *chiridota* Grote, 1864 *(Lacosoma)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --

***Cicinnus* Blanchard, 1852**

830004 *melsheimeri* (Harris, 1841) *(Saccophora)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
egenaria (Walker, 1866) *(Arhodia)*

Superfamily DREPANOIDEA Boisduval, 1828

70. Family DREPANIDAE Boisduval, 1828 (lutestring moths and hooktip moths)

by B.C. Schmidt and J.D. Lafontaine

Drepanids are medium-sized moths, ranging in size from about 35 to 45 mm. In NA, this group includes two superficially dissimilar subfamilies that have been treated as separate families in the past; they are united based on the unique structure of the tympanum. Most drepanid larvae feed on the foliage of trees or shrubs and are gregarious when young.

The family Drepanidae contains about 660 described species. Twenty-one species are known in the Nearctic region, 12 of which occur in nNA. One more species is expected in the region. There has been no recent taxonomic work on the group at the species level, but the Nearctic species are well known.

subfamily Thyatirinae Smith, 1893

tribe Habrosynini Werny, 1966

***Habrosyne* Hübner, 1821**

850003 *scripta* (Gosse, 1840) *(Thyatira)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
a *scripta* (Gosse, 1840) *(Thyatira)*
b *chatfieldii* Grote, 1895 *(Habrosyne)*
abrasa (Guenée, 1852) *(Thyatira)*
chatfeldti Werny, 1966 *(Habrosyne)*
chatfieldi McDunnough, 1938 *(Habrosyne)*
c *abrasoides* Barnes & Benjamin, 1929 *(Habrosyne)*

850004 *gloriosa* (Guenée, 1852) *(Thyatira)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
a *gloriosa* (Guenée, 1852) *(Thyatira)* r -- -- -- -- -- -- -- -- on qc -- -- nb ns --
rectangulata Ottolengui, 1897 *(Habrosyne)*
b *arizonensis* Barnes & McDunnough, 1912 *(Habrosyne)*

***Pseudothyatira* Grote, 1865**

850005 *cymatophoroides* (Guenée, 1852) *(Thyatira)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
expultrix (Grote, 1863) *(Lacinia)*

tribe Macrothyatirini [unknown author, date]

***Euthyatira* Small, 1891**

850007E *lorata* (Grote, 1881) *(Thyatira)* EP -- -- -- -- EP -- -- -- -- -- -- -- -- -- --
NOTE: Erroneous BC record by deWaard (2010) based on a misidentification of *E. pudens*, but the species is known from western WA and could be found in BC. It was also reported from BC by Anderson (1904) but that record was not repeated on other historical BC lists and is assumed to be erroneous.

850008 *pudens* (Guenée, 1852) *(Thyatira)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS --
anticostiensis (Grote, 1886) *(Thyatira)*
pennsylvanica Smith, 1902 *(Euthyatira)*

850009 *semicircularis* (Grote, 1881) *(Bombycia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *semicircularis* (Grote, 1881) *(Bombycia)*
tema Strecker, 1898 *(Euthyatira)*
b *griseor* (Barnes & McDunnough, 1910) *(Bombycia)*

tribe Ceranemotini [unknown author, date]
tax info: Clarke & Benjamin (1938)

***Ceranemota* Clark, 1938**

850010 *improvisa* (Edwards, 1873) *(Cymatophora)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
850011 *fasciata* (Barnes & McDunnough, 1910) *(Bombycia)*
R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
850014E *tearlei* (Edwards, 1886) *(Gluphisia)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Clarke & Benjamin (1938) repeat Blackmore's (1927) report of this species from BC. All reports of this species in western Canada refer to *C. albertae*. *Ceranemota tearlei* does not occur in nNA.
850016 *albertae* Clarke, 1938 *(Ceranemota)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

subfamily Drepaninae Boisduval, 1828

tribe Drepanini Boisduval, 1828

***Drepana* Schrank, 1802**

850019 *arcuata* Walker, 1855 *(Drepana)* R AK P NT -- BC AB SK MB ON QC LB NF NB NS PE
a *arcuata* Walker, 1855 *(Drepana)*
fabula (Grote, 1862) *(Platypteryx)*
genicula (Grote, 1862) *(Platypteryx)*
b *siculifer* Packard, 1872 *(Drepana)*
c *alaskensis* Barnes & Benjamin, 1922 *(Drepana)*
grotei Barnes & Benjamin, 1922 *(Drepana)*
850020 *bilineata* (Packard, 1864) *(Edapteryx)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
a *bilineata* (Packard, 1864) *(Edapteryx)*
levis (Hudson, 1893) *(Prionia)*
b *rampartensis* Barnes & Benjamin, 1922 *(Drepana)*
hudsoni Barnes & Benjamin, 1922 *(Drepana)*

***Eudeilinia* Packard, 1876**

850021 *herminiata* (Guenée, [1858]) *(Corycia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
albata (Guenée, [1858]) *(Corycia)*
biseriata Packard, 1873 *(Eudeilinia)*

tribe Oretini Inoue, 1962
tax info: Watson (1967)

***Oreta* Walker, 1855**

850023 *rosea* (Walker, 1855) *(Drepana)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
americana (Herrich-Schäffer, 1855) *(Cilix)*
formula (Grote, 1862) *(Dryopteris)*
irrorata (Packard, 1864) *(Dryopteris)*
marginata (Walker, 1855) *(Drepana)*

Superfamily LASIOCAMPOIDEA Harris, 1841

71. Family LASIOCAMPIDAE Harris, 1841 (tent caterpillars and lappet moths)

by B.C. Schmidt, J.D. Lafontaine, and G.R. Pohl

Lasiocampids are small to very large, stout-bodied, hairy moths. North American species are medium-sized, with wingspans of 25 to 35 mm. The mouthparts are nonfunctional, the eyes are often hairy, and

the antennae are somewhat feathery, especially in males. Lasiocampid larvae feed primarily on deciduous trees and shrubs. Tent caterpillars live in silken colonies and often cause severe defoliation during cyclical outbreaks.

Approximately 1950 species of lasiocampids are known worldwide, primarily in the tropics. In the Nearctic region, 35 species are known, eight of which occur in nNA. The family in NA was revised by Franclemont (1973).

subfamily Lasiocampinae Harris, 1841

tribe Gastropachini Neumögen & Dyar, 1894

Heteropacha Harvey, 1874

870001 *rileyana* Harvey, 1874 *(Heteropacha)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

Phyllodesma Hübner, 1820

870002E *occidentis* (Walker, 1855) *(Gastropacha)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: This name has been used (beginning with de Lajonquière (1969), and including Franclemont (1973)) as a Pacific Northwest subspecies of *P. americana*. *Phyllodesma occidentis* is now recognized as a full species that is restricted to southeastern USA.

870003 *americana* (Harris, 1841) *(Gastropacha)* R AK YT -- -- BC AB SK MB ON QC LB -- NB NS PE
- a *americana* (Harris, 1841) *(Gastropacha)*
  canadensis Lajonquière, 1969 *(Phyllodesma)*
  clarinervata Lajonquière, 1969 *(Phyllodesma)*
  ferruginea (Packard, 1864) *(Gastropacha)*
  sanctilaurentis Lajonquière, 1969 *(Phyllodesma)*
- b *rockiesensis* Lajonquière, 1969 *(Phyllodesma)*
- c *borealis* Lajonquière, 1969 *(Phyllodesma)*
- d *alascensis* (Packard, 1870) *(Gastropacha)*
- e *californica* (Packard, 1872) *(Gastropacha)*
  angelorum Lajonquière, 1969 *(Phyllodesma)*
  franciscana Lajonquière, 1969 *(Phyllodesma)*
  mildei (Stretch, 1872) *(Gastropacha)*
  roseata (Stretch, 1872) *(Gastropacha)*
- f *dyari* Rivers, 1893 *(Phyllodesma)*
- g *celsivolans* Lajonquière, 1969 *(Phyllodesma)*
  arizonensis Lajonquière, 1969 *(Phyllodesma)*
  texana Lajonquière, 1969 *(Phyllodesma)*
  transiens Lajonquière, 1969 *(Phyllodesma)*

tribe Lasiocampini Harris, 1841

Malacosoma Hübner, 1820
tax info: Fitzgerald (1995)

870014 *disstria* Hübner, 1820 *(Malacosoma)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
anita Reiff, 1913 *(Malacosoma)*
astriata Reiff, 1913 *(Malacosoma)*
drupacearum (Boisduval, 1868) *(Bombyx)*
erosa (Stretch, 1881) *(Clisiocampa)*
nubilis (Guérin-Méneville, 1832) *(Chelonia)*
perversa (Neumögen & Dyar, 1893) *(Clisiocampa)*
sylvatica (Harris, 1841) *(Clisiocampa)*
sylvaticoides (Neumögen & Dyar, 1893) *(Clisiocampa)*
thoracioides (Neumögen & Dyar, 1893) *(Clisiocampa)*

870017 *americana* (Fabricius, 1793) *(Bombyx)* R -- -- -- -- XI E SK MB ON QC -- U NB NS PE
NOTE: Reported by Jones (1951) as possibly occurring in BC. A specimen in the CNC from Cranbrook (BC), collected in 1974 by JDL, is assumed to be an unestablished introduction; this species is otherwise not known west of SK. The NF records by Prentice (1963) and Morris (1980) are unvouchered and may be erroneous.

decipiens (Walker, 1855) *(Clisiocampa)*
frutetorum (Boisduval, 1868) *(Bombyx)*
pensylvanica (Guérin-Méneville, 1832) *(Bombyx)*

870018 *californica* (Packard, 1864) *(Clisiocampa)* R IC -- NT -- BC AB SK MB ON QC -- NF NB NS --
NOTE: The AK record is an interception (Ferris et al. 2012).

a *californica* (Packard, 1864) *(Clisiocampa)* e -- -- -- -- -- e -- -- -- -- -- -- -- -- --
californicornica (Packard, 1864) *(Clisiocampa)*
californica (Walker, 1865) *(Clisiocampa)*
perlutea (Neumögen & Dyar, 1893) *(Clisiocampa)*
pseudoneustria (Boisduval, 1868) *(Bombyx)*
thoracica (Stretch, 1881) *(Clisiocampa)*

b *ambisimile* (Dyar, 1893) *(Clisiocampa)*

c *recenseo* Dyar, 1928 *(Malacosoma)*

d *pluvialis* (Dyar, 1893) *(Clisiocampa)* r -- -- nt -- bc ab sk mb on qc -- nf nb ns --

e *lutescens* (Neumögen & Dyar, 1893) *(Clisiocampa)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

f *fragilis* (Stretch, 1881) *(Clisiocampa)* e -- -- -- -- -- e -- e -- -- -- -- -- -- --
mus (Neumögen, 1893) *(Clisiocampa)*

870019E *incurva* (Edwards, 1882) *(Clisiocampa)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The report from AB by Dod (1906) as *Malacosoma fragilis* var. *constrictina* is erroneous; *constrictina* is now a synonym of *M. incurva*, and *fragilis* is now a subspecies of *M. californica*.

a *incurva* (Edwards, 1882) *(Clisiocampa)*
constrictina (Neumögen & Dyar, 1893) *(Clisiocampa)*

subfamily Macromphaliinae Franclemont, 1973

Tolype Hübner, 1820

870021 *velleda* (Stoll, 1791) *(Phalaena)* R -- -- -- -- E -- -- MB ON QC -- -- NB NS --
NOTE: The BC record by Buckell (1947) is erroneous (Pohl et al. 2015b).
candidatus Cassino, 1928 *(Tolype)*

870024 *laricis* (Fitch, 1856) *(Planosa)* R -- -- -- -- E U SK MB ON QC -- -- NB NS PE
NOTE: Historical records of this species in BC and AB have not been verified; it may occur in AB but is deemed erroneous for BC.
minuta (Grote, 1864) *(Gastropacha)*

870025E *notialis* Franclemont, 1973 *(Tolype)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON records by Riotte (1992) and Powell & Opler (2009) are erroneous; they are based on pale specimens of *T. laricis*.

870030 *dayi* Blackmore, 1921 *(Tolype)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Superfamily BOMBYCOIDEA Latreille, 1802

72. Family APATELODIDAE Neumögen & Dyar, 1894

by B.C. Schmidt and G.R. Pohl

Apatelodids are small to medium-sized moths with stout bodies and pectinate antennae. The larvae are hairy, and feed on a variety of shrubs and trees.

About 145 species of apatelodids are known worldwide, primarily in the Neotropics. Six species occur in the Nearctic region, two of which are known in nNA. The NA species were treated by Franclemont (1973).

Apatelodes Packard, 1864

890001 *torrefacta* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
floridana Edwards, 1886 *(Apatelodes)*

Olceclostera Butler, 1878

890004 *angelica* (Grote, 1864) *(Parathyris)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
hyalinopuncta (Packard, 1864) *(Apatelodes)*

73. Family BOMBYCIDAE Latreille, 1802 (silkworm moths)

by B.C. Schmidt and G.R. Pohl

Bombycids are medium-sized moths with stout bodies and reduced mouthparts. The larvae are coverd in fine setae.

The bombycids are an Old World group of about 185 species, known in NA only by the domesticated silkworm moth *Bombyx mori* (Linnaeus), which is cultured in captivity. It was treated taxonomically by Franclemont (1973).

subfamily Bombycinae Latreille, 1802

tribe Bombycini Latreille, 1802

Bombyx Linnaeus, 1758

890007	*mori* (Linnaeus, 1758) *(Phalaena)*+	H	--	--	--	--	--	--	--	--	H	H	--	--	--	--	--

74. Family SATURNIIDAE Boisduval, 1837 (giant silk moths)

by B.C. Schmidt and G.R. Pohl

Giant silk moths are medium-sized to very large moths, with wingspans of about 30 to 280 mm. North American species range from 30 to 160 mm in wingspan. The body is heavy and covered in hair-like scales, and the mouthparts are reduced and non-functional. Larvae often have tubercles or spines on the body; the pupae usually are enclosed in silken cocoons, often incorporating leaves. The larvae are frequently polyphagous.

There are about 2350 species of saturniids worldwide, with 76 species recorded in the Nearctic region, 24 of which have been reported from nNA. The NA saturniids were treated in detail by Ferguson (1971, 1972) and Tuskes et al. (1996).

subfamily Ceratocampinae Harris, 1841

Eacles Hübner, 1819

890012	*imperialis* (Drury, 1773) *(Phalaena)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	a *imperialis* (Drury, 1773) *(Phalaena)*	r	--	--	--	--	--	--	--	--	on	--	--	--	--	--	--
	anchicayensis Lemaire, 1971 *(Eacles)*																
	approximans Bouvier, 1923 *(Eacles)*																
	cacicus (Boisduval, 1868) *(Basilona)*																
	decoris Rothschild, 1907 *(Eacles)*																
	didyma (Beauvois, 1805) *(Bombyx)*																
	imperatoria (Smith, 1797) *(Phalaena)*																
	magnifica Walker, 1855 *(Eacles)*																
	nobilis Neumögen, 1891 *(Eacles)*																
	opaca (Burmeister, 1878) *(Ceratocampa)*																
	punctatissima Neumögen, 1891 *(Eacles)*																
	quintanensis Lemaire, 1971 *(Eacles)*																
	tucumana Rothschild, 1907 *(Eacles)*																
	b *pini* Michener, 1950 *(Eacles)*	r	--	--	--	--	--	--	--	--	on	qc	--	--	--	--	--

Anisota Hübner, 1820

890014	*stigma* (Fabricius, 1775) *(Bombyx)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	NS	--
	fuscosa Ferguson, 1971 *(Anisota)*																
	stygma (Boisduval, 1872) *(Adelocephala)*																
890015	*manitobensis* McDunnough, 1921 *(Anisota)*	R	--	--	--	--	--	--	P	MB	--	--	--	--	--	--	--

890017 *virginiensis* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- P MB ON QC -- -- NB NS E
NOTE: The PE record by Troubridge & Lafontaine (2003) is a database error.
astynome (Olivier, 1790) *(Bombyx)*
discolor Ferguson, 1971 *(Anisota)*
pellucida (Smith, 1797) *(Phalaena)*
sinulis Riotte, 1970 *(Anisota)*

890018 *senatoria* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- -- -- -- ON U -- -- -- -- --
NOTE: Historical records of this species have not been verified, and may refer to *A. virginiensis*.

890019 *finlaysoni* Riotte, 1969 *(Anisota)* R -- -- -- -- -- -- -- -- ON EP -- -- -- -- --
NOTE: This species was reported from QC by Troubridge & Lafontaine (2003), but that is erroneous. The species was reported as "possible" in QC by Handfield (2011).

***Dryocampa* Harris, 1833**

890022 *rubicunda* (Fabricius, 1793) *(Bombyx)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
alba Grote, 1874 *(Dryocampa)*
pallida Bowles, 1875 *(Dryocampa)*
roseilinea (Schaus, 1920) *(Adelocephala)*
semialba Schüssler, 1936 *(Dryocampa)*
sperryae (Bower, 1942) *(Anisota)*

***Sphingicampa* Walsh, 1864**
Syssphinx Hübner, 1819

890024 *bicolor* (Harris, 1841) *(Dryocampa)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
distigma Walsh, 1864 *(Sphingicampa)*
immaculata (Jewett, 1882) *(Adelocephala)*
suprema Neumögen, 1885 *(Sphingicampa)*

subfamily Hemileucinae Grote & Robinson, 1866

tribe Hemileucini Grote & Robinson, 1866

***Coloradia* Blake, 1863**

890034 *pandora* Blake, 1863 *(Coloradia)* S -- -- -- -- S -- -- -- -- -- -- -- -- -- --
NOTE: The sole Canadian record of this species is an old specimen from Victoria (BC) that is either a stray or an accidental introduction (Pohl et al. 2015b).
a *pandora* Blake, 1863 *(Coloradia)* s -- -- -- -- s -- -- -- -- -- -- -- -- -- --
lindseyi Barnes & Benjamin, 1926 *(Coloradia)*
loiperda Dyar, 1912 *(Coloradia)*
b *davisi* Barnes & Benjamin, 1926 *(Coloradia)*
bonniwelli Barnes & Benjamin, 1926 *(Coloradia)*
chiricahua Barnes & Benjamin, 1926 *(Coloradia)*

***Hemileuca* Walker, 1855**

maia group Tuskes et al., 1996

890040E *maia* (Drury, 1773) *(Phalaena)* E -- -- -- -- -- -- -- E -- -- -- -- -- E --
NOTE: This species does not occur in Canada, other than the populations of uncertain identity from southern ON and QC, which are treated under the name *H. lucina* below. The uncertain MB record by Hanham (1899) refers to *H. nevadensis*. Holland's (1908) erroneous NS record is mentioned in Ferguson (1971).

890041 *lucina* Edwards, 1887 *(Hemileuca)* R -- -- -- -- -- -- E E ON QC -- -- -- -- --
NOTE: Great Lakes populations (ON, QC, MN, WI, MI, NY) are of uncertain identity, likely *H. maia*, *H. lucina*, or *H. nevadensis*, or perhaps a hybrid population (Tuskes et al. 1996). They are treated here pending taxonomic clarification, and are listed as "Endangered" in Canada by COSEWIC (2016) under the name "Bogbean Buckmoth". The record of "*H. lucina latifascia*" from SK by McGugan (1958) refers to *H. nevadensis* (*latifascia* is now a synonym of *H. nevadensis*). Hanham's (1899) record of "*H. maia lucina*" from MB is also deemed erroneous, referring to *H. nevadensis*.
lutea Reiff, 1910 *(Hemileuca)*
obsoleta Reiff, 1910 *(Hemileuca)*

890042 *nevadensis* Stretch, 1872 *(Hemileuca)* R -- -- -- -- -- AB SK MB ON -- -- -- -- -- --
artemis Packard, 1893 *(Hemileuca)*
californica Wright, 1888 *(Hemileuca)*
latifascia Barnes & McDunnough, 1916 *(Hemileuca)*

eglanterina group Tuskes et al., 1996

890052 *eglanterina* (Boisduval, 1852) *(Saturnia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *eglanterina* (Boisduval, 1852) *(Saturnia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
boisduvali (Oberthür, 1912) *(Pseudohazis)*
denudata (Neumögen, 1891) *(Pseudohazis)*
harrisi (Oberthür, 1914) *(Pseudohazis)*
b *shastaensis* (Grote, 1880) *(Pseudohazis)* e -- -- -- -- e -- -- -- -- -- -- -- -- --
normalis (Dyar & Cockerell, 1914) *(Pseudohazis)*
c *annulata* Ferguson, 1971 *(Hemileuca)*
890053 *nuttalli* (Strecker, 1875) *(Pseudohazis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).
arizonensis (Strecker, 1878) *(Pseudohazis)*
uniformis (Cockerell, 1914) *(Pseudohazis)*
washingtonensis (Medlar, 1944) *(Pseudohazis)*
890054 *hera* (Harris, 1841) *(Saturnia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
a *hera* (Harris, 1841) *(Saturnia)* r -- -- -- -- bc ab sk -- -- -- -- -- -- -- --
chrysocarena (Harris, 1869) *(Hera)*
pica Walker, 1855 *(Hemileuca)*
b *marcata* (Neumögen, 1891) *(Pseudohazis)*
gunderi (Hill, 1924) *(Pseudohazis)*
c *magnifica* (Rotger, 1948) *(Pseudohazis)*

Automeris **Hübner, 1819**

890055 *io* (Fabricius, 1775) *(Bombyx)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
a *io* (Fabricius, 1775) *(Bombyx)* r -- -- -- -- -- -- -- mb on qc -- -- nb ns --
argus Neumögen & Dyar, 1893 *(Automeris)*
caeca Igel, 1928 *(Automeris)*
coloradensis Cockerell, 1914 *(Automeris)*
corollaria (Perry, 1810) *(Phalaena)*
lilith (Strecker, 1878) *(Hyperchiria)*
lutheri Cockerell, 1914 *(Automeris)*
mexicana Draudt, 1929 *(Automeris)*
packardi Schüssler, 1934 *(Automeris)*
texana Barnes & Benjamin, 1923 *(Automeris)*
varia (Walker, 1855) *(Hyperchiria)*
b *neomexicana* Barnes & Benjamin, 1923 *(Automeris)*

Hemileucinae (unplaced)

Ormiscodes **Blanchard, 1852**

890063E *ribesii* Edwards, 1875 *(Ormiscodes)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: This species was described from a reared female from "Esquimault" (BC) by Edwards (1875). Then ESBC (1906) subsequently listed it as a questionable record for BC. That is the only known report of this tropical species from NA; Ferguson (1971) presumed it was either mislabelled or an accidental introduction.

subfamily Saturniinae Boisduval, 1837

tribe Saturniini Boisduval, 1837

Antheraea Hübner, 1819

890070 *polyphemus* (Cramer, 1776) *(Phalaena)* R -- -- NT -- BC AB SK MB ON QC LB -- NB NS PE
albida (Bouvier, 1936) *(Telea)*
brunnea (Sageder, 1933) *(Telea)*
fenestra (Perry, 1811) *(Phalaena)*
flava (Grote, 1903) *(Telea)*
fumosus (Wurster, 1930) *(Telea)*
intermedia (Bouvier, 1936) *(Telea)*
nigra (Schüssler, 1936) *(Telea)*
nigrescens (Schüller, 1936) *(Telea)*
olivacea (Cockerell, 1914) *(Telea)*
polypheme (Hübner, 1819) *(Telea)*
tuxtlasensis Balcazar & Vasquez, 1994 *(Antheraea)*
vinacea (Schüssler, 1936) *(Telea)*
wilfriedi (Sageder, 1933) *(Telea)*

Actias Leach, 1815

890072 *luna* (Linnaeus, 1758) *(Phalaena)* R -- -- U -- -- AB SK MB ON QC -- NF NB NS PE
NOTE: This species has expanded westwards into northeastern AB in recent years (Pohl et al. 2012). The NT record, based on a photograph of a larva from Ft. Smith, taken in 2011, is unverified but plausible.
bolli (Wagner, 1876) *(Saturnia)*
dictynna (Walker, 1855) *(Tropaea)*
lacrimens (Niepelt, 1932) *(Tropaea)*
maasseni Kirby, 1892 *(Actias)*
mariae (Benjamin, 1922) *(Tropaea)*
rossii Ross, 1872 *(Actias)*
rubromarginata (Davis, 1912) *(Tropaea)*
rubrosuffusa (Cockerell, 1914) *(Tropaea)*

tribe Attacini Blanchard, 1840

Samia Hübner, 1819

890074 *cynthia* (Drury, 1773) *(Phalaena)*+ XT -- -- -- -- -- -- -- -- XT -- -- -- -- -- --
NOTE: This species was introduced to NA for silk production. It was introduced or escaped captivity in various localities over the past century, but only maintains a viable wild population in the eastern USA between New York City and Washington, DC. It is known in Canada from a specimen in the MMMN collected at London (ON) by Norman Criddle that emerged at Aweme (MB) on 20 July 1905, and from a specimen in the ROM from downtown Toronto (ON). It may well have established temporary populations in these places, but it is deemed to be extirpated in Canada. Four specimens labelled as being from Miniota (MB) in the MMMN are thought to be imported reared material, as no host plant is available there.
walkeri of authors (not Felder, 1862) *(Philosamia)*

Callosamia Packard, 1864

890079 *promethea* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- -- S ON QC -- -- NB -- --
NOTE: Considered to be a stray in MB, where records are known from the MMMN and CNC. These may represent reared specimens.
caeca Cockerell, 1914 *(Callosamia)*

890080 *angulifera* (Walker, 1855) *(Samia)* R -- -- -- -- E -- -- -- ON -- -- -- -- -- --
NOTE: Anderson (1904) reported this species from BC under the Old World name *C. socialis* (Feisthamer), under a previous taxonomic arrangement. That record is erroneous, probably based on imported reared material.
aurantiaca Igel, 1928 *(Callosamia)*

***Hyalophora* Duncan, 1841**

890082 *cecropia* (Linnaeus, 1758) *(Phalaena)* R -- -- -- -- E AB SK MB ON QC -- -- NB NS PE
NOTE: This species arrived in AB in the early 1900s, with the planting of Manitoba Maple (*Acer negundo* L.) on the prairies. It has not been seen in AB since 1967 and may be extirpated. The BC record by Anderson (1904) is erroneous.
albofasciata (Sageder, 1933) *(Samia)*
diana (Castiglioni, 1790) *(Bombyx)*
macula (Reiff, 1911) *(Samia)*
obscura (Sageder, 1933) *(Samia)*
uhlerii (Polacek, 1928) *(Samia)*

890083 *columbia* (Smith, 1865) *(Samia)* R -- -- -- -- E E E MB ON QC -- -- NB NS PE
NOTE: Reported from western Canada on the basis of a previous taxonomic arrangement. Those records refer to *H. gloveri; H. columbia* does not occur west of MB.

890084 *gloveri* (Strecker, 1872) *(Platysamia)* R -- -- NT -- BC AB SK MB E -- -- -- -- -- --
NOTE: Records from east of MB refer to *H. columbia*.
nokomis (Brodie, 1894) *(Platysamia)*
reducta (Neumögen, 1891) *(Platysamia)*
winonah (Brodie, 1894) *(Platysamia)*

890085 *euryalus* (Boisduval, 1855) *(Saturnia)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: The mapping of "*kasloensis*" hybrid populations in AB by Tuskes et al. (1996) is erroneous; the hybrid populations are restricted to BC.
californica (Grote, 1865) *(Platysamia)*
ceanothi (Boisduval, 1869) *(Saturnia)*
cedrosensis (Cockerell, 1914) *(Samia)*
kasloensis (Cockerell, 1914) *(Samia)*
parvimacula (Grote, 1903) *(Samia)*
rubra (Neumögen & Dyar, 1894) *(Samia)*

75. Family SPHINGIDAE Latreille, 1802 (sphinx moths; hornworms)

by B.C. Schmidt and G.R. Pohl

Sphinx moths are medium-sized to large moths (wingspans of 30 to 180 mm), with heavy bodies, long, narrow forewings and relatively small hind wings. Most larvae lack obvious hairs and usually have a spine or button-like process near the end of the body, thus giving them the name hornworms. The adults of many species are nectar feeders; larvae feed on a variety of plants.

About 1460 species of Sphingidae are known worldwide. The Nearctic region has approximately 130 species, 60 of which have been reported from nNA. One more is expected in the region. Hodges (1971) and Tuttle (2007) covered the North American Sphingidae; Kitching and Cadiou (2000) provided a complete world catalogue.

subfamily Sphinginae Latreille, 1802

tribe Acherontiini Boisduval, [1875]

***Agrius* Hübner, 1819**

890086 *cingulata* (Fabricius, 1775) *(Sphinx)* S -- -- -- -- S -- -- -- S S -- S S S --
affinis (Goeze, 1780) *(Sphinx)*
decolora (Edwards, 1882) *(Sphinx)*
druraei (Donovan, 1810) *(Sphinx)*
pungens (Eschscholtz, 1821) *(Sphinx)*

tribe Sphingini Latreille, 1802

***Manduca* Hübner, 1807**

890090 *sexta* (Linnaeus, 1763) *(Sphinx)* R IC -- -- -- -- -- -- -- ON -- -- -- U -- --
NOTE: The AK record by Ferris et al. (2012) was an interception in tomato seedlings. The NB record by McIntosh (1904) is unverified; if it occurs there it is only as a stray or unestablished introduction.

caestri (Blanchard, 1854) *(Sphinx)*
carolina (Linnaeus, 1764) *(Sphinx)*
griseata (Butler, 1875) *(Protoparce)*
jamaicensis (Butler, 1877) *(Protoparce)*
luciae (Gehlen, 1928) *(Protoparce)*
lycopersici (Boisduval, 1875) *(Sphinx)*
nicotianae (Boisduval, 1875) *(Sphinx)*
nicotianae (Ménétriés, 1857) *(Sphinx)*
paphus (Cramer, 1779) *(Sphinx)*

890091 *quinquemaculata* (Haworth, 1803) *(Sphinx)* R -- -- -- -- BC P SK MB ON QC -- -- NB NS --
NOTE: Tuttle (2007) reports this species "across the southern end of the prairie provinces", but does not mention AB specifically. The species may occur in AB but no records are known.
blackburni (Butler, 1880) *(Protoparce)*
celeus (Hübner, [1821]) *(Phlegethontius)*
wirti (Schaus, 1927) *(Protoparce)*

890092 *rustica* (Fabricius, 1775) *(Sphinx)* S -- -- -- -- -- -- -- S S S -- -- -- -- --
NOTE: This southern species strays north occasionally into Canada, but is known to breed only as far north as DE (Tuttle 2007).
chionanthi (Smith, 1797) *(Sphinx)*
galapagensis (Holland, 1889) *(Protoparce)*
harterti (Rothschild, 1894) *(Phlegethontius)*
nigrita (Rothschild & Jordan, 1903) *(Protoparce)*
postscripta (Clark, 1926) *(Protoparce)*

890096 *jasminearum* (Guérin-Méneville, [1832]) *(Sphinx)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: The first Canadian record of this species was documented by M. Matheson on 21 July 2017 in Leamington (ON). As this is a resident species in the southern Great Lakes region of the USA that feeds on native ash (*Fraxinus* spp.), it is likely a localized resident in ON.
jasmincarum (Boisduval, 1875) *(Sphinx)*
rotundata (Rothschild, 1894) *(Macrosila)*

890097E *occulta* (Rothschild & Jordan, 1903) *(Protoparce)* IC -- -- -- -- -- -- -- -- -- IC -- -- -- -- --
NOTE: The QC record by Handfield (2011) is an interception.

Dolba Walker, 1856

890100 *hyloeus* (Drury, 1773) *(Sphinx)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
floridensis Clark, 1919 *(Dolba)*
hylaeus of authors, [no date] *(Dolba)*
prini (Smith, 1797) *(Sphinx)*

Ceratomia Harris, 1839

890102 *amyntor* (Geyer, 1835) *(Agrius)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
quadricornis Harris, 1839 *(Ceratomia)*
ulmi Boisduval, 1875 *(Ceratomia)*

890103 *undulosa* (Walker, 1856) *(Daremma)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
borealis Clark, 1929 *(Ceratomia)*
engeli Chermock & Chermock, 1940 *(Ceratomia)*
polingi Clark, 1929 *(Ceratomia)*
repentinus Clemens, 1859 *(Ceratomia)*

890105 *catalpae* (Boisduval, 1875) *(Sphinx)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --
kanawahensis Sweadner, Chermock & Chermock, 1940 *(Ceratomia)*
kansensis Howe & Howe, 1950 *(Ceratomia)*

890106 *hageni* Grote, 1874 *(Ceratomia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Known in Canada from a specimen taken in southern ON recently by JTT.

Paratrea Grote, 1903

890110 *plebeja* (Fabricius, 1777) *(Sphinx)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

Sphinx Linnaeus, 1758

890111 *chersis* (Hübner, [1823]) *(Lethia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
cinerea Harris, 1839 *(Sphinx)*
mexicanus (Rothschild & Jordan, 1903) *(Hyloicus)*
oreodaphne Edwards, 1873 *(Sphinx)*
pallescens (Rothschild & Jordan, 1903) *(Hyloicus)*

890112 *vashti* Strecker, 1878 *(Sphinx)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
albescens Tepper, 1881 *(Sphinx)*
gerhardi (Barnes & Benjamin, 1924) *(Hyloicus)*
mordecai McDunnough, 1923 *(Sphinx)*

890114 *perelegans* Edwards, 1874 *(Sphinx)* R -- -- -- -- BC P -- E -- -- -- -- -- -- --
NOTE: A voucher specimen for the MB record by Heath (1904) has been redetermined as *S. vashti*.
vancouverensis Edwards, 1874 *(Sphinx)*

890116 *canadensis* Boisduval, 1875 *(Sphinx)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS PE
plota Strecker, 1875 *(Sphinx)*

890118 *kalmiae* Smith, 1797 *(Sphinx)* R -- -- -- -- -- -- SK MB ON QC -- NF NB NS PE

890119 *gordius* Cramer, 1780 *(Sphinx)* R -- -- -- -- E EP SK MB E E -- E E E --
NOTE: Most Canadian records of this species are actually *S. poecila*, not recognized as a distinct species until recently (Riotte 1980). All examined ON specimens are *S. poecila*, contrary to the range depicted by Tuttle (2007).
borealis Clark, 1920 *(Sphinx)*
campestris McDunnough, 1931 *(Sphinx)*
coxeyi Cadbury, 1931 *(Sphinx)*
oslari (Rothschild & Jordan, 1903) *(Hyloicus)*

890120 *pinastri* Linnaeus, 1758 *(Sphinx)*+ U -- -- -- -- -- U -- -- -- -- -- -- -- -- --
NOTE: The AB record of this Eurasian species by Dod (1914) represents either a misidentification or an unestablished interception (Pohl et al. 2010). Introduced populations of this species have persisted at times in NA, but it is currently considered extirpated here.
saniptri Strecker, 1876 *(Sphinx)*

890121 *poecila* Stephens, 1828 *(Sphinx)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: A NT record by T. Andrews was reported by Oehlke (2014).

890122 *luscitiosa* Clemens, 1859 *(Sphinx)* R E YT NT -- BC AB SK MB ON QC -- -- NB NS PE
NOTE: The depiction of this species' range extending into central AK on a map in Tuttle (2007) is erroneous. It is known from YT, but not AK.
benjamini Clark, 1932 *(Sphinx)*
bombax Barnes & Benjamin, 1927 *(Sphinx)*
borealis Clark, 1930 *(Sphinx)*
una Skinner, 1903 *(Sphinx)*

890123 *drupiferarum* Smith, 1797 *(Sphinx)* R -- -- -- -- BC AB SK MB ON QC -- U NB NS PE
NOTE: The NF records by Morris (1980) and McGugan (1958) are based on a larval collection and are treated here as unverified.
marginalis Clark, 1936 *(Sphinx)*
utahensis Edwards, 1881 *(Sphinx)*

Lintneria Butler, 1877

890128 *eremitus* (Hübner, 1823) *(Agrius)* R -- -- -- -- -- -- -- MB ON QC -- -- -- NS --
mccrearyi (Clark, 1929) *(Sphinx)*
sordida (Harris, 1839) *(Sphinx)*

Lapara Walker, 1856

890135 *coniferarum* (Smith, 1797) *(Sphinx)* R -- -- -- -- -- -- -- E -- -- -- -- -- NS --
NOTE: Two specimens in the CMNH are labelled as being from NS, with no further details. As reported by Riotte (1972), these are the only known Canadian specimens. Brodie's (1929) MB record refers to *L. bombycoides*.
cana (Butler, 1877) *(Sphinx)*
halicarnie (Strecker, 1880) *(Sphinx)*

890136 *bombycoides* Walker, 1856 *(Lapara)* R -- -- -- -- U AB SK MB ON QC -- -- NB NS PE
NOTE: The report from BC by Riotte (1972) is unverified, but it could occur in the province in the boreal forests of the northeast (Pohl et al. 2015b).
harrisii (Clemens, 1859) *(Ellema)*
pineum (Lintner, 1872) *(Ellema)*

subfamily Smerinthinae Grote & Robinson, 1865

tribe Smerinthini Grote & Robinson, 1865

Smerinthus Latreille, 1802

890140 *jamaicensis* (Drury, 1773) *(Sphinx)* R -- YT EP -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: The range map in Tuttle (2007) includes the southwestern corner of NT. It is expected there, but no actual NT records are known.
clarkii Franck, 1913 *(Smerinthus)*
flavitincta Nixon, 1912 *(Smerinthus)*
gamma Cockerell, 1925 *(Smerinthus)*
geminatus Say, 1824 *(Smerinthus)*
tripartitus (Grote, 1886) *(Calasymbolus)*

890141 *cerisyi* Kirby, 1837 *(Smerinthus)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
astarte Strecker, 1885 *(Smerinthus)*
borealis Clark, 1929 *(Smerinthus)*
nigrescens Clark, 1919 *(Smerinthus)*
pallidulus Edwards, 1875 *(Smerinthus)*
vancouveriensis Butler, 1877 *(Smerinthus)*

890142 *ophthalmica* Boisduval, 1855 *(Smerinthus)* R AK -- -- -- BC AB P -- -- -- -- -- -- -- --

890143E *saliceti* Boisduval, 1875 *(Smerinthus)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The BC record of this southern USA species by Jones (1951) is erroneous. Specimens from western Canada that are similar in appearance to *S. saliceti* are currently considered to be *S. ophthalmica* (Pohl et al. 2015b).

Paonias Hübner, [1819]

890144 *excaecata* (Smith, 1797) *(Sphinx)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
borealis (Clark, 1920) *(Calasymbolus)*
pavonina Geyer, 1837 *(Paonias)*
pecosensis Cockerell, 1905 *(Paonias)*

890145 *myops* (Smith, 1797) *(Sphinx)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
cerasi (Boisduval, 1875) *(Smerinthus)*
emmeli Eitschberger, 2002 *(Paonias)*
hyatti Eitschberger, 2002 *(Paonias)*
mccrearyi (Clark, 1929) *(Calasymbolus)*
occidentalis (Clark, 1919) *(Calasymbolus)*
oplerorum Eitschberger, 2002 *(Paonias)*
rosacearum (Boisduval, 1836) *(Smerinthus)*
sorbi (Boisduval, 1875) *(Smerinthus)*
tiliastri (Boisduval, 1875) *(Smerinthus)*

890146 *astylus* (Drury, 1773) *(Sphinx)* R -- -- -- -- -- -- -- -- -- P -- -- -- NS --
integerrima (Harris, 1839) *(Smerinthus)*
io (Guérin-Méneville, 1831) *(Sphinx)*

Amorpha Hübner, 1809

890147 *juglandis* (Smith, 1797) *(Sphinx)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
alpina (Clark, 1927) *(Cressonia)*
hyperbola (Slosson, 1890) *(Cressonia)*
instibilis (Butler, 1877) *(Sphinx)*
manitobae (Clark, 1930) *(Cressonia)*
pallens (Strecker, 1873) *(Smerinthus)*
robinsonii (Butler, 1877) *(Cressonia)*

Pachysphinx Rothschild & Jordan, 1903

890148 *modesta* (Harris, 1839) *(Smerinthus)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE
borealis Clark, 1929 *(Pachysphinx)*

cablei (Reizenstein, 1881) *(Smerinthus)*
populicola (Boisduval, 1875) *(Smerinthus)*
princeps (Walker, 1856) *(Smerinthus)*

890149 *occidentalis* (Edwards, 1875) *(Smerinthus)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
imperator (Strecker, 1878) *(Smerinthus)*
kunzei Rothschild & Jordan, 1903 *(Pachysphinx)*

subfamily Macroglossinae Harris, 1839

tribe Dilophonotini Burmeister, 1878

Erinnyis Hübner, 1819

890152 *alope* (Drury, 1773) *(Sphinx)* S -- -- -- -- -- -- S -- -- -- -- -- -- -- --
NOTE: This tropical species commonly strays northward, as evidenced by a specimen collected in SK (Hooper 2001). It is known to breed only as far north as TX and perhaps AZ (Tuttle 2007).
edwardsii (Butler, 1881) *(Anceryx)*
fasciata (Swainson, 1823) *(Sphinx)*
flavicans (Goeze, 1780) *(Sphinx)*

890154 *ello* (Linnaeus, 1758) *(Sphinx)* S -- -- -- -- -- -- -- -- S S -- -- -- -- --
NOTE: A tropical species that breeds in southern USA and occasionally strays northward as far as southern Canada (Tuttle 2007).

890156 *obscura* (Fabricius, 1775) *(Sphinx)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: This tropical species breeds only as far north as southern USA. It strays as far north as southern ON (Tuttle 2007).
cinerosa Grote & Robinson, 1865 *(Erinnyis)*
conformis Rothschild & Jordan, 1903 *(Erinnyis)*
domingonis (Butler, 1875) *(Dilophonota)*
festa (Edwards, 1882) *(Dilophonota)*
pallida Grote, 1865 *(Erinnyis)*
rhaebus (Boisduval, 1870) *(Anceryx)*
socorroensis Clark, 1926 *(Erinnyis)*
stheno Geyer, 1829 *(Erinnyis)*

Aellopos Hübner, 1819

890168E *tantalus* (Linnaeus, 1758) *(Sphinx)* E -- -- -- -- -- -- -- E -- E -- -- -- E --
NOTE: Reports of this tropical species from MB by Troubridge & Lafontaine (2003), from Montreal (QC) by Forbes (1948), and NS by Ferguson (1954a) are deemed erroneous, as no verified Canadian vouchers are known. These probably refer to *A. titan*, which strays northwards much more readily than *A. tantalus*.

890170 *titan* (Cramer, 1777) *(Sphinx)* S -- -- -- -- -- -- -- S S S -- -- -- -- --
NOTE: This species breeds only as far north as southern TX, but occasionally strays northwards as far as southern Canada (Tuttle 2007).

890171 *fadus* (Cramer, 1776) *(Sphinx)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: A stray of this South American species was collected in ON and is deposited in the CNC. It is otherwise known in NA from only a few strays in southern USA (Hodges 1971, Tuttle 2007).
annulosum (Swainson, 1823) *(Macroglossum)*
balteata (Kirtland, 1851) *(Macroglossa)*

Hemaris Dalman, 1816

890177 *thysbe* (Fabricius, 1775) *(Sesia)* R AK YT NT U BC AB SK MB ON QC E NF NB NS PE
NOTE: Troubridge & Lafontaine (2003) report this species from LB but that is deemed erroneous as no LB vouchers are known. The range map in Tuttle (2007) indicates that this species occurs in southeastern NU but no specific records are known and that may be a mapping artifact.
buffaloensis (Grote & Robinson, 1867) *(Haemorrhagia)*
cimbiciformis (Stephens, 1828) *(Sesia)*
etolus (Boisduval, 1875) *(Macroglossa)*
floridensis (Grote & Robinson, 1867) *(Haemorrhagia)*
fuscicaudis (Walker, 1856) *(Sesia)*
pelasgus (Cramer, 1780) *(Sphinx)*
pyramus (Boisduval, 1875) *(Macroglossa)*
ruficaudus (Kirby, 1837) *(Sesia)*

uniformis (Grote & Robinson, 1868) *(Sesia)*

890178 *gracilis* (Grote & Robinson, 1865) *(Haemorrhagia)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE

890179 *diffinis* (Boisduval, 1836) *(Macroglossa)* R E -- NT -- BC AB SK MB ON QC -- -- NB NS --
NOTE: All known AK records of this species are actually *H. thetis*.

aethra (Strecker, 1875) *(Macroglossa)*
ariadne (Barnes & McDunnough, 1910) *(Haemorrhagia)*
axillaris (Grote & Robinson, 1868) *(Sesia)*
fumosa (Strecker, 1874) *(Macroglossa)*
grotei (Butler, 1874) *(Sesia)*
marginalis Grote, 1873 *(Hemaris)*
metathetis Butler, 1877 *(Hemaris)*
tenuis Grote, 1873 *(Hemaris)*

890180 *thetis* (Boisduval, 1855) *(Macroglossa)* R AK P -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) refers to *H. diffinis*.

brucei French, 1890 *(Hemaris)*
cynoglossum Edwards, 1875 *(Hemaris)*
heppneri Eitschberger, Danner & Surholt, 1996 *(Hemaris)*
jordani Barnes & Benjamin, 1927 *(Hemaris)*
mcdunnoughi Clark, 1927 *(Hemaris)*
minima Frankenbusch, 1925 *(Hemaris)*
palpalis Grote, 1874 *(Hemaris)*
rubens Edwards, 1875 *(Hemaris)*
senta (Strecker, 1878) *(Macroglossa)*

tribe Philampelini Burmeister, 1878

Eumorpha Hübner, 1807

890181E *satellitia* (Linnaeus, 1771) *(Sphinx)* E -- -- -- -- -- -- -- -- E E -- -- -- E --
NOTE: Records from ON by Belton (1988), from QC by Forbes (1948), and from NS by Ferguson (1954a) all refer to *E. pandorus*. At one time *E. pandorus* was thought to be a race of *E. satellitia*. The latter is now recognized as a separate species that does not occur in nNA.

890182 *pandorus* (Hübner, 1821) *(Daphnis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

ampelophaga (Walker, 1856) *(Philampelus)*

890184 *achemon* (Drury, 1773) *(Sphinx)* R -- -- -- -- -- -- S M ON S -- -- -- -- --
NOTE: This species appears to be resident in parts of southern ON, but is a stray elsewhere in southern Canada; it has produced a generation of offspring in MB but is not known to overwinter successfully there (Tuttle 2007).

crantor (Cramer, 1777) *(Sphinx)*
trigon (Gehlen, 1926) *(Pholus)*

890186E *vitis* (Linnaeus, 1758) *(Sphinx)* E -- -- -- -- -- -- -- -- -- -- -- -- -- E --
NOTE: The sole Canadian record of this species (McNabs I. (NS) reported by Perrin & Russell (1912) was based on a single specimen in the NSPM that has been redetermined as *E. fasciatus* Ferguson (1954a).

890187 *fasciatus* (Sulzer, 1776) *(Sphinx)* S -- -- -- -- -- -- -- -- S E -- -- S S --
NOTE: The QC record by Handfield (1999) was deemed erroneous by Handfield (2011). All Canadian records are strays, with no evidence of breeding populations (Tuttle 2007).

jussieuae (Hübner, 1819) *(Dupo)*
strigilis (Vogel, 1822) *(Sphinx)*

890188 *labruscae* (Linnaeus, 1758) *(Sphinx)* M -- -- -- -- -- -- M S -- -- -- -- S -- --
NOTE: This tropical species strays northward as far as southern Canada, and a brood of larvae was once found in southern SK (Hooper 2001; Tuttle 2007).

clotho (Fabricius, 1775) *(Sphinx)*

tribe Macroglossini Harris, 1839

Sphecodina Blanchard, 1840

890192 *abbottii* (Swainson, 1821) *(Thyreus)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Deidamia Clemens, 1859

890193 *inscripta* (Harris, 1839) *(Pterogon)*‡ R -- -- -- -- E -- -- -- ON QC -- -- -- -- --
NOTE: This introduced species was reported in error from BC by Smith (1994).

Amphion Hübner, 1819

890194 *floridensis* Clark, 1920 *(Amphion)* R -- -- -- -- -- S S MB ON QC -- -- NB NS PE
NOTE: Specimens west of southeastern MB are considered strays.
nessus (Cramer, 1777) *(Sphinx)*

Proserpinus Hübner, 1819
Arctonotus Boisduval, 1852

890195P *lucidus* (Boisduval, 1852) *(Arctonotus)* P -- -- -- -- P -- -- -- -- -- -- -- -- -- --
NOTE: This species was listed as "probable" for BC by Tuttle (2007).
clarki (Barnes & Benjamin, 1923) *(Arctonotus)*

890197 *juanita* (Strecker, 1877) *(Pterogon)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
oslari Rothschild & Jordan, 1903 *(Proserpinus)*

890198 *clarkiae* (Boisduval, 1852) *(Pterogon)* R -- -- -- -- BC U -- E -- -- -- -- -- -- --
NOTE: Powell & Opler (2009) cited reports from MB that "likely refer to *P. juanita* (Strecker)". That is most likely the case; *P. clarkiae* is otherwise restricted to the western Cordillera. The report of this species from AB by Hodges (1971) could not be verified.
victoria (Grote, 1874) *(Lepisesia)*

890199 *flavofasciata* (Walker, 1856) *(Macroglossa)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS --
rachel (Bruce, 1901) *(Lepisesia)*
ulalume (Strecker, 1878) *(Macroglossa)*

Darapsa Walker, 1856

890206 *versicolor* (Harris, 1839) *(Choerocampa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
lutescens (Clark, 1920) *(Ampeloeca)*

890207 *myron* (Cramer, 1780) *(Sphinx)* R -- -- -- -- -- -- -- MB ON QC -- -- -- NS --
cnotus (Hübner, 1823) *(Otus)*
lutescens (Clark, 1920) *(Ampeloeca)*
pampinatrix (Smith, 1797) *(Sphinx)*
texana (Clark, 1920) *(Ampeloeca)*

890208 *choerilus* (Cramer, 1780) *(Sphinx)* R -- -- -- -- EP AB SK MB ON QC -- -- NB NS PE
NOTE: The only known BC specimen of this species is labelled as "Ucluelet", which is presumed to be mislabelled or an accidental introduction. This species is expected in BC, but only in the Peace River region in the far northeast. It is known from adjacent AB, near Zama City.
azaleae (Smith, 1797) *(Sphinx)*
brodiei Clark, 1929 *(Darapsa)*
chaerilus (Cramer, 1780) *(Sphinx)*
chlorinda (Butler, 1877) *(Sphinx)*
pholus (Cramer, 1776) *(Sphinx)*

Xylophanes Hübner, 1819

890211 *tersa* (Linnaeus, 1771) *(Sphinx)* S -- -- -- -- -- -- -- -- S S -- -- -- S --
NOTE: Canadian records are strays of this southern species. It is known to breed only as far north as NJ (Tuttle 2007).

Hyles Hübner, 1819
Celerio Agassiz, 1846

890215 *euphorbiae* (Linnaeus, 1758) *(Sphinx)*+ R -- -- -- -- XI AB SK MB ON QC -- -- -- -- --
NOTE: This species was introduced to Canada for biocontrol of spurge (*Euphorbia* spp.), in ON (in 1965), MB, SK, BC (all in 1966), and AB (in 1978) (Kelleher & Hulme 1984). It has since become established across western Canada as far as AB. Although it failed to establish in BC, the species is expanding its range elsewhere and it is expected to successfully colonize BC in the near future.

890216 *gallii* (Rottemburg, 1775) *(Sphinx)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE
canadensis (Guenée, 1877) *(Deilephila)*
chamaenerii (Harris, 1839) *(Deilephila)*
intermedia (Kirby, 1837) *(Deilephila)*
oxybaphi (Clemens, 1859) *(Deilephila)*

890217 *lineata* (Fabricius, 1775) *(Sphinx)* R -- -- -- -- M M M M ON M -- -- M M --
NOTE: Most Canadian specimens represent regular migrants from farther south. Although the species can occasionally produce a summer brood in other parts of Canada, it is known to successfully overwinter in Canada only in extreme southern ON (Tuttle 2007).
daucus (Cramer, 1777) *(Sphinx)*

***Deilephila* Laspeyres, 1809**

890218 *elpenor* (Linnaeus, 1758) *(Sphinx)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Superfamily GEOMETROIDEA Leach, 1815

76. Family URANIIDAE Leach, 1815 (swallowtail moths)

by B.C. Schmidt and G.R. Pohl

Uraniids are small to very large moths, usually with slender bodies. Nearctic species are small, with wingspans of 15 to 20 mm. The family is defined by characters of the abdominal tympanum and wing venation. Some species, including the species in nNA, have notched hind wings.

The family Uraniidae consists of almost 700 described species, mostly in the tropics. Thirteen species are known in the Nearctic region, two of which occur in nNA.

subfamily Epipleminae Hampson [1893]

***Callizzia* Packard, 1876**

910002 *amorata* Packard, 1876 *(Callizzia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

***Calledapteryx* Grote, 1868**

910006 *dryopterata* Grote, 1868 *(Calledapteryx)* R -- -- -- -- -- -- P MB ON QC -- -- -- -- --
erosiata Packard, 1876 *(Calledapteryx)*

77. Family GEOMETRIDAE Stephens, 1829 (inchworm moths; loopers)

by B.C. Schmidt, G.R. Pohl, and J. deWaard

Geometrids are small to very large moths, but Nearctic species are primarily medium-sized, with wingspans ranging from 10 to 70 mm. They are typically slender bodied, with broad, delicate wings. In our fauna, adult wing colours are usually subdued, with browns, greys, whites, and rusts predominating. In a few species, the females have short wings or are wingless. Most larvae have lost the front three of the usual five pairs of prolegs, but some species have retained more than two pairs (with some prolegs reduced). The loss of prolegs results in the looping habit of the moving larva, hence the common name. Most larvae are externally feeding defoliators, although some eat fruits, dead leaves, and stored food products; a few are carnivorous.

The family Geometridae is huge, containing about 23,000 species globally. About 1450 species are described in the Nearctic region; 538 of these have been reported from nNA, and one more is expected. Geometrids are the third-most diverse family in the region. Most Canadian species of geometrids were treated by McGuffin (1967, 1972, 1977, 1981, 1987, 1988) and Bolte (1990), but many genera in the subfamily Larentiinae remain poorly known. Other significant North American works are by Ferguson (1985, 2008). A global catalogue of the Geometridae was published by Scoble (1999), and an updated checklist derived from it is available online (Scoble & Hausmann 2007).

subfamily Larentiinae Duponchel, 1845

tribe Cidariini Duponchel, 1845

***Dysstroma* Hübner, 1825**
Chloroclysta Hübner, 1825

910015 *citrata* (Linnaeus, 1761) *(Phalaena)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *citrata* (Linnaeus, 1761) *(Phalaena)*
immanata (Haworth, 1809) *(Phalaena)*

mulleolata (Hulst, 1881) *(Cidaria)*
b *glacialis* (Hulst, 1898) *(Xanthorhoe)*
longula (Hulst, 1898) *(Xanthorhoe)*

910017 *sobria* Swett, 1917 *(Dysstroma)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --
subumbrata Swett, 1917 *(Dysstroma)*
swetti Blackmore, 1921 *(Dysstroma)*

910018 *suspectata* (Möschler, 1874) *(Cidaria)* R P YT EP -- BC AB SK -- P QC LB NF NB NS --
NOTE: The NT record by McDunnough (1946) has been corrected to *D. infuscata* by subsequent authors, but true *D. suspectata* may occur there.
a *suspectata* (Möschler, 1874) *(Cidaria)*
infuscata of authors (not Tengström, 1869) *(Cidaria)*
b *mackieata* Cassino & Swett, 1923 *(Dysstroma)*

910019 *ochrofuscaria* Ferguson, 1983 *(Dysstroma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
ochrofuscaria Swett, 1917 *(Dysstroma)*

910020 *infuscata* (Tengström, 1869) *(Cidaria)* R AK YT NT -- P AB -- -- -- -- -- -- -- E --
NOTE: The record from NS by Ferguson (1954a) is assumed to refer to *D. truncata*, which he did not report. *Dysstroma infuscata* is otherwise strictly western.

910021 *truncata* (Hufnagel, 1767) *(Phalaena)** R -- E -- -- BC AB SK MB ON QC LB NF NB NS EP
NOTE: The YT record by Lafontaine & Wood (1997) is based on a specimen that has been redetermined as *D. infuscata*. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
b *traversata* (Kellicott, 1886) *(Hydriomena)* r -- -- -- -- bc ab sk mb on qc lb nf nb ns p

910022 *walkerata* (Pearsall, 1909) *(Mesoleuca)* R E E -- -- E AB SK MB ON QC LB NF NB NS EP
NOTE: Reported from BC by many workers, and also from YT and AK; however, all BC, YT, and AK material is *D. pseudimmanata*. *Dysstroma walkerata* is a species of the eastern boreal forest. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

910023 *pseudimmanata* (Heydemann, 1929) *(Cidaria)* R AK YT -- -- BC AB -- -- -- -- -- -- -- --

910024 *hersiliata* (Guenée, [1858]) *(Cidaria)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS PE
a *hersiliata* (Guenée, [1858]) *(Larentia)*
flammifera (Walker, 1862) *(Larentia)*
mirandata (Taylor, 1910) *(Cidaria)*
b *cervinifascia* (Walker, 1862) *(Larentia)*
c *manitoba* McDunnough, 1939 *(Dysstroma)*
infumata McDunnough, 1939 *(Dysstroma)*

910025 *rutlandia* McDunnough, 1943 *(Dysstroma)* R -- -- -- -- -- AB SK U -- -- -- -- -- -- --
NOTE: The MB records in UWPG have not been verified.
perfuscata McDunnough, 1943 *(Dysstroma)*

910026 *formosa* (Hulst, 1896) *(Philereme)* R -- E -- -- BC E E E -- -- -- E E -- --
NOTE: This species occurs only in BC. Populations elsewhere in Canada are erroneous, and refer to a colour form of *D. hersiliata*.
a *formosa* (Hulst, 1896) *(Philereme)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
admiranda McDunnough, 1927 *(Dysstroma)*
boreata (Taylor, 1910) *(Mesoleuca)*
gilvifasciata McDunnough, 1939 *(Dysstroma)*
b *occidentata* (Taylor, 1910) *(Mesoleuca)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
mutata (Taylor, 1910) *(Mesoleuca)*

910027 *colvillei* Blackmore, 1926 *(Dysstroma)* R U -- -- -- BC -- -- -- -- -- -- -- -- --
NOTE: This species was reported as uncertain for AK by Ferris et al. (2012).

910029 *brunneata* (Packard, 1867) *(Cidaria)* R AK P NT -- BC AB SK MB ON QC LB NF U P --
NOTE: The NB record by Lafontaine et al. (2001), repeated by Webster et al. (2005) could not be verified.
a *brunneata* (Packard, 1867) *(Cidaria)* r u -- u -- u u sk mb on qc lb nf u p --
casloata (Taylor, 1910) *(Mesoleuca)*
b *ethela* (Hulst, 1896) *(Mesoleuca)* u -- -- -- -- u u -- -- -- -- -- -- -- -- --

910030 *mancipata* (Guenée, [1858]) *(Cidaria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
a *mancipata* (Guenée, [1858]) *(Cidaria)*
leoninata (Packard, 1871) *(Cidaria)*
subochreata (Packard, 1871) *(Cidaria)*
b *hulstata* (Taylor, 1907) *(Mesoleuca)*
c *decorata* (Taylor, 1910) *(Mesoleuca)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --

***Eulithis* Hübner, 1821**
Lygris Hübner, 1825

910031 *diversilineata* (Hübner, [1813]) *(Petrophora)* R -- -- -- -- -- E E E ON QC -- -- E E --
NOTE: This species occurs in Canada only in southern ON and QC. Historical western and maritime records refer to *E. gracilineata*.
910032 *gracilineata* (Guenée, [1858]) *(Cidaria)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
910034 *propulsata* (Walker, 1862) *(Cidaria)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
packardata (Lintner, 1878) *(Cidaria)*
ximena (Ellsworth, 1918) *(Neolexia)*
910035 *prunata* (Linnaeus, 1758) *(Geometra)*‡ R -- -- -- -- E -- -- -- -- QC -- -- -- E --
NOTE: The BC record by Anderson (1904) and the NS record by Perrin & Russell (1912) are unsupported by vouchers and are assumed to refer to other *Eulithis* species.
910036 *populata* (Linnaeus, 1758) *(Phalaena)*‡ R AK -- -- -- E E -- E -- -- -- -- -- -- --
NOTE: This primarily Eurasian species occurs in NA only in AK. Historical records from western Canada refer to *E. propulsata*.
910037 *testata* (Linnaeus, 1761) *(Phalaena)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
910038 *mellinata* (Fabricius, 1787) *(Phalaena)*+ R -- -- -- -- -- -- -- -- -- QC -- -- -- NS --
910039 *molliculata* (Walker, 1862) *(Cidaria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
remotata (Walker, 1862) *(Cidaria)*
910040 *destinata* (Möschler, 1860) *(Cidaria)* R AK YT -- -- BC AB SK MB ON QC LB NF NB U --
NOTE: Historical NS records could not be verified, but the species likely occurs there.
a *destinata* (Möschler, 1860) *(Cidaria)* r u u -- -- u ab sk mb on qc lb u u -- --
lugubrata (Möschler, 1862) *(Lygris)*
nubilata (Packard, 1867) *(Cidaria)*
similis (Walker, 1862) *(Pelurga)*
b *triangulata* (Packard, 1873) *(Cidaria)* u -- -- -- -- -- u u u u u u u u --
montanata (Packard, 1873) *(Cidaria)*
c *schistacea* (Warren, 1901) *(Polyphasia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
bowmani (Cassino & Swett, 1922) *(Lygris)*
griseata (Cassino & Swett, 1922) *(Lygris)*
d *harveyata* (Taylor, 1906) *(Eustroma)* r -- -- -- -- bc u -- -- -- -- -- -- -- -- --
910041 *flavibrunneata* (McDunnough, 1943) *(Lygris)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS --
unicolorata (McDunnough, 1943) *(Lygris)*
910042 *explanata* (Walker, 1862) *(Cidaria)* R -- -- -- -- U AB SK MB ON QC LB NF NB NS PE
NOTE: The report from BC by Forbes (1948) probably refers to *E. xylina*, as no BC vouchers are known and this species has otherwise not been reported from BC. However, it occurs in adjacent northwestern AB, and almost certainly occurs in the poorly sampled Peace River region of BC.
brunneomaculata (Bates, 1886) *(Rheumaptera)*
cunigerata (Walker, 1863) *(Cidaria)*
disjunctaria (Packard, 1873) *(Cidaria)*
910043 *xylina* (Hulst, 1896) *(Neolexia)* R AK YT NT -- BC AB SK E E E -- -- -- -- --
NOTE: Historical records east of SK are erroneous, this is a strictly western species.
a *xylina* (Hulst, 1896) *(Neolexia)*
b *speciosa* (Hulst, 1896) *(Neolexia)*
910044 *serrataria* (Barnes & McDunnough, 1917) *(Lygris)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS PE

***Eurhinosea* Packard, 1873**

910045 *flavaria* Packard, 1873 *(Eurhinosea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Antepirrhoe* Warren, 1905**
Eustroma Hübner, 1825

910046 *semiatrata* (Hulst, 1881) *(Cidaria)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
macdunnoughi (Blackmore, 1920) *(Eustroma)*
nubilata of authors (not Packard, 1867) *(Cidaria)*
910047 *fasciata* (Barnes & McDunnough, 1918) *(Eustroma)*
R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
910048 *atrifasciata* (Hulst, 1888) *(Cleora)* R AK YT -- -- BC AB -- -- -- -- -- -- -- -- --
delimitata (Warren, 1895) *(Epirrhoe)*

***Ecliptopera* Warren, 1894**

910049 *silaceata* ([Denis & Schiffermüller], 1775) *(Geometra)**
R AK YT -- -- BC AB SK MB ON QC LB NF NB NS PE
b *albolineata* (Packard, 1873) *(Cidaria)* r ak yt -- -- bc ab sk mb on qc lb nf nb ns pe

***Gandaritis* Moore, [1868]**

910050E *atricolorata* (Grote & Robinson, 1867) *(Cidaria)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: Erroneous historical QC records were corrected by Handfield et al. (1997).

***Colostygia* Hübner, 1825**

910052 *circumvallaria* (Taylor, 1906) *(Xanthorhoe)** R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: Historical records of the Palaearctic *C. turbata* in NA refer to this species.
turbata of authors not Hübner, [1799] *(Colostygia)*

***Plemyria* Hübner, 1825**

910053 *georgii* Hulst, 1896 *(Plemyria)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS --
a *georgii* Hulst, 1896 *(Plemyria)*
b *benesignata* (Barnes & McDunnough, 1917) *(Thera)*

***Thera* Stephens, 1831**

910054 *juniperata* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC AB SK -- ON QC -- -- NB NS PE
juniperaria (Boisduval, 1840) *(Cidaria)*
procteri Brower, 1940 *(Thera)*
910055 *contractata* (Packard, 1873) *(Cidaria)* R -- -- -- -- E AB P MB ON QC LB NF NB NS --
NOTE: The BC record by Fischer et al. (2001) is based on a misidentification of this eastern species.
910056 *otisi* (Dyar, 1904) *(Mesoleuca)* R AK YT -- -- BC AB -- -- -- -- -- E -- -- --
NOTE: The NF record by Morris (1980) is erroneous; this species is restricted to the West.

***Ceratodalia* Packard, 1876**

910058 *gueneata* Packard, 1876 *(Ceratodalia)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
excurvata (Grote, 1883) *(Petrophora)*

***Lampropteryx* Stephens, 1831**
tax info: Choi (2000)

910059 *suffumata* ([Denis & Schiffermüller], 1775) *(Geometra)**
R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --

tribe Hydriomenini Meyrick, 1872

***Hydriomena* Hübner, 1825**
tax info: McDunnough (1954)

group I McDunnough, 1954

910060 *tuolumne* Barnes & McDunnough, 1917 *(Hydriomena)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
910061 *exculpata* Barnes & McDunnough, 1917 *(Hydriomena)*
R AK -- -- -- BC -- -- -- ON QC LB NF E E --
NOTE: The NB record by Troubridge & Lafontaine (2003) is based on a specimen in the CNC labelled "St. John" that is probably mislabelled; this species is restricted to subarctic habitats which do not occur in the province. The NS record by Ferguson (1954a) is similarly deemed erroneous.
a *exculpata* Barnes & McDunnough, 1917 *(Hydriomena)*
tribulata Barnes & McDunnough, 1917 *(Hydriomena)*

b *josepha* McDunnough, 1954 *(Hydriomena)*
c *nanata* McDunnough, 1954 *(Hydriomena)*

910062 *expurgata* Barnes & McDunnough, 1918 *(Hydriomena)*

R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

a *expurgata* Barnes & McDunnough, 1918 *(Hydriomena)*
b *franclemonti* McDunnough, 1952 *(Hydriomena)*
c *nicolensis* McDunnough, 1954 *(Hydriomena)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
d *alticola* McDunnough, 1954 *(Hydriomena)*

910066 *irata* Swett, 1910 *(Hydriomena)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --

a *irata* Swett, 1910 *(Hydriomena)*
niveifascia Swett, 1916 *(Hydriomena)*
niveifasciata Swett, 1918 *(Hydriomena)*
b *lolata* McDunnough, 1954 *(Hydriomena)*
c *quaesitata* Barnes & McDunnough, 1918 *(Hydriomena)*

910067 *perfracta* Swett, 1910 *(Hydriomena)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

a *perfracta* Swett, 1910 *(Hydriomena)*
b *marmorata* Barnes & McDunnough, 1917 *(Hydriomena)*
c *centralis* McDunnough, 1952 *(Hydriomena)*
d *monoensis* McDunnough, 1952 *(Hydriomena)*

910069 *marinata* Barnes & McDunnough, 1917 *(Hydriomena)*

R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

a *marinata* Barnes & McDunnough, 1917 *(Hydriomena)*

u -- -- -- -- u -- -- -- -- -- -- -- -- -- --

b *exasperata* Barnes & McDunnough, 1917 *(Hydriomena)*

r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

910070 *edenata* Swett, 1909 *(Hydriomena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

a *edenata* Swett, 1909 *(Hydriomena)*
b *prasinata* McDunnough, 1954 *(Hydriomena)*
c *baueri* McDunnough, 1954 *(Hydriomena)*
d *grandis* Barnes & McDunnough, 1917 *(Hydriomena)*
e *olivata* Wright, 1916 *(Hydriomena)*
f *pallidata* Wright, 1916 *(Hydriomena)*
g *indistincta* McDunnough, 1952 *(Hydriomena)*

910073 *divisaria* (Walker, 1860) *(Cleora)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE

a *divisaria* (Walker, 1860) *(Cleora)*
b *brunnescens* McDunnough, 1954 *(Hydriomena)*
c *frigidata* (Walker, [1863]) *(Cidaria)*

910074 *renunciata* (Walker, 1862) *(Larentia)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS --

NOTE: The Old World names *autumnalis* (Ström), *coerulata* (Fabricius), and *trifasciata* (Borkhausen) (all are synonyms of the Palaearctic *H. impluviata*) have been used by various authors in NA, based on a previous taxonomic concept. Those records refer to *H. renunciata*.

impluviata of authors not [Denis & Schiffermüller], 1775 *(Hydriomena)*

a *renunciata* (Walker, 1862) *(Larentia)* r u u nt u u ab sk mb on qc lb nf nb ns --
b *columbiata* Taylor, 1906 *(Hydriomena)* r u u -- -- bc u -- -- -- -- -- -- -- -- --
c *pernigrata* Barnes & McDunnough, 1917 *(Hydriomena)*

u -- -- -- -- u u -- -- -- -- -- -- -- -- --

d *viridescens* McDunnough, 1954 *(Hydriomena)*

910075 *transfigurata* Swett, 1912 *(Hydriomena)* R -- -- -- -- -- -- -- MB ON QC -- -- -- U --

NOTE: This Bur Oak (*Quercus macrocarpa* Michx.) and White Oak (*Quercus alba* L.) specialist has often been misidentified in collections. Neither of those host trees occur in the wild in NS, so the NS record by McDunnough (1954) in his revision of the group is treated herein as unconfirmed.

a *transfigurata* Swett, 1912 *(Hydriomena)* r -- -- -- -- -- -- -- -- on qc -- -- -- ns --
b *manitoba* Barnes & McDunnough, 1917 *(Hydriomena)*

r -- -- -- -- -- -- -- mb u -- -- -- -- -- --

910076E *bistriolata* (Zeller, 1872) *(Cidaria)* E -- -- -- -- -- -- -- -- -- -- -- -- E E --

NOTE: This species is not known to occur in Canada. Unvouchered Forbes (1948) records are deemed erroneous, and assumed to refer to some other species.

910077E *pluviata* (Guenée, [1858]) *(Ypsipetes)* E -- -- -- -- E E -- E E E -- -- -- -- --

NOTE: Historical records of this species from Canada are erroneous; it does not occur north of the southeastern USA. This species has been historically confused with several other *Hydriomena* species; see McDunnough (1954).

910081 *albimontanata* McDunnough, 1939 *(Hydriomena)*
R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

910083 *nevadae* Barnes & McDunnough, 1917 *(Hydriomena)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

910084 *californiata* (Packard, 1871) *(Hypsipetes)* R -- -- -- -- BC E -- E -- -- -- -- -- -- --
NOTE: Historical records of this species from AB and MB are based on a previous taxonomic arrangement; this species is restricted to coastal BC in Canada.

910085 *crokeri* Swett, 1910 *(Hydriomena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *crokeri* Swett, 1910 *(Hydriomena)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
b *comstocki* McDunnough, 1944 *(Hydriomena)*
waltoni McDunnough, 1944 *(Hydriomena)*

910092 *ruberata* (Freyer, [1831]) *(Acidalia)* R AK YT -- -- BC AB SK MB ON QC LB U NB NS --
NOTE: No vouchers could be found in NA to support the NF records by Krogerus (1954) and Morris (1980), but they likely exist in a European collection.
b *pallula* McDunnough, 1944 *(Hydriomena)* r ak yt -- -- bc ab sk mb on qc lb u nb ns --

910093 *macdunnoughi* Swett, 1918 *(Hydriomena)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --

group II McDunnough, 1954

910095 *furcata* (Thunberg, 1784) *(Geometra)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
a *furcata* (Thunberg, 1784) *(Geometra)* r ak yt -- -- bc ab sk mb on qc lb nf -- -- --
elutaria (Boisduval, 1840) *(Cidaria)*
elutata (Hübner, 1799) *(Geometra)*
fuscoundata (Donovan, 1806) *(Phalaena)*
sordidata (Fabricius, 1794) *(Phalaena)*
b *fergusoni* McDunnough, 1954 *(Hydriomena)* r ak yt nt -- bc ab sk mb on qc lb nf nb ns --

910096 *quinquefasciata* (Packard, 1871) *(Hypsipetes)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: The historical AB record by Dod (1906) is assumed to be erroneous; no AB vouchers are known and this species is not known to occur east of BC in Canada.
periclata Swett, 1910 *(Hydriomena)*
viridata (Hulst, 1903) *(Hypsipetes)*

group III McDunnough, 1954

910099 *albifasciata* (Packard, 1874) *(Hypsipetes)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) is erroneous, this species is restricted to BC in Canada.
a *albifasciata* (Packard, 1874) *(Hypsipetes)*
beldenae Guedet, 1941 *(Hydriomena)*
puncticaudata Barnes & McDunnough, 1917 *(Hydriomena)*
resecta Swett, 1910 *(Hydriomena)*
b *victoria* Barnes & McDunnough, 1917 *(Hydriomena)*
r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
c *reflata* (Grote, 1882) *(Hydriomene [sic])* e -- -- -- -- e -- -- e -- -- -- -- -- -- --
abacta (Hulst, 1898) *(Mesoleuca)*

group IV McDunnough, 1954

910101 *speciosata* (Packard, 1874) *(Hypsipetes)* R AK -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: The AB record by Bowman (1951) is erroneous, this species is restricted to the coastal range in BC and AK.
agassizi Swett, 1910 *(Hydriomena)*
ameliata Swett, 1915 *(Hydriomena)*
taylori Swett, 1910 *(Hydriomena)*

910102 *morosata* Barnes & McDunnough, 1917 *(Hydriomena)*
R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
gravis McDunnough, 1954 *(Hydriomena)*

group IX McDunnough, 1954

910114 *nubilofasciata* (Packard, 1871) *(Hypsipetes)* R E -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: Records from AK and MB are erroneous; this species is restricted to Garry Oak (*Quercus garryana* Dougl.) which only occurs in southwestern BC.

banavahrata Strecker, 1899 *(Hydriomena)*
cumulata Swett, 1910 *(Hydriomena)*
cupidata Swett, 1910 *(Hydriomena)*
raptata Swett, 1910 *(Hydriomena)*
scalata Warren, 1904 *(Hydriomena)*
sparsimacula Hulst, 1896 *(Hydriomena)*
vulnerata Swett, 1910 *(Hydriomena)*

910115 *manzanita* Taylor, 1906 *(Hydriomena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Ersephila Hulst, 1896

910117E *indistincta* Hulst, 1898 *(Ersephila)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The BC record by Anderson (1904) was not repeated on other historical lists, and is deemed erroneous.

Triphosa Stephens, 1829

910123 *haesitata* (Guenée, [1858]) *(Scotosia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS --
NOTE: Historical records of the Old World species *T. dubitata* (Linnaeus) in NA refer to this species.
a *haesitata* (Guenée, [1858]) *(Scotosia)* u -- -- -- -- u -- -- -- -- -- -- -- -- -- --
pustularia Edwards, 1885 *(Triphosa)*
b *affirmaria* (Walker, 1860) *(Scotosia)* r -- -- -- -- u ab sk mb on qc lb nf nb ns --
indubitata (Grote, 1882) *(Scotosia)*
910124E *affirmata* (Guenée, [1858]) *(Scotosia)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Historical reports of this species from BC, by Dyar (1904) and Anderson (1904), as *T. progressata*, a synonym, are incorrect. They refer to *T. haesitata*.
progressata (Walker, 1862) *(Scotosia)*

Coryphista Hulst, 1896
tax info: Munroe (1954)

910128 *meadii* (Packard, 1874) *(Scotosia)* R -- -- -- -- BC AB SK -- ON QC -- -- NB NS PE
a *meadii* (Packard, 1874) *(Scotosia)* r -- -- -- -- bc ab sk -- -- -- -- -- -- -- --
badiaria (Edwards, 1885) *(Triphosa)*
optimata (Strecker, 1899) *(Philereme)*
b *atlantica* Munroe, 1954 *(Coryphista)* r -- -- -- -- -- -- -- -- on qc -- -- nb ns pe
c *fumosa* Comstock, 1967 *(Coryphista)* u -- -- -- -- u -- -- -- -- -- -- -- -- -- --

Rheumaptera Hübner, 1822
Hydria Hübner, 1822

910129 *undulata* (Linnaeus, 1758) *(Phalaena)** R AK -- NT -- BC AB SK MB ON QC LB NF NB NS --
b *bluff* (Bryk, 1921) *(Eucosmia)* r ak -- nt -- bc ab sk mb on qc lb nf nb ns --
910130 *prunivorata* (Ferguson, 1955) *(Calocalpe)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
910131 *hastata* (Linnaeus, 1758) *(Phalaena)** R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE
b *gothicata* (Guenée, [1858]) *(Melanippe)* r ak yt nt nu bc ab sk mb on qc lb nf nb ns pe
furcifascia (Walker, 1862) *(Melanippe)*
910132 *subhastata* (Nolcken, 1870) *(Cidaria)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
b *albodecorata* (Blackmore, 1920) *(Eulype)* r -- -- -- -- bc u -- -- e -- -- -- -- -- --
c *confusa* (McDunnough, 1937) *(Eulype)* r ak yt -- -- bc u -- -- -- -- -- -- -- -- --
d *stygiata* (McDunnough, 1937) *(Eulype)* r u u nt -- u ab sk mb on qc lb nf nb ns pe

Entephria Hübner, 1825
tax info: Troubridge (1997)

910138 *aurata* (Packard, 1867) *(Cidaria)* R -- -- E E E E -- -- E QC LB NF -- E --
NOTE: This species was reported only from arctic and alpine areas of QC, LB, and NF, as well as Mount Washington (NH) by Troubridge (1997). Historical records of this species elsewhere refer to *E. multivagata*.
910139 *beringiana* Troubridge, 1997 *(Entephria)** R -- YT -- -- -- -- -- -- -- -- -- -- -- -- --
910140 *bradorata* (Munroe, 1951) *(Dasyuris)* R AK P P NU -- -- -- MB ON QC LB NF -- -- --
aleutiata (Munroe, 1951) *(Dasyuris)*

910141 *kidluitata* (Munroe, 1951) *(Dasyuris)* R AK YT NT -- BC AB -- -- -- -- -- -- -- --
910142 *multivagata* (Hulst, 1881) *(Scotosia)* R AK YT NT -- BC AB SK -- -- -- -- -- -- -- --
NOTE: Historical reports of the Palaearctic *E. caesiata* in NA refer to this species.
caesiata of authors (not [Denis & Schiffermüller], 1775) *(Geometra)*
nigrescens (Hulst, 1900) *(Scotosia)*
910143 *takuata* Taylor, 1908 *(Entephria)* R AK YT -- -- BC -- -- -- -- -- -- -- --
910144 *lagganata* Taylor, 1908 *(Entephria)* R -- YT -- -- BC AB -- -- -- -- -- -- -- --
910145 *lynda* Troubridge, 1997 *(Entephria)* R AK YT -- -- -- -- -- -- -- -- -- -- -- --
910146 *polata* (Duponchel, 1830) *(Larentia)* R AK YT NT NU -- -- -- MB E E E -- -- -- --
NOTE: Historical records from ON, QC, and LB are erroneous; this species was reported from the arctic zone only as far east as Churchill (MB) by Troubridge (1997).
fumidotata (Walker, 1863) *(Larentia)*
ursata (Munroe, 1951) *(Dasyuris)*
910147 *punctipes* (Curtis, 1835) *(Oporabia)* R -- -- NT NU -- -- -- E -- E E -- -- -- --
NOTE: According to Troubridge (1997), this species is restricted to the High Arctic. The records from MB, QC, and LB by Munroe (1954) are assumed to refer to other *Entephria* species.
brullei (Lefèbvre, 1836) *(Larentia)*
910148 *separata* Troubridge, 1997 *(Entephria)* R -- -- -- -- -- -- -- -- ON QC LB NF NB NS --

Mesoleuca Hübner, 1825

910150 *ruficillata* (Guenée, [1858]) *(Melanthia)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS --
910151 *gratulata* (Walker, 1862) *(Melanthia)* R AK -- -- -- BC AB -- -- -- -- -- -- -- --
a *gratulata* (Walker, 1862) *(Melanthia)* r u -- -- -- bc -- -- -- -- -- -- -- --
bakeri Guedet, 1941 *(Mesoleuca)*
brunneicillata (Packard, 1874) *(Melanthia)*
b *latialbata* Barnes & McDunnough, 1917 *(Mesoleuca)*
u u -- -- -- u u -- -- -- -- -- -- -- --

Spargania Guenée, 1857

910155 *magnoliata* Guenée, [1858] *(Spargania)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *magnoliata* Guenée, [1858] *(Spargania)* r u u nt -- u ab sk mb on qc lb nf nb ns pe
cumatilis (Grote & Robinson, 1867) *(Coenocalpe)*
incommodata (Walker, 1862) *(Lobophora)*
placidata (Walker, 1862) *(Larentia)*
ziczacata (Walker, 1862) *(Larentia)*
b *pernotata* (Hulst, 1898) *(Hydriomena)* r u u u -- bc ab -- -- -- -- -- -- -- --
c *quadripunctata* (Packard, 1871) *(Cidaria)*
d *ruptata* Barnes & McDunnough, 1917 *(Spargania)*
910156 *luctuata* ([Denis & Schiffermüller], 1775) *(Geometra)**
R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
a *luctuata* ([Denis & Schiffermüller], 1775) *(Geometra)*
r ak u -- -- -- -- -- -- -- -- -- -- -- --
kodiakata (Packard, 1874) *(Melanippe)*
lugubrata (Staudinger, 1871) *(Cidaria)*
b *obductata* (Möschler, 1860) *(Cidaria)* r u u nt -- bc ab sk mb on qc lb nf nb ns --
concordata (Walker, 1862) *(Melanippe)*

Perizoma Hübner, 1825

910159 *basaliata* (Walker, 1862) *(Larentia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS --
NOTE: Historical records of the Old World name *P. taeniata* in NA refer to this species.
explagiata (Walker, 1863) *(Cidaria)*
taeniata of authors (not Stephens, 1831) *(Emmelesia)*
910160 *grandis* (Hulst, 1896) *(Eucymatoge)* R AK -- -- -- BC AB -- -- -- QC U NF NB NS --
NOTE: The sole known LB specimen, in the CNC, is of questionable identity.
saanichata (Swett, 1915) *(Hydriomena)*
saawichata (Swett, 1915) *(Hydriomena)*

910161 *alaskae* (Hulst, 1896) *(Coenocalpe)* R AK -- -- -- -- -- -- -- -- -- -- -- -- --

910163 *alchemillata* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- -- -- -- -- -- QC LB NF NB NS PE
alchemillaria (Borkhausen, 1794) *(Phalaena)*

910167 *curvilinea* (Hulst, 1896) *(Hydriomena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
a *curvilinea* (Hulst, 1896) *(Hydriomena)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
occidens (Hulst, 1898) *(Hydriomena)*
b *foxi* (Wright, 1924) *(Venusia)*

910168 *costiguttata* (Hulst, 1896) *(Hydriomena)* R AK -- -- -- BC -- -- -- -- -- -- -- -- --

910171 *custodiata* (Guenée, [1858]) *(Eubolia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- --
carnata (Packard, 1874) *(Phibalapteryx)*
gueneeata (Packard, 1876) *(Ochyria)*
polygrammata (Hulst, 1896) *(Coenocalpe)*

Anticlea Stephens, 1831

tax info: Rindge (1967)

910172 *vasiliata* Guenée, [1858] *(Anticlea)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS --
niveifasciata (Hulst, 1900) *(Mesoleuca)*
rigidata (Walker, 1863) *(Cidaria)*
spilosaria (Walker, 1860) *(Macaria)*
vasaliata of authors, [no date] *(Anticlea)*

910173 *multiferata* (Walker, 1863) *(Camptogramma)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --

tribe Stamnodini Forbes, 1948

Stamnodes Guenée, 1857

910176 *gibbicostata* (Walker, 1862) *(Cidaria)* R -- -- -- -- E -- -- -- ON QC -- -- -- -- --
NOTE: The report of this species on historical BC lists is erroneous. BC populations were described as *S. blackmorei* by Swett (1915).
costinotata (Walker, 1863) *(Larentia)*
oeniformis (Harvey, 1874) *(Larentia)*
strigularia (Minot, 1869) *(Anisopteryx)*

910177 *blackmorei* Swett, 1915 *(Stamnodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

910192 *topazata* (Strecker, 1899) *(Marmopteryx)* R AK YT NT -- BC AB SK MB ON -- -- -- -- -- --
a *topazata* (Strecker, 1899) *(Marmopteryx)*
b *albida* Barnes & McDunnough, 1912 *(Stamnodes)*
c *apicata* Barnes & McDunnough, 1917 *(Stamnodes)*
d *arctica* (Thierry-Mieg, 1911) *(Fidonia)*

910202 *marmorata* (Packard, 1871) *(Tephrina)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
a *marmorata* (Packard, 1871) *(Tephrina)*
b *odontata* (Hulst, 1896) *(Marmopteryx)*

Stamnoctenis Warren, 1901

910206 *morrisata* (Hulst, 1887) *(Marmopteryx)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
volucer (Hulst, 1896) *(Xanthorhoe)*

910207 *pearsalli* (Swett, 1914) *(Stamnodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

tribe Xanthorhoini Pierce, 1914

Xanthorhoe Hübner, 1825

910211 *labradorensis* (Packard, 1867) *(Coremia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
NOTE: Historically, the Old World name *X. designata* was used to refer to this species.
designata of authors (not Hufnagel, 1767) *(Phalaena)*
emendata (Pearsall, 1914) *(Gypsochroa)*

910212 *packardata* McDunnough, 1945 *(Xanthorhoe)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
gynandrata (Pearsall, 1914) *(Gypsochroa)*

910213 *abrasaria* (Herrich-Schäffer, [1855]) *(Larentia)** R AK YT NT NU BC AB SK MB ON QC LB NF NB NS --
b *congregata* (Walker, 1862) *(Thera)*
nigrofasciata (Packard, 1867) *(Cidaria)*
c *trilineata* (Warren, 1904) *(Lampropteryx)*
salvata (Pearsall, 1913) *(Petrophora)*
d *aquilonaria* Cassino & Swett, 1922 *(Xanthorhoe)*

910214 *iduata* (Guenée, [1858]) *(Melanippe)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS --
NOTE: Historically, the Old World name *X. fluctuata* (Linnaeus) was used to refer to this species.
planata Taylor, 1908 *(Xanthorhoe)*

910215 *macdunnoughi* Swett, 1918 *(Xanthorhoe)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

910216 *ramaria* Swett & Cassino, 1920 *(Xanthorhoe)* R AK YT NT -- EP AB SK MB -- QC LB -- -- -- --

910217 *delectaria* Cassino & Swett, 1920 *(Xanthorhoe)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --

910218 *lagganata* Swett & Cassino, 1920 *(Xanthorhoe)* R -- U NT -- BC AB -- -- -- -- -- -- -- -- --
NOTE: Records from YT have not been verified and may refer to other *Xanthorhoe* species. Populations in western NA were treated under the Palaearctic name *X. incursata* until recently (Schmidt & Anweiler 2010a).
harveyata Cassino & Swett, 1922 *(Xanthorhoe)*
incursata of authors (not Hübner, [1813]) *(Geometra)*

910219 *reclivisata* Swett & Cassino, 1920 *(Xanthorhoe)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

910220 *baffinensis* McDunnough, 1939 *(Xanthorhoe)* R AK YT NT NU BC AB -- MB -- QC P -- -- -- --

910221 *algidata* (Möschler, 1874) *(Cidaria)* R AK -- -- -- BC AB SK MB ON QC LB NF -- -- --
dodata Swett & Cassino, 1920 *(Xanthorhoe)*

910222 *pontiaria* Taylor, 1906 *(Xanthorhoe)* R AK -- -- -- BC -- E -- -- -- -- -- -- -- --
NOTE: Hooper's (2007) SK record is deemed erroneous; this is a West Coast species.

910223 *fossaria* Taylor, 1906 *(Xanthorhoe)* R AK YT -- -- BC AB -- -- -- -- -- -- -- -- --
a *fossaria* Taylor, 1906 *(Xanthorhoe)*
b *blackmorei* Swett, 1918 *(Xanthorhoe)*
c *atlinensis* Swett, 1918 *(Xanthorhoe)*

910224E *montanata* ([Denis & Schiffermüller], 1775) *(Geometra)*
E E -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: Nearctic records of this Palaearctic species are erroneous. It probably crept into the Hodges et al. (1983) list on the basis of a specimen from AK in the CNC, that has since been redetermined as *X. pontiaria*. An unvouchered record for MB by Hanham (1901) is presumed to refer to another species of *Xanthorhoe*.

910227 *decoloraria* (Esper, [1806]) *(Geometra)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
a *decoloraria* (Esper, [1806]) *(Geometra)*
anticostiata (Strecker, 1899) *(Ochyria)*
immediata (Grote, 1882) *(Rheumaptera)*
munitata (Hübner, 1809) *(Geometra)*
strigata (Packard, 1867) *(Cidaria)*
b *convallaria* (Guenée, [1858]) *(Coremia)*
c *nemorella* Hulst, 1896 *(Xanthorhoe)*
illocata Hulst, 1896 *(Xanthorhoe)*

910228 *alticolata* Barnes & McDunnough, 1916 *(Xanthorhoe)*
R AK YT -- -- BC AB -- -- -- -- -- -- -- -- --

910229 *defensaria* (Guenée, [1858]) *(Coremia)* R AK -- -- -- BC E E E -- -- -- -- -- -- --
NOTE: Powell & Opler (2009) reported this species from BC and AK east to western MB, but that is erroneous, there are no confirmed records east of BC.
amorata (Hulst, 1900) *(Hydriomena)*
californiata (Packard, 1871) *(Coremia)*
conciliaria Swett, 1916 *(Xanthorhoe)*
gigantaria Swett, 1916 *(Xanthorhoe)*
mephistaria (Swett, 1915) *(Petrophora)*
suppuraria Swett, 1916 *(Xanthorhoe)*
thanataria Swett, 1916 *(Xanthorhoe)*

910231 *ferrugata* (Clerck, 1759) *(Phalaena)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *ferrugata* (Clerck, 1759) *(Phalaena)* r u u nt -- bc ab sk mb on qc lb nf nb ns pe
inclinataria (Walker, 1863) *(Cidaria)*
unidentaria (Haworth, 1809) *(Geometra)*
b *infumata* Barnes & McDunnough, 1917 *(Xanthorhoe)*
u -- -- -- -- u -- -- -- -- -- -- -- -- --
c *alaskae* Cassino & Swett, 1925 *(Xanthorhoe)* r ak -- -- -- -- -- -- -- -- -- -- -- -- --

910232 *clarkeata* Ferguson, 1987 *(Xanthorhoe)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

910233 *borealis* Hulst, 1896 *(Xanthorhoe)* R AK YT NT -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This species may be conspecific with *X. ferrugata*, but records are retained here pending taxonomic work.
910234 *lacustrata* (Guenée, [1858]) *(Melanippe)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS --
910235E *dentilinea* Barnes & McDunnough, 1913 *(Xanthorhoe)*
E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) is erroneous; this is a southern Great Basin species.

Epirrhoe Hübner, 1825

910238 *alternata* (Müller, 1764) *(Phalaena)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
sociata (Borkhausen, 1794) *(Phalaena)*
910239 *plebeculata* (Guenée, [1858]) *(Coremia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
a *plebeculata* (Guenée, [1858]) *(Coremia)* u -- -- -- -- u u u -- -- -- -- -- -- -- --
rubrosuffusata (Packard, 1871) *(Cidaria)*
b *vivida* Barnes & McDunnough, 1917 *(Epirrhoe)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
910240 *sperryi* Herbulot, 1951 *(Epirrhoe)* R AK YT NT -- BC AB SK MB ON QC LB NF -- -- --
NOTE: Forbes (1948) used the Palaearctic name *E. hastulata* in NA, with a note that it was of uncertain identification. Nearctic material has since been described as *E. sperryi*. Similarly, historical records of the Palaearctic name *E. tristata* refer to *E. sperryi* as well.
hastulata of authors (not Hübner, 1790) *(Geometra)*
tristata of authors (not Linnaeus, 1758) *(Phalaena)*

Euphyia Hübner, 1825

910244 *intermediata* (Guenée, [1858]) *(Melanippe)* R AK -- NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical records of the Old World name *E. unangulata* in NA refer to this species.
amnicularia (Boisduval, 1840) *(Melanippe)*
amniculata (Hübner, [1813]) *(Geometra)*
ideata (Walker, 1862) *(Melanippe)*
unangulata of authors (not Haworth, 1809) *(Phalaena)*

Enchoria Hulst, 1896

910247 *lacteata* (Packard, 1876) *(Ochyria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Zenophleps Hulst, 1896

910250 *lignicolorata* (Packard, 1874) *(Coremia)* R U -- -- -- BC U U U -- -- -- -- -- -- --
NOTE: Most populations in western NA probably are *Z. alpinata*, but published records are retained here as uncertain, pending taxonomic work. The subspecies victoria was described from BC.
a *lignicolorata* (Packard, 1874) *(Coremia)* u u -- -- -- u u u u -- -- -- -- -- -- --
b *victoria* Taylor, 1906 *(Zenophleps)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
910252 *alpinata* Cassino, 1927 *(Zenophleps)* R AK YT NT -- BC AB SK MB -- -- -- -- -- -- --
rosa Cassino, 1927 *(Zenophleps)*

Psychophora Kirby, 1824

910254 *sabini* Kirby, 1824 *(Psychophora)** R AK YT NT NU -- -- -- P P P LB -- -- -- --
a *sabini* Kirby, 1824 *(Psychophora)*
sabiniaria (Packard, 1876) *(Glaucopteryx)*
b *polaris* Hulst, [1903] *(Psychophora)*
910255 *phocata* (Möschler, 1862) *(Cidaria)* R -- YT NT NU BC -- -- -- -- QC LB -- -- -- --
910256 *suttoni* Heinrich, 1942 *(Psychophora)* R U YT -- NU BC AB -- -- -- QC LB -- -- -- --
NOTE: Western material identified as this species is of uncertain taxonomic status and may represent a new species. Published *P. suttoni* records are provisionally listed here pending taxonomic work. The species was listed as uncertain in AK by Ferris et al. (2012).

Orthonama Hübner, 1825

910258 *obstipata* (Fabricius, 1794) *(Phalaena)* R -- -- -- -- M M M M ON QC -- NF NB NS PE
NOTE: In western Canada this species is considered a regular breeding migrant that cannot overwinter there.
alternata (Walker, 1866) *(Coremia)*
brunneipennis (Hulst, 1896) *(Nycterosea)*

exagitata (Walker, 1862) *(Camptogramma)*
fluviata (Hübner, 1799) *(Geometra)*
gemmaria (Boisduval, 1840) *(Larentia)*
marginata (Mathew, 1906) *(Nycterosea)*
mortuaria (Schaus, 1908) *(Plemyria)*
obruptata (Walker, 1863) *(Coremia)*
obsoleta (Mathew, 1906) *(Nycterosea)*
olivacea (Mathew, 1906) *(Nycterosea)*
peracutata (Walker, 1862) *(Cidaria)*
pigrata (Walker, 1866) *(Coremia)*
signataria (Walker, 1863) *(Camptogramma)*

910259 *evansi* McDunnough, 1920 *(Orthonama)* R -- -- -- -- BC AB -- MB ON QC E NF NB NS --
NOTE: The LB record by The Lepidopterists' Society (2006) was erroneous, the location is in NF.

Costaconvexa Agenjo, 1949

910260 *centrostrigaria* (Wollaston, 1858) *(Coremia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
interruptata (Rebel, 1894) *(Cidaria)*
latirupta (Walker, 1866) *(Phibalapteryx)*
luscinata (Zeller, 1873) *(Cidaria)*
mediata (Walker, 1862) *(Phibalapteryx)*
paranensis (Schaus, 1901) *(Plemyria)*

Disclisioprocta Wallengren, 1861

910261 *stellata* (Guenée, [1858]) *(Scotosia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
albosignata (Packard, 1873) *(Scotosia)*
balteolata (Herrich-Schäffer, 1865) *(Larentia)*
impauperata (Walker, 1862) *(Scotosia)*

tribe Asthenini Warren, 1894

Hydrelia Hübner, 1825

910263 *lucata* (Guenée, [1858]) *(Asthena)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
910264 *condensata* (Walker, 1862) *(Melanthia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
910265 *terraenovae* Krogerus, 1954 *(Hydrelia)* R -- -- -- -- -- -- -- -- -- -- -- NF -- -- --
910266 *inornata* (Hulst, 1896) *(Tephroclystis)* R -- -- -- -- -- E E E ON QC -- E NB NS --
NOTE: Western Canadian material, including recently collected AB specimens, is now thought to be *H. lucata*. The NF material reported by Krogerus (1954) was redetermined as *H. lucata* as well (Morris 1980).
exhumata (Pearsall, 1906) *(Euchoeca)*
910267 *albifera* (Walker, 1866) *(Acidalia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
albogilvaria (Morrison, 1874) *(Acidalia)*
triseriata (Packard, 1874) *(Corycia)*
910268 *brunneifasciata* (Packard, 1876) *(Asthena)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: An unvouchered MB record by Brodie (1929) is assumed to be erroneous, and probably refers to *H. albifera*; this species is otherwise known only from BC in Canada.

Venusia Curtis, 1839

910269 *cambrica* Curtis, 1839 *(Venusia)** R AK -- -- -- BC AB SK MB ON QC LB NF NB NS --
cambricaria Guenée, [1858] *(Venusia)*
nebulosaria (Freyer, 1852) *(Cidaria)*
scitularia (Walker, 1860) *(Tephrosia)*
910270 *duodecemlineata* (Packard, 1873) *(Larentia)* R -- -- -- -- BC E -- E -- -- -- -- -- E --
NOTE: This species is known in Canada only from a BC specimen in the PFC collection that was reared from Garry Oak (*Quercus garryana* Dougl.), identified via DNA barcoding (deWaard et al. 2011). Historical reports from elsewhere in Canada are deemed erroneous, as no Canadian vouchers east of BC are known.
a *duodecemlineata* (Packard, 1873) *(Larentia)*
unipecta (Pearsall, 1906) *(Nomenia)*

b *secunda* (Pearsall, 1906) *(Nomenia)*

910271 *obsoleta* (Swett, 1916) *(Nomenia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

910272 *comptaria* (Walker, 1860) *(Tephrosia)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS --
palumbes Franclemont, 1938 *(Venusia)*
perlineata (Packard, 1874) *(Larentia)*
salienta (Pearsall, 1905) *(Euchoeca)*

910273 *pearsalli* (Dyar, 1906) *(Euchoeca)* R AK -- -- -- BC AB SK MB -- -- -- -- -- -- --

Trichodezia Warren, 1895

910274 *albovittata* (Guenée, [1858]) *(Odezia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

a *albovittata* (Guenée, [1858]) *(Odezia)* r u u nt -- u ab sk mb on qc lb nf nb ns p
propriaria (Walker, 1862) *(Melanippe)*
reciprocata (Walker, 1862) *(Melanippe)*

b *tenuifasciata* Barnes & McDunnough, 1917 *(Trichodezia)* u u u -- -- u u -- -- -- -- -- -- -- -- --

Minoa Treitschke, 1825

910277 *murinata* (Scopoli, 1763) *(Phalaena)*+ XI -- -- -- -- XI XI -- -- -- -- -- -- -- -- --
NOTE: This species was introduced to BC and AB to control Leafy Spurge (*Euphorbia esula* L.), but it does not appear to have become established (McClay et al. 1995).

tribe Operophterini Packard, 1876

Epirrita Hübner, 1822

910278 *autumnata* (Borkhausen, 1794) *(Phalaena)** R -- YT -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical records of the Old World name *E. dilutata* in NA refer to this species.

b *henshawi* (Swett, 1917) *(Oporinia)* r -- -- -- -- u ab sk mb on qc lb nf nb ns pe

c *omissa* (Harrison, 1932) *(Oporinia)* r -- yt -- -- bc ab -- -- -- -- -- -- -- -- --
coarctata (Harrison, 1932) *(Oporinia)*
dayi (Harrison, 1932) *(Oporinia)*
dilutata of authors (not [Denis & Schiffermüller], 1775) *(Geometra)*
latifasciata (Harrison, 1942) *(Oporinia)*
oblita (Harrison, 1932) *(Oporinia)*
suffusa (Harrison, 1932) *(Oporinia)*

910279 *undulata* (Harrison, 1942) *(Oporinia)* R AK YT NT -- BC AB -- -- ON QC LB -- NB NS --
extensa (Harrison, 1942) *(Oporinia)*

Malacodea Tengström, 1869

910280 *pulchraria* (Taylor, 1907) *(Rachela)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This species was recently moved to *Malacodea* by Truuverk et al. (2017) following a multi-gene analysis of the tribe Operophterini that revealed its close affinity with the Palaearctic *M. regelaria* Tengström,1869.

Operophtera Hübner, 1825
tax info: Troubridge & Fitzpatrick (1993)

910281 *brumata* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- -- -- -- QC -- NF NB NS PE
brumaria (Esper, 1800) *(Phalaena)*

910282 *bruceata* (Hulst, 1886) *(Cheimatobia)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: The name *O. boreata* (now a synonym of the Palaearctic *O. fagata* (Scharfenberg)) was used in Canada by the Natural History Society of Toronto (1883) to refer to this species.
boreata of authors (not Hübner, [1813]) *(Geometra)*
groenlandica Lesse, 1951 *(Operophtera)*

910282.1 *occidentalis* (Hulst, 1896) *(Rachela)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This taxon is recognized as a full species, rather than a subspecies of *O. bruceata*, following Gwiazdowski et al. (2013). It applies to populations in coastal AK and the lower mainland of BC.
hyperborea (Hulst, 1896) *(Rachela)*

latipennis (Hulst, 1896) *(Rachela)*

910283 *danbyi* (Hulst, 1896) *(Paraptera)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

tribe Eudulini Warren, 1897

tax info: Fletcher (1954)

Eubaphe Hübner, 1823

Eudule of authors not Hübner, 1823

910286 *mendica* (Walker, 1854) *(Nudaria)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

biseriata (Herrich-Schäffer, 1855) *(Eudule)*

910291E *unicolor* (Robinson, 1869) *(Eudule)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --

NOTE: This species has been reported on historical BC lists, but no vouchers are known north of southwestern USA, so they are deemed erroneous.

tribe Eupitheciini Tutt, 1896

Horisme Hübner, 1825

910292 *intestinata* (Guenée, [1858]) *(Phibalapteryx)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

impleta (Walker, 1866) *(Phibalapteryx)*

indoctrinata (Walker, 1863) *(Phibalapteryx)*

910293 *incana* Swett, 1918 *(Horisme)* R AK YT -- -- BC AB SK MB -- -- -- -- -- E --

NOTE: Historical records of the Old World species *H. vitalbata* in western NA refer to this species. (The unvouchered NS record of *H. vitalbata* by Perrin & Russell (1912) is assumed to refer to *H. intestinata*, the only *Horisme* species known in eastern Canada.)

a *incana* Swett, 1918 *(Horisme)* r -- u -- -- u ab sk mb -- -- -- -- -- -- --

vitalbata of authors (not [Denis & Schiffermüller], 1775) *(Geometra)*

b *columbia* McDunnough, 1927 *(Horisme)* r ak yt -- -- bc ab -- -- -- -- -- -- -- -- --

Eupithecia Curtis, 1825

tax info: McDunnough (1949b), Bolte (1990)

910296 *palpata* Packard, 1873 *(Eupithecia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

transcanadata MacKay, 1951 *(Eupithecia)*

910301 *ornata* (Hulst, 1896) *(Tephroclystis)* R -- -- -- -- BC AB E E -- -- -- -- -- -- --

NOTE: Historical SK and MB records (by Hooper 2007, Brodie 1929) are assumed to be erroneous; no vouchers are known east of the Rocky Mountains in Canada.

exornata Barnes & McDunnough, 1912 *(Eupithecia)*

910302E *monacheata* [Cassino & Swett], 1922 *(Eupithecia)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --

NOTE: Bowman's (1951) record from AB refers to *E. ornata*.

910305 *columbiata* (Dyar, 1904) *(Tephroclystis)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

erpata (Pearsall, 1908) *(Tephroclystis)*

holbergata (Mackay, 1951) *(Tephroclystis)*

910306 *maestosa* (Hulst, 1896) *(Tephroclystis)* R AK -- -- -- BC AB -- -- ON QC -- -- -- -- --

dyarata Taylor, 1906 *(Eupithecia)*

harlequinaria (Dyar, 1905) *(Tephroclystia)*

910308E *subvirens* Dietze, 1875 *(Eupithecia)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --

NOTE: Report of this species from BC by Jones (1951) (under the name *E. laisata*, a synonym) is assumed to be erroneous; it was not reported from Canada by Bolte (1990).

laisata Strecker, 1899 *(Eupithecia)*

910310E *chiricahuata* McDunnough, 1944 *(Eupithecia)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --

NOTE: Report by Jones (1951) is assumed to be a misidentification; no BC vouchers are known of this species. It is otherwise known only from AZ (Lafontaine & Troubridge 2011).

910312 *pusillata* ([Denis & Schiffermüller], 1775) *(Geometra)* R -- -- -- -- BC -- -- -- ON -- -- E -- -- --

NOTE: This species is native to Europe and Greenland, but it has been introduced elsewhere in NA (deWaard et al. 2010). Report of this species from NF by Morris (1980) could not be verified and was not mentioned by Bolte (1990) in his revision of the group; it is assumed to be erroneous. Most historical records of this species in NA refer to *E. interruptofasciata*.

scotica Dietze, 1910 *(Eupithecia)*

910313 *interruptofasciata* Packard, 1873 *(Eupithecia)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS --

NOTE: Historical records of the Old World species *E. sobrinata* in NA refer primarily to this species. It was often referred to as *E. sobrinata niphadophilata*, and *E. sobrinata interruptofasciata*. Both *E. niphadophilata* and *E. interruptofasciata* are now recognized as

distinct species in NA; *E. sobrinata* is restricted to the Palaearctic. The Old World name *E. pusillata* has also been used in NA to refer to *E. interruptofasciata*.

pusillata of authors (not [Denis & Schiffermüller], 1775) *(Geometra)*
quebecata Taylor, 1910 *(Eupithecia)*
sobrinata of authors (not Hübner, [1817]) *(Geometra)*

910315E *edna* (Hulst, 1896) *(Tephroclystis)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Reported from AB by Bowman (1938), but that is deemed erroneous, as no vouchers are known and the species is otherwise unknown in Canada.

910317 *longipalpata* Packard, 1876 *(Eupithecia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

910320 *placidata* Taylor, 1908 *(Eupithecia)* R -- -- -- -- BC EP -- -- -- -- -- -- -- -- --
NOTE: This species was reported from AB by Troubridge & Lafontaine (2003), but that record is considered erroneous as no AB specimens are known. However, it is known from the Rocky Mountains in BC, just across the AB border.

910321 *unicolor* (Hulst, 1896) *(Tephroclystis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
cenataria Cassino & Swett, 1922 *(Eupithecia)*

910323 *pseudotsugata* MacKay, 1951 *(Eupithecia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

910324 *miserulata* Grote, 1863 *(Eupithecia)* R -- -- -- -- -- -- -- E ON QC -- NF NB NS --
NOTE: Historical MB records by Hanham (1901) and Brodie (1929) are deemed erroneous; the only known voucher specimens, in the Heath collection at UMB, are misidentified.

a *miserulata* Grote, 1863 *(Eupithecia)* r -- -- -- -- -- -- -- -- on qc -- nf nb ns --
grossbeckiata Swett, 1907 *(Eupithecia)*
nebulosa (Hulst, 1896) *(Tephroclystis)*
plumbaria (Hulst, 1900) *(Tephroclystis)*

b *zela* Swett & Cassino, 1919 *(Eupithecia)*

910326 *misturata* (Hulst, 1896) *(Tephroclystis)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS --
NOTE: Use of the Palaearctic name *"E. silenata* Stndfs." by Bowman (1934) in AB refers to this species.

a *misturata* (Hulst, 1896) *(Tephroclystis)* r ak yt -- -- bc ab sk mb on qc -- nf nb ns --
conformata Pearsall, 1908 *(Eupithecia)*
frostiata Swett, 1907 *(Eupithecia)*
harveyata Taylor, 1906 *(Eupithecia)*
insignificata Taylor, 1906 *(Eupithecia)*
minorata Taylor, 1907 *(Eupithecia)*
scelestata Taylor, 1907 *(Eupithecia)*
subfoveata (Dyar, 1904) *(Tephroclystis)*
sublineata Taylor, 1906 *(Eupithecia)*

b *delzurata* [Cassino & Swett], 1922 *(Eupithecia)*

910328 *pygmaeata* (Hübner, [1799]) *(Geometra)** R AK YT NT -- BC AB SK MB P QC LB NF -- -- --

b *obumbrata* Taylor, 1906 *(Eupithecia)* r ak yt nt -- bc ab sk mb p qc lb nf -- -- --
fortunata Pearsall, 1909 *(Eupithecia)*

910329 *bryanti* Taylor, 1906 *(Eupithecia)* R AK YT -- -- BC AB -- -- -- -- -- -- -- -- --
modesta Taylor, 1906 *(Eupithecia)*

910330 *coloradensis* (Hulst, 1896) *(Tephroclystis)* R -- -- -- -- -- AB -- -- ON QC -- -- -- -- --
carolinensis Grossbeck, 1907 *(Eupithecia)*
spenceata Cassino, 1927 *(Eupithecia)*

910332 *regina* Taylor, 1906 *(Eupithecia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

910333 *borealis* (Hulst, 1898) *(Tephroclystis)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

910335 *subfuscata* (Haworth, 1809) *(Phalaena)*‡ R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
castigata (Hübner, 1813) *(Geometra)*
implicata Walker, 1862 *(Eupithecia)*
latipennis (Hulst, 1898) *(Tephroclystis)*

910336 *tripunctaria* Herrich-Schäffer, 1852 *(Eupithecia)*‡ R AK -- -- -- BC AB SK -- ON QC LB NF NB NS --
albipunctata (Haworth, 1809) *(Phalaena)*

910337 *harrisonata* MacKay, 1951 *(Eupithecia)* R AK -- -- -- BC -- -- -- -- -- -- -- -- --

910338 *fletcherata* Taylor, 1907 *(Eupithecia)* R -- -- -- -- E E E MB ON QC LB NF NB NS --
NOTE: Western Canadian records of this species are erroneous, based on a previous taxonomic concept. They are now known as *E. sharronata*.

dolorosata Pearsall, 1910 *(Eupithecia)*
promulgata Pearsall, 1909 *(Eupithecia)*

910340 *casloata* (Dyar, 1904) *(Tephroclystis)* R AK YT -- -- BC AB SK -- ON QC LB NF NB NS --
bradorata McDunnough, 1930 *(Eupithecia)*
kasloata McDunnough, 1929 *(Eupithecia)*

910341	*sheppardata* McDunnough, 1938 *(Eupithecia)*	R	--	--	--	--	--	AB	SK	--	ON	QC	--	--	NB	--	--
910342	*affinata* Pearsall, 1908 *(Eupithecia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
910343	*rotundopuncta* Packard, 1871 *(Eupithecia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
	californiata Gumppenberg, 1888 *(Eupithecia)*																
910355	*exudata* Pearsall, 1909 *(Eupithecia)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	NOTE: New for Canada, based on material in the BOLD database, confirmed by BCS.																
910363	*intricata* (Zetterstedt, [1839]) *(Larentia)**	R	--	YT	NT	--	BC	AB	P	MB	ON	QC	--	NF	NB	U	--
	NOTE: Bolte (1990) reported no NS records to support the report by Ferguson (1954a), but the species likely occurs there. The Palaearctic name *E. arceuthata* was used by Prentice (1963) to refer to this species in Canada.																
	b *taylorata* Swett, 1907 *(Eupithecia)*	r	--	yt	nt	--	bc	ab	p	mb	on	qc	--	nf	nb	u	--
	arceuthata of authors (not Freyer, 1842) *(Larentia)*																
	chagnonii Swett, 1911 *(Eupithecia)*																
	gibsonata Taylor, 1910 *(Eupithecia)*																
910365	*satyrata* (Hübner, [1813]) *(Geometra)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	b *intimata* Pearsall, 1908 *(Eupithecia)*																
	c *dodata* Taylor, 1906 *(Eupithecia)*	r	ak	yt	nt	--	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	pe
	divinula Cassino & Swett, 1924 *(Eupithecia)*																
	fumata Taylor, 1910 *(Eupithecia)*																
	mackieata Cassino & Swett, 1925 *(Eupithecia)*																
	slocanata Taylor, 1908 *(Eupithecia)*																
	terminata Taylor, 1908 *(Eupithecia)*																
910366	*nimbicolor* (Hulst, 1896) *(Tephroclystis)*	R	AK	YT	P	--	BC	AB	SK	MB	ON	QC	--	NF	P	NS	--
	adornata Taylor, 1906 *(Eupithecia)*																
	inclarata Cassino & Swett, 1924 *(Eupithecia)*																
	incresata Pearsall, 1910 *(Eupithecia)*																
	obscurior (Hulst, 1896) *(Tephroclystis)*																
910367	*strattonata* Packard, 1873 *(Eupithecia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	NF	NB	NS	--
910368	*cimicifugata* Pearsall, 1908 *(Eupithecia)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	NF	NB	NS	--
	grata Taylor, 1910 *(Eupithecia)*																
910369	*russeliata* Swett, 1908 *(Eupithecia)*	R	--	--	--	--	--	AB	SK	U	ON	QC	LB	NF	NB	NS	--
	NOTE: The MB record by Troubridge & Lafontaine (2003) could not be verified.																
	a *russeliata* Swett, 1908 *(Eupithecia)*	r	--	--	--	--	--	ab	sk	u	on	qc	lb	nf	nb	ns	--
	b *brauneata* Swett, 1908 *(Eupithecia)*																
910370	*ammonata* McDunnough, 1929 *(Eupithecia)*	R	--	--	--	--	--	AB	SK	MB	--	--	--	--	--	--	--
910371	*swettii* Grossbeck, 1907 *(Eupithecia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--
	ritaria Cassino, 1927 *(Eupithecia)*																
910372	*indistincta* Taylor, 1910 *(Eupithecia)*	R	--	--	--	--	--	--	--	--	U	QC	--	--	NB	--	--
	NOTE: The ON record by Forbes (1948) could not be verified.																
910373	*zygadeniata* Packard, 1876 *(Eupithecia)*	R	--	YT	--	--	--	--	--	E	--	--	--	--	--	--	--
	NOTE: Specimens from YT actually represent an undescribed species near *E. zygadeniata*, but they are listed here pending formal description. The Hanham (1901) MB record could not be verified and is deemed erroneous.																
	tenebrescens (Hulst, 1900) *(Tephroclystis)*																
910374	*cretaceata* (Packard, 1874) *(Larentia)*	R	AK	YT	--	--	BC	AB	SK	MB	ON	QC	LB	--	NB	--	--
	fenestrata Millière, 1874 *(Eupithecia)*																
910376	*behrensata* Packard, 1876 *(Eupithecia)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--
	monterata Cassino & Swett, 1922 *(Eupithecia)*																
	perillata Pearsall, 1912 *(Eupithecia)*																
910377E	*multiscripta* (Hulst, 1896) *(Tephroclystis)*	E	--	--	--	--	E	--	--	--	--	--	--	--	--	--	--
	NOTE: The report of this species from BC by Anderson (1904) and Jones (1951) is assumed to be erroneous; it was not reported from Canada by Bolte (1990). It may be based on non-BC material in the RBCM.																
910378	*sewardata* Bolte, 1977 *(Eupithecia)*	R	AK	--	--	--	--	--	--	--	--	--	--	--	--	--	--
910379	*sharronata* Bolte, 1990 *(Eupithecia)*	R	AK	YT	--	--	BC	AB	U	MB	ON	QC	LB	NF	--	--	--
	NOTE: Records by Prentice (1963) of *E. fletcherata* from SK are likely this species, but that has not been verified.																
910380	*gelidata* Möschler, 1860 *(Eupithecia)*	R	AK	YT	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--
	compactata Taylor, 1910 *(Eupithecia)*																
	flebilis (Hulst, 1900) *(Tephroclystis)*																
	hyperboreata Staudinger, 1861 *(Eupithecia)*																
	lagganata (Taylor, 1910) *(Eupethecia [sic])*																
	nordeggensis Cassino & Swett, 1922 *(Eupithecia)*																
910381	*multistrigata* (Hulst, 1896) *(Tephroclystis)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--
	spaldingi Taylor, 1910 *(Eupithecia)*																

910382 *perfusca* (Hulst, 1898) *(Tephroclystis)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS --
NOTE: Historical reports of the Palaearctic species *E. innotata* in NA refer to this species.
alberta Taylor, 1906 *(Eupithecia)*
cootenaiata (Dyar, 1904) *(Tephroclystia)*
hanhami Taylor, 1906 *(Eupithecia)*
innotata of authors (not Hufnagel, 1767) *(Phalaena)*
kootenaiata Barnes & McDunnough, 1912 *(Eupithecia)*
winnata Taylor, 1910 *(Eupithecia)*
youngata Taylor, 1906 *(Eupithecia)*
910383 *annulata* (Hulst, 1896) *(Tephroclystis)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS U
NOTE: The PE record by Prentice (1963) could not be verified.
filmata Pearsall, 1908 *(Eupithecia)*
limnata Pearsall, 1909 *(Eupithecia)*
orfordata Cassino, 1927 *(Eupithecia)*
usurpata Pearsall, 1909 *(Eupithecia)*
vinsullata MacKay, 1951 *(Eupithecia)*
910384 *olivacea* Taylor, 1906 *(Eupithecia)* R AK -- -- -- BC -- -- -- -- -- -- -- -- --
910386 *lachrymosa* (Hulst, 1900) *(Tephroclystis)* R E -- -- -- BC AB SK -- -- -- -- -- -- -- --
NOTE: An AK voucher reported by Ferris et al. (2012) is erroneous; it shares a DNA barcode with *E. succenturiata* rather than with other *E. lachrymosa* specimens.
georgii McDunnough, 1929 *(Eupithecia)*
kananaskata MacKay, 1951 *(Eupithecia)*
910387 *lafontaineata* Bolte, 1990 *(Eupithecia)* R -- -- -- -- BC AB P -- -- -- -- -- -- -- --
NOTE: Historical records of the Palaearctic species *E. undata* in western NA by McDunnough (1949b) and others refer to this species, although the LB record of *E. undata* by Moeschler (1883) refers to some other *Eupithecia* species. *Eupithecia undata* is strictly Palaearctic (Bolte 1990).
undata of authors not Freyer, 1842 *(Eupithecia)*
910388 *lariciata* (Freyer, 1841) *(Larentia)*‡ R -- YT NT -- BC AB SK MB ON QC LB NF NB NS PE
bifasciata (Dyar, 1904) *(Tephroclystis)*
catskillata Pearsall, 1908 *(Eupithecia)*
fasciata Taylor, 1910 *(Eupithecia)*
luteata Packard, 1867 *(Eupithecia)*
910389 *niphadophilata* (Dyar, 1904) *(Tephroclystis)* R AK -- -- -- BC AB -- -- -- -- -- -- -- --
NOTE: Historical records of "*E. sobrinata niphadophilata*" in NA refer to this species; *E. sobrinata* is restricted to the Palaearctic.
910390 *subcolorata* (Hulst, 1898) *(Tephroclystis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
910392 *assimilata* Doubleday, 1856 *(Eupithecia)* R AK -- -- -- BC AB SK MB ON QC -- NF NB U --
NOTE: The NS records by Ferguson (1954a) and Prentice (1963) could not be verified.
fumosa (Hulst, 1896) *(Tephroclystis)*
910397 *tenuata* Hulst, 1880 *(Eupithecia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
NOTE: The report from BC by Dyar (1904) of the Old World species *E. linariata* ([Denis & Schiffermüller]) refers to this species.
910399 *agnesata* Taylor, 1908 *(Eupithecia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
barnesi Cassino & Swett, 1922 *(Eupithecia)*
910402 *stellata* (Hulst, 1896) *(Tephroclystis)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
910403 *bowmani* Cassino & Swett, 1923 *(Eupithecia)* R -- -- -- -- -- AB P P ON P -- -- -- -- --
910405 *niveifascia* (Hulst, 1898) *(Tephroclystis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --
perbrunneata Taylor, 1906 *(Eupithecia)*
910410 *johnstoni* McDunnough, 1946 *(Eupithecia)* R -- -- -- -- BC AB -- -- ON P -- -- NB -- --
910412E *rindgei* McDunnough, 1949 *(Eupithecia)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The report of this species from ON by Ward et al. (1974) is assumed to be erroneous; no Canadian records were reported by Bolte (1990), and it is otherwise restricted to southwestern USA.
910414 *albicapitata* Packard, 1876 *(Eupithecia)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Dyar's (1904) use of the Palaearctic name *E. laquaearia* in BC was repeated by other workers until Taylor (1908) pointed out that the North American species is *E. albicapitata*. True *E. laquaearia* is strictly Palaearctic.
laquaearia of authors not Herrich-Schäffer, 1848 *(Eupithecia)*
910415 *mutata* Pearsall, 1908 *(Eupithecia)* R -- YT -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Use of the Palaearctic name *E. togata* by Forbes (1948) and others refers to *E. mutata*; *E. togata* is a synonym of *E. abietaria* (Goeze), which is strictly Palaearctic.
togata of authors (not Hübner, [1817]) *(Geometra)*
910416 *columbrata* McDunnough, 1940 *(Eupithecia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --
NOTE: Use of the Palaearctic name *E. pini* by Forbes (1948) and others refers to *E. columbrata*; *E. pini* is a synonym of *E. abietaria* (Goeze), which is strictly Palaearctic.
pini of authors (not Retzius, 1783) *(Tinea)*

910417E *helena* Taylor, 1906 *(Eupithecia)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The AB record reported in the Lepidopterists' Society (2008) is erroneous; that record refers to *Macaria helena* (Cassino).

910418 *spermaphaga* (Dyar, 1917) *(Eucymatoge)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

910421 *gilvipennata* Cassino & Swett, 1922 *(Eupithecia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

910422E *scabrogata* Pearsall, 1912 *(Eupithecia)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Reports of this species from BC by various workers beginning with Blackmore (1921) and up to Jones (1951) is assumed to be erroneous; it was not reported from Canada by Bolte (1990).

910426 *absinthiata* (Clerck, 1759) *(Phalaena)*‡ R AK YT -- -- BC AB SK MB ON QC -- NF NB NS --
coagulata Guenée, [1858] *(Eupithecia)*
geminata Packard, 1873 *(Eupithecia)*
meritata Pearsall, 1908 *(Eupithecia)*
packardata Taylor, 1907 *(Eupithecia)*

910427E *subapicata* Guenée, [1858] *(Eupithecia)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Reported from BC by ESBC (1906), but that is erroneous (Pohl et al. 2015b).

910434 *anticaria* Walker, 1862 *(Eupithecia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
explanata Walker, 1862 *(Eupithecia)*

910439 *graefii* (Hulst, 1896) *(Eucymatoge)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *graefii* (Hulst, 1896) *(Eucymatoge)* r ak -- -- -- bc ab -- -- -- -- -- -- -- -- --
stikineata Cassino & Swett, 1922 *(Eupithecia)*
vancouverata (Taylor, 1906) *(Eucymatoge)*
vancouverensis (Pearsall, 1910) *(Eucymatoge)*
b *tulareata* [Cassino & Swett], 1922 *(Eupithecia)*

910440 *nevadata* Packard, 1871 *(Eupithecia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
a *nevadata* Packard, 1871 *(Eupithecia)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
moirata Swett & Cassino, 1919 *(Eupithecia)*
probata Swett & Cassino, 1919 *(Eupithecia)*
b *geneura* Swett & Cassino, 1919 *(Eupithecia)*
c *morensata* Cassino & Swett, 1922 *(Eupithecia)*

910441E *implorata* (Hulst, 1896) *(Tephroclystis)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The report of this species from BC by Jones (1951) is assumed to be erroneous; it was not reported from Canada by Bolte (1990).

910442E *cestata* (Hulst, 1896) *(Tephroclystis)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The report of this species from BC by Jones (1951) is assumed to be erroneous; it was not reported from Canada by Bolte (1990).

910444 *ravocostaliata* Packard, 1876 *(Eupithecia)* R -- -- -- -- BC AB SK MB ON QC LB -- NB NS --

910445 *succenturiata* (Linnaeus, 1758) *(Geometra)** R AK -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: This otherwise Palaearctic species was reported from AK by Ferris et al. (2012), based on two DNA barcoded specimens.

Prorella **Barnes & McDunnough, 1918**

910454 *leucata* (Hulst, 1896) *(Tephroclystis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

910462 *mellisa* (Grossbeck, 1908) *(Gymnoscelis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Pasiphila **Meyrick, 1883**
tax info: Ferguson & Mello (1996)

910466 *rectangulata* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- -- -- ON QC -- NF NB NS PE
nigrosericeata (Haworth, 1809) *(Phalaena)*
rectangularia (Boisduval, 1840) *(Eupithecia)*

tribe Trichopterygini Warren, 1984

Carsia **Hübner, 1825**

910467 *sororiata* (Hübner, [1813]) *(Geometra)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
a *sororiata* (Hübner, [1813]) *(Geometra)*
paludata (Thunberg, 1788) *(Phalaena)*
b *alpinata* Packard, 1873 *(Carsia)*
boreata Packard, 1873 *(Carsia)*

c *labradoriensis* (Sommer, 1898) *(Anaitis)*
d *thaxteri* Swett, 1917 *(Carsia)*
e *columbia* McDunnough, 1939 *(Carsia)*

Aplocera Stephens, 1827

910468 *plagiata* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- SK -- ON QC -- -- NB -- --
NOTE: Released for biocontrol of St. John's Wort (*Hypericum perforatum* L.) in BC and SK (De Clerck-Floate & Carcamo 2011).

Acasis Duponchel, 1844

910476 *viridata* (Packard, 1873) *(Lobophora)* R AK YT -- -- BC AB -- MB ON QC LB NF NB NS PE
eborata (Hulst, 1896) *(Agia)*

Cladara Hulst, 1896

910478 *limitaria* (Walker, 1860) *(Cleora)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
a *limitaria* (Walker, 1860) *(Cleora)* r -- -- -- -- u u sk mb on qc lb nf nb ns pe
fusifasciata (Walker, 1862) *(Lobophora)*
lobophorata (Walker, 1862) *(Scotosia)*
longipennis (Walker, 1866) *(Larentia)*
reiffi (Swett, 1910) *(Nyctobia)*
b *nigroangulata* (Strecker, 1899) *(Lobophora)* r ak -- -- -- bc ab -- e -- -- -- -- -- -- --
910479E *anguilineata* (Grote & Robinson, 1867) *(Lobophora)* E -- -- -- -- -- -- -- -- -- E -- -- -- E --
NOTE: Canadian records (in Forbes 1948, as well as in recent QC works) are based on misidentified *C. limitaria*; this was corrected in Handfield (2011).
910480 *atroliturata* (Walker, [1863]) *(Lobophora)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
geminata (Grote & Robinson, 1866) *(Larentia)*
vernata (Packard, 1873) *(Eupithecia)*

Lobophora Curtis, 1825

910481 *nivigerata* Walker, 1862 *(Lobophora)* R AK -- NT -- BC AB SK MB ON QC LB NF NB NS PE
a *nivigerata* Walker, 1862 *(Lobophora)*
b *tabulata* (Hulst, 1896) *(Talledega)*
910482 *montanata* Packard, 1874 *(Lobophora)* R AK -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Historical AB records refer to *L. magnoliatoidata*.
nocticolata (Hulst, 1881) *(Cidaria)*
910483 *simsata* Swett, 1920 *(Lobophora)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Bowman's (1921) record from AB is assumed to be erroneous. This taxon is questionably distinct from *L. nivigerata*.
910484 *magnoliatoidata* (Dyar, 1904) *(Talledega)* R AK YT NT -- BC AB -- -- -- -- -- -- -- -- --
NOTE: This taxon is questionably distinct from *L. nivigerata*.
910485 *canavestita* (Pearsall, 1906) *(Philopsia)* R -- YT NT -- BC -- -- -- -- -- -- -- -- -- --

Heterophleps Herrich-Schäffer, [1854]

910486 *refusaria* (Walker, 1861) *(Macaria)* R -- -- -- -- -- -- U MB ON QC -- -- U -- --
NOTE: This species was reported from SK by Hooper (2007) and Troubridge & Lafontaine (2003), but no verified specimens could be located. The NB record by Lafontaine et al. (2001) also could not be verified.
harveiata Packard, 1876 *(Heterophleps)*
refusata of authors, [no date] *(Heterophleps)*
910488 *triguttaria* Herrich-Schäffer, [1854] *(Heterophleps)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
hexaspilata (Walker, 1866) *(Corycia)*
quadrinotata (Walker, 1863) *(Stegania)*

Dyspteris Hübner, 1818

910489 *abortivaria* (Herrich-Schäffer, [1855]) *(Geometra)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

subfamily Sterrhinae Meyrick, 1892

tax info: McGuffin (1967)

tribe Sterrhini Meyrick, 1892

Lobocleta Warren, 1906

910502E *quaesitata* (Hulst, 1880) *(Acidalia)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Reports of this species in BC and AB by various historical workers are erroneous; it is restricted to southwestern USA (Covell 1970, Pohl et al. 2010, deWaard 2010).

910506E *peralbata* (Packard, 1873) *(Acidalia)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Winn (1912) is based on a misidentification of *Hydrelia albifera* (Handfield et al. 1997).

Idaea Treitschke, 1825

910523 *demissaria* (Hübner, [1831]) *(Eois)* R -- -- -- -- BC -- -- MB ON QC -- -- NB -- --
a *demissaria* (Hübner, [1831]) *(Eois)*
ferrugata (Packard, 1876) *(Eois)*
inclusaria (Walker, 1863) *(Acidalia)*
russata (Hulst, 1887) *(Eois)*
b *columbia* (McDunnough, 1927) *(Ptychopoda)*

910526 *occidentaria* (Packard, 1874) *(Hyria)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
occidentata of authors, [no date] *(Idaea)*

910529 *violacearia* (Walker, 1861) *(Acidalia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
benubia (Cassino, 1931) *(Euacidalia)*
floridaria (Hulst, 1888) *(Boarmia)*
lacteola (Lintner, 1878) *(Acidalia)*
nimbicolor (Hulst, 1896) *(Eois)*

910534 *rotundopennata* (Packard, 1876) *(Acidalia)* R AK YT NT -- BC AB SK MB ON QC -- -- NB NS PE
hanhami (Hulst, 1898) *(Eois)*

910535 *dimidiata* (Hufnagel, 1767) *(Phalaena)*‡ R -- -- -- -- BC AB -- -- ON QC -- NF NB NS PE
delictata (Prout, 1913) *([unknown])*
tauricola (Wehrli, 1934) *(Ptychopoda)*

tribe Cosymbiini Prout, 1911

Pleuroprucha Möschler, 1890

910540 *insulsaria* (Guenée, [1858]) *(Acidalia)* R -- -- -- -- -- -- -- E ON QC -- -- NB NS EP
NOTE: The Brodie (1929) record from Cartwright (MB) could not be verified and is far northwest of the known distribution of this species, so that is deemed erroneous. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
insularia of authors, [no date] *(Pleuroprucha)*
invariata (Walker, 1863) *(Acidalia)*
persimilata (Grote, 1863) *(Acidalia)*
placidaria (Guenée, [1858]) *(Acidalia)*

Cyclophora Hübner, 1822

910543 *dataria* (Hulst, 1887) *(Acidalia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
microps (Prout, 1936) *(Cosymbia)*
piazzaria (Wright, 1924) *(Cosymbia)*

910544 *packardi* (Prout, 1936) *(Cosymbia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

910547 *pendulinaria* (Guenée, [1858]) *(Ephyra)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical reports of the Old World species *Derambila lumenaria* in NA (sometimes placed in the genus *Cosymbia*) refer to this species.
dilucidaria Rothke, 1920 *(Cyclophora)*
griseor (McDunnough, 1927) *(Cosymbia)*
lumenaria of authors (not Geyer, 1832) *(Cosymbia)*
nigricaria Rothke, 1920 *(Cyclophora)*
quadriannulata (Walker, 1863) *(Acidalia)*

tribe Timandrini Stephens, 1850

Haematopis Hübner, 1823

910554 *grataria* (Fabricius, 1798) *(Phalaena)* R -- -- NT -- BC AB SK MB ON QC -- -- NB -- --
annettearia Haimbach, 1907 *(Haematopis)*
successaria (Walker, 1860) *(Rhodostrophia)*

Timandra Duponchel, 1829

910555P *amaturaria* Walker, 1866 *(Timandra)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species was listed as probable for QC by Handfield et al. (1997) and Handfield (2011). It is known from adjacent USA.
effusaria (Prout, 1936) *(Calothysanis)*

tribe Scopulini Duponchel, 1845

Scopula Schrank, 1802
tax info: Covell (1970), Sihvonen (2001)

910565 *cacuminaria* (Morrison, 1874) *(Acidalia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
910566 *purata* (Guenée, [1858]) *(Acidalia)* U -- -- -- -- -- -- -- E U E -- -- -- -- --
NOTE: Historical records from MB are based on material in the Heath collection in the UMB, that are misidentified specimens of *S. cacuminaria*. The ON record by Riotte (1992) could not be verified. The QC record by Winn (1912) was deemed erroneous by Handfield et al. (1997).
nigrocandida (Hulst, 1898) *(Synelys)*
910567 *limboundata* (Haworth, 1809) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Historical records under the Palaearctic name "*Synelys alabastaria* Hbn." in NA refer to this species. The name *alabastaria* is not listed in Scoble (1999), but was associated with *S. limboundata* by Hanham (1901).
adornata (Prout, 1907) *(Synelys)*
continuaria (Walker, 1866) *(Acidalia)*
enucleata (Guenée, [1858]) *(Acidalia)*
mensurata (Walker, 1866) *(Acidalia)*
nigrodiscalis (Hulst, 1898) *(Leptomeris)*
reconditaria (Walker, 1861) *(Acidalia)*
relevata (Swett, 1907) *(Synelys)*
restricata (Walker, 1861) *(Acidalia)*
910570 *ancellata* (Hulst, 1887) *(Acidalia)* R -- -- NT -- BC AB SK MB ON QC -- NF -- -- --
910571 *fuscata* (Hulst, 1887) *(Acidalia)* R -- -- -- -- BC AB U -- -- -- -- -- -- -- --
NOTE: The SK record by Hooper (2006c), based on FIDS records, could not be verified. The species was reported from the Cypress Hills of southeastern AB, by Bowman (1951), and may well occur across the border in SK.
910572 *junctaria* (Walker, 1861) *(Acidalia)* R AK U NT -- BC AB SK MB ON QC U NF NB NS PE
NOTE: Reported from YT by Lafontaine & Wood (1997), and LB by Troubridge & Lafontaine (2003) but vouchers could not be located for either record. The LB record by The Lepidopterists' Society (2006) was erroneous, the location is in NF.
a *junctaria* (Walker, 1861) *(Acidalia)*
b *johnstonaria* McDunnough, 1941 *(Scopula)*
johnsonaria McDunnough, 1941 *(Scopula)*
910573 *quinquelinearia* (Packard, 1871) *(Acidalia)* R -- YT NT -- BC AB -- E -- E -- -- -- -- --
NOTE: Records east of AB are erroneous, based on misidentified material.
impunctata (Warren, 1904) *(Synelys)*
vestalialis (Barnes & McDunnough, 1913) *(Synelys)*
910574 *quadrilineata* (Packard, 1876) *(Acidalia)* R -- -- -- -- E P SK MB ON QC -- U NB NS --
NOTE: This species was listed in error by Cannings & Scudder (2007) and deWaard (2010); no vouchers are known west of SK. Forbes (1948) reported the species from NF but no vouchers could be located.
persimilis (Hulst, 1898) *(Eois)*
quadrilinearia (Hulst, 1896) *(Eois)*
910575 *frigidaria* (Möschler, 1860) *(Acidalia)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
arcticaria (Walker, 1863) *(Acidalia)*
defixaria (Walker, 1861) *(Acidalia)*
impauperata (Walker, 1861) *(Acidalia)*
okakaria (Packard, 1867) *(Acidalia)*

910576 *siccata* McDunnough, 1939 *(Scopula)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
910577 *cajanderi* (Herz, 1903) *(Acidalia)** R AK YT NT NU BC -- -- -- -- -- -- -- -- -- --
septentrionicola McDunnough, 1939 *(Scopula)*
910578 *inductata* (Guenée, [1858]) *(Acidalia)* R AK YT NT -- BC AB SK MB ON QC P NF NB NS PE
anticaria (Walker, 1860) *(Acidalia)*
consecutaria (Walker, 1866) *(Acidalia)*
delicata (Cassino, 1931) *(Acidalia)*
oliveata (Cassino, 1931) *(Acidalia)*
sobria (Walker, 1866) *(Acidalia)*
suppressaria (Walker, 1862) *(Acidalia)*
910579 *luteolata* (Hulst, 1880) *(Cidaria)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
subfuscata (Taylor, 1906) *(Leptomeris)*
910580 *sideraria* (Guenée, [1858]) *(Acidalia)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: The Hanham (1901) MB record is deemed erroneous, this species occurs only in the West from BC to CA (McGuffin 1967).
bucephalaria (Barnes & McDunnough, 1918) *(Acidalia)*
californiaria (Packard, 1871) *(Acidalia)*
chretieni (Barnes & Benjamin, 1923) *(Acidalia)*
magnetaria (Guenée, [1858]) *(Acidalia)*
pacificaria (Packard, 1871) *(Acidalia)*
rubrolinearia (Packard, 1873) *(Acidalia)*
910581 *sentinaria* (Geyer, 1837) *(Haematopis)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
gracilior (Butler, 1893) *(Thamnonoma)*
spuriaria (Christoph, 1858) *(Aspilates)*

Leptostales Möschler, 1890

910585E *hepaticaria* (Guenée, [1858]) *(Acidalia)* E -- -- -- -- E -- -- E -- E -- -- -- -- --
NOTE: Historical Canadian records are erroneous; this is a southeastern USA species.
910589 *rubromarginaria* (Packard, 1871) *(Acidalia)* R -- -- -- -- BC -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Forbes (1948) is erroneous and likely refers to *L. ferruminaria*; *L. rubromarginaria* is not known east of BC in Canada.
erythrata (Hulst, 1880) *(Cidaria)*
rubromarginata of authors, [no date] *(Leptostales)*
volucrata (Hulst, 1887) *(Acidalia)*
910590 *ferruminaria* (Zeller, 1872) *(Acidalia)* R -- -- -- -- U AB SK MB ON QC -- -- -- -- --
NOTE: Reported from the Peace River region of BC by Shepard (1999), but vouchers have not been confirmed.

subfamily Geometrinae Stephens, 1829

tax info: Ferguson (1985), McGuffin (1988)

tribe Nemoriini Gumppenberg, 1887

Chlorosea Packard, 1873

910593 *nevadaria* Packard, 1873 *(Chlorosea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
proutaria Pearsall, 1911 *(Chlorosea)*
910594 *banksaria* Sperry, 1944 *(Chlorosea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
a *banksaria* Sperry, 1944 *(Chlorosea)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
b *gracearia* Sperry, 1946 *(Chlorosea)*

Nemoria Hübner, 1818

910599 *unitaria* (Packard, 1873) *(Eunemoria)* R -- -- -- -- BC AB SK U -- -- -- -- -- -- --
NOTE: Reported from MB by Troubridge & Lafontaine (2003), but these may be misidentifications as no vouchers could be located. However, the species is known as far east as the Black Hills of SD (Ferguson 1985).
hudsonaria (Taylor, 1906) *(Aplodes)*
junctolinearia (Graef, 1881) *(Aplodes)*
unilinearia (Taylor, 1908) *(Aplodes)*

910608E *extremaria* (Walker, 1861) *(Racheospila)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Winn (1912) is assumed to be erroneous, as it has not been repeated in subsequent QC lists.

910615 *darwiniata* (Dyar, 1904) *(Aplodes)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *darwiniata* (Dyar, 1904) *(Aplodes)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
mentastii Guedet, 1941 *(Nemoria)*
oregonensis Cassino, 1927 *(Nemoria)*
b *punctularia* Barnes & McDunnough, 1918 *(Nemoria)*
californica Prout, 1932 *(Nemoria)*

910627 *bistriaria* Hübner, 1818 *(Nemoria)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
a *bistriaria* Hübner, 1818 *(Nemoria)* u -- -- -- -- -- -- -- -- u u -- -- -- -- --
brunnearia (Packard, 1876) *(Aplodes)*
rubrolinearia (Packard, 1873) *(Aplodes)*
b *siccifolia* (Fitch, 1857) *(Geometra)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
rubromarginaria (Packard, 1876) *(Aplodes)*

910628 *rubrifrontaria* (Packard, 1873) *(Racheospila)* R -- -- -- -- E AB P -- ON QC -- -- NB NS EP
NOTE: The BC record by Anderson (1904) was based on misidentified *Synchlora aerata* material. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
packardaria (Grote, 1882) *(Aplodes)*

910629 *mimosaria* (Guenée, [1858]) *(Aplodes)* R -- -- -- -- E AB SK MB ON QC -- -- NB NS EP
NOTE: The BC record by Anderson (1904) is assumed to be erroneous as no vouchers are known. It probably refers to *N. glaucomarginaria*, which had not been described at that time. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
approximaria (Packard, 1873) *(Aplodes)*
coniferaria (Packard, 1884) *(Aplodes)*
latiaria (Packard, 1873) *(Aplodes)*
tractaria (Walker, 1861) *(Iodis)*
venustus (Walsh, 1864) *(Hipparchiscus)*

910630 *glaucomarginaria* (Barnes & McDunnough, 1917) *(Racheospila)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Dichorda Warren, 1900

910634 *iridaria* (Guenée, [1858]) *(Geometra)* R -- -- -- -- -- -- -- E ON QC -- -- -- NS --
NOTE: The MB record by Hanham (1901) could not be verified and is deemed erroneous. This species is otherwise unknown northwest of WI.
a *iridaria* (Guenée, [1858]) *(Geometra)* r -- -- -- -- -- -- -- -- on qc -- -- -- ns --
b *remotaria* (Walker, 1861) *(Geometra)*
latipennis (Hulst, 1898) *(Slossonia)*

910637 *rectaria* (Grote, 1877) *(Geometra)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *rectaria* (Grote, 1877) *(Geometra)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
b *cockerelli* Sperry, 1939 *(Dichorda)*

tribe Synchlorini Ferguson, 1969

Synchlora Guenée, 1857

910639 *aerata* (Fabricius, 1798) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC E NF NB NS PE
NOTE: The LB record by Troubridge & Lafontaine (2003) is deemed erroneous as no vouchers could be located, and the known distribution lies well to the south of LB.
a *aerata* (Fabricius, 1798) *(Phalaena)* u -- -- -- -- -- -- -- -- u u -- -- -- -- --
glaucaria (Guenée, [1858]) *(Aplodes)*
gracilaria (Packard, 1873) *(Eunemoria)*
mimicata (Walker, 1866) *(Geometra)*
rubivora (Riley, 1869) *(Aplodes)*
rubivoraria Packard, 1876 *(Synchlora)*
rubrifrontaria Packard, 1873 *(Synchlora)*
rufofrontaria Gumppenberg, 1895 *(Synchlora)*
b *albolineata* Packard, 1873 *(Synchlora)* r -- -- -- -- -- -- sk mb on qc -- nf nb ns pe
albolinearia Packard, 1876 *(Synchlora)*

c *liquoraria* Guenée, [1858] *(Synchlora)* r -- -- -- -- bc ab -- e -- -- -- e -- -- --
tricoloraria (Packard, 1874) *(Eunemoria)*

910640 *frondaria* Guenée, [1858] *(Synchlora)* R -- -- -- -- -- -- -- E ON -- -- -- -- -- --
NOTE: Three specimens from southern ON have recently been determined as this species via DNA barcoding, and are the first known authentic specimens from Canada. The MB record by Brodie (1929), as *S. denticularia*, a synonym, is deemed erroneous. An old voucher specimen in the MMMN has an illegible locality label (not necessarily from MB) and is probably a misidentified specimen of *S. aerata*.

a *frondaria* Guenée, [1858] *(Synchlora)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --
albicostaria (Herrich-Schäffer, 1870) *(Eucrostis)*
denticularia (Walker, 1861) *(Nemoria)*
excurvaria Packard, 1873 *(Synchlora)*
minuata (Walker, 1866) *(Thalera)*
pallida (Warren, 1900) *(Aplodes)*

b *avidaria* Pearsall, 1917 *(Synchlora)*

910647 *bistriaria* (Packard, 1876) *(Chlorosea)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
clareki (Sperry, 1939) *(Cheteoscelis)*
undinaria (Strecker, 1878) *(Aplodes)*

tribe Hemitheini Bruand, 1846

Chlorochlamys Hulst, 1896

910654 *chloroleucaria* (Guenée, [1858]) *(Nemoria)* R -- -- -- -- -- E SK MB ON QC -- -- NB NS PE
NOTE: This species was reported "from NS to AB" by Belton (1988), but no specimens are known west of SK.
densaria (Walker, 1863) *(Nemoria)*
deprivata (Walker, 1863) *(Thalassodes)*
desolataria (Herrich-Schäffer, 1870) *(Geometra)*
flavilineata (Riley, 1870) *(Aplodes)*
indiscriminata (Walker, 1863) *(Nemoria)*
rectilinea (Zeller, 1872) *(Eucrostis)*

910655 *triangularis* Prout, 1912 *(Chlorochlamys)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Hemithea Duponchel, 1829

910666 *aestivaria* (Hübner, [1799]) *(Phalaena)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Hethemia Ferguson, 1969

910667 *pistasciaria* (Guenée, [1858]) *(Nemoria)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
a *pistasciaria* (Guenée, [1858]) *(Nemoria)* r -- -- -- -- -- -- -- mb on qc -- -- nb ns pe
dyarii (Hulst, 1900) *(Nemoria)*
euchloraria (Guenée, [1858]) *(Iodis)*
gratata (Packard, 1876) *(Nemoria)*
subcroceata (Walker, 1862) *(Nemoria)*
superata (Walker, 1866) *(Thalera)*

b *insecutata* (Walker, [1863]) *(Acidalia)*
auranticolorata (Strecker, 1899) *(Nemoria)*

Mesothea Warren, 1901

910668 *incertata* (Walker, [1863]) *(Nemoria)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *incertata* (Walker, [1863]) *(Nemoria)* r u u nt -- u ab sk mb on qc lb nf nb ns pe
oporaria (Zeller, 1872) *(Nemoria)*

b *viridipennata* (Hulst, 1896) *(Eucrostis)* r ak yt nt -- bc ab -- e -- -- -- -- -- -- --
marinaria (Strecker, 1899) *(Thamnonoma)*

subfamily Archiearinae Fletcher, 1953
tax info: McGuffin (1988)

Archiearis Hübner, 1821
Brephos Hübner, 1806

910669 *infans* (Möschler, 1862) *(Brephos)* R AK P NT -- BC AB SK MB ON QC LB NF NB NS PE
a *infans* (Möschler, 1862) *(Brephos)* r u -- nt -- u ab sk mb on qc lb nf nb ns pe
hamadryas (Harris, 1869) *(Brephos)*
b *oregonensis* (Swett, 1917) *(Brephos)* r u -- -- -- bc -- -- -- -- -- -- -- -- -- --

Leucobrephos Grote, 1874

910670 *brephoides* (Walker, 1857) *(Anarta)* R AK YT -- -- BC AB SK MB ON QC LB -- -- -- --
NOTE: Hanham (1901) referred to this species in MB under the Palaearctic name *L. middendorfi* Ménétriés.
hoyi (Grote, 1880) *(Melicleptria)*
resoluta (Zeller, 1863) *(Archiearis)*

Boudinotiana Leraut, 2002

910671E *hodeberti* Leraut, 2002 *(Boudinotiana)* E -- -- -- -- -- -- -- -- -- -- E -- -- -- --
NOTE: This species was described from "Labrador", but the locality was misinterpreted and is actually in Asia; this species does not occur in NA.

subfamily Ennominae Duponchel, 1845

tribe Alsophilini Herbulot, 1962
tax info: McGuffin (1988)

Alsophila Hübner, 1825

910672 *pometaria* (Harris, 1841) *(Anisopteryx)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
autumnata (Packard, 1876) *(Anisopteryx)*
restituens (Walker, 1860) *(Anisopteryx)*

tribe Cassymini Holloway, 1994
tax info: Ferguson (2008)

Nematocampa Guenée, 1857

910676 *resistaria* (Herrich-Schäffer, [1856]) *(Microgonia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
brunneolineata (Hulst, 1900) *(Eugonobapta)*
chagnoni (Swett, 1913) *(Ania)*
expunctaria Grote, 1872 *(Nematocampa)*
filamentaria Guenée, 1857 *(Nematocampa)*
limbata (Haworth, 1809) *(Phalaena)*
orfordensis Cassino & Swett, 1922 *(Nematocampa)*

Protitame McDunnough, 1939

910683 *virginalis* (Hulst, 1900) *(Cymatophora)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
albescens McDunnough, 1939 *(Protitame)*
discalis McDunnough, 1939 *(Protitame)*
hulstaria Bowman, 1951 *(Protitame)*
hulstiaria (Taylor, 1906) *(Diastictis)*
910684 *subalbaria* (Packard, 1873) *(Acidalia)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: Listed from MB by Hanham (1901) as "*Diastictis subalbaria* Hulst", which, according to McDunnough (1938), refers to "*Itame hulstiaria* Taylor" [now=*Protitame virginalis*] rather than "*Itame subalbaria* Packard".
matilda (Dyar, 1904) *(Cymatophora)*
pallicolor (Dyar, 1923) *(Phasiane)*

tribe Macariini Guenée, [1858]
tax info: Ferguson (2008)

***Heliomata* Grote & Robinson, 1866**

910686 *cycladata* Grote & Robinson, 1866 *(Heliomata)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
fulliola Barnes & McDunnough, 1917 *(Heliomata)*

***Isturgia* Hübner, 1823**

910689 *dislocaria* (Packard, 1876) *(Semiothisa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
a *dislocaria* (Packard, 1876) *(Semiothisa)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
b *malefactaria* (Barnes & McDunnough, 1917) *(Phasiane)*
e -- -- -- -- -- -- -- -- e -- -- -- -- -- --

***Eumacaria* Packard, 1873**

910690 *madopata* (Guenée, [1858]) *(Macaria)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
brunneata (Packard, 1873) *(Macaria)*
latiferrugata (Walker, [1863]) *(Macaria)*

***Mellilla* Grote, 1873**

910691 *xanthometata* (Walker, 1862) *(Fidonia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
chamaechrysaria Grote, 1873 *(Mellilla)*
rilevaria (Packard, 1876) *(Lythria)*
snoviaria (Packard, 1876) *(Lythria)*

***Epelis* Hulst, 1896**
Isturgia of authors not Hübner, [1823]

910693 *truncataria* (Walker, 1862) *(Fidonia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE

***Psamatodes* Guenée, 1857**

pallidata group Ferguson, 2008

910695E *atrimacularia* (Barnes & McDunnough, 1913) *(Macaria)*
E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Reported from BC by Cannings & Scudder (2007) based on a misidentification; this species is known only from TX.

***Macaria* Curtis, 1826**
Itame Hübner, 1823
Semiothisa Hübner, 1818
Speranza Curtis, 1828

brunneata group Ferguson, 2008

910702 *brunneata* (Thunberg, 1784) *(Geometra)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
ferruginaria (Packard, 1873) *(Eupistheria)*
fulvaria (Villers, 1789) *(Phalaena)*

910703E *inextricata* Walker, 1861 *(Macaria)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The historical QC record by Winn (1912), as "*Diastictis inceptaria*", is incorrect. Forbes (1954) treats "*inceptaria of authors*" as a synonym of *M. inextricata*, but more northern records, such as Winn's (1912) record from Montreal (QC), refer to another *Macaria* species (Handfield et al. (1997) attribute it to *M. evagaria*). (Forbes (1954) pointed out that the true *inceptaria* is a synonym of *Phalaenostola metonalis*, in the Erebidae.)
inceptaria of authors (not Walker, 1860) *(Tephrosia)*

910705 *sulphurea* (Packard, 1873) *(Eupistheria)* R -- -- -- -- E E E MB ON QC LB NF NB NS P
NOTE: Historical records of this species west of eastern MB refer to *M. amboflava*. Specimens in eastern MB share some features of *M. sulphurea* and *M. amboflava*, but were deemed closer to the former by Ferguson (2008).

olivalis (Hulst, 1898) *(Diastictis)*
sulphuraria (Packard, 1876) *(Thamnonoma)*

910706 *amboflava* (Ferguson, 1953) *(Itame)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

abruptata group Ferguson, 2008

910707 *abruptata* (Walker, 1862) *(Camptogramma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
pallidula (Hulst, 1896) *(Diastictis)*

exauspicata group Ferguson, 2008

910709 *anataria* (Swett, 1913) *(Diastictis)* R E E E -- E E E MB ON QC LB NF NB NS P
NOTE: According to Ferguson (2008), historical records of this species west of ON refer to the recently described *M. boreata*. However, a specimen from Churchill (MB) shares a DNA barcode with eastern material.

910710 *boreata* (Ferguson, 2008) *(Speranza)* R AK YT NT -- BC AB SK P P P LB -- -- -- --
NOTE: This northern species was recently separated from *M. anataria* by Ferguson (2008).

910711E *coloradensis* (Hulst, 1896) *(Sympherta)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The Lepidopterists' Society (2006) incorrectly listed this species from AB; the record refers to *Eupithecia coloradensis*.

910712 *exauspicata* Walker, 1861 *(Macaria)* R -- -- -- -- BC AB SK MB ON QC P NF NB U --
NOTE: The NS record by Prentice (1963) could not be verified.

coortaria group Ferguson, 2008

910715 *coortaria* (Hulst, 1887) *(Thamnonoma)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
enigmata (Barnes & McDunnough, 1917) *(Itame)*

910716 *hesperata* (Ferguson, 2008) *(Speranza)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

bitactata group Ferguson, 2008

910718 *bitactata* (Walker, 1862) *(Thera)* R AK YT NT -- BC AB SK MB ON QC LB NF NB E --
NOTE: Historical records of this species from NS are incorrect, it occurs only as far south as northern NB (Ferguson 2008).
atrosignata (Walker, 1862) *(Heterophleps)*
epigenata (Barnes & McDunnough, 1917) *(Itame)*
packardaria (Möschler, 1883) *(Halia)*

910719 *wauaria* (Linnaeus, 1758) *(Geometra)*+ R -- -- -- -- -- -- -- -- ON QC -- NF XT XT --
NOTE: This species was introduced to NA in the mid 1800s (Ferguson 2008). It was once widely distributed in eastern Canada from NF to ON, but appears to have been extirpated from NB and NS since the early 1900s.

910720 *subcessaria* (Walker, 1861) *(Halia)* R -- -- -- -- -- -- -- MB ON QC P E NB NS --
NOTE: The sole NF record, collected at Carbonnear by Gosse in 1832, was cited by Krogerus (1954) and Morris (1980). That record is deemed erroneous, as it has not been found there since. The specimen in question is likely attributable to *M. bitactata*, or perhaps to the introduced *M. wauaria*.
perarcuata (Walker, 1862) *(Thera)*

910721E *denticulodes* (Hulst, 1896) *(Diastictis)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: The Canadian records of this species by Prentice (1963) have been corrected to *M. decorata*; this species is restricted to southwestern USA (Ferguson 2008).

910723 *decorata* (Hulst, 1896) *(Diastictis)* R -- YT NT -- BC AB SK -- -- -- -- -- -- -- --

colata group Ferguson, 2008

910724 *colata* (Grote, 1881) *(Phasiane)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *colata* (Grote, 1881) *(Phasiane)*
sericeata (Hulst, 1898) *(Diastictis)*
b *correllatum* (Hulst, 1896) *(Selidosema)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

ribearia group Ferguson, 2008

910725 *occiduaria* (Packard, 1874) *(Caulostoma)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
andersoni (Swett, 1916) *(Diastictis)*
flavicaria of authors (not Packard, 1876) *(Thamnonoma)*
orientis (Ferguson, 1953) *(Itame)*

910726 *argillacearia* (Packard, 1874) *(Tephrina)* R -- -- -- -- -- -- -- -- ON QC -- NF NB -- --
modestaria (Hulst, 1895) *(Tephrina)*
910727 *evagaria* (Hulst, 1900) *(Cymatophora)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
910728E *flavicaria* (Packard, 1876) *(Thamnonoma)* E -- -- -- -- E E E E E E -- -- -- -- --
NOTE: This species was reported in Canada by many historical workers. However, according to Forbes (1948), those early reports were confused with *M. occiduaria*. *Macaria flavicaria* does not occur north of UT (Ferguson 2008).
subfalcata (Hulst, 1896) *(Diastictis)*
910729 *helena* (Cassino, 1928) *(Itame)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
910730 *ribearia* (Fitch, 1848) *(Abraxas)* R -- -- -- -- -- AB SK MB ON QC -- -- NB -- --
aniusaria (Walker, 1863) *(Ellopia)*
annisaria (Walker, 1860) *(Endropia)*
fascioferaria (Hulst, 1887) *(Thamnonoma)*
sigmaria (Guenée, [1858]) *(Aspilates)*
910731 *simplex* (Dyar, 1907) *(Pygmaena)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Speranza [=Macaria] ungrouped Ferguson, 2008

910732 *lorquinaria* (Guenée, [1858]) *(Tephrina)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
tripunctaria (Packard, 1873) *(Halia)*
910733 *loricaria* (Eversmann, 1837) *(Fidonia)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
julia (Hulst, 1896) *(Sympherta)*
nubilata (Warren, 1904) *(Thamnonoma)*
910734 *plumosata* (Barnes & McDunnough, 1917) *(Itame)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
910735 *pustularia* (Guenée, [1858]) *(Stegania)* R -- -- -- -- E -- SK MB ON QC -- NF NB NS PE
NOTE: The BC record by Blackmore (1922b) is erroneous; this is an eastern/Great Plains species (Ferguson 2008).

quadrilinearia group Ferguson, 2008

910736 *quadrilinearia* (Packard, 1873) *(Halia)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) is erroneous; a voucher collected at Morden (MB) has been redetermined as *M. occiduaria*.
disparata (Warren, 1904) *(Tephrina)*
inquinaria (Hulst, 1887) *(Semiothisa)*
pallescens (Grossbeck, 1907) *(Selidosema)*

notata group Ferguson, 2008

910749 *notata* (Linnaeus, 1758) *(Phalaena)** R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical records in NA under the Palaearctic name "*Philobia enotata* Guenée", a synonym of the Palaearctic species *M. regulata* (Fabricius), are erroneous. The records probably refer to *M. notata* (Linnaeus), which is similar in appearance.
a *notata* (Linnaeus, 1758) *(Phalaena)* r -- -- nt -- bc ab sk mb on qc lb nf nb ns pe
notaria Morris, 1861 *(Macaria)*
notataria ([Denis & Schiffermüller], 1775) *(Geometra)*
enotata of authors not Guenée, [1858] *(Macaria)*
ulsterata (Pearsall, 1913) *(Philobia)*
b *appalachiata* Ferguson, 2008 *(Macaria)*
910750 *aemulataria* Walker, 1861 *(Macaria)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
aspirata (Pearsall, 1913) *(Philobia)*
perplexata (Pearsall, 1913) *(Philobia)*
sectomaculata Morrison, 1874 *(Macaria)*
versitata (Pearsall, 1913) *(Philobia)*
910752 *promiscuata* (Ferguson, 1974) *(Semiothisa)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Ferguson (2008) makes no mention of the record from ON by Wormington (1995a), but there is no reason to doubt the species could occur in southern ON; it is known from the adjacent USA.

bicolorata group Ferguson, 2008

910756 *bisignata* Walker, 1866 *(Macaria)* R -- -- -- -- -- E -- -- ON QC -- U NB NS PE
NOTE: The AB record by Prentice (1963) is a misidentification (Pohl et al. 2010). This species is restricted to White Pine (*Pinus strobus* L.), and there are no confirmed records of the moth west of ON (McGuffin 1972). The sole NF record by Prentice (1963) is unverified but plausible.
consimilata Zeller, 1872 *(Macaria)*

festa (Hulst, 1896) *(Diastictis)*
galbineata Zeller, 1872 *(Macaria)*

910757 *masquerata* Ferguson, 2008 *(Macaria)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
bicolorata of authors (not Fabricius, 1798) *(Phalaena)*

910758E *bicolorata* (Fabricius, 1798) *(Phalaena)* E -- -- -- -- E E E E E E -- -- E E --
NOTE: Historical records of this species in Canada refer to the recently described *M. masquerata*. *Macaria bicolorata* is found in the eastern USA and does not occur in Canada (Ferguson 2008).
praeatomata (Haworth, 1809) *(Phalaena)*

910759 *adonis* Barnes & McDunnough, 1918 *(Macaria)* R -- -- -- -- BC U -- -- -- -- -- -- -- -- --
NOTE: A specimen from Raymond (AB) in the UASM may be mislabelled or an unestablished introduction; this species is otherwise known in Canada only from southern BC.

910761 *transitaria* Walker, 1861 *(Macaria)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
a *transitaria* Walker, 1861 *(Macaria)*
b *resinosae* Ferguson, 2008 *(Macaria)* r -- -- -- -- -- -- -- -- on qc -- -- nb ns --

910762E *distribuaria* (Hübner, 1825) *(Eutropa)* E -- -- -- -- -- -- -- -- -- -- -- -- E --
NOTE: The unvouchered NS record from Ferguson (1954a) is deemed erroneous, as there is no menton of this species from Canada in Ferguson (2008).

910764 *minorata* Packard, 1873 *(Macaria)* R -- -- -- -- E -- -- -- ON QC -- -- NB NS EP
NOTE: This species was reported from BC by ESBC (1906) and Forbes (1948) under a previous taxonomic arrangement. Their records refer to *M. sexmaculata*. *Macaria minorata* is not known to occur west of ON and MN. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

signaria group Ferguson, 2008

910765 *sexmaculata* Packard, 1867 *(Macaria)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS PE
a *sexmaculata* Packard, 1867 *(Macaria)* r u u nt nu bc ab sk mb on qc lb nf nb ns pe
deleta (Hulst, 1900) *(Cymatophora)*
labradoriata (Möschler, 1883) *(Semiothisa)*
unimodaria Morrison, 1874 *(Macaria)*
b *incolorata* Dyar, 1904 *(Macaria)* r u u -- -- bc ab -- -- -- -- -- -- -- -- --
purcellata (Taylor, 1908) *(Sciagraphia)*

910766 *signaria* (Hübner, [1809]) *(Geometra)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
banksianae (Ferguson, 1974) *(Semiothisa)*
dispuncta (Walker, 1860) *(Tephrosia)*
exnotata (Walker, 1862) *(Larentia)*
fraserata (Ferguson, 1974) *(Semiothisa)*
haliata Walker, 1861 *(Macaria)*
inordinaria (Walker, 1860) *(Boarmia)*
irregulata Walker, 1861 *(Macaria)*
marmorata (Ferguson, 1972) *(Semiothisa)*
perplexa McDunnough, 1927 *(Macaria)*
quadrisignata Walker, 1866 *(Macaria)*
subapicaria Walker, 1863 *(Macaria)*
subapiciaria Walker, 1861 *(Macaria)*
submarmorata Walker, 1861 *(Macaria)*
unipunctaria (Wright, 1916) *(Melanolophia)*

910767 *pinistrobata* (Ferguson, 1972) *(Semiothisa)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE

910768 *fissinotata* (Walker, [1863]) *(Acidalia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
retinotata Walker, 1863 *(Macaria)*

910769 *oweni* (Swett, 1907) *(Sciagraphia)* R -- -- -- -- -- AB SK MB ON QC LB NF NB NS PE

910771 *granitata* Guenée, [1858] *(Macaria)* R -- -- -- -- E E E E ON QC -- -- -- E --
NOTE: Historical reports of this species from western Canada are erroneous; this species is restricted to eastern NA (Ferguson 2008). The NS record by Perrin & Russell (1912) could not be verified and is assumed to refer to another species in this group. *Macaria granitata* appears to be restricted to Pitch Pine (*Pinus rigida* Mill.), which does not occur in NS (Ferguson 2008; Farrar 1995).
succosata Zeller, 1872 *(Macaria)*

multilineata group Ferguson, 2008

910772 *multilineata* Packard, 1873 *(Macaria)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
patriciata (Grote, 1883) *(Semiothisa)*

Digrammia Gumppenberg, 1887

californiaria group Ferguson, 2008

910774 *californiaria* (Packard, 1871) *(Macaria)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

denticulata group Ferguson, 2008

910778 *sexpunctata* (Bates, 1886) *(Semiothisa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: Specimens from BC were confirmed recently by BCS and JdW.

910779 *delectata* (Hulst, 1887) *(Semiothisa)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

910780 *ubiquitata* Ferguson, 2008 *(Digrammia)* R AK P -- -- BC AB P MB -- -- -- -- -- -- --
NOTE: This species was reported as possibly occurring in YT and SK by Ferguson (2008), but no vouchers are known from those regions.

910781 *denticulata* (Grote, 1883) *(Semiothisa)* R AK YT NT -- BC AB SK MB ON QC -- -- -- -- --

nubiculata group Ferguson, 2008

910784 *nubiculata* (Packard, 1876) *(Phasiane)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

910786 *curvata* (Grote, 1880) *(Phasiane)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
cruciata (Grote, 1883) *(Phasiane)*

pallidata group Ferguson, 2008

910788 *triviata* (Barnes & McDunnough, 1917) *(Phasiane)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --
woodgateata (Cassino, 1928) *(Phasiane)*

continuata group Ferguson, 2008

910789 *continuata* (Walker, 1862) *(Anaitis)* R -- -- -- -- E E -- MB ON QC -- -- NB -- --
NOTE: Historical records of this species from BC and AB refer to misidentified *D. setonana* material.
orillata (Walker, [1863]) *(Anaitis)*
strigularia (Walker, 1863) *(Aspilates)*

910791 *setonana* (McDunnough, 1927) *(Phasiane)* R -- -- -- -- BC AB E -- -- -- -- -- -- -- --
NOTE: Hooper's (2006a) report from south-central SK is erroneous; this species does not occur east of the Rocky Mountains in AB.

910798E *atrofasciata* (Packard, 1876) *(Phasiane)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Early reports of this species from BC are erroneous, and probably refer to *D. setonana*, which was not described until 1927 (Pohl et al. 2015b).

muscariata group Ferguson, 2008

910800 *muscariata* (Guenée, [1858]) *(Tephrina)* R -- -- -- -- BC E -- E -- -- -- -- -- -- --
NOTE: Historical records of this species east of BC are erroneous, this is a Garry Oak (*Quercus garryana* Dougl.) feeder that is restricted in Canada to southwestern BC (Ferguson 2008).

a *muscariata* (Guenée, [1858]) *(Tephrina)*

b *respersata* (Hulst, 1880) *(Macaria)* e -- -- -- -- e e -- -- -- -- -- -- -- --
subacuta (Hulst, 1896) *(Diastictis)*

c *teucaria* (Strecker, 1899) *(Macaria)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --

910801 *extenuata* Ferguson, 2008 *(Digrammia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

eremiata group Ferguson, 2008

910802 *ocellinata* (Guenée, [1858]) *(Macaria)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
duplicata (Packard, 1873) *(Macaria)*

910803E *ordinata* (Walker, 1862) *(Fidonia)* E -- -- -- -- E -- -- E E -- -- -- E -- --
NOTE: Records of this species in Canada are erroneous. The BC record by deWaard (2010) and deWaard et al. (2011) is a misidentification that likely refers to *D. sexpunctata* (Pohl et al. 2015b). Brodie (1929) reported the species from Cartwright (MB) but the only known voucher, a specimen in miscellaneous material at the end of the Heath collection in the UMB, is actually *D. equivocata*, described in 2008. The NB record by Troubridge & Lafontaine (2003) is also deemed erroneous.

910804 *sublacteolata* (Hulst, 1887) *(Semiothisa)* R -- -- -- -- -- -- SK MB -- -- -- -- -- -- --
lapitaria (Strecker, 1899) *(Macaria)*

910805 *eremiata* (Guenée, [1858]) *(Psamatodes)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
gradata (Walker, 1861) *(Tephrina)*
retectata (Walker, 1861) *(Tephrina)*
retentata (Walker, 1861) *(Tephrina)*
subcinctaria (Walker, 1863) *(Macaria)*

equivocata group Ferguson, 2008

910806 *equivocata* Ferguson, 2008 *(Digrammia)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

rippertaria group Ferguson, 2008

910807 *rippertaria* (Duponchel, 1830) *(Phasiane)** R AK YT NT -- BC AB SK MB ON QC LB -- -- -- --
demaculata (Barnes & McDunnough, 1917) *(Phasiane)*
hebetata of authors (not Hulst, 1881) *(Phasiane)*
ponderosa (Barnes & McDunnough, 1917) *(Phasiane)*

910808E *hebetata* (Hulst, 1881) *(Phasiane)* E -- E E -- E E E E E E E -- -- -- --
NOTE: Historical Canadian records are based on a previous taxonomic arrangement, and refer to *D. rippertaria*. *Digrammia hebetata* is restricted to southwestern USA, occurring only as far north as CO and UT (Ferguson 2008).

910809 *decorata* (Grossbeck, 1907) *(Sciagraphia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
arubrescens McDunnough, 1939 *(Digrammia)*
sinuata (Warren, 1904) *(Lozogramma)*
suffusata (McDunnough, 1939) *(Semiothisa)*

910814 *mellistrigata* (Grote, 1873) *(Phasiane)* R -- -- -- -- -- AB SK MB ON QC LB -- NB NS --

910816 *subminiata* (Packard, 1873) *(Panagra)* R -- -- -- -- BC AB SK MB ON -- -- -- -- -- --
meadiaria (Packard, 1874) *(Phasiane)*
snoviata (Packard, 1876) *(Phasiane)*

910817 *neptaria* (Guenée, [1858]) *(Tephrina)* R -- YT NT -- BC AB SK MB ON QC LB NF NB NS PE
cinereata (Bates, 1886) *(Phasiane)*
flavofasciata (Packard, 1871) *(Panagra)*
sinuata (Packard, 1874) *(Phasiane)*
trifasciata (Packard, 1874) *(Phasiane)*

910818 *irrorata* (Packard, 1876) *(Phasiane)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
a *irrorata* (Packard, 1876) *(Phasiane)*
b *venosata* (McDunnough, 1939) *(Semiothisa)* r -- -- -- -- bc ab sk -- -- -- -- -- -- -- --
c *rubricata* Ferguson, 2008 *(Digrammia)*

910822 *gnophosaria* (Guenée, [1858]) *(Tephrina)* R -- -- -- -- -- -- -- -- ON QC -- -- U NS --
NOTE: The NB record by Troubridge & Lafontaine (2003), repeated by Webster et al. (2005), is unverified.
caesiaria (Hulst, 1888) *(Semiothisa)*
da (Dyar, 1916) *(Macaria)*
infectaria (Walker, 1862) *(Camptogramma)*
reductaria (Walker, 1863) *(Macaria)*

Rindgea **Ferguson, 2008**

maricopa group Ferguson, 2008

910824E *nigricomma* (Warren, 1904) *(Semiothisa)* E -- -- -- -- -- -- -- E -- E -- -- -- -- --
NOTE: Brodie's (1929) record from MB, as "*Phiasane nigrocomina* Warren", is a misspelling of *nigricomma*, and is erroneous. Ferguson (2008) reports that historical records of this taxon in Canada refer to *Digrammia ocellinata*, but Brodie's MB record probably refers to something else; MB would be a significant range extension for *D. ocellinata* in Canada and is not likely. Historical records of the Palaearctic species *Sciagraphia heliothidata* (Guenée) in NA also refer to this species.
nigrocomina McDunnough, 1938 *(Rindgea)*

Fernaldella **Hulst, 1896**
Narraga Walker, 1862

910837 *fimetaria* (Grote & Robinson, 1870) *(Fidonia)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
angelata Wright, 1923 *(Fernaldella)*
halesaria (Zeller, 1875) *(Fidonia)*
partitaria (Grote, 1883) *(Fidonia)*

tribe Boarmiini Duponchel, 1845

Dasyfidonia Packard, 1876
tax info: McGuffin (1977)

910840 *avuncularia* (Guenée, [1858]) *(Fidonia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Orthofidonia Packard, 1876
tax info: McGuffin (1977)

910842 *tinctaria* (Walker, 1860) *(Cleora)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
910843 *exornata* (Walker, 1862) *(Larentia)* R -- -- -- -- E E E E ON QC -- -- NB NS EP
NOTE: Recent DNA barcode work by BCS indicates that all western Canadian *Orthofidonia* are *O. tinctaria*. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
albifusata (Walker, 1863) *(Cidaria)*
deceptata (Hulst, 1896) *(Diastictis)*
910844 *flavivenata* (Hulst, 1898) *(Sciagraphia)* R -- -- -- -- -- -- E E ON QC -- -- NB NS PE
NOTE: SK and MB records (Hooper 2006b, Troubridge & Lafontaine 2003) are thought to be dark specimens of *O. tinctaria*, with which this species has been confused. Confirmed specimens of *O. flavivenata* have been collected only as far west as Manitoulin Island (ON).

Hesperumia Packard, 1873
tax info: Rindge (1974c), McGuffin (1977)

910845 *sulphuraria* Packard, 1873 *(Hesperumia)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
baltearia (Hulst, 1880) *(Rumia)*
duaria Cassino & Swett, 1922 *(Hesperumia)*
ochreata Packard, 1873 *(Hesperumia)*
unicoloraria (Hulst, 1886) *(Rumia)*
910847 *latipennis* (Hulst, 1896) *(Alcis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Neoalcis McDunnough, 1920
tax info: McGuffin (1977)

910849 *californiaria* (Packard, 1871) *(Boarmia)* R AK -- -- -- BC U -- -- -- -- -- -- -- -- --
NOTE: A record from Taber Provincial Park (AB) collected by E.M. Pike is surprising. It may be an accidentally introduced individual of this species, which is not expected east of BC.
latifasciaria (Packard, 1873) *(Hemerophila)*

Ematurga Lederer, 1853
tax info: McGuffin (1977)

910850 *amitaria* (Guenée, [1858]) *(Fidonia)* R E -- -- -- E AB SK MB ON QC -- -- NB NS PE
NOTE: This species was reported from AK to NS by Powell & Opler (2009). The AK record was deemed erroneous by Ferris et al. (2012). Ward et al.'s (1974) report of the Palaearctic species *E. atomaria* (L.) from ON almost certainly refers to this species; true *E. atomaria* is restricted to the Old World.
faxonii (Minot, 1869) *(Fidonia)*

Hypomecis Hübner, 1821
Pseudoboarmia McDunnough, 1920

910853E *umbrosaria* (Hübner, [1813]) *(Cymatophora)* E -- -- -- -- E E -- E -- -- -- -- -- -- --
NOTE: Canadian records of this species are erroneous; it is restricted to southeastern USA.

Glenoides McDunnough, 1920
tax info: Blanchard (1973)

910858 *texanaria* (Hulst, 1888) *(Tephrosia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This recent Canadian record was collected at Port Franks (ON) by KS, and confirmed by BCS.

Glena **Hulst, 1896**
tax info: Rindge (1965), McGuffin (1977)

910863 *nigricaria* (Barnes & McDunnough, 1913) *(Selidosema)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
rusticaria (Barnes & McDunnough, 1917) *(Cleora)*

910864 *cribrataria* (Guenée, [1858]) *(Tephrosia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB U --
NOTE: A specimen collected in NS in 2017 by F. McEvoy requires confirmation.
fuliginaria (Hulst, 1888) *(Boarmia)*

910865 *cognataria* (Hübner, [1831]) *(Anagoga)* R -- -- -- -- -- -- -- -- -- E -- -- NB NS PE
NOTE: The Beech Grove (QC) record by Handfield et al. (1997) and others is erroneous, based on a databasing error. This species is restricted to the coast of Atlantic Canada.
acidaliaria (Walker, 1863) *(Aspilates)*
crassata (Hulst, 1896) *(Diastictis)*
infixaria (Walker, 1863) *(Aspilates)*
insaria (Dyar, 1909) *(Selidosema)*
muricolor (Hulst, 1896) *(Selidosema)*
umatillaria (Strecker, 1899) *(Anisodes)*

Stenoporpia **McDunnough, 1920**
tax info: Rindge (1968), McGuffin (1977)

910874 *polygrammaria* (Packard, 1876) *(Cymatophora)* R -- -- -- -- -- -- SK MB ON QC -- -- -- -- --
910876E *dissonaria* (Hulst, 1896) *(Alcis)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Report of this species in BC by Jones (1951) is erroneous; it is otherwise not known north of CO and UT (Rindge 1968).
910878 *pulmonaria* (Grote, 1881) *(Cymatophora)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *pulmonaria* (Grote, 1881) *(Cymatophora)*
b *dejecta* (Hulst, 1896) *(Alcis)*
c *lita* Rindge, 1968 *(Stenoporpia)*
d *albescens* (Hulst, 1896) *(Selidosema)* r ak -- -- -- bc -- -- -- -- -- -- -- -- --
e *satisfacta* (Barnes & McDunnough, 1917) *(Cleora)*
r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
f *vicaria* Rindge, 1968 *(Stenoporpia)*

910888 *separataria* (Grote, 1883) *(Cymatophora)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
umbraria McDunnough, 1925 *(Stenoporpia)*

910889 *excelsaria* (Strecker, 1899) *(Boarmia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *excelsaria* (Strecker, 1899) *(Boarmia)*
b *pullata* Rindge, 1968 *(Stenoporpia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

Glaucina **Hulst, 1896**
tax info: Rindge (1959)

910988 *spaldingata* (Cassino & Swett, 1923) *(Coenocharis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
NOTE: Known in Canada from a single specimen collected at Anarchist Mountain (BC) recently by D. Holden, confirmed by BCS.

Aethalura **McDunnough, 1920**
tax info: McGuffin (1977)

910988 *intertexta* (Walker, 1860) *(Boarmia)* R -- -- -- -- BC AB SK MB ON QC U NF NB NS EP
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified; the species is known as far northeast as Lake Mistassini (QC) (Handfield 2011), and it may occur in LB as well. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
a *intertexta* (Walker, 1860) *(Boarmia)* r -- -- -- -- u ab sk mb on qc u nf nb ns p
anticaria (Walker, 1860) *(Tephrosia)*
intextata of authors, [no date] *(Aethalura)*
submuraria (Walker, 1860) *(Tephrosia)*
b *fumata* (Barnes & McDunnough, 1917) *(Aethaloptera)*
r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

Iridopsis Warren, 1894
tax info: Rindge (1966), McGuffin (1977)

910993 *clivinaria* (Guenée, [1858]) *(Boarmia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *clivinaria* (Guenée, [1858]) *(Boarmia)*
b *impia* (Rindge, 1966) *(Anacamptodes)*
c *profanata* (Barnes & McDunnough, 1917) *(Cleora)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

911000 *vellivolata* (Hulst, 1881) *(Macaria)* R -- -- -- -- E P SK MB ON QC -- U NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there. The NF record by Prentice (1963) could not be verified but is plausible, although more recently collected NF material has been corrected to *I. larvaria* via DNA barcoding.

911001 *ephyraria* (Walker, 1860) *(Boarmia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
expressaria (Walker, 1863) *(Tephrina)*
takenaria (Pearsall, 1909) *(Cleora)*

911002 *humaria* (Guenée, [1858]) *(Boarmia)* R -- -- -- -- E AB SK MB ON QC -- -- U NS --
NOTE: Reported from BC by Dyar (1904), as "*I. humaria emasculatum*", under a previous taxonomic arrangement; BC specimens are *I. emasculatum*, which is now recognized as a full species. The Prentice (1963) NB record could not be verified.
a *humaria* (Guenée, [1858]) *(Boarmia)*
illaudata (Walker, 1860) *(Boarmia)*
intractaria (Walker, 1860) *(Boarmia)*
intraria (Guenée, [1858]) *(Boarmia)*
b *pallida* (Rindge, 1966) *(Anacamptodes)*

911007 *larvaria* (Guenée, [1858]) *(Boarmia)* R AK -- -- -- BC AB SK MB ON QC U NF NB NS PE
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified, but is plausible.

911008 *emasculatum* (Dyar, 1904) *(Selidosema)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Historical AB records of this species refer to *I. larvaria*. *Iridopsis emasculatum* is a strictly western species that does not occur in AB (Pohl et al. 2013).

Anavitrinella McDunnough, 1922
tax info: McGuffin (1977)

911009 *pampinaria* (Guenée, [1858]) *(Boarmia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
a *pampinaria* (Guenée, [1858]) *(Boarmia)*
collecta (Walker, 1860) *(Boarmia)*
fraudulentaria (Zeller, 1872) *(Boarmia)*
frugaliaria (Guenée, [1858]) *(Boarmia)*
nubiferaria (Swett, 1913) *(Cleora)*
psilogrammaria (Zeller, 1872) *(Boarmia)*
stygia (Franclemont, 1938) *(Vitrinella)*
b *erosiata* (Walker, [1863]) *(Phibalapteryx)*

911011 *addendaria* (Grossbeck, 1908) *(Alcis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Cleora Curtis, 1825
tax info: Rindge (1972), McGuffin (1977)

911013 *sublunaria* (Guenée, [1858]) *(Boarmia)* R -- -- -- -- -- -- -- E ON QC -- -- -- -- --
NOTE: The Hanham (1901) MB record (as *C. atrolinearia*, a synonym) could not be verified and is deemed erroneous; this species is otherwise unknown northwest of IL and southern ON (Rindge 1972, McGuffin 1977).
areataria Broadwell, 1907 *(Cleora)*
atrolinearia (Hulst, 1888) *(Boarmia)*
transfixaria (Walker, 1860) *(Boarmia)*

911014 *projecta* (Walker, 1860) *(Boarmia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
manitoba (Grossbeck, 1911) *(Selidosema)*

Gnophos Treitschke, 1825
tax info: McGuffin (1977), Smiles (1979)

911015 *macguffini* Smiles, 1978 *(Gnophos)* R AK YT NT NU BC -- -- -- -- -- -- -- -- -- --

Ectropis Hübner, 1825
tax info: McGuffin (1977)

911016 *crepuscularia* ([Denis & Schiffermüller], 1775) *(Geometra)** R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
abraxaria (Walker, 1860) *(Tephrosia)*
cineraria (Walker, 1860) *(Boarmia)*
divisaria (Walker, 1860) *(Boarmia)*
fernaldaria (Hulst, 1888) *(Boarmia)*
fumataria (Minot, 1869) *(Tephrosia)*
intrataria (Walker, 1860) *(Tephrosia)*
occiduaria (Guenée, [1858]) *(Tephrosia)*
signaria (Walker, 1860) *(Boarmia)*
spatiosaria (Walker, 1860) *(Tephrosia)*
virginiaria (Cramer, 1780) *(Phalaena)*

Protoboarmia McDunnough, 1920
tax info: McGuffin (1977)

911017 *porcelaria* (Guenée, [1858]) *(Boarmia)* R -- YT NT -- BC AB SK MB ON QC U NF NB NS PE
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible.
a *porcelaria* (Guenée, [1858]) *(Boarmia)*
filaria (Walker, 1860) *(Boarmia)*
maestosa (Hulst, 1898) *(Alcis)*
b *indicataria* (Walker, 1860) *(Boarmia)* r -- yt nt -- bc ab sk mb on qc u nf nb ns pe

Epimecis Hübner, 1825
tax info: McGuffin (1977)

911018 *hortaria* (Fabricius, 1794) *(Phalaena)*ǂ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
amplaria (Walker, 1860) *(Tephrosia)*
carbonaria Haimbach, 1915 *(Epimecis)*
cineraria (Martyn, 1797) *(Geometra)*
dendraria (Guenée, [1858]) *(Bronchelia)*
disserptaria (Walker, 1860) *(Bronchelia)*
gravilinearia (Andrews, 1878) *(Bronchelia)*
liriodendraria (Smith, 1797) *(Phalaena)*
virginaria Herbst, 1785 *(Epimecis)*

tribe Melanolophiini Forbes, 1948
tax info: Rindge (1990)

Eufidonia Packard, 1876
tax info: McGuffin (1977)

911039 *convergaria* (Walker, 1860) *(Boarmia)* R -- -- -- -- BC AB SK MB ON QC U NF NB NS EP
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
famulata (Hulst, 1887) *(Lozogramma)*
911040 *notataria* (Walker, 1860) *(Tephrosia)* R -- -- -- -- E E SK MB ON QC -- U NB NS EP
NOTE: Historical records of this species were confused with *M. convergaria*; old records from BC and AB refer to that species. The NF record by Prentice (1963) could not be verified. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
bicoloraria (Minot, 1869) *(Fidonia)*
fidoniata (Walker, 1862) *(Larentia)*
911041 *discospilata* (Walker, 1862) *(Fidonia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
quadripunctata (Morrison, 1874) *(Fidonia)*

Melanolophia Hulst, 1896
tax info: McGuffin (1977), Rindge (1964, 1990)

911057 *imitata* (Walker, 1860) *(Boarmia)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *imitata* (Walker, 1860) *(Boarmia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
subgenericata Dyar, 1904 *(Melanolophia)*
subimitata Forbes, 1948 *(Melanolophia)*
b *barbara* McDunnough, 1940 *(Melanolophia)*
c *cana* Rindge, 1964 *(Melanolophia)*

911059 *canadaria* (Guenée, [1858]) *(Tephrosia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS U
NOTE: The PE record by Lafontaine et al. (2001) could not be verified but is plausible.
a *canadaria* (Guenée, [1858]) *(Tephrosia)* r -- -- -- -- -- -- sk mb on qc -- -- nb ns u
b *crama* Rindge, 1964 *(Melanolophia)*
carbonata Cassino & Swett, 1923 *(Melanolophia)*
c *choctawae* Rindge, 1964 *(Melanolophia)*

911060 *signataria* (Walker, 1860) *(Boarmia)* R -- -- -- -- -- P SK MB ON QC -- NF NB NS PE
a *signataria* (Walker, 1860) *(Boarmia)* r -- -- -- -- -- p sk mb on qc -- nf nb ns pe
ejectaria (Walker, 1860) *(Boarmia)*
patularia (Walker, 1861) *(Boarmia)*
b *timucuae* Rindge, 1964 *(Melanolophia)*

tribe Bistonini Stephens, 1850
tax info: Rindge (1975), McGuffin (1977)

Biston Leach, 1815

911062 *betularia* (Linnaeus, 1758) *(Phalaena)** R -- -- NT -- BC AB SK MB ON QC U NF NB NS PE
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible.
b *cognataria* (Guenée, [1858]) *(Amphydasis [sic])* r -- -- nt -- bc ab sk mb on qc u nf nb ns pe
fortitaria (Barnes & McDunnough, 1917) *(Amphidasis)*
mesle (Forbes, 1928) *(Lycia)*
swettaria (Barnes & McDunnough, 1917) *(Amphidasis)*
c *contrasta* (Barnes & Benjamin, 1923) *(Amphidasis)*

Lycia Hübner, 1825

911072 *ursaria* (Walker, 1860) *(Biston)* R AK -- -- -- BC AB SK MB ON QC -- -- NB NS --
911074 *rachelae* (Hulst, 1896) *(Apocheima)* R AK YT -- -- BC AB SK MB ON QC P -- -- -- --

Hypagyrtis Hübner, 1818

911075 *unipunctata* (Haworth, 1809) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *unipunctata* (Haworth, 1809) *(Phalaena)*
deplanaria (Guenée, [1858]) *(Paraphia)*
exsuperata (Walker, 1863) *(Macaria)*
fidoniaria (Walker, 1862) *(Macaria)*
impropriata (Walker, 1861) *(Macaria)*
mamurraria (Guenée, [1858]) *(Paraphia)*
nubecularia (Guenée, [1858]) *(Paraphia)*
pustularia Hübner, 1818 *(Hypagyrtis)*
subatomaria (Wood, 1839) *(Timandra)*
triplicipunctata (Fitch, 1860) *(Amilapis)*
unipunctaria (Packard, 1876) *(Paraphia)*
b *nullaria* (Hübner, 1793) *(Phalaena)*

911077 *piniata* (Packard, 1870) *(Paraphia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
guttata (Hulst, 1901) *(Alcis)*

Phigalia Duponchel, 1829

911079 *titea* (Cramer, 1780) *(Phalaena)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
cinctaria French, 1878 *(Phigalia)*
deplorans Franclemont, 1938 *(Phigalia)*
mephistaria Reiff, 1913 *(Phigalia)*
nevadaria (Hulst, 1896) *(Rhaphidodemas)*
revocata Walker, 1863 *(Phigalia)*
titearia (Hübner, 1825) *(Deileptenia)*

911080 *denticulata* Hulst, 1900 *(Phigalia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This species is known in Canada from a single specimen collected at Point Pelee (ON) by A. Wormington in 1990. A photo of the specimen is on file in the CNC.

911081 *strigataria* (Minot, 1869) *(Anisopteryx)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
olivacearia (Morrison, 1874) *(Hybernia)*

911082 *plumogeraria* (Hulst, 1888) *(Boarmia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
immaculariа (Cassino & Swett, 1922) *(Coniodes)*
plumigeraria (Hulst, 1888) *(Boarmia)*

Paleacrita Riley, 1876

911083 *vernata* (Peck, 1795) *(Phalaena)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS U
NOTE: The PE record by Belton (1988) and others could not be verified.
sericeiferata (Walker, 1863) *(Anisopteryx)*
speciosa Hulst, 1898 *(Paleacrita)*

911084E *merriccata* Dyar, [1903] *(Paleacrita)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The report of this species from Toronto (ON) by McGuffin (1977) and Riotte (1992) is erroneous, based on misfiled specimens of *Semioscopis merriccella* (Depressariidae) in the ROM.

Erannis Hübner, 1825

911086 *tiliaria* (Harris, 1841) *(Hybernia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Historical records of this species in BC refer to *E. vancouverensis*, long considered a subspecies of *E. tiliaria*. However, *E. tiliaria* was long suspected to occur in BC's Peace River region, and was recently confirmed there, in the Fort St. John area (Pohl et al. 2015b).
coloradata Hulst, 1896 *(Erannis)*

911087 *vancouverensis* Hulst, 1896 *(Erannis)* R -- -- -- -- BC E E -- -- -- -- -- -- -- --
NOTE: McGuffin's (1977) report of this species as far east as SK is erroneous, it is restricted in Canada to BC. The report by ESBC (1906) of the Palaearctic *E. defoliaria* (Clerck) in BC refers to this species.
brunneata Cassino & Swett, 1923 *(Erannis)*

tribe Baptini Forbes, 1948

Lomographa Hübner, 1825
tax info: Rindge (1979), McGuffin (1981)
Bapta Stephens, 1829

911088 *semiclarata* (Walker, 1866) *(Corycia)* R -- -- -- -- BC AB SK MB ON QC U NF NB NS PE
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible.
viatica (Harvey, 1874) *(Bapta)*

911089 *vestaliata* (Guenée, [1858]) *(Corycia)* R -- -- -- -- -- AB SK MB ON QC E NF NB NS EP
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified and is doubtful; this is otherwise a more southerly distributed species. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

911090 *glomeraria* (Grote, 1881) *(Deilinia)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS PE
merricki (Cassino & Swett, 1922) *(Bapta)*
virginalis (Cassino & Swett, 1923) *(Bapta)*

tribe Caberini Duponchel, 1845

Sericosema Warren, 1895
tax info: Rindge (1950a), McGuffin (1981)

911093 *juturnaria* (Guenée, [1858]) *(Selidosema)* R AK -- -- -- BC AB -- MB -- -- -- -- -- -- --
californiaria (Packard, 1871) *(Selidosema)*

iturnaria (Gumppenberg, 1892) *(Selidosema)*

911095 *wilsonensis* Cassino & Swett, 1922 *(Sericosema)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

a *wilsonensis* Cassino & Swett, 1922 *(Sericosema)*

b *meadowsaria* Sperry, 1948 *(Sericosema)*

c *macdunnoughi* Rindge, 1950 *(Sericosema)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

Cabera Treitschke, 1825

tax info: Rindge (1956), McGuffin (1981)

Deilinia Hübner, 1825

911097 *exanthemata* (Scopoli, 1763) *(Phalaena)** R AK YT NT -- BC AB SK MB -- -- -- NF -- -- --

b *bryantaria* (Taylor, 1906) *(Deilinia)* r ak yt nt -- bc ab sk mb -- -- -- nf -- -- --

911098 *erythemaria* Guenée, [1858] *(Cabera)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS EP

NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

a *erythemaria* Guenée, [1858] *(Cabera)* r ak -- -- -- bc ab sk mb on qc lb nf nb ns p

incoloraria (Walker, 1863) *(Ellopia)*

pacificaria (Packard, 1876) *(Deilinia)*

b *undularia* (Barnes & McDunnough, 1913) *(Deilinia)*

911099 *variolaria* Guenée, [1858] *(Cabera)* R AK -- NT -- BC AB SK MB ON QC U NF NB NS PE

NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible.

intentaria Walker, 1861 *(Cabera)*

911100 *borealis* (Hulst, 1896) *(Deilinia)* R AK YT NT -- BC AB SK MB ON QC LB -- -- -- --

solamata (Hulst, 1900) *(Deilinia)*

911101 *quadrifasciaria* (Packard, 1873) *(Aspilates)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

elimaria (Hulst, 1887) *(Acidalia)*

Eudrepanulatrix Rindge, 1949

tax info: Rindge (1949), McGuffin (1981)

911102 *rectifascia* (Hulst, 1896) *(Diastictis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

a *rectifascia* (Hulst, 1896) *(Diastictis)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

b *erubescens* (Warren, 1904) (*Lozogramma)*

Drepanulatrix Gumppenberg, 1887

tax info: Rindge (1949), McGuffin (1981)

911103 *unicalcararia* (Guenée, [1858]) *(Tephrina)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

behrensaria (Hulst, 1887) *(Aspilates)*

cervinicolor (Hulst, 1898) *(Deilinia)*

ida (Hulst, 1896) *(Caripeta)*

911105E *bifilata* (Hulst, 1880) *(Lozogramma)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --

NOTE: Report of this species in BC by various early authors (beginning with Anderson 1904), is considered erroneous; this species occurs in the southwestern USA only as far north as northern CA (Rindge 1949).

a *bifilata* (Hulst, 1880) *(Lozogramma)*

perpallidaria (Grote, 1882) *(Thamnonoma)*

911106 *quadraria* (Grote, 1882) *(Thamnonoma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

a *quadraria* (Grote, 1882) *(Thamnonoma)*

b *usta* Rindge, 1949 *(Drepanulatrix)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

911107 *foeminaria* (Guenée, [1858]) *(Selidosema)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

pulveraria (Hulst, 1898) *(Deilinia)*

911110 *carnearia* (Hulst, 1888) *(Tephrosia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

a *carnearia* (Hulst, 1888) *(Tephrosia)*

lutearia Barnes & McDunnough, 1916 *(Drepanulatrix)*

b *columbiaria* McDunnough, 1939 *(Drepanulatrix)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

911111 *falcataria* (Packard, 1873) *(Tephrosia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

electa (Hulst, 1896) *(Aethyctera)*

911112 *secundaria* Barnes & McDunnough, 1916 *(Drepanulatrix)*

R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

911114 *monicaria* (Guenée, [1858]) *(Tephrina)* R E -- -- -- BC -- -- -- -- -- -- -- -- -- --

NOTE: This species was reported from southeastern AK by Rindge (1949) but Ferris et al. (2012) could find no voucher and questioned that record, noting that the host plant (*Ceanothus* spp.) does not occur in the state.

californiaria (Packard, 1870) *(Tephrosia)*
celataria (Hulst, 1888) *(Tephrosia)*
ferruginosaria (Packard, 1870) *(Tephrosia)*
indurata (Dyar, 1908) *(Deilinia)*
mercedulata (Strecker, 1899) *(Lozogramma)*

***Apodrepanulatrix* Rindge, 1949**
tax info: Rindge (1949), McGuffin (1981)

911115 *liberaria* (Walker, 1860) *(Apicia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
helena (Hulst, 1896) *(Diastictis)*
integraria (Walker, 1861) *(Macaria)*
lintneraria (Packard, 1874) *(Aspilates)*
911116 *litaria* (Hulst, 1887) *(Aspilates)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
fumosa (Hulst, 1896) *(Deilinia)*

***Ixala* Hulst, 1896**
tax info: McGuffin (1981)

911117 *desperaria* (Hulst, 1887) *(Aspilates)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *desperaria* (Hulst, 1887) *(Aspilates)*
b *unicoloraria* (Hulst, 1888) *(Aspilates)*

***Erastria* Hübner, 1813**
tax info: Rindge (1950b), McGuffin (1981)

911125 *coloraria* (Fabricius, 1798) *(Phalaena)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --
accessaria (Hübner, 1831) *(Crochiphora)*
dissimilaria Hübner, 1813 *(Erastria)*
olenusaria (Walker, 1863) *(Aspilates)*
911126E *cruentaria* (Hübner, [1799]) *(Geometra)* E -- -- -- -- -- -- -- E E -- -- -- -- -- --
NOTE: Records of this species in Canada by Rindge (1950) and McGuffin (1981) are erroneous, and refer to *E. coloraria*. True *E. cruentaria* is restricted to the southeastern USA.

tribe Angeronini Forbes, 1948

***Aspitates* Treitschke, 1825**
tax info: McGuffin (1981)
Aspilates Treitschke, 1827

911139 *aberrata* (Edwards, 1884) *(Phasiane)* R -- YT -- -- BC AB SK MB -- -- -- -- -- -- --
a *aberrata* (Edwards, 1884) *(Phasiane)*
b *assiniboiarius* (Munroe, 1963) *(Aspilates)*
911140 *forbesi* (Munroe, 1963) *(Aspilates)* R AK YT NT NU -- -- -- MB ON -- -- -- -- -- --
911142 *orciferaria* (Walker, [1863]) *(Napuca)* R AK YT NT NU EP E -- MB ON QC P -- -- -- --
NOTE: Historical records from BC and AB are unvouchered and deemed erroneous, but the species is expected in BC.
a *orciferaria* (Walker, [1863]) *(Napuca)*
b *baffinensis* (Munroe, 1963) *(Aspilates)*
c *churchillensis* (Munroe, 1963) *(Aspilates)*
d *occidentalis* (Munroe, 1963) *(Aspilates)*
911143 *conspersarius* (Staudinger, 1901) *(Aspilates)* R AK YT -- -- -- -- -- -- -- QC LB E -- -- --
NOTE: The NF record by Troubridge & Lafontaine (2003) is erroneous.
911144 *taylori* (Butler, 1893) *(Pseudosiona)* R AK YT NT U P AB SK MB ON QC -- -- -- -- --
NOTE: McGuffin (1981) indicates a location at Baker Lake (NU) but no NU vouchers could be located recently among McGuffin's vouchers in the CNC.
a *taylori* (Butler, 1893) *(Pseudosiona)* r u u nt u p ab sk mb -- qc -- -- -- -- --
taylorae Hodges, 1983 *(Aspitates)*
b *siberica* Djakonov, 1955 *(Aspitates)* u u u -- -- -- -- -- -- -- -- -- -- -- --

***Lytrosis* Hulst, 1896**
tax info: Rindge (1971), McGuffin (1981)

911145 *unitaria* (Herrich-Schäffer, 1854) *(Boarmia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

***Euchlaena* Hübner, 1823**
tax info: McGuffin (1981)

911149 *serrata* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
concisaria (Walker, 1866) *(Ennomos)*

911150 *muzaria* (Walker, 1860) *(Endropia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
NOTE: DNA barcode data suggest that this species is conspecific with *E. obtusaria*, as it was treated prior to Forbes (1948).

911151 *obtusaria* (Hübner, [1813]) *(Geometra)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
decisaria (Walker, 1860) *(Clysia)*
incisaria (Walker, 1866) *(Endropia)*

911153 *effecta* (Walker, 1860) *(Endropia)* R -- -- -- -- E -- SK MB ON QC -- -- NB NS EP
NOTE: The BC records by Blackmore (1927) and Jones (1951) are based on a misidentification (McGuffin 1981). The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
clementina (Gumppenberg, 1895) *(Eutrapela)*
effectaria (Walker, 1863) *(Endropia)*

911154 *johnsonaria* (Fitch, 1869) *(Priocycla)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *johnsonaria* (Fitch, 1869) *(Priocycla)* r -- -- -- -- bc ab sk mb on qc -- -- nb ns pe
bilinearia (Packard, 1870) *(Priocycla)*
b *minoraria* (Hulst, 1886) *(Endropia)*

911155 *mollisaria* (Hulst, 1886) *(Endropia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This is currently considered to be a valid species, but DNA barcode data suggests it is merely a form of *E. johnsonaria*, as it was historically treated. It retained here as a separate species pending further research.
occantaria (Hulst, 1886) *(Endropia)*

911156 *madusaria* (Walker, 1860) *(Endropia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
a *madusaria* (Walker, 1860) *(Endropia)*
oponearia (Walker, 1860) *(Endropia)*
tiviaria (Walker, 1860) *(Endropia)*
vinosaria (Grote & Robinson, 1867) *(Endropia)*
vinulentaria (Grote & Robinson, 1867) *(Endropia)*
b *ochrearia* McDunnough, 1940 *(Euchlaena)*

911158E *amoenaria* (Guenée, [1858]) *(Endropia)* E -- -- -- -- E E -- E -- E -- -- -- -- --
NOTE: Report of this species from western Canada by early workers (as *astylusaria*, now a subspecies) is erroneous, due to a previous taxonomic arrangement. These refer to *E. madusaria*, which at that time (McDunnough 1938) was considered to be a synonym of *E. astylusaria*.
b *astylusaria* (Walker, 1860) *(Endropia)* e -- -- -- -- e e -- e -- e -- -- -- -- --

911159 *marginaria* (Minot, 1869) *(Caberodes)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
albertanensis Swett, 1917 *(Euchlaena)*
marginata of authors, [no date] *(Euchlaena)*

911160E *pectinaria* ([Denis & Schiffermüller], 1775) *(Geometra)** E -- -- -- -- E E E E -- E -- -- -- -- --
NOTE: Early Canadian records by Dod (1906), Winn (1912), Prentice (1963) and others (often as subspecies *sirenaria*) refer to *E. tigrinaria*; true *E. pectinaria* does not occur in Canada.

911162 *tigrinaria* (Guenée, [1858]) *(Endropia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
a *tigrinaria* (Guenée, [1858]) *(Endropia)*
propriaria (Walker, 1860) *(Endropia)*
b *sirenaria* (Strecker, 1899) *(Endropia)*
abnormalis Hulst, 1900 *(Euchlaena)*

911164 *irraria* (Barnes & McDunnough, 1917) *(Caberodes)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

***Xanthotype* Warren, 1894**
tax info: Rindge (1978b), McGuffin (1981)

911165 *urticaria* Swett, 1918 *(Xanthotype)* R -- -- -- -- BC AB SK MB ON QC -- E NB NS PE
NOTE: Reported from NF by Krogerus (1954) and Forbes (1948) but not by Morris (1980) so those records are deemed erroneous.
turbidaria Swett, 1918 *(Xanthotype)*

vagaria Swett, 1918 *(Xanthotype)*
watsoni Swett, 1918 *(Xanthotype)*

911168 *sospeta* (Drury, 1773) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
caelaria (Hulst, 1886) *(Angerona)*
citrinaria (Hübner, 1824) *(Therapis)*
crocataria (Fabricius, 1798) *(Phalaena)*
manitobensis Swett, 1918 *(Xanthotype)*
marylandensis Swett, 1918 *(Xanthotype)*

tribe Azelinini Forbes, 1948

Stenaspilatodes Franclemont & Poole, 1972

tax info: Franclemont & Poole (1972)

911171E *antidiscaria* (Walker, 1860) *(Caberodes)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: Ward et al.'s (1974) record of this species is erroneous; it is restricted to southeastern USA.

Pero Herrich-Schäffer, 1855

tax info: Poole (1987), McGuffin (1987)

group 1 Poole, 1987

911178E *zalissaria* (Walker, 1860) *(Azelina)* E -- -- -- -- -- -- -- -- -- -- -- -- E --
NOTE: Ferguson's (1954) record of this species is erroneous; it is restricted to southern USA.

911179 *ancetaria* (Hübner, 1806) *(Gonodontis)* R -- -- -- -- E E -- U ON QC -- -- U U --
NOTE: Many historical records of this species refer to *P. honestaria* populations, but specimens have been confirmed recently from ON and QC via DNA barcode. Western records are assumed to be erroneous but the species may well occur in NB and NS. Hanham (1901) reported this species from MB as "*Azelina peplaria* Hbn. (*hubnerata* Gn.)", based on a previous taxonomic concept.
barnesi Cassino & Swett, 1922 *(Pero)*
hubneraria (Guenée, [1858]) *(Azelina)*
marmoratus Grossbeck, 1910 *(Pero)*

group 6 Poole, 1987

911182 *honestaria* (Walker, 1860) *(Azelina)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
dyari Cassino & Swett, 1922 *(Pero)*
stygiaria (Walker, 1866) *(Azelina)*

911183 *morrisonaria* (Edwards, 1881) *(Azelina)* R -- -- -- -- BC AB SK MB ON QC U NF NB NS PE
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible.

911184E *giganteus* Grossbeck, 1910 *(Pero)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Historical records of this species in BC refer to *P. mizon*. *Pero giganteus* is restricted to southwestern USA (Rindge 1955).

911185 *mizon* Rindge, 1955 *(Pero)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

911189 *behrensaria* (Packard, 1871) *(Azelina)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: The MB record by Hanham (1901) presumably refers to *P. morrisonaria*.

a *behrensaria* (Packard, 1871) *(Azelina)* r -- -- -- -- bc ab -- e -- -- -- -- -- -- --
behrensata (Packard, 1878) *(Azelina)*
blackmorei Cassino & Swett, 1922 *(Pero)*
modocata (Cassino & Swett, 1922) *(Azelina)*
smithii (Grossbeck, 1906) *(Azelina)*
splendorata Cassino & Swett, 1922 *(Pero)*
vanduzeeata (Wright, 1921) *(Azelina)*
b *daulus* Rindge, 1955 *(Pero)*
c *sperryi* Rindge, 1955 *(Pero)*

911190 *occidentalis* (Hulst, 1896) *(Marmarea)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *occidentalis* (Hulst, 1896) *(Marmarea)*
b *canaster* Rindge, 1955 *(Pero)*
c *helvus* Rindge, 1955 *(Pero)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
colorado Grossbeck, 1910 *(Pero)*
packardi Cassino & Swett, 1922 *(Pero)*
patriciata Cassino & Swett, 1925 *(Pero)*
peplarioides (Hulst, 1898) *(Marmarea)*

tribe Nacophorini Forbes, 1948
tax info: Rindge (1983) (genera)

Phaeoura Hulst, 1896
tax info: Rindge (1961a), McGuffin (1981)

Nacophora Hulst, 1896

911191 *quernaria* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
atrescens (Hulst, 1898) *(Nacophora)*
cupidaria (Grote, 1864) *(Amphidasys)*
paenulataria (Grote, 1863) *(Amphidasys)*
phigaliaria (Guenée, [1858]) *(Synopsia)*
sperataria (Walker, 1860) *(Amphidasys)*

911194 *mexicanaria* (Grote, 1883) *(Eubyja)* R -- -- -- -- BC -- -- -- E -- -- -- -- -- --
NOTE: The sole ON voucher in the ROM appears to be accurately identified, but this is a strictly western species, so that specimen is assumed to be either mislabelled or an accidental introduction.
magnificans Dyar, 1923 *(Phaeoura)*
triaria Barnes & McDunnough, 1917 *(Phaeoura)*

Gabriola Taylor, 1904
tax info: Rindge (1974a), McGuffin (1981)

911209 *dyari* Taylor, 1904 *(Gabriola)* R AK -- -- -- BC P -- -- -- -- -- -- -- -- --
a *dyari* Taylor, 1904 *(Gabriola)* r u -- -- -- bc p -- -- -- -- -- -- -- -- --
b *pruina* Rindge, 1974 *(Gabriola)*
c *bakeri* Rindge, 1974 *(Gabriola)*

Animomyia Dyar, 1908
tax info: Rindge (1974b)

911218 *hardwicki* Rindge, 1974 *(Animomyia)* R -- -- -- -- -- P SK -- -- -- -- -- -- -- --
NOTE: This species is known only from the holotype, collected in the Great Sand Hills of southwestern SK (Rindge 1974b).

tribe Gonodontini Forbes, 1948

Colotois Hübner, 1823

911225 *pennaria* (Linnaeus, 1761) *(Phalaena)*‡ XI -- -- -- -- -- -- -- XI -- -- -- -- -- -- --
NOTE: Taylor (1906) reported a specimen of this Palaearctic species from Tamariske (MB), collected by L. Fanshawe. No voucher is known, but Taylor describes how it was identified and the record appears to be genuine. It is treated herein as an unestablished introduction. Forbes (1948) suggested that this species is "perhaps established in eastern Canada", but no nNA vouchers are known.

tribe Campaeini Forbes, 1948

Campaea Lamarck, 1816
tax info: McGuffin (1981)

911226 *perlata* (Guenée, [1858]) *(Metrocampa)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Use of the Palaearctic name "*Metrocampa margaritata* Linn." (a misspelling of *margaritaria*) by the Natural History Society of Toronto (1883) refers to this species. True *C. margaritaria* is restricted to the Old World.
margaritaria of authors (not Linnaeus, 1761) *(Geometra)*
perlaria (Packard, 1876) *(Metrocampa)*
praegrandaria (Guenée, [1858]) *(Metrocampa)*
viridoperlata (Packard, 1873) *(Metrocampa)*

tribe Ennomini Duponchel, 1845

Ennomos Treitschke, 1825
tax info: McGuffin (1987)

911227 *magnaria* Guenée, [1858] *(Ennomos)* R -- -- NT -- BC AB SK MB ON QC -- U NB NS PE
NOTE: Specimens from NF in the CFS-CB collection are not identified with certainty.

a *magnaria* Guenée, [1858] *(Ennomos)*
lutaria Walker, 1866 *(Ennomos)*
b *ochreatus* Hulst, 1898 *(Ennomos)*

911228 *alniaria* (Linnaeus, 1758) *(Geometra)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

911229 *subsignaria* (Hübner, [1823]) *(Eudalimia)* R -- -- -- -- E AB SK MB ON QC -- NF NB NS EP
NOTE: The BC record by Jones (1951) was deemed erroneous by Pohl et al. (2015b). The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
niveosericeatus Harris, 1855 *(Ennomos)*

tribe Epirranthini Forbes, 1948

Spodolepis Hulst, 1896
tax info: McGuffin (1981)

911230 *substriataria* Hulst, 1896 *(Spodolepis)* R E E -- -- EP AB SK MB ON QC P NF NB NS EP
NOTE: All known records in AK, BC, and YT refer to *S. danbyi*, raised from its previous status as a subspecies of *S. substriataria* by Pohl et al. (2010). However, *S. substriataria* could occur in the boreal forest habitat of the Peace River region in northeastern BC. Powell & Opler (2009) reported this species from AK, but that was corrected to *S. danbyi* by Ferris et al. (2012). The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

911231 *danbyi* (Hulst, 1898) *(Jubarella)* R AK YT -- -- BC AB SK -- -- -- -- -- -- -- --
demorsaria (Strecker, 1899) *(Cleora)*

tribe Sphacelodini Forbes, 1948

Sphacelodes Guenée, 1857

911232 *vulneraria* (Hübner, 1823) *(Brotis)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: This primarily Neotropical species is a rare stray northward, and was found on 3 September 2017 in Norfolk County (ON) by JTT, representing a new record for Canada.
floridensis Holland, 1884 *(Sphacelodes)*
fusilineata (Walker, 1860) *(Brotis)*

tribe Lithinini Forbes, 1948
tax info: Rindge (1986) (genera), McGuffin (1987)

Philedia Hulst, 1896

911234 *punctomacularia* (Hulst, 1888) *(Cleora)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *punctomacularia* (Hulst, 1888) *(Cleora)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
b *connecta* Guedet, 1939 *(Philedia)*

Petrophora Hübner, 1811

911236 *subaequaria* (Walker, 1860) *(Lozogramma)* R -- -- -- -- -- -- U MB ON QC -- U NB NS PE
NOTE: This species was reported from NF by McGuffin (1987) in the text, but not on the range map. No NF or SK vouchers are known.
defluaria (Walker, 1861) *(Lozogramma)*
defluata of authors, [no date] *(Petrophora)*

Tacparia Walker, 1860
tax info: Ferguson (1973), McGuffin (1987)

911237E *zalissaria* Walker, 1860 *(Tacparia)* E -- -- -- -- -- -- -- -- E -- -- -- -- E --
NOTE: The NS record by Perrin & Russell (1912), as "*Apaecasia deductaria*", a synonym, could not be verified and is assumed to be erroneous. The ON record by Ward et al. (1974) is deemed erroneous as well. This species is not known to occur north of the southeastern USA. Those records likely refer to other species of *Tacparia*.
deductaria (Walker, 1860) *(Apicia)*

911238 *atropunctata* (Packard, 1874) *(Lozogramma)* R -- -- -- -- -- -- -- E ON QC -- -- NB NS EP
NOTE: The MB record by Hanham (1901) is deemed erroneous, it probably refers to *T. detersata*. *Tacparia atropunctata* is not known west of central ON (McGuffin 1987). The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
fernaldi (Grote, 1878) *(Drepanodes)*

911239 *detersata* (Guenée, [1858]) *(Tephrina)* R -- -- -- -- -- U SK MB ON QC -- -- NB NS EP
NOTE: Ferguson (1973) reported this species from "NS to AB" without details. No AB vouchers could be located in Canada, but they may exist in the AMNH. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.

Gueneria Packard, 1876

911240 *similaria* (Walker, 1860) *(Acidalia)* R -- -- -- -- -- -- -- E ON QC LB -- NB NS EP
NOTE: This species was reported from MB by Hanham (1901) and Brodie (1929), but that is deemed erroneous as no vouchers could be located, and it is otherwise unknown west of southern ON. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
basiaria (Walker, 1863) *(Ellopia)*
basiata Packard, 1876 *(Gueneria)*
congrua (Walker, 1866) *(Acidalia)*

Homochlodes Hulst, 1896

911241X *fritillaria* complex R -- -- -- -- -- -- U MB ON QC U NF NB NS EP
NOTE: All North American *Homochlodes* were treated as a single species (*H. fritillaria*) by McDunnough (1938) and McGuffin (1987); Hodges et al. (1983) raised them back to separate species status. It is currently not clear if more than one species is involved and the named taxa cannot be readily segregated; this group is therefore treated as a species complex pending revision. All three species have been reported from Canada. No SK or LB vouchers of any *Homochlodes* species are known.
(911241) *lactispargaria* (Walker, 1861) *(Cidaria)* (R) -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
immersata (Walker, 1862) *(Ypsipetes)*
(911242) *fritillaria* (Guenée, [1858]) *(Numeria)* (R) -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
(911243) *disconventa* (Walker, 1860) *(Tephrosia)* (R) -- -- -- -- -- -- -- -- -- -- -- -- -- -- --

Thallophaga Hulst, 1896

911244 *taylorata* (Hulst, 1896) *(Anthelia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
angulata (Warren, 1905) *(Sericosema)*
perfalcata Smith, 1903 *(Thallophaga)*
911245 *hyperborea* (Hulst, 1900) *(Tetracis)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
911246E *nigroseriata* (Packard, 1874) *(Tephrosia)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Historical records of this species from BC are considered erroneous, and probably refer to *T. hyperborea*.
fautaria (Hulst, 1888) *(Tephrosia)*

tribe Anagogini Forbes, 1948
tax info: McGuffin (1987)

Selenia Hübner, 1823

911249 *alciphearia* Walker, 1860 *(Selenia)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS PE
ornata Barnes & McDunnough, 1914 *(Selenia)*
perangulata Hulst, 1896 *(Selenia)*
911250 *kentaria* (Grote & Robinson, 1867) *(Pericallia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
glaucata Barnes & McDunnough, 1917 *(Selenia)*

Metanema Guenée, 1857

911251 *inatomaria* Guenée, [1858] *(Metanema)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
911252 *determinata* Walker, 1866 *(Metanema)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
carnaria (Packard, 1873) *(Caberodes)*

Metarranthis Warren, 1894

911254 *duaria* (Guenée, [1858]) *(Numeria)* R -- -- -- -- BC AB SK MB ON QC U NF NB NS --
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible.
a *duaria* (Guenée, [1858]) *(Numeria)*
adustaria (Walker, 1866) *(Endropia)*
septentrionaria Barnes & McDunnough, 1917 *(Metarranthis)*

b *hamaria* (Guenée, [1858]) *(Numeria)*
agreasaria (Walker, 1860) *(Caberodes)*
panisaria (Walker, 1860) *(Ellopia)*

911255E *angularia* Barnes & McDunnough, 1917 *(Metarranthis)*
E -- -- -- -- -- -- -- -- E E -- -- -- -- --
NOTE: Historical Canadian records of this otherwise southern USA species are considered erroneous.

911256 *amyrisaria* (Walker, 1860) *(Ellopia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
franclemonti Rupert, 1943 *(Metarranthis)*

911257 *indeclinata* (Walker, 1861) *(Macaria)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE

911258 *hypochraria* (Herrich-Schäffer, [1854]) *(Epione)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS --
broweri Rupert, 1943 *(Metarranthis)*
mestusata (Walker, 1860) *(Endropia)*

911259 *refractaria* (Guenée, [1858]) *(Endropia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
foedaria (Walker, 1866) *(Azelina)*

911260 *warneri* (Harvey, 1874) *(Endropia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB U --
NOTE: The NS record by Forbes (1948) could not be verified.

a *warneri* (Harvey, 1874) *(Endropia)* r -- -- -- -- -- -- -- u on qc -- -- nb u --
warnerae Hodges, 1983 *(Metarranthis)*

b *cappsaria* Rupert, 1943 *(Metarranthis)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --

911262 *lateritiaria* (Guenée, [1858]) *(Endropia)* R -- -- -- -- -- -- -- -- -- -- -- NB NS --
NOTE: Canadian records are actually a new species near *M. lateritiaria*, but they are listed under this name pending formal description.

911264 *apiciaria* (Packard, 1876) *(Endropia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

911265 *obfirmaria* (Hübner, [1823]) *(Epirrhantes)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE

Cepphis **Hübner, 1823**

911267 *decoloraria* (Hulst, 1886) *(Endropia)* R -- -- -- -- -- -- -- MB ON QC LB -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
jucundaria (Strecker, 1899) *(Endropia)*

911268 *armataria* (Herrich-Schäffer, [1855]) *(Gnophos)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE

Probole **Herrich-Schäffer, 1855**

911269X *alienaria-amicaria* complex R AK P NT -- BC AB SK MB ON QC U NF NB NS PE
NOTE: All *Probole* species in NA are treated here as a complex, as no reliable characters are known to distinguish the species, and no significant genetic differences have been found. All three species have been reported from Canada. No LB vouchers of any *Probole* species have been located, but the complex likely occurs there.

(911269) *alienaria* Herrich-Schäffer, [1855] *(Probole)* (R) -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
insinuaria (Guenée, [1858]) *(Hyperetis)*
nyssaria (Guenée, [1858]) *(Hyperetis)*
persinuaria (Guenée, [1858]) *(Hyperetis)*
subsinuaria (Guenée, [1858]) *(Hyperetis)*

(911270) *amicaria* (Herrich-Schäffer, [1855]) *(Metrocampa)* (R) -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
aesionaria (Walker, 1860) *(Selenia)*
exsinuaria (Guenée, [1858]) *(Hyperetis)*
laticincta (Walker, 1861) *(Macaria)*
neonaria (Walker, 1860) *(Azelina)*

(911271) *nepiasaria* (Walker, 1860) *(Hyperetis)* (R) -- -- -- -- -- -- -- -- -- -- -- -- -- -- --

Plagodis **Hübner, 1823**
Anagoga Hübner, 1823

911272 *serinaria* Herrich-Schäffer, [1855] *(Plagodis)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS PE
floscularia Grote, 1881 *(Plagodis)*
rosaria (Grote, 1876) *(Eurymene)*
subprivata (Walker, 1863) *(Ellopia)*

911273 *kuetzingi* (Grote, 1876) *(Eurymene)* R -- -- -- -- -- -- -- E ON QC -- -- NB NS PE
NOTE: The MB record by Belton (1988) is deemed erroneous as no vouchers are known and this species is otherwise not known northwest of MI and IA.
nigrescaria Hulst, 1887 *(Plagodis)*

911274 *phlogosaria* (Guenée, [1858]) *(Eurymene)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE
a *phlogosaria* (Guenée, [1858]) *(Eurymene)*
altruaria Pearsall, 1907 *(Plagodis)*
intermediaria Barnes & McDunnough, 1917 *(Plagodis)*
b *bowmanaria* Munroe, 1959 *(Plagodis)*
c *iris* Rupert, 1949 *(Plagodis)*
d *approximaria* Dyar, 1899 *(Plagodis)*
e *keutzingaria* Packard, 1876 *(Plagodis)*
f *purpuraria* Pearsall, 1907 *(Plagodis)*
schuylkillensis Grossbeck, 1908 *(Plagodis)*
g *illinoiaria* Munroe, 1959 *(Plagodis)*

911275 *pulveraria* (Linnaeus, 1758) *(Phalaena)** R U U NT -- BC AB SK MB ON QC -- NF NB NS --
NOTE: Reported from "NS to AK" by Forbes (1948), but no vouchers are known from YT or AK.
b *occiduaria* (Walker, 1861) *(Numeria)* r u u nt -- bc ab sk mb on qc -- nf nb ns --
californiaria (Packard, 1871) *(Ellopia)*
plagifasciata (Walker, 1863) *(Ellopia)*

911276 *fervidaria* (Herrich-Schäffer, [1855]) *(Eurymene)* R -- -- -- -- -- E -- MB ON P -- E -- -- --
NOTE: Historical records of this species from AB (Bowman 1928) and NF (Forbes 1948) are erroneous.
arrogaria (Hulst, 1886) *(Eurymene)*
emargataria (Guenée, [1858]) *(Eurymene)*
excavaria (Morrison, 1873) *(Eurymene)*

911277 *alcoolaria* (Guenée, [1858]) *(Eurymene)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
a *alcoolaria* (Guenée, [1858]) *(Eurymene)*
b *kempii* Hulst, 1900 *(Plagodis)*

tribe Ourapterygini Bruand, 1846
tax info: McGuffin (1987)

Neoterpes Hulst, 1896

911293 *trianguliferata* (Packard, 1871) *(Tetracis)* R -- YT -- -- BC AB SK -- -- -- -- -- -- -- --
a *trianguliferata* (Packard, 1871) *(Tetracis)*
notataria (Hulst, 1886) *(Tetracis)*
b *costimacula* (Warren, 1901) *(Epiplatymetra)*

Caripeta Walker, 1863

911296 *divisata* Walker, [1863] *(Caripeta)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
albopunctata (Morrison, 1874) *(Cidaria)*
nigraria Forbes, 1924 *(Caripeta)*

911297 *piniata* (Packard, 1870) *(Parennomos)* R -- -- -- -- -- -- SK MB ON QC E NF NB NS EP
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified and is doubtful; this species is not known from northeastern QC (Handfield 2011). The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
seductaria Strecker, 1899 *(Caripeta)*

911298 *aequaliaria* Grote, 1883 *(Caripeta)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

911301 *angustiorata* Walker, [1863] *(Caripeta)* R -- -- -- -- BC AB SK MB ON QC U NF NB NS PE
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible.
criminosa Swett, 1906 *(Caripeta)*

Meris Hulst, 1896
tax info: Rindge (1981)

911315 *suffusaria* McDunnough, 1940 *(Meris)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

911318 *patula* Rindge, 1981 *(Meris)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

Besma Capps, 1943

911323 *endropiaria* (Grote & Robinson, 1867) *(Ellopia)* R -- -- -- -- -- E E E ON QC -- -- NB NS PE
NOTE: This species is not known to occur west of ON; historical western records all refer to *B. quercivoraria* (Pohl et al. 2010).
fatuaria (Strecker, 1899) *(Therina)*

911324 *quercivoraria* (Guenée, [1858]) *(Metanema)* R -- -- -- -- BC AB SK MB ON QC U NF NB NS EP
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
aeliaria (Walker, 1860) *(Metanema)*
incongruaria (Hulst, 1887) *(Metanema)*
textrinaria (Grote & Robinson, 1867) *(Endropia)*
trilinearia (Packard, 1876) *(Metanema)*

Lambdina Capps, 1943

911327 *fiscellaria* (Guenée, [1858]) *(Ellopia)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
a *fiscellaria* (Guenée, [1858]) *(Ellopia)*
flagitiaria (Guenée, [1858]) *(Ellopia)*
johnsoni (Swett, 1913) *(Therina)*
peccataria (Swett, 1909) *(Therina)*
turbataria (Barnes & McDunnough, 1917) *(Ellopia)*
b *lugubrosa* (Hulst, 1900) *(Therina)*
c *somniaria* (Hulst, 1886) *(Ellopia)*
911333 *fervidaria* (Hübner, [1831]) *(Therina)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
a *fervidaria* (Hübner, [1831]) *(Therina)*
b *athasaria* (Walker, 1860) *(Ellopia)* r -- -- -- -- -- -- sk mb on qc -- -- nb ns p
aequaliaria (Walker, 1860) *(Ellopia)*
bibularia (Grote & Robinson, 1867) *(Ellopia)*
seminudata (Walker, 1863) *(Ellopia)*
semundaria (Packard, 1867) *(Ellopia)*
siccaria (Walker, 1866) *(Ellopia)*

Cingilia Walker, 1862

911337 *catenaria* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
devinctaria (Guenée, [1858]) *(Zerene)*
humeralis Walker, 1862 *(Cingilia)*
immacularia Swett, 1914 *(Cingilia)*
rubiferaria Swett, 1910 *(Cingilia)*

Nepytia Hulst, 1896

911339 *umbrosaria* (Packard, 1873) *(Cleora)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: The AB record by Ives & Wong (1988) was deemed erroneous by Pohl et al. (2010).
a *umbrosaria* (Packard, 1873) *(Cleora)*
b *nigrovenaria* (Packard, 1876) *(Cleora)* r -- -- -- -- bc e -- -- -- -- -- -- -- -- --
911346 *canosaria* (Walker, [1863]) *(Aspilates)* R -- -- -- -- U AB SK MB ON QC U NF NB NS PE
NOTE: The BC record by Jones (1951) could not be verified, but this species may occur there in the Peace River region. The LB record by Troubridge & Lafontaine (2003) could not be verified but is plausible.
fuscaria Barnes & Benjamin, 1923 *(Nepytia)*
piniaria (Packard, 1870) *(Zerene)*
pulchraria (Minot, 1869) *(Cleora)*
911347 *phantasmaria* (Strecker, 1899) *(Cleora)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
911348E *semiclusaria* (Walker, [1863]) *(Endropia)* E -- -- -- -- E -- -- -- -- E -- -- -- E --
NOTE: Historical reports of this species from Canada are erroneous.
911349 *pellucidaria* (Packard, 1873) *(Cleora)* R -- -- -- -- E -- -- -- ON QC -- -- NB NS --
NOTE: Report of this species from BC by Blackmore (1927), as a subspecies of *N. semiclusaria*, is assumed to be erroneous; it is not otherwise known from western Canada.
911350 *freemani* Munroe, 1963 *(Nepytia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Sicya Guenée, 1857

911351 *crocearia* Packard, 1873 *(Sicya)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: This taxon may not be sufficiently distinct from *S. macularia* to warrant status as a separate species, but it is retained here pending further work.

911352 *macularia* (Harris, 1850) *(Geometra)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *macularia* (Harris, 1850) *(Geometra)* r ak yt nt -- bc ab sk mb on qc lb nf nb ns pe
agyllaria (Walker, 1860) *(Epione)*
calipusaria (Walker, 1860) *(Epione)*
faustinaria Strecker, 1899 *(Sicya)*
solfataria Guenée, [1858] *(Sicya)*
sublimaria Guenée, [1858] *(Sicya)*
truncataria Guenée, [1858] *(Sicya)*
b *cruzensis* Dyar, 1922 *(Sicya)*
c *lewisi* Swett, 1914 *(Sicya)*

***Plataea* Herrich-Schäffer, 1855**
tax info: Rindge (1976)

911367 *trilinearia* (Packard, 1873) *(Gorytodes)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
astrigaria Barnes & McDunnough, 1918 *(Plataea)*
dulciaria (Grote, 1880) *(Gorytodes)*

***Eusarca* Hübner, 1813**

911384 *confusaria* Hübner, [1813] *(Eusarca)* R -- -- -- -- -- -- U MB ON QC -- NF NB NS EP
NOTE: No SK vouchers are known to support historical FIDS records. The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
floridaria (Guenée, [1858]) *(Caberodes)*
imbraria (Guenée, [1858]) *(Caberodes)*
ineffusaria (Guenée, [1858]) *(Caberodes)*
interlinearia (Guenée, [1858]) *(Caberodes)*
majoraria (Guenée, [1858]) *(Caberodes)*
metrocamparia (Guenée, [1858]) *(Caberodes)*
mimaria (Hulst, 1886) *(Caberodes)*
pandaria (Walker, 1860) *(Tetracis)*
phasianaria (Guenée, [1858]) *(Caberodes)*
remissaria (Guenée, [1858]) *(Caberodes)*
subochrearia (Hulst, 1900) *(Caberodes)*
superaria (Guenée, [1858]) *(Caberodes)*

***Tetracis* Guenée, 1857**
tax info: Ferris & Schmidt (2010)
Synaxis Hulst, 1896

911400 *crocallata* Guenée, [1858] *(Tetracis)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
aspilatata Guenée, [1858] *(Tetracis)*
911401 *cachexiata* Guenée, [1858] *(Tetracis)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
lorata Grote, 1864 *(Tetracis)*
911402 *cervinaria* (Packard, 1871) *(Metanema)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
aurantiacaria (Packard, 1873) *(Metanema)*
911405 *pallulata* Hulst, 1887 *(Tetracis)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
911407 *jubararia* Hulst, 1886 *(Tetracis)* R -- -- -- -- BC AB SK U -- -- -- -- -- -- --
NOTE: The MB record by Troubridge & Lafontaine (2003) could not be verified.
a *jubararia* Hulst, 1886 *(Tetracis)*
b *sericeata* (Barnes & McDunnough, 1917) *(Synaxis)*
911410 *formosa* (Hulst, 1896) *(Gonodontis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
911412 *pallidata* Ferris, 2010 *(Tetracis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

***Eugonobapta* Warren, 1894**

911413 *nivosaria* (Guenée, [1858]) *(Acidalia)* R -- -- -- -- -- -- U MB ON QC -- -- NB -- --
NOTE: The SK record by Hooper (2006b) is unverified.

Eutrapela Hübner, 1809

911414 *clemataria* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS PE
transducens (Walker, 1860) *(Choerodes)*
transferens (Walker, 1860) *(Choerodes)*
transfingens (Walker, 1860) *(Choerodes)*

Patalene Herrich-Schäffer, 1854

911423 *olyzonaria* (Walker, 1860) *(Drepanodes)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
a *olyzonaria* (Walker, 1860) *(Drepanodes)*
sesquilinea (Grote, 1870) *(Drepanodes)*
syzgiaria (Hulst, 1886) *(Drepanodes)*
b *puber* (Grote & Robinson, 1867) *(Drepanodes)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
aquosus (Grote & Robinson, 1867) *(Drepanodes)*
hortularia (Hulst, 1886) *(Drepanodes)*
juniperaria (Packard, 1871) *(Drepanodes)*
perizomaria (Hulst, 1886) *(Drepanodes)*
varus (Grote & Robinson, 1867) *(Drepanodes)*

Prochoerodes Grote, 1883

911428 *amplicineraria* (Pearsall, 1906) *(Sabulodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
911431 *forficaria* (Guenée, [1858]) *(Metanema)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *forficaria* (Guenée, [1858]) *(Metanema)*
nubilata (Packard, 1871) *(Choerodes)*
b *catenulata* Grote, 1883 *(Prochoerodes)* e -- -- -- -- e -- -- -- -- -- -- -- -- --
anfracta (Hulst, 1886) *(Eutrapela)*
c *combinata* McDunnough, 1940 *(Prochoerodes)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
911432 *lineola* (Goeze, 1781) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
a *lineola* (Goeze, 1781) *(Phalaena)* r -- -- -- -- bc ab sk mb on qc -- nf nb ns pe
contigens (Walker, 1860) *(Choerodes)*
goniata (Guenée, [1858]) *(Choerodes)*
transfindens (Walker, 1860) *(Choerodes)*
transposita (Walker, 1860) *(Choerodes)*
transversata (Drury, 1770) *(Phalaena)*
b *incurvata* (Guenée, [1858]) *(Choerodes)*
transmutans (Walker, 1860) *(Choerodes)*
transvertens (Walker, 1860) *(Choerodes)*

Antepione Packard, 1876
tax info: Ferris (2010)

911437 *thisoaria* (Guenée, [1858]) *(Heterolocha)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a database error, but the species is expected there.
arcasaria (Walker, 1860) *(Hyperythra)*
azonax (Druce, 1892) *(Tetracis)*
constricta (Warren, 1895) *(Mimogonodes)*
depontanata (Grote, 1864) *(Epione)*
furciferata (Packard, 1876) *(Eutrapela)*
rhomboidaria (Oberthür, 1912) *(Gonopteryx)*
rivulata (Warren, 1897) *(Tetracis)*
sulphurata (Packard, 1873) *(Heterolocha)*

Sabulodes Guenée, 1857
tax info: Rindge (1978a)

911451 *edwardsata* (Hulst, 1886) *(Tetracis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

***Enypia* Hulst, 1896**
tax info: Evans (1960)

911452 *venata* (Grote, 1883) *(Cleora)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
eddyi Barnes & Benjamin, 1929 *(Enypia)*
elaborata Cassino & Swett, 1923 *(Enypia)*
perangulata Hulst, 1896 *(Enypia)*
911453 *griseata* Grossbeck, 1908 *(Enypia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
moillieti Blackmore, 1926 *(Enypia)*
911454 *packardata* Taylor, 1906 *(Enypia)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --

Superfamily NOCTUOIDEA Latreille, 1809

78. Family NOTODONTIDAE Stephens, 1829 (prominents)

by B.C. Schmidt, J.D. Lafontaine, and J.T. Troubridge

Notodontid moths are robust, small to large moths, with wingspans of 25 to 60 mm in North American species. Many adults are strongly hairy and often bear backwards-projecting tufts on the hind margins of the forewings that protrude when the wings are folded. The common name, "prominents", refers to these projections. Some larvae produce defensive secretions when disturbed, and others flaunt warning colours of red or yellow, sometimes raising the front and rear of the body or extruding long tails. Most notodontids feed on the foliage of trees and shrubs. Some larvae are gregarious when young, but become solitary as they mature.

Approximately 3800 notodontid species are known worldwide, and the Neotropical fauna is especially diverse. There are 137 species known in the Nearctic region; 57 of these have been reported in nNA. Despite the prominence of this group, there are no recent taxonomic works on the NA fauna. A world catalogue was published by Schintlmeister (2013).

subfamily Pygaerinae Duponchel, [1845]

***Clostera* Samouelle, 1819**
Ichthyura Hübner, 1819

930003 *albosigma* Fitch, 1856 *(Clostera)* R AK -- NT -- BC AB SK MB ON QC LB NF NB NS PE
specifica (Dyar, 1892) *(Ichthyura)*
930004 *inclusa* (Hübner, [1831]) *(Ichthyura)* R -- -- -- -- -- E P U ON QC -- -- NB U --
NOTE: No verified MB or NS vouchers are known, to support historical records. The AB record by Prentice (1962) was deemed erroneous by Pohl et al. (2010). Hooper (1988a) reported this species as likely to be found in SK.
a *inclusa* (Hübner, [1831]) *(Ichthyura)*
americana Harris, 1841 *(Clostera)*
inversa (Packard, 1864) *(Ichthyura)*
palla (French, 1882) *(Melalopha)*
b *jocosa* (Edwards, 1886) *(Ichthyura)*
930006 *strigosa* (Grote, 1882) *(Ichthyura)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
luculenta (Edwards, 1886) *(Ichthyura)*
930008 *brucei* (Edwards, 1885) *(Ichthyura)* R -- YT -- -- BC AB SK MB ON QC LB -- -- -- --
a *brucei* (Edwards, 1885) *(Ichthyura)*
b *multnoma* (Dyar, 1892) *(Ichthyura)*
alethe (Neumögen & Dyar, 1893) *(Melalopha)*
930009 *apicalis* (Walker, 1855) *(Ichthyura)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE
a *apicalis* (Walker, 1855) *(Ichthyura)*
indentata (Packard, 1864) *(Ichthyura)*
vau Fitch, 1859 *(Clostera)*
b *ornata* (Grote & Robinson, 1868) *(Ichthyura)*
astoriae (Edwards, 1886) *(Ichthyura)*
bifira (Edwards, 1886) *(Ichthyura)*
incarcerata Boisduval, 1869 *(Clostera)*

subfamily Notodontinae Stephens, 1829

tribe Notodontini Stephens, 1829

Hyperaeschra Butler, 1880

930010 *georgica* (Herrich-Schäffer, 1855) *(Notodonta)* R -- -- -- -- -- -- P MB ON QC -- -- NB NS --

Pheosia Hübner, 1819

930012 *rimosa* Packard, 1864 *(Pheosia)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Material west of the Rocky Mountains in BC may be an undescribed species; those populations have been referred to in historical lists as "*P. portlandia* Edwards" (currently a synonym of *P. rimosa*). The Old World name *P. dimidiata* has been used on historical lists in Canada.
californica (Stretch, 1872) *(Notodonta)*
descherei (Neumögen, 1892) *(Notodonta)*
dimidiata of authors not Herrich-Schäffer, 1856 *(Pheosia)*
portlandia Edwards, 1886 *(Pheosia)*

Odontosia (prov. plcmt.) Hübner, 1819

930013 *elegans* (Strecker, 1885) *(Lophopteryx)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE

Notodonta Ochsenheimer, 1810

930015 *scitipennis* Walker, 1862 *(Notodonta)* R -- -- -- -- BC AB SK MB ON QC -- U NB NS PE
NOTE: The NF record by Troubridge & Lafontaine (2003) could not be verified.
a *scitipennis* Walker, 1862 *(Notodonta)*
stragula Grote, 1864 *(Notodonta)*
b *manitou* Neumögen & Dyar, 1893 *(Notodonta)*
c *ochreata* Barnes & McDunnough, 1912 *(Notodonta)*
930016 *pacifica* Behr, 1892 *(Notodonta)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
930017 *torva* (Hübner, 1803) *(Bombyx)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
b *simplaria* Graef, 1881 *(Notodonta)* r ak yt nt -- bc ab sk mb on qc lb nf nb ns pe

Nerice Walker, 1885

930018 *bidentata* Walker, 1855 *(Nerice)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --

tribe Dicranurini Duponchel, [1845]

Gluphisia Boisduval, 1828
tax info: Franclemont (1941)

930019 *septentrionis* Walker, 1855 *(Gluphisia)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS PE
a *septentrionis* Walker, 1855 *(Gluphisia)*
clandestina Walker, 1861 *(Gluphisia)*
opaca Barnes & Benjamin, 1927 *(Gluphisia)*
septentrionalis of authors, [no date] *(Gluphisia)*
trilineata Packard, 1864 *(Gluphisia)*
b *quinquelinea* Dyar, 1892 *(Gluphisia)*
c *ridenda* Edwards, 1886 *(Gluphisia)*
rupta Edwards, 1886 *(Gluphisia)*
d *albofascia* Edwards, 1886 *(Gluphisia)*
formosa Edwards, 1886 *(Gluphisia)*
930021 *avimacula* Hudson, 1891 *(Gluphisia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
slossoniae Dyar, 1893 *(Gluphisia)*
slossonii Dyar, 1893 *(Gluphisia)*

930022 *lintneri* (Grote, 1877) *(Dasychira)* R -- -- -- -- U AB SK MB ON QC -- -- NB NS --
NOTE: The sole known BC record, a BOLD record from Quesnel, collected by C. Guppy, had a short DNA barcode and is not identified with certainty.
pretians Franclemont, 1941 *(Gluphisia)*
930023 *severa* Edwards, 1886 *(Gluphisia)* R AK -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: The MB record by Hanham (1897) is deemed erroneous, it probably refers to *G. lintneri*, which was not reported therein but was listed by later authors. *Gluphisia severa* is not known to occur east of the Rocky Mountains.
danbyi (Neumögen, 1892) *(Melia)*
normalis Dyar, 1904 *(Gluphisia)*

***Furcula* Lamarck, 1816**
Cerura of authors not Schrank, 1802
Dicranura of authors not R. L., 1817

930024 *borealis* (Guérin-Méneville, 1844) *(Dicranoura)* R -- -- -- -- -- E -- -- ON QC -- -- NB -- --
NOTE: Bowman's (1951) AB record is erroneous, this species is unknown west of ON.
930025 *cinerea* (Walker, 1865) *(Cerura)* R AK -- NT -- BC AB SK MB ON QC -- -- NB NS PE
a *cinerea* (Walker, 1865) *(Cerura)*
b *cinereoides* (Dyar, 1890) *(Cerura)*
c *paradoxa* (Dyar, 1892) *(Cerura)*
paradoxa (Behr, 1885) *(Cerura)*
d *placida* (Dyar, 1892) *(Cerura)*
e *wileyi* (Dyar, 1922) *(Cerura)*
930027 *occidentalis* (Lintner, 1878) *(Cerura)* R AK -- -- -- BC AB SK MB ON QC LB -- NB NS --
a *occidentalis* (Lintner, 1878) *(Cerura)* r -- -- -- -- u ab sk mb on qc lb -- nb ns --
b *gigans* (McDunnough, 1922) *(Cerura)* r ak -- -- -- bc ab -- -- -- -- -- -- -- -- --
decorum (Dyar, 1922) *(Cerura)*
930028 *scolopendrina* (Boisduval, 1869) *(Dicranura)* R AK -- -- -- BC AB SK MB ON QC -- -- NB NS --
a *scolopendrina* (Boisduval, 1869) *(Dicranura)*
albicoma (Strecker, 1885) *(Harpyia)*
pluvialis (Dyar, 1922) *(Cerura)*
b *aquilonaris* (Lintner, 1878) *(Cerura)*
930029 *modesta* (Hudson, 1891) *(Cerura)* R -- -- -- -- BC AB SK MB ON QC LB -- NB NS PE

***Tecmessa* Burmeister, 1878**
Cerura of authors not Schrank, 1802

930030 *scitiscripta* (Walker, 1865) *(Cerura)* R -- -- -- -- E AB SK MB ON QC -- -- -- -- --
NOTE: The BC record by Pohl et al. (2015b) was a databasing error.
a *scitiscripta* (Walker, 1865) *(Cerura)*
b *multiscripta* (Riley, 1875) *(Cerura)*
c *canadensis* (McDunnough, 1932) *(Cerura)*

subfamily Phalerinae Butler, 1886

***Datana* Walker, 1855**

930033 *ministra* (Drury, 1773) *(Phalaena)* R -- -- -- -- BC P SK MB ON QC -- E NB NS PE
NOTE: The NF record by Belton (1988) could not be verified and is assumed to be erroneous.
b *californica* Dyar, 1890 *(Datana)* r -- -- -- -- bc p sk mb on qc -- -- nb ns pe
930034 *angusii* Grote & Robinson, 1866 *(Datana)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
930035 *drexelii* Edwards, 1884 *(Datana)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
930036E *major* Grote & Robinson, 1866 *(Datana)* E -- -- -- -- -- -- -- -- E -- -- -- -- E --
NOTE: The ON record by Riotte (1992) is based on an unvouchered record of a larva from St. Williams, in dry Carolinian forest. However, this species is otherwise restricted to bogs, it is very difficult to identify, and it is not known from other parts of the Great Lakes region; all these facts suggest the identification is in error. The NS record by Fergson (1954) is based on a misidentification of *D. drexelii* material.
930037 *contracta* Walker, 1855 *(Datana)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
930038 *integerrima* Grote & Robinson, 1866 *(Datana)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
a *integerrima* Grote & Robinson, 1866 *(Datana)*

b *cochise* Dyar, 1905 *(Datana)*

930039 *perspicua* Grote & Robinson, 1865 *(Datana)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
a *perspicua* Grote & Robinson, 1865 *(Datana)*
discalis Dyar, 1923 *(Datana)*
eileena Dyar, 1923 *(Datana)*
infusa Dyar, 1923 *(Datana)*
perfusa Dyar, 1923 *(Datana)*
b *mesillae* Cockerell, 1897 *(Datana)*
c *opposita* Barnes & Benjamin, 1927 *(Datana)*

Nadata Walker, 1855

930046 *gibbosa* (Smith, 1797) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
doubledayi Packard, 1864 *(Nadata)*
rubripennis Neumögen & Dyar, 1893 *(Nadata)*

930047E *oregonensis* Butler, 1881 *(Nadata)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The BC record by Blackmore (1927) is based on a misidentified *N. gibbosa*. *Nadata oregonensis* is not known from Canada.

Peridea Stephens, 1828

930048 *basitriens* (Walker, 1855) *(Notodonta)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
930049 *angulosa* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
930050 *ferruginea* (Packard, 1864) *(Lophodonta)* R -- -- -- -- -- -- SK MB ON QC LB NF NB NS PE
a *ferruginea* (Packard, 1864) *(Lophodonta)*
b *reducta* (McDunnough, 1932) *(Lophodonta)*

Ellida Grote, 1876

930051 *caniplaga* (Walker, 1856) *(Cymatophora)* R -- -- -- -- -- -- -- U ON QC -- -- NB -- --
NOTE: The MB record by Brodie (1929) could not be verified but is plausible.
gelida Grote, 1876 *(Ellida)*
transversta (Walker, 1865) *(Edema)*

subfamily Heterocampinae Neumögen & Dyar, 1894

Misogada Walker, 1865

930066 *unicolor* (Packard, 1864) *(Lochmaeus)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
cinereus (Packard, 1864) *(Lochmaeus)*
marina (Packard, 1864) *(Lochmaeus)*
sobria Walker, 1865 *(Misogada)*

Macrurocampa Dyar, 1893

930067 *marthesia* (Cramer, 1780) *(Phalaena)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
a *marthesia* (Cramer, 1780) *(Phalaena)*
elongata (Grote & Robinson, 1867) *(Heterocampa)*
nigra (Chermock, 1929) *(Heterocampa)*
tessella (Packard, 1864) *(Lochmaeus)*
turbida (Walker, 1865) *(Cerura)*
b *manitobensis* (McDunnough, 1932) *(Fentonia)*

930068E *dorothea* Dyar, 1896 *(Macrurocampa)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: Hanham's (1897) MB record is deemed erroneous; it probably refers to *M. marthesia*, which was listed by later MB workers. *Macrurocampa dorothea* is not known to occur in Canada.

Heterocampa Doubleday, 1841

930075 *obliqua* Packard, 1864 *(Heterocampa)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
brunnea Grote & Robinson, 1867 *(Heterocampa)*

trouvelotii Packard, 1864 *(Heterocampa)*

930077 *subrotata* Harvey, 1874 *(Heterocampa)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
a *subrotata* Harvey, 1874 *(Heterocampa)*
superba Edwards, 1885 *(Heterocampa)*
b *celtiphaga* Harvey, 1874 *(Heterocampa)*

930082 *umbrata* Walker, 1855 *(Heterocampa)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
a *umbrata* Walker, 1855 *(Heterocampa)*
athereo (Doubleday, 1869) *(Stauropus)*
b *pulverea* Grote & Robinson, 1867 *(Heterocampa)*
nigra Chermock, 1927 *(Heterocampa)*

930086 *guttivitta* (Walker, 1855) *(Cecrita)* R -- -- -- -- -- -- SK MB ON QC LB -- NB NS PE
albiplaga (Walker, 1856) *(Cecrita)*
cinereus (Packard, 1864) *(Lochmaeus)*
doubledayi Scudder, 1869 *(Heterocampa)*
harrisii (Packard, 1864) *(Lochmaeus)*
hugoi Chermock & Chermock, 1940 *(Heterocampa)*
indeterminata (Walker, 1865) *(Drymonia)*
mucorea (Herrich-Schäffer, 1856) *(Drymonia)*

930087 *biundata* Walker, 1855 *(Heterocampa)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS PE
mollis Walker, 1865 *(Heterocampa)*
olivata (Packard, 1864) *(Lochmaeus)*
semiplaga Walker, 1861 *(Heterocampa)*
viridescens (Walker, 1865) *(Stauropus)*

Lochmaeus Doubleday, 1841

930090 *manteo* Doubleday, 1841 *(Lochmaeus)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
cinerascens (Walker, 1855) *(Tadana)*
subalbicans (Grote, 1864) *(Heterocampa)*

930091 *bilineata* (Packard, 1864) *(Cecrita)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
a *bilineata* (Packard, 1864) *(Cecrita)*
associata (Walker, 1865) *(Edema)*
boweri (Chermock & Chermock, 1940) *(Heterocampa)*
turbida (Walker, 1865) *(Heterocampa)*
ulmi (Harris, 1869) *(Notodonta)*
b *exsanguis* (Dyar, 1906) *(Seirodonta)*

Schizura Doubleday, 1841

930098 *ipomaeae* Doubleday, 1841 *(Schizura)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
biguttata (Packard, 1864) *(Coelodasys)*
cinereofrons (Packard, 1864) *(Coelodasys)*
compta (Walker, 1865) *(Heterocampa)*
confusa (Walker, 1865) *(Drymonia)*
corticea (Walker, 1865) *(Heterocampa)*
ducens (Walker, 1865) *(Heterocampa)*
ipomoeae Doubleday, 1841 *(Schizura)*
nigrosignata (Walker, 1865) *(Heterocampa)*
telifer (Grote, 1880) *(Coelodasys)*
ustipennis (Walker, 1865) *(Heterocampa)*

930099 *badia* (Packard, 1864) *(Oedemasia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
significata (Walker, 1865) *(Heterocampa)*

930100 *unicornis* (Smith, 1797) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
a *unicornis* (Smith, 1797) *(Phalaena)*
edmandsii (Packard, 1864) *(Coelodasys)*
humilis (Walker, 1865) *(Edema)*
semirufescens (Walker, 1865) *(Edema)*

b *deserta* Barnes, 1929 *(Schizura)*
c *conspecta* (Edwards, 1874) *(Heterocampa)*

930102 *apicalis* (Grote & Robinson, 1866) *(Coelodasys)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

930103 *concinna* (Smith, 1797) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *concinna* (Smith, 1797) *(Phalaena)*
nitida (Packard, 1864) *(Oedemasia)*
b *salicis* (Edwards, 1876) *(Heterocampa)*
riversii (Behr, 1890) *(Dryocampa)*

930104 *leptinoides* (Grote, 1864) *(Coelodasys)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
mustelina (Packard, 1864) *(Cecrita)*

Oligocentria Herrich-Schäffer, 1856

930105 *semirufescens* (Walker, 1865) *(Hatima)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
eximia (Grote, 1881) *(Oedemasia)*

930107 *pallida* (Strecker, 1899) *(Ianassa)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

930108E *coloradensis* (Edwards, 1885) *(Ianassa)* E -- -- -- -- E -- -- E -- -- -- -- -- -- --
NOTE: Canadian records of this species (from BC by Anderson (1904), and from MB by Heath (1904)) are erroneous; no vouchers are known and the species is otherwise unknown north of CO.

930109E *perangulata* (Edwards, 1882) *(Oedemasia)* E -- -- -- -- E -- E E -- -- -- -- -- -- --
NOTE: Old unvouchered records from BC, SK, and MB are incorrect; this species is not known to occur in Canada.

930110 *lignicolor* (Walker, 1855) *(Ianassa)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
lignigera (Walker, 1865) *(Exaereta)*
virgata (Packard, 1864) *(Xylinodes)*

Hyparpax Hübner, [1825]

930115 *aurora* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
rosea (Walker, 1860) *(Sangata)*
venusta (Walker, 1865) *(Dryocampa)*

subfamily Nystaleinae Forbes, 1948

Symmerista Hübner, 1821
tax info: Franclemont (1946)

930127 *albifrons* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- -- E E ON QC -- -- NB NS PE
NOTE: Historical records of this species from MB and SK refer to *S. canicosta*, described in 1946. More recent MB vouchers for the record by Prentice (1962) have also been redetermined as the latter species.
albicosta Hübner, 1809 *(Symmerista)*

930128 *canicosta* Franclemont, 1946 *(Symmerista)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE

930129 *leucitys* Franclemont, 1946 *(Symmerista)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --

Dasylophia Packard, 1864

930133 *anguina* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- AB SK MB ON QC -- -- -- U --
NOTE: Powell & Opler (2009) reported this species from NS, but that has not been verified.
a *anguina* (Smith, 1797) *(Phalaena)*
cana (Walker, 1869) *(Edema)*
cucullifera (Herrich-Schäffer, 1855) *(Drymonia)*
punctata (Walker, 1865) *(Heterocampa)*
puntagorda Slosson, 1892 *(Dasylophia)*
signata (Walker, 1865) *(Xylina)*
b *saturata* Barnes, 1901 *(Dasylophia)*

930134 *thyatiroides* (Walker, 1862) *(Heterocampa)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
interna Packard, 1864 *(Dasylophia)*
tripartita (Walker, 1865) *(Heterocampa)*

79. Family EREBIDAE Leach, [1815] (tussock moths, tiger moths, underwings and relatives)

by B.C. Schmidt, J.D. Lafontaine, J.T. Troubridge, and G.R. Pohl

Erebids are a diverse group of very small to very large moths (10 to 280 mm wingspan), that have been united in this recently recognised family by a feature of the wing venation. In erebids, forewing vein M2 lies in the lower part of the discal cell, so that the cubital vein appears to have four branches. The group includes the Lymantriinae (tussock moths), Arctiinae (tiger moths) and several other subfamilies that were considered to be primitive noctuids until recently (Zahiri et al. 2011). Most species have forewings coloured in dull grey-and-brown patterns, but many Arctiinae are brightly coloured to warn potential predators of the poisonous chemicals they sequester from their food plants. Most erebid larvae feed on living plants, but a few feed on dead leaves, fungi, lichens, dried fruit, or dung. Most erebid adults feed on nectar or sap; a few (Scoliopteryginae) have mouthparts modified for piercing fruit.

The Erebidae are the most speciose Lepidoptera family in the world, with about 24,570 described species. In the Nearctic region, about 960 species are known; 346 have been recorded from nNA, and three more are expected. The only comprehensive revision of a major erebid group is by Ferguson (1978) for the Lymantriinae, but many species are covered and illustrated in field guides and other popular works. A checklist (and errata) of valid NA species and recent taxonomic changes appears in Lafontaine & Schmidt (2010, 2011, 2013, 2015); a more complete catalogue of the Arctiinae, including all synonyms, was published by Schmidt & Opler (2008). Most Erebidae as currently defined are included in the world catalogue of the Noctuidae by Poole (1989). Crumb (1956) treated the larvae of many species.

subfamily Lymantriinae Hampson, [1893]

tax info: Ferguson (1978)

tribe Lymantriini Hampson, [1893]

Lymantria Hübner, 1819

930141 *dispar* (Linnaeus, 1758) *(Phalaena)*+ R XT -- -- -- M S S S ON QC -- NF NB NS PE
NOTE: This introduced pest is currently resident only in eastern Canada. Temporary populations in BC have been extirpated. It is occasionally intercepted in other parts of Canada, but these are considered strays brought in on vehicles or transported goods.

tribe Orgyiini Wallengren, 1861

Gynaephora Hübner, 1819

930142 *rossii* (Curtis, 1835) *(Laria)** R AK YT NT NU BC AB -- MB -- QC LB -- -- -- --
930143 *groenlandica* (Wocke, 1874) *(Dasychira)* R -- YT NT NU -- -- -- -- -- -- -- -- -- --

Dasychira Hübner, 1819

930145 *dorsipennata* (Barnes & McDunnough, 1919) *(Olene)*
R -- -- -- -- -- U SK MB ON QC -- -- NB NS --
NOTE: Two specimens from Medicine Hat (AB) are of uncertain identity (Pohl et al. 2010).
atomaria Walker, 1856 *(Dasychira)*
930146 *vagans* (Barnes & McDunnough, 1913) *(Olene)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
a *vagans* (Barnes & McDunnough, 1913) *(Olene)* r -- -- -- -- -- -- -- mb on qc -- nf nb ns --
b *grisea* (Barnes & McDunnough, 1913) *(Olene)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
willingi (Barnes & McDunnough, 1913) *(Olene)*
930148 *basiflava* (Packard, 1864) *(Parorgyia)* R -- -- -- -- -- -- -- E ON P -- -- -- -- --
NOTE: The unvouchered MB record by Hanham (1897) as *D. clintoni*, a synonym, is deemed erroneous. This species is known in Canada only from southeastern ON.
clintoni (Grote & Robinson, 1866) *(Parorgyia)*
930150E *meridionalis* (Barnes & McDunnough, 1913) *(Olene)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Winn (1912), as "*Olene achatina* A. & S.", is erroneous (Handfield et al. 1997).
b *memorata* Ferguson, 1978 *(Dasychira)*
achatina (Smith, 1797) *(Phalaena)*

930154 *obliquata* (Grote & Robinson, 1866) *(Parorgyia)* R -- -- -- -- -- E -- -- ON QC -- -- -- -- --
NOTE: Bowman's (1951) AB record (as "*Olene atomaria parallela* Grote & Robinson", a synonym) is erroneous; *D. obliquata* is not otherwise known from west of ON and MN.

lemmeri (Barnes & Benjamin, 1927) *(Olene)*

parallela (Grote & Robinson, 1866) *(Olene)*

930156 *plagiata* (Walker, 1865) *(Edema)* R -- -- U -- U AB SK MB ON QC LB NF NB NS PE
NOTE: Western records of this species are confused with *D. grisefacta*; verified specimens are known as far west as the boreal forests of central AB, but it could occur farther west in the Peace River region of BC.

interposita (Dyar, 1911) *(Olene)*

montana (Beutenmüller, 1903) *(Olene)*

pini (Dyar, 1911) *(Olene)*

930157 *pinicola* (Dyar, 1911) *(Olene)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

930158 *grisefacta* (Dyar, 1911) *(Olene)* R -- -- -- -- BC AB U -- -- E -- -- -- -- --
NOTE: This western species is confused in literature and in collections with *D. plagiata*. Verified specimens are known only as far east as AB but it may occur farther east, in the Cypress Hills of SK (putative specimens in NFRC require verification). The QC record by Handfield (2011) is incorrect.

a *grisefacta* (Dyar, 1911) *(Olene)* r -- -- -- -- u ab u -- -- -- -- -- -- -- --
bonniwelli (Barnes & Benjamin, 1924) *(Olene)*

b *ella* Bryk, 1934 *(Dasychira)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
styx (Barnes & McDunnough, 1911) *(Olene)*

Orgyia Ochsenheimer, 1810

930160 *antiqua* (Linnaeus, 1758) *(Phalaena)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
b *nova* Fitch, 1863 *(Orgyia)* r u -- nt -- u ab sk mb on qc lb nf nb ns pe
c *badia* Edwards, 1874 *(Orgyia)* r u -- -- -- bc -- -- -- -- -- -- -- -- -- --
d *argillacea* Ferguson, 1978 *(Orgyia)* r ak -- -- -- -- -- -- -- -- -- -- -- -- --

930164 *pseudotsugata* (McDunnough, 1921) *(Hemerocampa)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *pseudotsugata* (McDunnough, 1921) *(Hemerocampa)* r -- -- -- -- u ab -- -- -- -- -- -- -- -- --
b *morosa* Ferguson, 1978 (Orgyia) r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
c *benigna* Ferguson, 1978 *(Orgyia)*

930166 *definita* Packard, 1864 *(Orgyia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

930168 *leucostigma* (Smith, 1797) *(Phalaena)* R -- -- -- -- E E E MB ON QC -- NF NB NS PE
NOTE: Records from western Canada are confused with *O. antiqua*; verified material is not known west of MB.

a *leucostigma* (Smith, 1797) *(Phalaena)*
leucographa (Geyer, 1832) *(Cladophora)*
meridionalis Riotte, 1974 *(Orgyia)*

b *intermedia* Fitch, 1856 *(Orgyia)* r -- -- -- -- -- e e mb on qc -- u -- -- --
borealis Fitch, 1856 *(Orgyia)*
obliviosa Edwards, 1886 *(Orgyia)*

c *plagiata* (Walker, 1855) *(Acyphas)* r -- -- -- -- -- -- -- -- -- u -- nf nb ns pe
wardi Riotte, 1971 *(Orgyia)*

d *sablensis* Neil, 1979 *(Orgyia)* r -- -- -- -- -- -- -- -- -- -- -- -- -- ns --

e *oslari* Barnes, 1900 *(Orgyia)*
libera Strecker, 1900 *(Orgyia)*

tribe Leucomini Grote, 1895

Leucoma Hübner, 1822

930170 *salicis* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC AB -- -- ON QC LB NF NB NS PE

tribe Nygmiini Holloway, 1999

Euproctis Hübner, 1819

930171 *chrysorrhoea* (Linnaeus, 1758) *(Phalaena)*+ XT -- -- -- -- E -- -- -- E XT -- -- XT XT --
NOTE: This species was introduced to eastern NA in the late 1800s, and rapidly expanded into NB, NS and QC and then declined. It is thought to be extinct in Canada since the 1940s (Ferguson 1978). Interception records from BC and ON are erroneous, and refer to *E. similis*.

phaeorrhoea (Donovan, 1813) *(Bombyx)*

930172E *similis* (Fuessly, 1775) *(Phalaena)*+ IC -- -- -- -- IC -- -- -- IC -- -- -- -- -- --
NOTE: This introduced species has been intercepted in BC and ON, but has never established wild populations in NA (Ferguson 1978).

subfamily Arctiinae Leach, [1815]

tribe Lithosiini Billberg, 1820

subtribe Acsalina Bendib & Minet, 1999
tax info: Lafontaine et al. (1982)

Acsala Benjamin, 1935

930173 *anomala* Benjamin, 1935 *(Acsala)* R AK YT NT -- -- -- -- -- -- -- -- -- -- -- --

subtribe Cisthenina Bendib & Minet, 1999

Cisthene Walker, 1854
tax info: Knowlton (1967)

930184E *plumbea* Stretch, 1885 *(Cisthene)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Riotte (1992) is erroneous, based on vouchers in the ROM that have been redetermined by BCS as *C. picta*.

930188E *subjecta* Walker, 1854 *(Cisthene)* E -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: This species of the southeastern USA was reported from "Canada" by the Natural History Society of Toronto (1883). That is assumed to be erroneous as no records are known north of MD. The record may refer to *C. picta*, known from southern ON but not described until 1918.

930192 *picta* (Barnes & McDunnough, 1918) *(Illice)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC and ROM, confirmed recently by BCS.

texensis (Draudt, 1918) *(Illice)*

Lycomorpha Harris, 1839

930201 *pholus* (Drury, 1773) *(Phalaena)* R -- -- -- -- E AB SK MB ON QC P -- NB NS --
NOTE: The BC record by Anderson (1904) was omitted from subsequent lists, and is assumed to be erroneous.

a *pholus* (Drury, 1773) *(Phalaena)*
b *miniata* Packard, 1872 *(Lycomorpha)*

Hypoprepia Hübner, 1831

930204 *miniata* (Kirby, 1837) *(Lithosia)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --
a *miniata* (Kirby, 1837) *(Lithosia)*
vittata (Harris, 1841) *(Gnophria)*
b *mississippiensis* Barnes & Benjamin, 1926 *(Hypoprepia)*

930205 *fucosa* Hübner, [1831] *(Hypoprepia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
a *fucosa* Hübner, [1831] *(Hypoprepia)*
b *subornata* Neumögen & Dyar, 1893 *(Hypoprepia)*
dolli Dyar, 1906 *(Hypoprepia)*
inornata Ottolengui, 1895 *(Hypoprepia)*
c *tricolor* (Fitch, 1857) *(Atolmis)*
plumbea Edwards, 1886 *(Hypoprepia)*

Bruceia Neumögen, 1893

930213 *pulverina* Neumögen, 1893 *(Bruceia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Clemensia Packard, 1864

930215 *albata* Packard, 1864 *(Clemensia)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE
a *albata* Packard, 1864 *(Clemensia)*
albida (Walker, 1866) *(Uxia)*

cana (Walker, 1866) *(Repa)*
b *umbrata* Packard, 1872 *(Clemensia)*
irrorata Edwards, 1873 *(Clemensia)*

subtribe Lithosiina Billberg, 1820

Manulea Wallengren, 1863

tax info: Dubatolov (2015)

Eilema Hübner, 1819
Lexis of authors not Wallengren, 1865
Trigrioides Forbes, 1960

subgenus ***Setema*** de Freina & Witt, 1984

930217 *bicolor* (Grote, 1864) *(Lithosia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
argillacea (Packard, 1864) *(Lithosia)*

Crambidia Packard, 1864

930219 *pallida* Packard, 1864 *(Crambidia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
930224E *impura* Barnes & McDunnough, 1913 *(Crambidia)* E -- E -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Historical reports of this species from western Canada are based on misidentified *C. casta*; true *C. impura* is restricted to southwestern USA.
930225 *casta* (Packard, 1869) *(Lithosia)* R -- YT -- -- BC AB SK MB ON QC -- -- NB NS --
candida (Edwards, 1874) *(Lithosia)*
930226 *pura* Barnes & McDunnough, 1913 *(Crambidia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
930227 *cephalica* (Grote & Robinson, 1870) *(Lithosia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

tribe Arctiini Leach, [1815]

subtribe Arctiina Leach, [1815]

Chelis Rambur, 1866

Holoarctia Ferguson, 1984
Hyperborea Grum-Grschmaïlo, 1900
Neoarctia Neumögen & Dyar, 1893
Palearctia Ferguson, 1984

930233 *sordida* (McDunnough, 1921) *(Neoarctia)* R U YT -- -- BC AB -- -- -- -- -- -- -- -- --
NOTE: Reported as uncertain from AK by Ferris et al. (2012).
930234 *puengeleri* (Bang-Haas, 1927) *(Orodemnias)* R AK -- -- -- -- -- -- -- -- -- -- -- -- -- --
b *fridolini* (Torstenius, 1971) *(Orodemnias)* r ak -- -- -- -- -- -- -- -- -- -- -- -- -- --
c *sibirica* (Dubatolov, 2007) *(Holoarctia)* r ak -- -- -- -- -- -- -- -- -- -- -- -- -- --
bicolor (Draudt, 1931) *(Orodemnias)*
immaculata (Draudt, 1931) *(Orodemnias)*
930235 *beanii* (Neumögen, 1891) *(Antarctia)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
fuscosa (Neumögen, 1891) *(Antarctia)*
930236 *brucei* (Edwards, 1888) *(Arctia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
930237 *lafontainei* (Ferguson, 1985) *(Neoarctia)* R -- YT -- -- -- -- -- -- -- -- -- -- -- --
930238 *czekanowskii* (Grum-Grschmaïlo, 1900) *(Hyperborea)* R AK -- -- -- -- -- -- -- -- -- -- -- -- --
czecanousci (Hampson, 1920) *(Hyperborea)*

Apantesis Walker, 1855

Grammia Rambur, 1866
Holarctia Smith, 1938
Notarctia Smith, 1938

930239 *obliterata* (Stretch, 1885) *(Arctia)** R AK YT NT -- BC AB SK MB -- -- -- -- -- -- --
turbans (Christoph, 1892) *(Arctia)*

930240 *arge* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
dione (Fabricius, 1775) *(Bombyx)*
incarnatorubra (Goeze, 1781) *(Noctua)*
nervosa (Neumögen & Dyar, 1893) *(Euprepia)*
strigosa (Stretch, 1906) *(Arctia)*

930241 *doris* (Boisduval, 1869) *(Chelonia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
a *doris* (Boisduval, 1869) *(Chelonia)*
michabo (Grote, 1875) *(Arctia)*
nerea (Boisduval, 1869) *(Chelonia)*
b *minea* (Slosson, 1892) *(Arctia)* r -- -- -- -- bc ab sk mb on qc -- nf nb ns --

930242 *phyllira* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
b-ata (Goeze, 1781) *(Bombyx)*
conspicua (Stretch, 1906) *(Arctia)*
dodgei (Butler, 1881) *(Arctia)*
favoritella Strand, 1919 *(Apantesis)*
oithona (Strecker, 1878) *(Arctia)*
rectilinea (French, 1879) *(Arctia)*

930244 *virgo* (Linnaeus, 1758) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
a *virgo* (Linnaeus, 1758) *(Phalaena)* r -- -- -- -- bc ab sk mb on qc -- nf nb ns pe
citrinaria (Neumögen & Dyar, 1893) *(Euprepia)*
simplex (Stretch, 1906) *(Arctia)*
b *gigas* (Schmidt, 2009) *(Grammia)*

930245 *anna* (Grote, 1864) *(Arctia)* R -- E -- -- -- -- -- -- ON QC -- -- NB -- --
NOTE: The YT record by Forbes (1960) is erroneous, this is an eastern species.
persephone (Grote, 1864) *(Arctia)*

930246 *parthenice* (Kirby, 1837) *(Callimorpha)* R -- -- -- -- BC AB SK MB ON QC -- E NB NS --
NOTE: The NF record by Morris (1980) is based on misidentified specimens.
approximata (Stretch, 1885) *(Arctia)*
circa (Stretch, 1906) *(Arctia)*
intermedia (Stretch, 1873) *(Arctia)*
saundersii (Grote, 1864) *(Arctia)*
stretchii (Grote, 1875) *(Arctia)*

930247 *virguncula* (Kirby, 1837) *(Callimorpha)* R -- E -- -- BC AB SK MB ON QC E NF NB NS PE
NOTE: The YT and LB records by Troubridge & Lafontaine (2003) are based on specimens of *A. speciosa*, with which this species has been confused historically.
otiosa (Neumögen & Dyar, 1893) *(Euprepia)*

930248 *speciosa* (Möschler, 1864) *(Arctia)* R AK YT NT -- BC AB -- MB ON QC LB NF E E --
NOTE: Records from NB and NS are assumed to be erroneous; the species is otherwise restricted to subarctic and high boreal regions.
a *speciosa* (Möschler, 1864) *(Arctia)* r -- -- -- -- u ab -- mb on qc lb nf -- -- --
b *celineata* (Schmidt, 2009) *(Grammia)* r ak yt nt -- bc ab -- -- -- -- -- -- -- -- --

930249 *philipiana* (Ferguson, 1985) *(Grammia)* R AK YT NT -- -- -- -- -- -- -- -- -- -- -- --
phillipiana (Ferguson, 1985) *(Grammia)*

930250 *quenseli* (Paykull, 1793) *(Bombyx)* R AK YT NT NU BC EP -- MB ON QC LB NF -- -- --
NOTE: The AB record by Bowman (1951) was deemed erroneous by Schmidt (2009), but the species is expected there.
daisetsuzana (Matsumura, 1927) *(Orodemnias)*
gelida (Möschler, 1849) *(Euprepia)*
liturata (Ménétriés, 1859) *(Chelonia)*
strigosa (Fabricius, 1793) *(Bombyx)*

930251 *margo* (Schmidt, 2009) *(Grammia)* R -- YT NT -- BC AB SK MB -- -- -- -- -- -- --
NOTE: Historical records of *A. celia* from western Canada refer to this species. *Apantesis celia* is now a synonym of *A. figurata*.
celia of authors (not Saunders, 1863) *(Arctia)*

930252 *franconia* (Edwards, 1888) *(Arctia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

930253 *figurata* (Drury, 1773) *(Phalaena)* R -- E E -- E E E E ON E -- -- -- E --
NOTE: Reports of this species in western Canada, as *A. celia*, a synonym, refer to the recently described *A. margo* (Schmidt 2009). Eastern Canadian records outside of Carolinian habitats are also erroneous, based on misidentified *A. franconia*.
celia (Saunders, 1863) *(Arctia)*
ceramica (Hübner, 1820) *(Euplagia)*
excelsa (Neumögen, 1883) *(Arctia)*
lugubris (Hulst, 1886) *(Arctia)*
preciosa Nixon, 1911 *(Apantesis)*
snowi (Grote, 1875) *(Arctia)*

930255E *incorrupta* (Edwards, 1881) *(Arctia)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The historical AB record by Dod (1904) refers to *A. nevadensis*. *Apantesis incorrupta* does not occur in Canada.

930258 *nevadensis* (Grote & Robinson, 1866) *(Arctia)* R -- E -- -- BC AB SK MB E -- -- -- -- -- --
NOTE: Historical YT records are based on material that has been recently described as *A. yukona*. The uncertain ON record by Riotte (1992), as *A. gibsoni* (now a subspecies), is based on a correctly identified specimen from Guelph (June 1924), but both the date and location are well out of the normal range for this species and the specimen is assumed to be mislabelled.

a *nevadensis* (Grote & Robinson, 1866) *(Arctia)* e -- -- -- -- e -- -- -- -- -- -- -- -- --

b *superba* (Stretch, 1873) *(Arctia)* r -- -- -- -- bc e -- -- -- -- -- -- -- -- --

c *geneura* (Strecker, 1880) *(Arctia)* e -- e -- -- e -- -- e -- -- -- -- -- -- --

d *gibsoni* McDunnough, 1937 *(Apantesis)* e -- -- -- -- -- e e e -- -- -- -- -- -- --

e *vivida* (Schmidt, 2009) *(Grammia)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

930259 *yukona* (Schmidt, 2009) *(Grammia)* R -- YT NT -- -- -- -- -- -- -- -- -- -- -- --

930263E *bolanderi* (Stretch, 1872) *(Arctia)* E -- -- -- -- -- E -- E -- -- -- -- -- -- --
NOTE: Historical records from AB and MB are based on a previous taxonomic concept; true *A. bolanderi* is known only from Mount Shasta (CA) (Schmidt 2009).

930264 *williamsii* (Dodge, 1871) *(Arctia)* R -- -- NT -- BC AB SK MB ON QC -- -- NB -- --

a *williamsii* (Dodge, 1871) *(Arctia)* r -- -- nt -- bc ab sk mb on qc -- -- nb -- --
determinata (Neumögen, 1881) *(Arctia)*
villiamsi Hampson, 1901 *(Apantesis)*

b *tooele* Barnes & McDunnough, 1910 *(Apantesis)* u -- -- -- -- u -- -- -- -- -- -- -- -- --
confluentis Strand, 1919 *(Apantesis)*
ophir Barnes & McDunnough, 1910 *(Apantesis)*

930266 *elongata* (Stretch, 1885) *(Arctia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
dieckii (Neumögen, 1890) *(Arctia)*

930269 *blakei* (Grote, 1865) *(Arctia)* R -- E -- -- E AB SK MB -- -- -- -- -- -- --
NOTE: The BC records by Blackmore (1927), as "*Apantesis blakei superba*" and "*A. blakei elongata*" are based on a previous taxonomic concept. The taxon *superba* is a synonym of *A. nevadensis*, and *A. elongata* is now a valid species; true *A. blakei* does not occur in BC. The YT record by Lafontaine & Wood (1997) refers to *A. yukona*.
blacei Hampson, 1901 *(Apantesis)*

930271 *ornata* (Packard, 1864) *(Callarctia)* R -- -- -- -- BC EP -- -- -- -- -- -- -- -- --
NOTE: Bowman's (1951) report of "*Apantesis ornata obliterata*" from AB refers to *A. obliterata*, now a full species. However, true *A. ornata* is known from adjacent southeastern BC and northern MT; it may occur in the Waterton–Castle headwaters in the extreme southwest of AB.
achaia (Grote & Robinson, 1868) *(Arctia)*
barda (Edwards, 1881) *(Arctia)*
californica Cassino, 1917 *(Apantesis)*
dahurica (Grote & Robinson, 1868) *(Arctia)*
maculosa (Stretch, 1906) *(Arctia)*
ochracea (Stretch, 1872) *(Arctia)*
ochracearivulosa (Stretch, 1906) *(Arctia)*
perpicta (Dyar, 1893) *(Arctia)*
rivulosa (Stretch, 1906) *(Arctia)*
simplicior (Butler, 1881) *(Arctia)*
sulphuricella Strand, 1919 *(Apantesis)*

930273 *complicata* (Walker, 1865) *(Arctia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This species is listed as "Threatened" in Canada by COSEWIC (2016).

930278 *phalerata* (Harris, 1841) *(Arctia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
incarnata (Stretch, 1906) *(Arctia)*
incompleta (Butler, 1881) *(Arctia)*
naidella Strand, 1919 *(Apantesis)*
pulcherrima (Stretch, 1906) *(Arctia)*
rhoda (Butler, 1881) *(Arctia)*
rhodana Strand, 1919 *(Apantesis)*
vittatula Strand, 1919 *(Apantesis)*

930279E *vittata* (Fabricius, 1787) *(Bombyx)* E -- -- -- -- -- -- -- -- -- E -- -- -- E --
NOTE: Historical records of this species from NS (by Ferguson 1954a) and QC (by Winn 1912) are erroneous, based on misidentifications of *A. nais* or *A. phalerata*. *Apantesis vittata* does not occur in Canada.

930280 *nais* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
cuneata (Goeze, 1781) *(Bombyx)*
decorata (Saunders, 1863) *(Arctia)*
ochreata (Butler, 1881) *(Arctia)*
phaleratula Strand, 1919 *(Apantesis)*

***Arctia* Schrank, 1802**

Acerbia Sotavalta, 1963
Pararctia Sotavalta, 1965
Parasemia Hübner, 1820
Platarctia Packard, 1864
Platyprepia Dyar, 1897

930283 *plantaginis* (Linnaeus, 1758) *(Phalaena)* R AK YT NT -- BC AB SK MB ON QC -- -- -- -- --
a *plantaginis* (Linnaeus, 1758) *(Phalaena)*
alascensis (Stretch, 1906) *(Nemeophila)*
alpicola (Scopoli, 1763) *(Phalaena)*
caespitis (Grote & Robinson, 1868) *(Nemeophila)*
cichorii (Grote & Robinson, 1868) *(Nemeophila)*
geddesi (Neumögen, 1883) *(Nemeophila)*
geometrica (Grote, 1865) *(Eupsychoma)*
hospita ([Denis & Schiffermüller], 1775) *(Bombyx)*
japonica (Inoue & Kobayashi, 1956) *(Parasemia)*
jezoensis (Inoue, 1976) *(Parasemia)*
leucomera (Butler, 1881) *(Nemeophila)*
macromera (Butler, 1881) *(Nemeophila)*
matronalis (Freyer, 1843) *(Bombyx)*
melanissima (Inoue, 1976) *(Parasemia)*
melanomera (Butler, 1881) *(Nemeophila)*
modesta (Packard, 1864) *(Platarctia)*
nicticans (Ménétriés, 1859) *(Lithosia)*
scudderii (Packard, 1864) *(Platarctia)*
selwynii (Edwards, 1885) *(Nemeophila)*
sifanica (Grum-Grschmaïlo, 1891) *(Nemeophila)*
stoetzneri (Bang-Haas, 1927) *(Parasemia)*
syfanica (Grum-Grschmaïlo, 1891) *(Nemeophila)*
b *petrosa* (Walker, 1855) *(Nemeophila)*

930284 *alpina* (Quensel, 1802) *(Bombyx)** R AK YT NT -- -- -- -- -- -- -- -- -- -- --
a *alpina* (Quensel, 1802) *(Bombyx)*
sibirica (Bang-Haas, 1927) *(Hyphoraia)*
thulea Dalman, 1823 *(Arctia)*
b *johanseni* (Bang-Haas, 1927) *(Hyphoraia)* r ak yt nt -- -- -- -- -- -- -- -- -- -- --

930285 *lapponica* (Thunberg, 1791) *(Bombyx)** R AK YT NT NU -- AB -- E -- QC LB -- -- -- --
NOTE: Report of this species from MB by Hanham (1897) as "*Platarctia hyperborea* Curt." refers to *A. parthenos*.
b *hyperborea* (Curtis, 1835) *(Euprepia)*
c *gibsoni* (Bang-Haas, 1927) *(Hyphoraia)*
lemniscata Stichel, 1911 *(Arctia)*

930286 *yarrowii* Stretch, 1873 *(Arctia)* R AK YT NT -- BC AB -- -- -- -- -- -- -- -- --
remissa Edwards, 1888 *(Arctia)*

930287 *subnebulosa* (Dyar, 1899) *(Hyphoraia)* R AK YT -- -- -- -- -- -- -- -- -- -- -- --

930288 *parthenos* Harris, 1850 *(Arctia)* R AK YT NT P BC AB SK MB ON QC LB NF NB NS PE
borealis Möschler, 1860 *(Arctia)*
multimaculata (Brower, 1973) *(Hyphoraia)*
obsolescens (Brower, 1973) *(Hyphoraia)*
parvimaculata (Brower, 1973) *(Hyphoraia)*

930289 *virginalis* (Boisduval, 1852) *(Chelonia)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --
guttata (Boisduval, 1852) *(Agarista)*
ochracea (Stretch, 1872) *(Euprepia)*

930290 *caja* (Linnaeus, 1758) *(Phalaena)** R -- -- -- -- BC AB SK MB ON QC E -- NB NS --
NOTE: The LB record by Morris (1980) is presumed to be based on old reports from the 1800s that refer to *A. opulenta*, as no LB vouchers could be located.
a *caja* (Linnaeus, 1758) *(Phalaena)*
wiskotti Staudinger, 1878 *(Arctia)*
b *americana* Harris, 1841 *(Arctia)*

c *utahensis* (Edwards, 1886) *(Euprepia)*
transmontana (Neumögen & Dyar, 1893) *(Hypercompa)*
d *waroi* Barnes & Benjamin, 1927 *(Arctia)*

930291 *opulenta* (Edwards, 1881) *(Euprepia)* R AK YT NT NU BC P -- MB P QC LB -- -- -- --
parva Rothschild, 1910 *(Arctia)*
virginivir Dyar, 1923 *(Arctia)*

930292 *brachyptera* Troubridge & Lafontaine, 1999 *(Arctia)* R -- YT NT -- -- -- -- -- -- -- -- -- -- -- --
NOTE: Dubatolov & Philip (2013) suggest this may be a subspecies of *A. olschwangi*.

930293 *olschwangi* Dubatolov, 1990 *(Arctia)** R AK -- -- -- -- -- -- -- -- -- -- -- -- -- --

Virbia **Walker, 1854**

tax info: Zaspel et al. (2008)
Holomelina Herrich-Schäffer, 1856

930294 *laeta* (Guérin-Méneville, [1832]) *(Lithosia)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS --
rubropicta (Packard, 1887) *(Lithosia)*
treatii (Grote, 1865) *(Crocota)*

930297 *opella* (Grote, 1863) *(Crocota)* R -- -- -- -- -- -- -- E ON QC -- -- -- -- --
NOTE: Brodie's (1929) MB record is erroneous; vouchers in the MMMN have been redetermined as other *Virbia* species. *Virbia opella* is not known to occur west of southern ON in nNA.
belmaria (Ehrmann, 1895) *(Crocota)*
flava (Barnes & Benjamin, 1925) *(Eubaphe)*
obscura (Stretch, 1885) *(Crocata)*
rubricosta (Ehrmann, 1895) *(Crocota)*

930299 *aurantiaca* (Hübner, [1831]) *(Eubaphe)* R -- -- E -- E E E MB ON QC -- -- NB NS --
NOTE: Western records of this species are misidentifications of *V. ferruginosa*, or possibly a new species near *V. aurantiaca*.
bimaculata (Saunders, 1869) *(Arctia)*

930300E *rubicundaria* (Hübner, [1831]) *(Crocota)* E -- -- -- -- -- E -- E -- -- -- -- E E --
NOTE: Historical records of this species in Canada are erroneous; vouchers have been redetermined as other species of *Virbia*.
brevicornis (Walker, 1854) *(Crocota)*

930301E *fragilis* (Strecker, 1878) *(Crocota)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Reports of this species from BC and AB refer to *V. ferruginosa*. *Virbia fragilis* is restricted to western USA, occurring only as far north as WY (BCS, unpublished data).

930302 *lamae* (Freeman, 1941) *(Eubaphe)* R -- -- -- -- E E E E E QC -- -- NB NS PE
NOTE: Report of this species from west of QC are not *V. lamae*; they are of uncertain taxonomic affinity.

930306 *ferruginosa* (Walker, 1854) *(Crocota)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE
buchholzi (Wyatt, 1963) *(Holomelina)*
choriona (Reakirt, 1864) *(Crocota)*
quinaria (Grote, 1863) *(Crocota)*
trimaculosa (Reakirt, 1864) *(Crocota)*

930307 *immaculata* (Reakirt, 1864) *(Crocota)* R -- -- -- -- E E -- E ON QC -- -- E -- --
NOTE: Historical BC, AB, MB, and NB records are erroneous.

subtribe Spilosomina Seitz, 1910

Spilosoma **Curtis, 1825**

930309 *congrua* Walker, 1855 *(Spilosoma)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
antigone Strecker, 1878 *(Spilosoma)*
athena Strecker, 1899 *(Spilosoma)*

930310 *dubia* (Walker, 1855) *(Cycnia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
prima Slosson, 1889 *(Spilosoma)*

930311 *latipennis* Stretch, 1872 *(Spilosoma)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

930312E *vestalis* Packard, 1864 *(Spilosoma)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Riotte (1992) is erroneous, this species is restricted to the western USA.

930313 *vagans* (Boisduval, 1852) *(Arctia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *vagans* (Boisduval, 1852) *(Arctia)*
bicolor (Walker, 1862) *(Rhagonis)*
proba (Edwards, 1881) *(Antarctia)*
punctata (Packard, 1864) *(Antarctia)*

rufula (Boisduval, 1855) *(Nemeophila)*
walsinghami (Butler, 1881) *(Antarctia)*
b *kasloa* (Dyar, 1904) *(Diacrisia)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
930314 *pteridis* Edwards, 1874 *(Spilosoma)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
danbyi (Neumögen & Dyar, 1893) *(Elpis)*
rubra (Neumögen, 1881) *(Antarctia)*
930316 *virginica* (Fabricius, 1798) *(Bombyx)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
fumosa Strecker, 1900 *(Spilosoma)*

Estigmene Hübner, 1820

930317 *acrea* (Drury, 1773) *(Phalaena)* R IC -- NT -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: An AK record was treated by Ferris et al. (2012) as likely an interception.
californica (Packard, 1864) *(Leucarctia)*
caprotina (Drury, 1773) *(Phalaena)*
columbiana Rothschild, 1910 *(Estigmene)*
echo (Rothschild, 1910) *(Diacrisia)*
klagesii (Ehrmann, 1894) *(Leucarctia)*
mexicana (Walker, 1865) *(Spilosoma)*
packardii (Schaupp, 1882) *(Leucarctia)*
pseuderminea (Harris, 1823) *(Arctia)*
rickseckeri (Behr, 1893) *(Leucarctia)*

Hyphantria Harris, 1841

930319 *cunea* (Drury, 1773) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
brunnea Strecker, 1900 *(Hyphantria)*
budea (Hübner, 1823) *(Cycnia)*
candida (Walker, 1865) *(Spilosoma)*
liturata (Goeze, 1781) *(Bombyx)*
mutans (Walker, 1856) *(Spilosoma)*
pallida (Packard, 1864) *(Arctia)*
pictipupa Fitch, 1857 *(Hyphantria)*
punctata Fitch, 1857 *(Hyphantria)*
punctatissima (Smith, 1797) *(Phalaena)*
suffusa Strecker, 1900 *(Hyphantria)*
textor Harris, 1828 *(Hyphantria)*

Hypercompe Hübner, [1819]

930321 *permaculata* (Packard, 1872) *(Leucarctia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
caeca (Strecker, 1884) *(Ecpantheria)*
reducta (Grote, 1877) *(Ecpantheria)*
930323 *scribonia* (Stoll, 1790) *(Phalaena)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
chryseis (Olivier, 1790) *(Bombyx)*
confluens (Oberthür, 1881) *(Ecpantheria)*
denudata (Slosson, 1888) *(Ecpantheria)*

Phragmatobia Stephens, 1828
tax info: Donahue & Newman (1966)

930332 *fuliginosa* (Linnaeus, 1758) *(Phalaena)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
b *rubricosa* (Harris, 1841) *(Arctia)* r ak yt nt -- bc ab sk mb on qc lb nf nb ns pe
dallii Packard, 1870 *(Phragmatobia)*
930333 *lineata* Newman & Donahue, 1966 *(Phragmatobia)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
930334 *assimilans* Walker, 1855 *(Phragmatobia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
franconia Slosson, 1891 *(Phragmatobia)*

Pyrrharctia Packard, 1864

930335 *isabella* (Smith, 1797) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC LB -- NB NS PE
californica Packard, 1864 *(Pyrrharctia)*

Leptarctia Stretch, 1872

930336 *californiae* (Walker, 1855) *(Nemeophila)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --
adnata (Boisduval, 1869) *(Lithosia)*
albifascia French, 1889 *(Leptarctia)*
boisduvalii Butler, 1881 *(Leptarctia)*
californica (Boisduval, 1869) *([unknown])*
decia (Boisduval, 1869) *(Lithosia)*
dimidiata Stretch, 1872 *(Leptarctia)*
fulvofasciata Butler, 1881 *(Leptarctia)*
latifasciata Butler, 1881 *(Leptarctia)*
lena (Boisduval, 1869) *(Lithosia)*
melanis (Boisduval, 1869) *([unknown])*
occidentalis French, 1889 *(Leptarctia)*
stretchii Butler, 1881 *(Leptarctia)*
wrightii French, 1889 *(Leptarctia)*

subtribe Callimorphina Walker, [1865]

Dodia Dyar, 1901
tax info: Schmidt & Macaulay (2009)

930337 *albertae* Dyar, 1901 *(Dodia)** R AK YT NT U BC AB E E -- QC LB -- -- -- --
NOTE: Historical records from SK and MB refer to *D. tarandus*, described in 2009. The NU record by Tshistjakov & Lafontaine (1984) could not be verified.
atra (Bang-Haas, 1912) *(Hypocrita)*
eudiopta Tshistjakov, 1988 *(Dodia)*
kozhantshikovi (Sheljuzhko, 1918) *(Hyperborea)*
930338 *tarandus* Macaulay & Schmidt, 2009 *(Dodia)* R -- YT -- -- -- AB SK MB -- -- -- -- -- -- --
930339 *kononenkoi* Tshistjakov & Lafontaine, 1984 *(Dodia)** R -- YT -- -- -- -- -- -- -- -- -- -- -- --
930340 *verticalis* Lafontaine & Troubridge, 2000 *(Dodia)* R -- YT -- -- -- -- -- -- -- -- -- -- -- --

Haploa Hübner, 1820

930341 *clymene* (Brown, 1776) *(Phalaena)* R -- -- -- -- -- -- -- E ON QC -- -- NB NS --
NOTE: The Hanham (1897) record of this species in MB is deemed erroneous; no vouchers are known, and it is not known to occur anywhere near MB. The species has recently been recorded at several locations in NS (JK, unpublished data).
comma (Walker, 1855) *(Hypercompa)*
interruptomarginata (Beauvois, 1821) *(Bombyx)*
930342E *colona* (Hübner, [1803]) *(Bombyx)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: Material reported from ON by Riotte (1992) has been redetermined as other *Haploa* species.
fulvicosta (Clemens, 1860) *(Hypercompa)*
930343 *reversa* (Stretch, 1885) *(Callimorpha)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
suffusa (Smith, 1888) *(Callimorpha)*
930344 *contigua* (Walker, 1855) *(Hypercompa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
lumbonigera Dyar, 1902 *(Haploa)*
930345 *lecontei* (Guérin-Méneville, 1832) *(Callimorpha)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
albanchlora (Grote, 1888) *(Callimorpha)*
confinis (Walker, 1855) *(Hypercompa)*
dyarii Merrick, 1903 *(Haploa)*
harrisii Dyar, 1902 *(Haploa)*
leucomelas (Herrich-Schäffer, 1855) *(Callimorpha)*
militaris (Harris, 1841) *(Callimorpha)*
ochroleuca Strand, 1919 *(Haploa)*

smithii Dyar, 1902 *(Haploa)*
suffusca Franclemont, 1938 *(Haploa)*
vestalis (Packard, 1864) *(Callimorpha)*

930346 *confusa* (Lyman, 1887) *(Callimorpha)* R -- -- -- -- -- P SK MB ON QC -- -- NB U PE
NOTE: Material from NS is not determined with certainty.
lymani Dyar, 1902 *(Haploa)*
triangularis Smith, 1899 *(Haploa)*

Tyria Hübner, 1819

930347 *jacobaeae* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- -- -- XI QC -- NF NB NS PE
NOTE: This species was released in Canada in NS (1964), BC (1965), NB (1970), and ON (1970) for biocontrol of Tansy Ragwort (*Senecio jacobaea*) (Kelleher & Hulme 1984). It did not become established in ON, but established at the other release sites, and it has spread to additional provinces in Canada.
jacobeae of authors, [no date] *(Tyria)*
senecionis (Godart, 1823) *(Callimorpha)*
senecionis (Latreille, 1809) *([unknown])*

Utetheisa Hübner, 1819

930348 *ornatrix* (Linnaeus, 1758) *(Phalaena)* S -- -- -- -- -- -- -- S S S -- -- -- S --
bella (Linnaeus, 1758) *(Phalaena)*
butleri Dyar, 1914 *(Utetheisa)*
daphoena Dyar, 1914 *(Utetheisa)*
grossbecki Strand, 1919 *(Utetheisa)*
hybrida (Butler, 1877) *(Deiopeia)*
intermedia (Butler, 1877) *(Deiopeia)*
nova Smith, 1910 *(Utetheisa)*
pura (Butler, 1877) *(Deiopeia)*
speciosa (Walker, 1854) *(Deiopeia)*
stretchii (Butler, 1877) *(Deiopeia)*
terminalis Neumögen & Dyar, 1893 *(Utetheisa)*
venusta (Dalman, 1823) *(Euprepia)*

930348.1E *pulchelloides* Hampson, 1907 *(Utetheisa)* E -- -- -- -- -- -- -- -- -- -- -- E -- -- --
NOTE: A record by Forbes (1960) (as *U. idae*) from Swain's Island, NF, is erroneous, based on a different Swain's Island in the Indian Ocean. This species does not occur in NA.
idae Clarke, 1940 *(Utetheisa)*

subtribe Pericopina Walker, [1865]

Gnophaela Walker, 1854

930353E *latipennis* (Boisduval, 1852) *(Glaucopis)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Historical records from BC and AB refer to *G. vermiculata*, based on a previous taxonomic arrangement; *G. vermiculata* was once considered a subspecies of *G. latipennis*.

930356 *vermiculata* (Grote, 1864) *(Omoiala)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
continua Edwards, 1881 *(Gnophaela)*

subtribe Phaegopterina Kirby, 1892

Halysidota Hübner, 1819

930360 *tessellaris* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS PE
antiphola (Walsh, 1864) *(Halesidota)*
antipholella (Strand, 1919) *(Halisidota)*
oslari (Rothschild, 1909) *(Halisidota)*
tesselaroides (Strand, 1919) *(Halesidota)*
tessellata Guérin-Méneville, 1832 *(Halysidota)*

930361 *harrisii* (Walsh, 1864) *(Halisidota)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
tessellaris Harris, 1841 *(Halysidota)*

Lophocampa Harris, 1841

930365 *roseata* (Walker, 1866) *(Halisidota)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *roseata* (Walker, 1866) *(Halisidota)*
cinnamomea (Boisduval, 1869) *(Phoegoptera)*
sanguivenosa (Neumögen, 1892) *(Halesidota)*
b *occidentalis* (French, 1890) *(Halisidota)*

930368 *argentata* (Packard, 1864) *(Halesidota)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *argentata* (Packard, 1864) *(Halesidota)*
b *subalpina* (French, 1890) *(Halisidota)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

930370 *caryae* Harris, 1841 *(Lophocampa)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
annulifascia (Walker, 1855) *(Halesidota)*
porphyrea (Herrich-Schäffer, 1855) *(Phegoptera)*

930373 *maculata* Harris, 1841 *(Lophocampa)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
a *maculata* Harris, 1841 *(Lophocampa)*
fulvoflava (Walker, 1855) *(Halesidota)*
guttifera (Herrich-Schäffer, 1855) *(Phegoptera)*
b *agassizii* (Packard, 1864) *(Halesidota)*
alni (Edwards, 1877) *(Halesidota)*
angulifera (Walker, 1866) *(Halesidota)*
californica (Walker, 1865) *(Halesidota)*
eureka (Dyar, 1904) *(Halisidota)*
salicis (Boisduval, 1869) *(Phoegoptera)*
c *texana* (Rothschild, 1909) *(Halisidota)*

Cycnia Hübner, 1818

930402 *collaris* (Fitch, 1857) *(Hyphantria)* R -- -- -- -- -- -- -- E ON -- -- -- -- -- --
NOTE: The only verified Canadian record of this species was collected at Pelee Island (ON) in 2016 by JJD. Hanham's (1897) MB record is deemed erroneous; it almost certainly refers to *C. tenera*, not reported by Hanham but well known from MB since then.

930404 *tenera* Hübner, 1818 *(Cycnia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
antica (Walker, 1856) *(Tanada)*
sciurus (Boisduval, 1869) *(Arctia)*
yosemite (Edwards, 1884) *(Euchaetes)*

930405 *oregonensis* (Stretch, [1874]) *(Euchaetes)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
a *oregonensis* (Stretch, [1874]) *(Euchaetes)* r -- -- -- -- bc ab sk mb on qc -- -- nb ns --
b *tristis* Crabo, 2013 *(Cycnia)* p -- -- -- -- p -- -- -- -- -- -- -- -- --

Euchaetes Harris, 1841

930412 *egle* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
cyclica Edwards, 1884 *(Euchaetes)*

Pygarctia Grote, 1871

930429 *spraguei* (Grote, 1875) *(Euchaetes)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
conspicua (Neumögen, 1890) *(Euchaetes)*

subtribe Ctenuchina Kirby, 1837

Ctenucha Kirby, 1837

930435 *virginica* (Esper, 1794) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
latreilliana Kirby, 1837 *(Ctenucha)*

Cisseps Franclemont, 1936

930440 *fulvicollis* (Hübner, [1818]) *(Glaucopis)* R -- -- NT NU BC AB SK MB ON QC -- NF NB NS PE
cocklei (Dyar, 1904) *(Scepsis)*

gravis (Edwards, 1886) *(Scepsis)*
matthewi (Edwards, 1873) *(Scepsis)*
packardii (Grote, 1865) *(Scepsis)*
pallens (Edwards, 1886) *(Scepsis)*
semidiaphana (Harris, 1839) *(Glaucopis)*
wrightii (Stretch, 1885) *(Scepsis)*

subtribe Euchromiina Butler, 1876

Antichloris Hübner, 1818

930449.5E *viridis* Druce, 1884 *(Antichloris)* IC -- -- -- -- IC IC -- -- IC -- -- -- -- -- --
NOTE: This species is occasionally intercepted in shipments of bananas from Central America, and several specimens are in Canadian collections. It is excluded from the naturally-occurring nNA fauna.

subfamily Herminiinae Leach, [1815]

Idia Hübner, 1813
Epizeuxis Hübner, 1818

930469 *americalis* (Guenée, 1854) *(Helia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
pulverosa (Smith, 1893) *([unknown])*
scriptipennis (Walker, 1858) *(Microphysa)*
930470 *majoralis* (Smith, 1895) *(Epizeuxis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
930471 *aemula* Hübner, 1814 *(Idia)* R -- YT NT -- BC AB SK MB ON QC LB NF NB NS PE
aemulalis (Hübner, 1821) *(Epizeuxis)*
concisa (Walker, 1860) *(Herminia)*
herminoides (Walker, 1860) *(Homoptera)*
mollifera (Walker, 1858) *(Microphysa)*
undulalis (Stephens, 1834) *(Camptylochila)*
930472 *concisa of authors* not Walker, 1860 *(Idia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
NOTE: This unnamed species has been widely recognized though not yet formally described.
930473 *suffusalis* (Smith, 1899) *(Epizeuxis)* U -- -- -- -- U -- -- -- -- -- -- -- -- -- --
NOTE: This species was reported from BC by Crabo et al. (2013), but those records (and its occurrence in Canada) has not been verified.
930474 *rotundalis* (Walker, 1866) *(Hormisa)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
borealis (Smith, 1884) *(Helia)*
930475 *forbesii* (French, 1894) *(Pseudaglossa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
merricki (Smith, 1905) *(Epizeuxis)*
930476 *julia* (Barnes & McDunnough, 1918) *(Camptylochila)* R -- -- -- -- -- -- P MB ON QC -- -- NB NS --
930477 *diminuendis* (Barnes & McDunnough, 1918) *(Camptylochila)*
R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
930478 *scobialis* (Grote, 1880) *(Pseudaglossa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
930479 *laurentii* (Smith, 1893) *(Epizeuxis)* R -- -- -- -- -- -- -- -- ON P -- -- -- NS --
laurenti Franclemont & Todd, 1983 *(Idia)*
930481 *denticulalis* (Harvey, 1875) *(Pseudaglossa)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
930482 *lubricalis* (Geyer, 1832) *(Epizeuxis)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
NOTE: This taxon probably represents a complex of species.
a *lubricalis* (Geyer, 1832) *(Epizeuxis)*
bistrigalis (Stephens, 1834) *(Camptylochila)*
phaealis (Guenée, 1854) *(Helia)*
surrectalis (Walker, 1859) *(Bleptina)*
b *cobeta* (Smith, 1910) *(Epizeuxis)*
intensalis (Smith, 1908) *(Epizeuxis)*
intensinalis Lafontaine & Schmidt, 2010 *(Idia)*
930483 *occidentalis* (Smith, 1884) *(Helia)* R -- -- -- -- BC AB E E -- -- -- -- -- E --
NOTE: Reports of this species from east of AB refer to *I. lubricalis*.
partitalis (Smith, 1908) *(Epizeuxis)*
930484E *parvulalis* (Barnes & McDunnough, 1911) *(Epizeuxis)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: Reports of this species from QC by Handfield (1999, 2011) are erroneous; it is restricted to southwestern USA.
930486 *immaculalis* (Hulst, 1886) *(Botis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

Phalaenophana Grote, 1873

930487 *pyramusalis* (Walker, 1859) *(Herminia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
gyasalis (Walker, 1859) *(Herminia)*
rurigena Grote, 1873 *(Phalaenophana)*

Zanclognatha Lederer, 1857

930489 *lituralis* (Hübner, 1818) *(Epizeuxis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
930490 *theralis* (Walker, 1859) *(Herminia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
deceptricalis Zeller, 1873 *(Zanclognatha)*
gypsalis (Grote, 1880) *(Megachyta)*
inconspicualis (Grote, 1883) *(Megachyta)*
930491E *minoralis* Smith, 1895 *(Zanclognatha)* E -- -- -- -- -- -- -- E -- -- -- -- E E --
NOTE: Historical Canadian records by Prentice (1962) are erroneous and refer to other *Zanclognatha* species.
930492 *laevigata* (Grote, 1872) *(Herminia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
modestalis Dyar, 1903 *(Zanclognatha)*
obsoleta Smith, 1884 *(Zanclognatha)*
reversata Dyar, 1903 *(Zanclognatha)*
930494 *obscuripennis* (Grote, 1872) *(Herminia)* R -- -- -- -- -- -- -- E ON QC -- -- E -- --
NOTE: Historical records from MB and NB are erroneous, based on misidentifications of other *Zanclognatha* species.
930495 *pedipilalis* (Guenée, 1854) *(Herminia)* R -- -- -- -- -- AB P -- ON QC -- -- NB NS PE
930496 *protumnusalis* (Walker, 1859) *(Herminia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
minimalis Grote, 1878 *(Zanclognatha)*
930496.1 *dentata* Wagner & McCabe, 2011 *(Zanclognatha)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
930497 *martha* Barnes, 1928 *(Zanclognatha)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
NOTE: A QC specimen was reported by The Lepidopterists' Society (2014); it has been verified by BCS and deposited in the CNC.
930498 *cruralis* (Guenée, 1854) *(Herminia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
930499 *marcidilinea* (Grote, 1872) *(Herminia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- E --
NOTE: The NS record by Perrin & Russell (1912) was not listed by Ferguson (1954a) and is assumed to be erroneous. It likely was redetermined as *Z. cruralis*.
jacchusalis of authors (not Walker, 1859) *(Herminia)*
930500 *jacchusalis* (Walker, 1859) *(Herminia)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE
a *jacchusalis* (Walker, 1859) *(Herminia)*
ochreipennis (Grote, 1872) *(Herminia)*
b *lutalba* (Smith, 1906) *(Bomolocha)*
c *bryanti* Barnes, 1928 *(Zanclognatha)*

Chytolita Grote, 1873

930502 *morbidalis* (Guenée, 1854) *(Herminia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
fulicalis Smith, 1907 *(Chytolita)*
petrealis Grote, 1880 *(Chytolita)*
punctiformis (Smith, 1895) *(Zanclognatha)*

Macrochilo Hübner, 1825
tax info: Ferguson (1982b)
Hormisa Walker, 1859

930505 *louisiana* (Forbes, 1922) *(Xylormisa)* R -- -- -- -- -- AB SK P ON QC -- -- NB NS --
930506 *bivittata* (Grote, 1877) *(Pallachira)* R -- -- -- -- -- AB SK MB ON QC -- -- NB -- --
930508 *absorptalis* (Walker, 1859) *(Hormisa)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS PE
nubilifascia (Grote, 1873) *(Litognatha)*
930509 *hypocritalis* Ferguson, 1982 *(Macrochilo)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
930510 *litophora* (Grote, 1873) *(Litognatha)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
930511 *orciferalis* (Walker, 1859) *(Hormisa)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
harti Franclemont & Todd, 1983 *(Macrochilo)*
hartii (French, 1894) *(Pallachira)*
pupillaris (Grote, 1873) *(Sisyrhypena)*

Phalaenostola Grote, 1873

930512 *metonalis* (Walker, 1859) *(Herminia)* R P YT NT -- BC AB SK MB ON QC -- NF NB NS PE
effusalis (Walker, 1860) *(Hormisa)*
gaosalis (Walker, 1859) *(Epizeuxis)*
inceptaria (Walker, 1860) *(Numeria)*
longilabris (Grote, 1872) *(Herminia)*

930513 *eumelusalis* (Walker, 1859) *(Herminia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB -- PE
serraticornis (Grote, 1872) *(Herminia)*

930514 *larentioides* Grote, 1873 *(Phalaenostola)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
citima Grote, 1873 *(Phalaenostola)*

930515 *hanhami* (Smith, 1899) *(Philometra)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

Tetanolita Grote, 1873

930516 *mynesalis* (Walker, 1859) *(Bleptina)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
lixalis Grote, 1873 *(Tetanolita)*

930517 *palligera* (Smith, 1884) *(Heterogramma)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
greta Smith, 1909 *(Tetanolita)*

930518 *floridana* Smith, 1895 *(Tetanolita)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Known in Canada from specimens collected in southern ON recently by JTT (deposited in the CNC).

a *floridana* Smith, 1895 *(Tetanolita)*

b *fulata* Smith, 1909 *(Tetanolita)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --

Bleptina Guenée, 1854

930520 *caradrinalis* Guenée, 1854 *(Bleptina)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
cloniasalis (Walker, 1859) *(Herminia)*
priassalis Walker, 1859 *(Bleptina)*
subjecta Möschler, 1890 *(Bleptina)*
thisbesalis Walker, 1859 *(Bleptina)*

Renia Guenée, 1854

930530 *factiosalis* (Walker, 1859) *(Hypena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- U --
NOTE: The NS records by Perrin & Russell (1912) and Crumb (1956) could not be verified and are doubtful.
alutalis Grote, 1872 *(Renia)*
centralis Grote, 1872 *(Renia)*
clitosalis (Walker, 1859) *(Herminia)*
plenilinealis Grote, 1872 *(Renia)*
tilosalis Smith, 1909 *(Renia)*

930532 *discoloralis* Guenée, 1854 *(Renia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
fallacialis (Walker, 1859) *(Hypena)*
generalis (Walker, 1859) *(Hypena)*
thraxalis (Walker, 1859) *(Herminia)*

930536 *flavipunctalis* (Geyer, 1832) *(Antiblemma)* R -- -- -- -- -- EP SK MB ON QC -- NF NB NS --
NOTE: The AB record by Troubridge & Lafontaine (2003) was deemed erroneous by Pohl et al. (2010) as no records or vouchers are known to exist. However, this species is known in central Canada west to southeastern SK and it may yet be found in southeastern AB.
atrimacula Smith, 1910 *(Renia)*
belfragei Grote, 1872 *(Renia)*
exserta Smith, 1909 *(Renia)*
heliusalis (Walker, 1859) *(Herminia)*
pastoralis Grote, 1872 *(Renia)*
pastorialis Franclemont & Todd, 1983 *(Renia)*
phalerosalis (Walker, 1859) *(Herminia)*

930538 *adspergillus* (Bosc, [1800]) *(Crambus)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
larvalis Grote, 1872 *(Renia)*
restrictalis Grote, 1872 *(Renia)*

930539 *sobrialis* (Walker, 1859) *(Hypena)* R -- -- -- -- -- -- E -- ON QC -- -- NB NS --
NOTE: The SK record by Hooper (1988c) was reported therein as uncertain; it is far out of the known range of this species and is presumed to be erroneous.

***Lascoria* Walker, 1859**

930547 *ambigualis* (Walker, 1866) *(Gaberasa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
bifidalis (Grote, 1872) *(Tortricodes)*
indivisalis (Grote, 1872) *(Tortricodes)*

***Palthis* Hübner, 1825**

930551 *angulalis* (Hübner, 1796) *(Pyralis)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
aracinthusalis (Walker, 1859) *(Mardara)*
930552 *asopialis* (Guenée, 1854) *(Clanyma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
insignalis (Walker, 1859) *(Bertula)*

***Redectis* Nye, 1975**

930555 *vitrea* (Grote, 1878) *(Dercetis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

subfamily Pangraptinae Grote, 1882

***Pangrapta* Hübner, 1818**

930559 *decoralis* Hübner, 1818 *(Pangrapta)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
elengantalis (Fitch, 1856) *(Hypena)*
epionoides (Guenée, 1852) *(Marmorinia)*
geometroides (Guenée, 1852) *(Marmorinia)*
recusans (Walker, 1866) *(Thyridospila)*

***Ledaea* Druce, 1891**

930560 *perditalis* (Walker, 1859) *(Hyamia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
semilineata (Walker, 1865) *(Legna)*
umbrifascia (Grote, 1873) *(Spargaloma)*

subfamily Hypeninae Herrich-Schäffer, [1851]

***Hypena* Schrank, 1802**
Bomolocha Hübner, 1825
Lomanaltes Grote, 1873
Plathypena Grote, 1873

930561 *manalis* Walker, 1859 *(Hypena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
930562 *baltimoralis* Guenée, 1854 *(Hypena)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
benignalis Walker, 1859 *(Hypena)*
laciniosa Zeller, 1872 *(Hypena)*
930564 *bijugalis* Walker, 1859 *(Hypena)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
albisignalis Zeller, 1872 *(Hypena)*
fecialis (Grote, 1881) *(Bomolocha)*
internalis Robinson, 1870 *(Hypena)*
pallialis Zeller, 1872 *(Hypena)*
toreuta Grote, 1872 *(Hypena)*
930565 *palparia* Walker, 1861 *(Hypena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
scutellaris (Grote, 1873) *(Bomolocha)*
930566 *abalienalis* Walker, 1859 *(Hypena)* R -- -- -- -- BC -- SK MB ON QC -- -- NB -- --
930567 *deceptalis* Walker, 1859 *(Hypena)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
perangulalis (Harvey, 1875) *(Bomolocha)*
930568 *madefactalis* Guenée, 1854 *(Hypena)* R -- -- -- -- -- -- -- E ON QC -- -- NB -- --
NOTE: Historical records from MB are unvouchered and unlikely; they are hereby deemed erroneous.
achatinalis Zeller, 1872 *(Hypena)*
caducalis Walker, 1859 *(Hypena)*

damnosalis Walker, 1859 *(Hypena)*
profecta Grote, 1872 *(Hypena)*

930570 *sordidula* Grote, 1872 *(Hypena)* R -- -- -- -- -- -- P MB ON QC -- -- -- -- --

930573 *atomaria* (Smith, 1903) *(Bomolocha)* R -- -- -- -- BC AB SK MB ON QC -- NF -- -- --
chicagonis (Dyar, 1904) *(Bomolocha)*
perpallida (Dyar, 1904) *(Bomolocha)*

930575 *edictalis* Walker, 1859 *(Hypena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
lentiginosa (Grote, 1873) *(Meghypena)*
velifera (Grote, 1873) *(Meghypena)*

930580 *minualis* Guenée, 1854 *(Hypena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
citata Grote, 1872 *(Hypena)*
constans (Hayes, 1975) *(Ophiuche)*
obtectalis Möschler, 1886 *(Hypena)*
trituberalis Zeller, 1872 *(Hypena)*

930584 *humuli* Harris, 1841 *(Hypena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
albopunctata Tepper, 1881 *(Hypena)*
evanidalis Robinson, 1870 *(Hypena)*
germanalis Walker, 1859 *(Hypena)*
olivacea Grote, 1873 *(Hypena)*

930585 *californica* Behr, 1870 *(Hypena)* R AK -- -- -- BC AB SK -- ON -- -- -- -- -- --

930586 *decorata* Smith, 1884 *(Hypena)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --

930587E *modestoides* Poole, 1989 *(Hypena)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: What is called *H. modestoides* in Canada and the Pacific Northwest USA is a plain form of *H. decorata*. True *H. modestoides* is a small gray species confined to southwestern CA.
modesta Smith, 1895 *(Hypena)*

930588 *scabra* (Fabricius, 1798) *(Hyblaea)* R -- -- -- -- E AB SK MB ON QC -- -- NB NS PE
NOTE: The historical BC record was deemed erroneous by Pohl et al. (2015b).
erectalis Guenée, 1854 *(Hypena)*
revoluta (Walker, 1858) *(Poaphila)*
subrufalis Grote, 1872 *(Hypena)*

930589 *eductalis* Walker, [1859] *(Hypena)* R -- -- -- -- -- AB SK MB ON QC LB NF NB NS PE
laetulus (Grote, 1873) *(Lomanaltes)*

930589.1 *opulenta* (Christoph, 1877) *(Bomolocha)*+ R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This European species was introduced to Ottawa (ON) in a field trial for the control of invasive swallow-wort (*Cynanchum* spp.) (Young & Weed 2014).

***Colobochyla* Hübner, 1825**

930590 *interpuncta* (Grote, 1872) *(Madopa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
a *interpuncta* (Grote, 1872) *(Madopa)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
saligna (Zeller, 1872) *(Colobochila)*
b *rufa* (Grote, 1883) *(Salia)*

***Melanomma* Grote, 1875**

930591 *auricinctaria* Grote, 1875 *(Melanomma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

subfamily Rivulinae Grote, 1895

***Rivula* Guenée, 1845**

930592 *propinqualis* Guenée, 1854 *(Rivula)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

***Oxycilla* Grote, 1896**

930597 *malaca* (Grote, 1873) *(Erastria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

930598E *mitographa* (Grote, 1873) *(Erastria)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Winn (1912) is based on a misidentification of *O. malaca* (Handfield et al. 1997).

subfamily Scoliopteryginae Herrich-Schäffer, [1852]

tribe Scoliopterygini Herrich-Schäffer, [1852]

Scoliopteryx Germar, 1810

930601 *libatrix* (Linnaeus, 1758) *(Phalaena)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
libatricus (Haworth, 1803) *(Bombyx)*

tribe Anomini Grote, 1882

Anomis Hübner, 1821

930602 *erosa* Hübner, 1821 *(Anomis)* S -- -- -- -- -- -- -- U S S -- -- S -- --
NOTE: The MB record by Brodie (1929) could not be verified. All Canadian records are thought to be strays.

930603E *flava* (Fabricius, 1775) *(Noctua)** E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Riotte (1992) is based on a misidentification of *A. erosa*.

930608 *illita* Guenée, 1852 *(Anomis)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
NOTE: New for Canada, based on a specimen from Port Franks (ON), collected by KS and confirmed by JTT.
conducta Walker, 1858 *(Anomis)*
hostia (Harvey, 1876) *(Aletia)*
praerupta Möschler, 1890 *(Anomis)*
tortuosa (Walker, 1858) *(Ristra)*

Rusicada Walker, 1858

930604 *privata* (Walker, 1865) *(Gonitis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: A specimen collected recently by JTT is the first Canadian record.
commoda (Butler, 1878) *(Gonitis)*
griseolineata (Warren, 1913) *(Rusicada)*
subfulvida (Warren, 1913) *(Rusicada)*

Alabama Grote, 1895

930611 *argillacea* (Hübner, 1823) *(Aletia)* S -- -- -- -- -- -- -- S S S -- -- S S --
bipunctina (Guenée, 1852) *(Anomis)*
grandipuncta (Guenée, 1852) *(Anomis)*
xylina (Say, 1828) *(Noctua)*

subfamily Calpinae Boisduval, 1840

tribe Calpini Boisduval, 1840

Calyptra Ochsenheimer, 1816
Calpe Treitschke, 1825

930612 *canadensis* (Bethune, 1865) *(Calpe)* R -- -- -- -- -- E SK MB ON QC -- -- NB NS --
NOTE: Report of this species ranging as far west as AB is erroneous, originating with Holland (1903) and repeated by many subsequent authors (Pohl et al. 2010).
purpurascens (Walker, 1865) *(Plusiodonta)*
sobria (Walker, 1865) *(Oraesia)*

Plusiodonta Guenée, 1852

930622 *compressipalpis* Guenée, 1852 *(Plusiodonta)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
insignis Walker, 1865 *(Plusiodonta)*

tribe Ophiderini Guenée, 1852

Eudocima Billberg, 1820

930624 *apta* (Walker, 1858) *(Ophideres)* S -- -- -- -- -- -- -- -- S S -- -- S -- --
NOTE: Historical reports of the Old World species *E. materna* in NA refer to this species.
chalcogramma (Walker, 1865) *(Ophideres)*
hybrida (Fabricius, 1775) *(Noctua)*
materna of authors (not Linnaeus, 1767) *(Phalaena)*

930626 *tyrannus* (Guenée, 1852) *(Ophideres)** S S -- -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: An individual of this otherwise Asian species was photographed in the western Aleutian Islands of AK (Kruse 2002).

subfamily Hypocalinae Guenée, 1852

Hypocala Guenée, 1852

930627 *andremona* (Stoll, 1781) *(Phalaena)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
filicornis Guenée, 1852 *(Hypocala)*
hilli Lintner, 1878 *(Hypocala)*
nymphagoga (Martyn, 1797) *(Phalaena)*
pierreti Guenée, 1852 *(Hypocala)*

Hypsoropha Hübner, 1818

930629 *hormos* Hübner, 1818 *(Hypsoropha)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --

subfamily Scolecocampinae Grote, 1883

Scolecocampa Guenée, 1852

930637 *liburna* (Geyer, 1837) *(Clytie)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
ligni Guenée, 1852 *(Scolecocampa)*

Gabara Walker, 1866

930643EP *subnivosella* Walker, 1866 *(Gabara)* EP -- -- -- -- -- -- -- E -- P -- -- -- -- --
NOTE: Report of this species from MB by Troubridge & Lafontaine (2003) is deemed erroneous as no vouchers could be located. It is expected in southern QC (Handfield 2011).
a *subnivosella* Walker, 1866 *(Gabara)*
nivealis (Smith, 1903) *(Eucalyptra)*
b *bipuncta* (Morrison, 1875) *(Eucalyptra)* r -- -- -- -- -- -- -- -- -- qc -- -- -- -- --

Phobolosia Dyar, 1908

930654 *anfracta* (Edwards, 1881) *(Nola)* R -- -- E -- BC -- -- -- -- -- -- -- -- -- --
NOTE: Report of this species by Powell & Opler (2009) from NT is deemed erroneous; this species is not known north of southern BC.
reincarnata Dyar, 1908 *(Phobolosia)*

Nigetia Walker, 1866

930655 *formosalis* Walker, 1866 *(Nigetia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
melanopa (Zeller, 1872) *(Nola)*

subfamily Hypenodinae Forbes, 1954

Hypenodes Doubleday, 1850
tax info: Ferguson (1954b)

930661 *caducus* (Dyar, 1907) *(Menopsimus)* R -- -- -- -- E E -- E ON QC -- -- NB NS PE

NOTE: Most historical records of this species in western Canada refer to *H. sombrus*. However, some records may refer to an undescribed species near *H. caducus* that occurs from BC to NF.

930662 *fractilinea* (Smith, 1908) *(Thalpochares)* R -- -- -- -- BC AB SK P ON QC LB -- NB NS --

NOTE: Reports of the Palaearctic species *H. turfosalis* (Wocke) from NF by Krogerus (1954) and Morris (1980) are erroneous, and refer to *H. fractilinea* and other *Hypenodes* species.

930663 *palustris* Ferguson, 1954 *(Hypenodes)* R AK -- -- -- -- -- SK -- ON QC -- -- NB NS --

930664 *sombrus* Ferguson, 1954 *(Hypenodes)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS --

930665 *franclemonti* Ferguson, 1954 *(Hypenodes)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --

Parahypenodes Barnes & McDunnough, 1918

930667 *quadralis* Barnes & McDunnough, 1918 *(Parahypenodes)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

Dyspyralis Warren, 1891

930669 *illocata* Warren, 1891 *(Dyspyralis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
humerata (Smith, 1908) *(Erastria)*

930670 *puncticosta* (Smith, 1908) *(Erastria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

930671 *nigellus* (Strecker, 1900) *(Epizeuxis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
immuna (Smith, 1908) *(Erastria)*

subfamily Boletobiinae Guenée, [1858]

tribe Boletobiini Guenée, [1858]

Parascotia Hübner, 1825

tax info: Franclemont (1985)

930673 *fuliginaria* (Linnaeus, 1761) *(Phalaena)*+ R -- -- -- -- -- -- -- -- ON P -- -- NB -- --
carbonaria ([Denis & Schiffermüller], 1775) *(Geometra)*
lignaria (Fabricius, 1794) *(Phalaena)*
lunulata (Fabricius, 1794) *(Phalaena)*
mineta Franclemont, 1985 *(Parascotia)*
sachalinensis (Matsumura, 1925) *(Kara)*

Mycterophora Newman, 1850

tax info: Franclemont (1985)

930674 *inexplicata* (Walker, [1863]) *(Scotosia)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS --
slossoniae Hulst, 1898 *(Mycterophora)*

930676 *longipalpata* Hulst, 1896 *(Mycterophora)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Metalectra Hübner, 1823

930679 *discalis* (Grote, 1876) *(Homopyralis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

930680 *quadrisignata* (Walker, [1858]) *(Homoptera)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
contracta (Walker, 1860) *(Homoptera)*
tactus (Grote, 1874) *(Homopyralis)*
zonata (Walker, 1865) *(Homoptera)*

tribe Phytometrini Hampson, 1913

Hemeroplanis Hübner, 1818

930705 *historialis* (Grote, 1882) *(Pleonectyptera)* U -- -- -- -- U U -- -- -- -- -- -- -- -- --

NOTE: The BC and AB specimens reported by Crabo et al. (2013) have not been verified.

concoloralis Barnes & Benjamin, 1924 *(Hemeroplanis)*
cumulalis (Dyar, 1910) *(Pleonectyptera)*
finitima (Smith, 1893) *(Pleonectyptera)*

secundalis (Smith, 1907) *(Pleonectyptera)*
serena (Smith, 1911) *(Pleonectyptera)*
tenalis (Smith, 1907) *(Pleonectyptera)*

***Spargaloma* Grote, 1873**

930715 *sexpunctata* Grote, 1873 *(Spargaloma)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

***Phytometra* Haworth, 1809**

930716 *ernestinana* (Blanchard, 1840) *(Nanthilda)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
coccinifascia (Grote, 1873) *(Xanthoptera)*
930717 *rhodarialis* (Walker, 1859) *(Herminia)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
confinisalis (Walker, 1866) *(Marimatha)*
rosalba (Grote, 1873) *(Xanthoptera)*
semipurpurea (Walker, 1865) *(Anthophila)*

***Hyperstrotia* Hampson, 1910**

930727 *nana* (Hübner, 1818) *(Cryphia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
villificans (Barnes & McDunnough, 1918) *(Cryphia)*
930729 *pervertens* (Barnes & McDunnough, 1918) *(Cryphia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
930732 *secta* (Grote, 1879) *(Eustrotia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Phytometrini (unplaced) Hampson, 1913

***Isogona* Guenée, 1852**

930734 *tenuis* (Grote, 1872) *(Coleophora)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

subfamily Toxocampinae Guenée, 1852

***Lygephila* Billberg, 1820**
Toxocampa Guenée, 1841

930753 *victoria* (Grote, 1874) *(Toxocampa)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

***Tathorhynchus* Hampson, 1894**

930754 *exsiccata* (Lederer, 1855) *(Spintherops)*+ R -- -- -- -- -- AB SK MB ON -- -- -- -- -- --
angustiorata (Grote, 1882) *(Platysenta)*
greuteri (Koutsaftikis, 1973) *(Tathorhyncus)*
vinctalis (Walker, 1866) *(Scopula)*

subfamily Erebinae Leach, [1815]

tribe Thermesiini Guenée, 1852

***Thysania* Dalman, 1824**

930758 *zenobia* (Cramer, 1777) *(Attacus)* S -- -- -- -- -- -- S S S S -- -- S -- --

***Ascalapha* Hübner, 1809**

930759 *odorata* (Linnaeus, 1758) *(Phalaena)* S S -- -- -- S S S S S S -- S S S --
agarista (Cramer, 1777) *(Phalaena)*
odora (Linnaeus, 1764) *(Phalaena)*

tribe Catocalini Boisduval, [1828]

Spiloloma Grote, 1873

930760 *lunilinea* Grote, 1873 *(Spiloloma)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --

Catocala Schrank, 1802

930761 *innubens* Guenée, 1852 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
flavidalis Grote, 1874 *(Catocala)*
hinda French, 1881 *(Catocala)*
innubenta (Strand, 1913) *(Catabapta)*
scintillans Grote & Robinson, 1866 *(Catocala)*

930762 *piatrix* Grote, 1864 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
a *piatrix* Grote, 1864 *(Catocala)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
b *dionyza* Edwards, 1884 *(Catocala)*

930764 *epione* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
marginata (Fabricius, 1775) *(Noctua)*
marginella (Fabricius, 1794) *(Noctua)*

930766 *antinympha* (Hübner, 1823) *(Ephesia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
affinis Westwood, 1837 *(Catocala)*
melanympha Guenée, 1852 *(Catocala)*
multoconspicua Reiff, 1919 *(Catocala)*
paranympha (Drury, 1773) *(Noctua)*

930767 *badia* Grote & Robinson, 1866 *(Catocala)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
a *badia* Grote & Robinson, 1866 *(Catocala)*
b *coelebs* Grote, 1874 *(Catocala)* r -- -- -- -- -- -- sk mb on qc -- -- nb ns pe
phoebe Edwards, 1885 *(Catocala)*
phoebe Hulst, 1884 *(Catocala)*

930768 *habilis* Grote, 1872 *(Catocala)* R -- -- -- -- -- -- -- U ON QC -- -- U NS --
NOTE: Historical MB and NB records could not be verified.
basalis Grote, 1876 *(Catocala)*
denussa Ehrmann, 1893 *(Catocala)*
depressans Sargent, 1976 *(Catocala)*

930769E *robinsonii* Grote, 1872 *(Catocala)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Crumb (1956) is deemed erroneous; no vouchers are known and this species is otherwise unknown in Canada. However, it was reported near the Canadian border from Detroit (MI) but has not been seen there in almost 100 years.

930771 *judith* Strecker, 1874 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
levettei Grote, 1874 *(Catocala)*

930772 *serena* Edwards, 1864 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

930773 *obscura* Strecker, 1873 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
obvia Schwarz, 1919 *(Catocala)*
simulatilis Grote, 1874 *(Catocala)*

930774 *residua* Grote, 1874 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

930775 *flebilis* Grote, 1872 *(Catocala)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: A specimen in the D. Hawks collection is the sole Canadian record.
carolina Holland, 1903 *(Catocala)*

930777 *retecta* Grote, 1872 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

930780 *dejecta* Strecker, 1880 *(Catocala)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

930781 *insolabilis* Guenée, 1852 *(Catocala)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
insolabilella (Strand, 1913) *(Catabapta)*

930782 *vidua* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
desperata Guenée, 1852 *(Catocala)*
viduata Guenée, 1852 *(Catocala)*

930783 *lacrymosa* Guenée, 1852 *(Catocala)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
albomarginata Cassino, 1917 *(Catocala)*
emelia Edwards, 1881 *(Catocala)*
evelina French, 1881 *(Catocala)*

paulina Edwards, 1880 *(Catocala)*
subviridis Harvey, 1877 *(Catocala)*
zelica French, 1881 *(Catocala)*

930784 *palaeogama* Guenée, 1852 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
annida Fager, 1882 *(Catocala)*
phalanga Grote, 1864 *(Catocala)*
snowiana Grote, 1876 *(Catocala)*

930787 *nebulosa* Edwards, 1864 *(Catocala)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
ponderosa Grote & Robinson, 1866 *(Catocala)*

930788 *subnata* Grote, 1864 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
subnatana (Strand, 1913) *(Catabapta)*

930789 *maestosa* Hulst, 1884 *(Catocala)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: A male and female photographed at Windsor (ON) in August 2017 by M. Bottos was widely reported in the popular media as the first Canadian record of this species. However, a photograph from Chatham (ON) by R. Stead had been submitted to BugGuide and confirmed as this species in 2015.
guenei Grote, 1887 *(Catocala)*
moderna Grote, 1900 *(Catocala)*

930790 *neogama* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
a *neogama* (Smith, 1797) *(Phalaena)*
communis Grote, 1872 *(Catocala)*
loretta Barnes & McDunnough, 1918 *(Catocala)*
mildredae Franclemont, 1938 *(Catocala)*
b *euphemia* Beutenmüller, 1907 *(Catocala)* r -- -- -- -- -- -- -- -- on qc -- -- nb -- --
arizonae (Strand, 1913) *(Catabapta)*

930791 *aholibah* Strecker, 1874 *(Catocala)* R -- -- -- -- BC -- SK -- -- -- -- -- -- -- --
coloradensis Beutenmüller, 1903 *(Catocala)*
ellenensis Reiff, 1920 *(Catocala)*

930792 *ilia* (Cramer, 1775) *(Phalaena)* R -- -- -- -- -- -- SK MB ON QC -- E NB NS --
NOTE: The NF record by Morris (1980) and others is based on a single specimen from Tompkins that has been redetermined as *C. blandula*.
a *ilia* (Cramer, 1775) *(Phalaena)*
albomacula Butler, 1892 *(Catocala)*
conspicua Worthington, 1883 *(Catocala)*
decorata Worthington, 1883 *(Catocala)*
duplicata Worthington, 1883 *(Catocala)*
hulsti Reiff, 1920 *(Catocala)*
iliana Strand, 1913 *(Catocala)*
normani Bartsch, 1916 *(Catocala)*
obsoleta Worthington, 1883 *(Catocala)*
satanas Reiff, 1920 *(Catocala)*
uxor Guenée, 1852 *(Catocala)*
b *zoe* Behr, 1870 *(Catocala)*
osculata Hulst, 1884 *(Catocala)*
reiffi Cassino, 1917 *(Catocala)*

930793 *umbrosa* Brou, 2003 *(Catocala)* R -- -- -- -- -- -- -- MB -- E -- -- -- -- --
NOTE: A MB specimen has been confirmed via dissection, and is the sole verified specimen known from Canada. The QC record by Troubridge & Lafontaine (2003) was based on a mislabelled specimen.
confusa Worthington, 1883 *(Catocala)*

930794 *cerogama* Guenée, 1852 *(Catocala)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
aurella Fischer, 1885 *(Catocala)*
bunkeri Grote, 1876 *(Catocala)*
eliza Fischer, 1885 *(Catocala)*
ruperti Franclemont, 1938 *(Catocala)*

930795 *relicta* Walker, [1858] *(Catocala)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
bianca Edwards, 1880 *(Catocala)*
clara Beutenmüller, 1903 *(Catocala)*
elda Behrens, 1887 *(Catocala)*
fischeri Meyer, 1952 *(Catocala)*
phrynia Edwards, 1880 *(Catocala)*

930797 *unijuga* Walker, [1858] *(Catocala)* R AK -- NT -- BC AB SK MB ON QC -- NF NB NS PE
agatha Beutenmüller, 1907 *(Catocala)*
cassinoi Beutenmüller, 1918 *(Catocala)*
fletcheri Franclemont & Todd, 1983 *(Catocala)*
fletcherii Beutenmüller, 1903 *(Catocala)*
helena Cassino, 1917 *(Catocala)*
lucilla Worthington, 1883 *(Catocala)*
patricia Cassino, 1917 *(Catocala)*

930798 *parta* Guenée, 1852 *(Catocala)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
forbesi Franclemont, 1938 *(Catocala)*
perplexa Strecker, 1873 *(Catocala)*
petulans Hulst, 1884 *(Catocala)*

930800 *luciana* Strecker, 1874 *(Catocala)* R -- -- -- -- -- AB SK MB ON -- -- -- -- -- --
luciana Edwards, 1875 *(Catocala)*
nebraskae Dodge, 1875 *(Catocala)*
somnus Dodge, 1881 *(Catocala)*

930801 *faustina* Strecker, 1873 *(Catocala)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *faustina* Strecker, 1873 *(Catocala)*
carlota Beutenmüller, 1897 *(Catocala)*
lydia Beutenmüller, 1907 *(Catocala)*
rubra Cassino, 1918 *(Catocala)*
zillah Strecker, 1877 *(Catocala)*
b *cleopatra* Strecker, 1874 *(Catocala)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
barbara Cassino, 1918 *(Catocala)*
cleopatra Edwards, 1875 *(Catocala)*
perdita Edwards, 1875 *(Catocala)*
perdita Strecker, 1874 *(Catocala)*

930801.1 *allusa* Hulst, 1884 *(Catocala)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: We follow Crabo et al. (2013) and treat this taxon as a full species rather than as a subspecies of *C. faustina*, based on morphological and ecological differences, and no indication of intergradation.
caerulea Beutenmüller, 1907 *(Catocala)*
frenchii Poling, 1901 *(Catocala)*

930802 *hermia* Edwards, 1880 *(Catocala)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
a *hermia* Edwards, 1880 *(Catocala)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
diantha Beutenmüller, 1907 *(Catocala)*
ritana Beutenmüller, 1918 *(Catocala)*
rosa Beutenmüller, 1918 *(Catocala)*
sheba Cassino, 1919 *(Catocala)*
verecunda Hulst, 1884 *(Catocala)*
vesta Barnes & McDunnough, 1918 *(Catocala)*
b *francisca* Edwards, 1880 *(Catocala)*

930803 *californica* Edwards, 1864 *(Catocala)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
edwardsi Kusnezov, 1903 *(Catocala)*
eldoradensis Beutenmüller, 1907 *(Catocala)*
elizabeth Beutenmüller, 1907 *(Catocala)*
erichi Brower, 1976 *(Catocala)*
mariana Edwards, 1875 *(Catocala)*
mariana Strecker, 1874 *(Catocala)*

930804 *briseis* Edwards, 1864 *(Catocala)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
albida Beutenmüller, 1907 *(Catocala)*
briseana Strand, 1913 *(Catocala)*
clarissima Beutenmüller, 1918 *(Catocala)*
minerva Cassino, 1917 *(Catocala)*

930805 *grotiana* Bailey, 1879 *(Catocala)* R -- -- -- -- P AB -- E -- -- -- -- -- -- --
NOTE: The Prentice (1962) MB record is deemed erroneous; no MB vouchers are known of this otherwise western species, known in Canada only from Waterton (AB).
georgeana Beutenmüller, 1918 *(Catocala)*

930806 *semirelicta* Grote, 1874 *(Catocala)* R E -- -- -- BC AB SK MB ON QC -- -- NB NS PE
NOTE: The AK record by The Lepidopterists' Society (2013) was based on a misidentification of *C. unijuga*, redetermined via DNA barcoding.

a *semirelicta* Grote, 1874 *(Catocala)*
atala Cassino, 1918 *(Catocala)*
b *hippolyta* Strecker, 1874 *(Catocala)*
hippolyta Edwards, 1875 *(Catocala)*
montana Beutenmüller, 1907 *(Catocala)*
nevadensis Beutenmüller, 1907 *(Catocala)*
nigra Eastman, 1916 *(Catocala)*
pura Hulst, 1880 *(Catocala)*
walteri Schwarz, 1923 *(Catocala)*

930807 *meskei* Grote, 1873 *(Catocala)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --
beaniana Grote, 1878 *(Catocala)*
concolorata McDunnough, 1932 *(Catocala)*
krombeini Franclemont, 1938 *(Catocala)*
mescei Hampson, 1913 *(Catocala)*
orion McDunnough, 1922 *(Catocala)*
rosalinda Edwards, 1880 *(Catocala)*

930809 *junctura* Walker, [1858] *(Catocala)* R -- -- -- -- BC AB U U -- -- -- -- -- -- --
NOTE: Records from SK and MB are unverified.
arizonae Grote, 1873 *(Catocala)*
arizonensis Strand, 1913 *(Catocala)*
aspasia of authors, [no date] *(Catocala)*
augusta Edwards, 1876 *(Catocala)*
elsa Beutenmüller, 1918 *(Catocala)*
huachuca Beutenmüller, 1918 *(Catocala)*
julietta French, 1916 *(Catocala)*
juncturana Strand, 1913 *(Catocala)*
juncturella Strand, 1913 *(Catocala)*
juncturelloides Strand, 1913 *(Catocala)*
margherita Beutenmüller, 1918 *(Catocala)*
portia Edwards, 1880 *(Catocala)*
roseata Cassino, 1919 *(Catocala)*
sara French, 1883 *(Catocala)*
sierrae Beutenmüller, 1897 *(Catocala)*
stretchi Franclemont & Todd, 1983 *(Catocala)*
stretchii Behr, 1870 *(Catocala)*
walshii Edwards, 1864 *(Catocala)*

930812 *cara* Guenée, 1852 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

930814 *concumbens* Walker, [1858] *(Catocala)* R -- E -- -- -- AB SK MB ON QC -- -- NB NS PE
NOTE: The Fort Selkirk (YT) record by Forbes (1954) is deemed erroneous. Perhaps it refers to Selkirk (MB) which would be much more likely for this otherwise southern Canadian species.
diana Edwards, 1880 *(Catocala)*
hilli Franclemont & Todd, 1983 *(Catocala)*
hillii Grote, 1883 *(Catocala)*

930815 *amatrix* (Hübner, [1813]) *(Noctua)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
editha Edwards, 1874 *(Catocala)*
hesseli Sargent, 1976 *(Catocala)*
nurus Walker, 1858 *(Catocala)*
pallida Barnes & McDunnough, 1918 *(Catocala)*
selecta Walker, 1858 *(Catocala)*

930826 *illecta* Walker, [1858] *(Catocala)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
magdalena Strecker, 1874 *(Catocala)*

930827 *abbreviatella* Grote, 1872 *(Catocala)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: The sole Canadian specimen known is an old voucher in the Heath collection at UMB.

930828E *nuptialis* Walker, [1858] *(Catocala)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: Reported from MB by Crumb (1956); that is deemed suspect as this species is otherwise unknown north of SD and southern MN.

930829 *whitneyi* Dodge, 1874 *(Catocala)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
obscura Draudt, 1939 *(Catocala)*
vhitneyi Hampson, 1913 *(Catocala)*

930832 *sordida* Grote, 1877 *(Catocala)* R -- -- -- -- -- E SK MB ON QC -- -- NB NS PE
NOTE: The AB record by Pohl et al. (2014) is erroneous, based on a mapping error of a SK specimen in RSM.
engelhardti Lemmer, 1937 *(Catocala)*
metalomus Mayfield, 1922 *(Catocala)*

930833 *gracilis* Edwards, 1864 *(Catocala)* R -- -- -- -- -- -- -- E ON QC -- -- -- NS --
NOTE: MB records by Forbes (1954) and Brodie (1929) are erroneous; voucher material has been redetermined as *C. sordida*. *Catocala gracilis* is a southeastern species occurring only as far west as southern ON.
cinerea Mayfield, 1922 *(Catocala)*
hesperis Sargent, 1976 *(Catocala)*
lemmeri Mayfield, 1923 *(Catocala)*
tela Strand, 1913 *(Catocala)*

930835P *andromedae* (Guenée, 1852) *(Hypogramma)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species was listed as "expected" in QC by Handfield (2011).
tristis Edwards, 1864 *(Catocala)*

930837 *coccinata* Grote, 1872 *(Catocala)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
chiquita Bartsch, 1916 *(Catocala)*
circe Strecker, 1876 *(Catocala)*
sinuosa Grote, 1879 *(Catocala)*

930841 *ultronia* (Hübner, 1823) *(Eunetis)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
adriana Edwards, 1880 *(Catocala)*
celia Edwards, 1880 *(Catocala)*
lucinda Beutenmüller, 1907 *(Catocala)*
mopsa Edwards, 1880 *(Catocala)*
nigrescens Cassino, 1917 *(Catocala)*

930844 *mira* Grote, 1876 *(Catocala)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
dana Cassino, 1918 *(Catocala)*

930845 *grynea* (Cramer, 1779) *(Phalaena)* R -- -- -- -- -- -- -- E ON QC -- -- NB U --
NOTE: The MB record by Hanham (1899) is assumed to refer to *C. praeclara manitoba*. The NS record by Perrin & Russell (1912) could not be verified.
constans Hulst, 1884 *(Catocala)*
nuptula Walker, 1858 *(Catocala)*
polygama Guenée, 1852 *(Catocala)*

930846 *crataegi* Saunders, 1876 *(Catocala)* R -- -- -- -- -- -- -- E ON QC -- -- NB NS PE
NOTE: This species was reported from MB on historical checklists, but all known MB vouchers have been redetermined as *C. mira* and *C. blandula*.

930847 *praeclara* Grote & Robinson, 1866 *(Catocala)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
a *praeclara* Grote & Robinson, 1866 *(Catocala)* r -- -- -- -- -- -- -- u on qc -- -- nb ns pe
b *manitoba* Beutenmüller, 1908 *(Catocala)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --
c *charlottae* Brou, 1988 *(Catocala)*

930851 *blandula* Hulst, 1884 *(Catocala)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
manitobensis Cassino, 1918 *(Catocala)*

930853 *clintonii* Grote, 1864 *(Catocala)* R -- -- -- -- E -- P MB ON QC -- -- -- -- --
NOTE: Reported from BC by Anderson (1904) and ESBC (1906), but no BC vouchers are known. The species is otherwise known from eastern NA only as far west as MB, so the BC records are deemed erroneous.
clintoni Franclemont & Todd, 1983 *(Catocala)*

930855 *similis* Edwards, 1864 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
aholah Strecker, 1874 *(Catocala)*
amasia (Smith, 1797) *(Phalaena)*
formula Grote & Robinson, 1866 *(Catocala)*
isabella Edwards, 1880 *(Catocala)*

930856 *minuta* Edwards, 1864 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
eureka Schwarz, 1919 *(Catocala)*
hiseri Cassino, 1918 *(Catocala)*
mellitula Hulst, 1884 *(Catocala)*
obliterata Schwarz, 1919 *(Catocala)*
parvula Edwards, 1864 *(Catocala)*

930857 *micronympha* Guenée, 1852 *(Catocala)* R -- -- -- -- -- -- P MB ON QC -- -- -- -- --
atarah Strecker, 1874 *(Catocala)*
fratercula Grote & Robinson, 1866 *(Catocala)*
gisela Meyer, 1880 *(Catocala)*

helene Pilate, 1882 *(Catocala)*
hero Edwards, 1884 *(Catocala)*
hero Hulst, 1884 *(Catocala)*
jacquenetta Edwards, 1880 *(Catocala)*
jaquenetta McDunnough, 1938 *(Catocala)*
lolita Sargent, 1976 *(Catocala)*
ouwah Poling, 1901 *(Catocala)*
sargenti Covell, 1978 *(Catocala)*
timandra Edwards, 1880 *(Catocala)*

930858 *connubialis* Guenée, 1852 *(Catocala)* R -- -- -- -- -- -- -- -- ON P -- -- NB NS PE
broweri Muller, 1960 *(Catocala)*
cordelia Edwards, 1880 *(Catocala)*
pulverulenta Brower, 1940 *(Catocala)*
sancta Hulst, 1884 *(Catocala)*
virens French, 1886 *(Catocala)*

930859 *amica* (Hübner, 1818) *(Ephesia)* R -- -- -- -- E -- -- -- ON QC -- -- -- -- --
NOTE: The BC record by Anderson (1904) is assumed to be erroneous; it was not repeated when the list was corrected by ESBC (1906).
androphila Guenée, 1852 *(Catocala)*
curvifascia Brower, 1936 *(Catocala)*
melanotica Reiff, 1916 *(Catocala)*
suffusa Beutenmüller, 1903 *(Catocala)*

930860 *lineella* Grote, 1872 *(Catocala)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
aurantiaca Reiff, 1916 *(Catocala)*
nerissa Edwards, 1880 *(Catocala)*
novangliae Reiff, 1916 *(Catocala)*

tribe Melipotini Grote, 1895

Phoberia Hübner, 1818

930862 *atomaris* Hübner, 1818 *(Phoberia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
orthosiodes Richards, 1939 *(Phoberia)*
orthosioides (Guenée, 1852) *(Lyssia)*
porrigens (Walker, 1858) *(Poaphila)*

Cissusa Walker, 1856
tax info: Richards (1939)

930864 *spadix* (Cramer, 1780) *(Phalaena)* S -- -- -- -- -- -- -- -- S S -- -- S -- --
remigipila (Guenée, 1852) *(Panula)*
vegeta (Morrison, 1875) *(Taeniocampa)*

930866 *indiscreta* (Edwards, 1886) *(Phoberia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
subtermina (Smith, 1900) *(Synedoida)*

Melipotis Hübner, 1818
tax info: Richards (1939)

930869 *perpendicularis* (Guenée, 1852) *(Bolina)* S -- -- -- -- -- -- -- S S -- -- -- -- -- --
disturbans (Walker, 1858) *(Bolina)*
excepta (Walker, 1858) *(Bolina)*
glaucipennis (Walker, 1858) *(Bolina)*
indistincta (Butler, 1878) *(Achaea)*
limitata (Möschler, 1886) *(Bolina)*
marmoraris (Guenée, 1852) *(Bolina)*
sphaerita (Möschler, 1880) *(Bolina)*
stolida (Walker, 1858) *(Bolina)*
stygialis Grote, 1878 *(Melipotis)*

930870 *fasciolaris* (Hübner, 1823) *(Aedia)* S -- -- -- -- -- -- -- -- -- IC -- -- -- S --
NOTE: The QC record is an old tropical interception (Handfield 2011). The NS record is discussed by Neil (2010).
cunearis (Guenée, 1852) *(Bolina)*
fascicularis Guenée, 1852 *(Melipotis)*
fuscaris (Guenée, 1852) *(Bolina)*
illuminans (Walker, 1858) *(Bolina)*
limitaris (Guenée, 1852) *(Bolina)*
lunearis McDunnough, 1938 *(Melipotis)*

930871 *indomita* (Walker, [1858]) *(Bolina)* S -- -- -- -- -- -- -- S S -- -- -- -- -- --
nigrescens (Grote & Robinson, 1866) *(Aedia)*
ochreifascia (Grote, 1875) *(Bolina)*
ochreipennis (Harvey, 1875) *(Bolina)*

930878 *jucunda* Hübner, 1818 *(Melipotis)* R -- -- -- -- BC S S S S -- -- -- S -- --
NOTE: This species appears to be a stray in most of southern Canada, but it is resident in southern BC and it may be resident in southern ON as well.
a *jucunda* Behr, 1870 *(Melipotis)*
cinis (Guenée, 1852) *(Bolina)*
versabilis Harvey, 1877 *(Melipotis)*
b *hadeniformis* (Hübner, 1818) *(Bolina)*
tetrica (Edwards, 1878) *(Cirrhobolina)*

930881E *acontioides* (Guenée, 1852) *(Bolina)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Richards (1939) reported a stray specimen of this southern species from Didsbury (AB); its whereabouts are not known. The natural occurrence of this species in western Canada is highly unlikely, so we consider the record to be erroneous, either mislabelled or an interception.

Bulia **Walker, 1858**
tax info: Richards (1939), Pogue & Laughlin (2002)

930885 *deducta* (Morrison, 1875) *(Syneda)* S -- -- -- -- S S S S -- -- -- -- -- -- --
NOTE: Historical reports of the Neotropical species *B. mexicana* from BC refer to *B. deducta*. *Bulia mexicana* does not occur north of Mexico.
albina (Strecker, 1900) *(Syneda)*
incandescens (Grote, 1875) *(Cirrhobolina)*
mexicana of authors (not Behr, 1870) *(Syneda)*
pavitensis (Morrison, 1875) *(Syneda)*
vulpina (Edwards, 1882) *(Cirrhobolina)*

Drasteria **Hübner, 1818**
tax info: Richards (1939)
Synedoida Edwards, 1878

930888E *mirifica* (Edwards, 1878) *(Syneda)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The BC record by Jones (1951) refers to *D. hastingsii*, then considered a subspecies of *D. mirifica*, but now elevated to full species status. *Drasteria mirifica* does not occur in Canada.

930889 *hastingsii* (Edwards, 1878) *(Syneda)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
a *hastingsii* (Edwards, 1878) *(Syneda)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
b *klotsi* Edwards, 1878 *(Drasteria)*

930891E *graphica* Hübner, 1818 *(Drasteria)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Erroneous BC record by Jones (1951); this species is not known to occur in Canada.

930892P *occulta* (Edwards, 1881) *(Syneda)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species was reported as probable for QC by Handfield (2011).

930896 *sabulosa* (Edwards, 1881) *(Synedoida)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *sabulosa* (Edwards, 1881) *(Synedoida)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
b *abrupta* (Barnes & McDunnough, 1918) *(Syneda)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
garthi Richards, 1939 *(Drasteria)*
nichollae (Hampson, 1926) *(Syneda)*

930898 *ochracea* (Behr, 1870) *(Syneda)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

930900 *pallescens* (Grote & Robinson, 1866) *(Aedia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
tenella (Edwards, 1881) *(Melipotis)*

930902 *divergens* (Behr, 1870) *(Syneda)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
socia (Behr, 1870) *(Syneda)*

930905 *petricola* (Walker, 1858) *(Euclidia)* R AK YT NT -- BC AB SK MB -- -- -- -- -- -- --
a *petricola* (Walker, 1858) *(Euclidia)* r ak yt u -- bc ab -- -- -- -- -- -- -- -- --
b *athabasca* (Neumögen, 1883) *(Syneda)* r u u nt -- u ab sk mb -- -- -- -- -- -- --
crockeri Richards, 1936 *(Drasteria)*
crokeri (Barnes & Benjamin, 1924) *(Syneda)*

930906 *hudsonica* (Grote & Robinson, 1865) *(Syneda)* R AK YT -- -- BC AB SK MB -- -- -- -- -- -- --
NOTE: The type locality of "Hudson's Bay Territory" likely applies to somewhere in western Canada, west of ON.
a *hudsonica* (Grote & Robinson, 1865) *(Syneda)* r ak yt -- -- bc ab sk mb -- -- -- -- -- -- --
b *heathi* (Barnes & McDunnough, 1918) *(Syneda)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --
pedionis (Hampson, 1926) *(Syneda)*
c *seposita* (Edwards, 1881) *(Syneda)*

930909 *perplexa* (Edwards, 1884) *(Syneda)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

930910 *adumbrata* (Behr, 1870) *(Syneda)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *adumbrata* (Behr, 1870) *(Syneda)*
b *alleni* (Grote, 1877) *(Syneda)*
c *saxea* (Edwards, 1881) *(Syneda)*

930913 *howlandii* (Grote, 1865) *(Syneda)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
exquisita (Hampson, 1926) *(Syneda)*
howlandi Franclemont & Todd, 1983 *(Drasteria)*

930915 *grandirena* (Haworth, 1809) *(Phytometra)* R -- -- -- -- -- E -- E ON QC -- -- -- NS --
NOTE: Reports of this species from AB by Dod (1906) and from MB by Hanham (1899) are erroneous.
limbolaris (Geyer, 1832) *(Aedia)*

tribe Euclidiini Guenée, 1852

Caenurgina McDunnough, 1937

930921 *annexa* (Edwards, 1890) *(Euclidia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
conspicua (Smith, 1900) *(Drasteria)*

930922 *caerulea* (Grote, 1873) *(Drasteria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
aquamarina (Felder & Rogenhofer, 1874) *(Euclidia)*
livida (Letcher, 1896) *(Drasteria)*

930923 *crassiuscula* (Haworth, 1809) *(Phytometra)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE
distincta (Neumögen, 1883) *(Drasteria)*
erichto (Guenée, 1852) *(Drasteria)*
erictho Edwards, 1876 *(Caenurgina)*
impressa (Butler & Druce, 1872) *(Remigia)*
ochrea (Grote, 1873) *(Drasteria)*
sobria (Walker, 1858) *(Microphysa)*

930924 *erechtea* (Cramer, 1780) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
agricola (Grote & Robinson, 1867) *(Drasteria)*
mundula (Grote & Robinson, 1867) *(Drasteria)*
narrata (Walker, 1858) *(Poaphila)*
parva (Blackmore, 1921) *(Caenurgia)*
patibilis (Walker, 1858) *(Poaphila)*

Doryodes Guenée, 1857

tax info: Lafontaine & Sullivan (2015)

930925E *bistrialis* (Geyer, 1832) *(Agriphila)* E -- -- -- -- -- -- -- -- -- -- -- -- E --
NOTE: The NS record by Ferguson (1954) as subspecies *grandipennis* is based on a previous taxonomic concept. *Doryodes grandipennis* is now considered a race of *D. spadaria*; true *D. bistrialis* does not occur in Canada.

930927 *spadaria* Guenée, [1858] *(Doryodes)* R -- -- -- -- -- -- -- -- QC -- -- NB NS PE
divisa (Walker, 1863) *(Themma)*
grandipennis Barnes & McDunnough, 1918 *(Doryodes)*
promptella (Walker, 1863) *(Tunza)*

Euclidia Ochsenheimer, 1816
tax info: Franclemont (1957)

930929 *cuspidea* (Hübner, 1818) *(Drasteria)* R -- -- NT -- BC AB SK MB ON QC -- -- NB -- --
930930 *ardita* Franclemont, 1957 *(Euclidia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Caenurgia Walker, 1858

930938 *chloropha* (Hübner, 1818) *(Xestia)* U -- -- -- -- -- -- -- -- U -- -- -- -- -- --
NOTE: The report of this species from ON by Forbes (1954) could not be verified, but it may well occur in the extreme south of the province; it is depicted as likely occuring in adjacent OH by Beadle & Leckie (2012).
convalescens (Guenée, 1852) *(Drasteria)*
purgata Walker, 1858 *(Caenurgia)*
socors Walker, 1858 *(Caenurgia)*

Celiptera Guenée, 1852

930940 *frustulum* Guenée, 1852 *(Celiptera)* S -- -- -- -- -- -- -- -- S -- -- -- -- -- --
discissa (Walker, 1865) *(Remigia)*
elongatus (Grote, 1864) *(Litomitus)*

Mocis Hübner, 1823

930942 *latipes* (Guenée, 1852) *(Remigia)* S -- -- -- -- -- -- -- -- S S -- -- -- S --
collata (Walker, 1865) *(Remigia)*
delinquens (Walker, 1858) *(Ophiusa)*
exscindens (Walker, 1858) *(Remigia)*
indentata (Harvey, 1875) *(Remigia)*
subtilis (Walker, 1858) *(Remigia)*
930944 *texana* (Morrison, 1875) *(Remigia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Reported by the Natural History Society of Toronto (1883) as occurring in Canada. Forbes (1954) also listed it as possibly occurring as far north as ON and QC, but the only known Canadian vouchers are specimens collected recently by JTT.
hexastylus (Harvey, 1875) *(Remigia)*

tribe Poaphilini Guenée, 1852

Argyrostrotis Hübner, 1821

930956 *anilis* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- S S ON QC -- -- -- -- --
NOTE: Records from western Canada are considered strays.
bilinearis (Martyn, 1797) *(Phalaena)*
sequistriaris (Hübner, 1831) *(Agnomonia)*
sesquistriaris (Franclemont & Todd, 1983) *(Agnomonia)*

Parallelia Hübner, 1818

930961 *bistriaris* Hübner, 1818 *(Parallelia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
amplissima (Walker, 1858) *(Poaphila)*

Allotria Hübner, 1823

930962 *elonympha* (Hübner, 1818) *(Ephesia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- NS --

tribe Omopterini Boisduval, 1833

Lesmone Hübner, 1818

930970 *detrahens* (Walker, 1858) *(Poaphila)* S -- -- -- -- -- -- -- -- -- S -- -- -- -- --
arrosa (Harvey, 1875) *(Trama)*

Heteranassa Smith, 1899
tax info: Homziak et al. (2015)

930982 *mima* (Harvey, 1876) *(Homoptera)* S -- -- -- -- -- -- -- S -- -- -- -- -- -- --
NOTE: A stray Cartwright (MB) specimen of this otherwise southwest USA species was reported by Homziak et al. (2015).
fraterna (Smith, 1899) *(Campometra)*
minor (Smith, 1899) *(Campometra)*

Pseudanthracia Grote, 1874

931015E *coracias* (Guenée, 1852) *(Anthracia)* E -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: This species was reported by Forbes (1954) as a southern species "with stray records north to Canada", but no more specific locality was given, and no Canadian vouchers are known. The most northerly records known are from NY and CT.

Zale Hübner, 1818
tax info: Smith (1908)

931023 *lunata* (Drury, 1773) *(Phalaena)* R -- -- -- -- BC P P MB ON QC -- -- NB NS --
a *lunata* (Drury, 1773) *(Phalaena)*
edusa (Drury, 1774) *(Phalaena)*
lunatoides Strand, 1917 *(Zale)*
putrescens (Guérin-Méneville, 1832) *(Erebus)*
saundersi Franclemont & Todd, 1983 *(Zale)*
saundersii (Bethune, 1865) *(Homoptera)*
b *salicis* (Behr, 1870) *(Homoptera)*
rosae (Behr, 1870) *(Homoptera)*

931026 *galbanata* (Morrison, 1876) *(Homoptera)* R -- -- -- -- E AB SK MB ON QC -- -- NB NS --
NOTE: The BC record by Anderson (1904), as *Z. penna*, a synonym, was removed when the list was corrected by ESBC (1906).
lineosa Franclemont, 1950 *(Zale)*
penna (Morrison, 1876) *(Homoptera)*

931029 *aeruginosa* (Guenée, 1852) *(Ypsia)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS --
nigrior Strand, 1917 *(Zale)*
plenipennis (Walker, 1858) *(Homoptera)*

931030 *undularis* (Drury, 1773) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- NB U --
NOTE: The NS record by Perrin & Russell (1912) could not be verified.
albosquamulata Strand, 1917 *(Zale)*
nigricans (Bethune, 1865) *(Homoptera)*
umbripennis (Grote, 1876) *(Ypsia)*

931032 *minerea* (Guenée, 1852) *(Homoptera)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *minerea* (Guenée, 1852) *(Homoptera)*
albofasciata (Bethune, 1865) *(Homoptera)*
involuta (Walker, 1858) *(Homoptera)*
lineosa (Walker, 1858) *(Homoptera)*
minereoides Strand, 1917 *(Zale)*
b *norda* (Smith, 1908) *(Phaeocyma)*
mexicana Haimbach, 1928 *(Zale)*
minereana Strand, 1917 *(Zale)*
minereella Strand, 1917 *(Zale)*

931033 *phaeocapna* Franclemont, 1950 *(Zale)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

931034 *obliqua* (Guenée, 1852) *(Homoptera)* R -- -- -- -- -- -- U U ON E -- -- -- -- --
NOTE: Historical SK and MB records have not been verified. The QC record by Winn (1912) was based on a misidentification of *Z. submediana* (Handfield et al. 1997).

931035 *squamularis* (Drury, 1773) *(Phalaena)* U -- -- -- -- -- -- -- -- -- U -- -- -- -- --
NOTE: The QC record by McDunnough (1943) is uncertain; it was not mentioned at all by Handfield et al. (1997).
lapidaria Haimbach, 1928 *(Zale)*

931037 *submediana* Strand, 1917 *(Zale)* R -- -- -- -- -- -- U MB ON QC -- -- NB -- --
NOTE: This species was listed from SK by Troubridge & Lafontaine (2003), but SK vouchers in the RSM require verification.
lemmeri McDunnough, 1943 *(Zale)*

931038 *duplicata* (Bethune, 1865) *(Homoptera)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
benesignata (Harvey, 1875) *(Homoptera)*

franclemonti McDunnough, 1943 *(Zale)*
largera (Smith, 1908) *(Phaeocyma)*

931039 *helata* (Smith, 1908) *(Phaeocyma)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
ruperti McDunnough, 1943 *(Zale)*

931040E *bethunei* (Smith, 1908) *(Phaeocyma)* E -- -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Winn (1912) is based on a misidentification of *Z. duplicata* material (Handfield et al. 1997).

931042 *metatoides* McDunnough, 1943 *(Zale)* R -- -- -- -- -- -- U MB ON QC -- -- -- -- --
NOTE: This species was reported from SK by Hooper (1990a) based on a FIDS specimen from Montreal Lake that is vouchered in the RSM. It requires verification.

931044E *curema* (Smith, 1908) *(Phaeocyma)* E -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: Report of this species from ON by Troubridge & Lafontaine (2003) is erroneous; it is restricted to southeastern USA.

931048E *lunifera* (Hübner, 1818) *(Phaeocyma)* E -- -- -- -- -- -- -- E E E -- -- E E --
NOTE: This species is restricted to southern USA; historical Canadian records refer to *Z. intenta*.
cingulifera (Walker, [1858]) *(Homoptera)*

931049 *intenta* (Walker, 1858) *(Homoptera)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
dealbata Strand, 1917 *(Zale)*
woodi Franclemont & Todd, 1983 *(Zale)*
woodii (Grote, 1877) *(Homoptera)*

931050 *calycanthata* (Smith, 1797) *(Phalaena)* R -- -- -- -- E -- -- E ON -- -- -- -- -- --
NOTE: This species was reported from BC by early workers, but Blackmore (1923) noted that these reports refer to *Z. norda* (now *Z. minerea norda*). *Zale calycanthata* is strictly an eastern species (Lafontaine & Troubridge 2011). The MB record by Forbes (1954) (as "*Z. calycantha* race *colorado* (Smith)") refers to *Z. colorado*, now considered a separate species.
calycanthi (Hübner, 1823) *(Phaeocyma)*

931051 *colorado* (Smith, 1908) *(Phaeocyma)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: The MB record by Smith (1908) is the only known Canadian record. We accept it here as it was part of the type series. Forbes (1954) treated this taxon as a subspecies of *Z. calycanthata*.

931052 *unilineata* (Grote, 1876) *(Homoptera)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
purpureobrunnea Strand, 1917 *(Zale)*

931053 *horrida* Hübner, 1819 *(Zale)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS --

Euparthenos Grote, 1876

931055 *nubilis* (Hübner, 1823) *(Parthenos)* R -- -- -- -- -- -- -- -- ON QC -- -- U -- --
NOTE: The historical NB record by McIntosh (1899a) could not be verified.

a *nubilis* (Hübner, 1823) *(Parthenos)*
fasciata (Beutenmüller, 1907) *([unknown])*
unilineata Chermock & Chermock, 1940 *(Euparthenos)*

b *apache* (Poling, 1901) *(Parthenos)*

c *osiris* Barnes & Benjamin, 1926 *(Euparthenos)*

Amolita Grote, 1874

931060 *fessa* Grote, 1874 *(Amolita)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE

931061E *obliqua* Smith, 1903 *(Amolita)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: Riotte's (1992) ON record refers to *A. fessa*.

subfamily Eulepidotinae Grote, 1895

Metallata Möschler, 1890

931075E *absumens* (Walker, 1862) *(Thermesia)* E -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: A record of this species by the Natural History Society of Toronto (1883) from "Canada", as "*Antiblemma canalis* Grote", a synonym, is deemed erroneous, as no verified records are known from Canada. The record may refer to *Anticarsia gemmatalis*, which looks similar.
*canalis (*Grote, 1874) *(Antiblemma)*

Anticarsia Hübner, 1818

931077 *gemmatalis* Hübner, 1818 *(Anticarsia)* S -- -- -- -- -- -- -- U S S -- -- S S --
NOTE: No vouchers are known for the MB record by Brodie (1929), but this is a very distinctive species not likely to be misidentified. All Canadian records are considered strays from the south, although it appears every year in southern ON.

costalis (Walker, 1858) *(Thermesia)*
detrahens (Walker, 1858) *(Hypernaria)*
gemina (Maassen, 1890) *(Thermesia)*
gemmatilis of authors, [no date] *(Anticarsia)*
infumata (Felder & Rogenhofer, 1874) *(Thermesia)*
leucospila (Walker, 1865) *(Hypernaria)*
monstratura (Walker, 1858) *(Thermesia)*
spiloleuca (Walker, 1858) *(Plaxia)*
subducta (Walker, 1858) *(Plaxia)*
subsignata (Walker, 1858) *(Remigia)*

***Panopoda* Guenée, 1852**

931089 *rufimargo* (Hübner, 1818) *(Phoberia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
cressonii Grote, 1863 *(Panopoda)*
roseicosta Guenée, 1852 *(Panopoda)*
rubricosta Guenée, 1852 *(Panopoda)*

931090 *carneicosta* Guenée, 1852 *(Panopoda)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
combinata (Walker, 1858) *(Ophiusa)*
scissa (Walker, 1865) *(Poaphila)*

931091E *repanda* (Walker, [1858]) *(Siavana)* E -- -- -- -- -- -- -- -- E -- -- -- E -- --
NOTE: Reports of this species from Canada, from ON by Riotte (1992), and from NB by Lafontaine et al. (2001), are based on the frequent misidentification of the pale form of *P. rufimargo*. *Panopoda repanda* is not known to occur north of NC and KY.

80. Family EUTELLIIDAE Grote, 1882 (rolled-wing moths)

by B.C. Schmidt, J.D. Lafontaine, and J.T. Troubridge

Eutelliids are medium-sized moths, with wingspans of about 30 mm. The group is defined by internal abdominal structures. Adults usually have brightly coloured wings, and an unusual resting posture, with the wings rolled and held out from the body. The larvae of most Nearctic species feed on sumac (*Rhus* spp.) and poison ivy (*Toxicodendron* spp.).

Euteliids comprise a small group of moths with 520 species worldwide, mostly in arid regions of the tropics. Seventeen species occur in the Nearctic region, eight of which are reported from nNA.

subfamily Euteliinae Grote, 1882

***Marathyssa* Walker, 1865**

931103 *inficita* (Walker, 1865) *(Eutelia)* R -- -- -- -- BC AB U MB ON QC -- -- NB NS --
NOTE: The SK record by Crumb (1956) could not be verified.
histrio (Grote, 1873) *(Marasmalus)*

931104 *basalis* Walker, 1865 *(Marathyssa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
ventilator (Grote, 1872) *(Marasmalus)*

***Paectes* Hübner, 1818**

931106 *oculatrix* (Guenée, 1852) *(Ingura)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
occulatrix of authors, [no date] *(Ingura)*

931107 *pygmaea* Hübner, 1818 *(Paectes)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
flabella (Grote, 1879) *(Ingura)*

931108 *abrostolella* (Walker, 1866) *(Subrita)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Reported as new to Canada by Wormington (1995b).
praepilata (Grote, 1875) *(Ingura)*

931111 *abrostoloides* (Guenée, 1852) *(Ingura)* R -- -- -- -- -- -- -- -- ON -- -- -- -- NS --
delineata (Guenée, 1852) *(Ingura)*
producta (Walker, 1855) *(Edema)*

931115 *nubifera* Hampson, 1912 *(Paectes)* S -- -- -- -- -- -- -- -- -- S -- -- -- -- --

Eutelia Hübner, 1823

931118 *pulcherrimus* (Grote, 1865) *(Ripogenus)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
dentifera Walker, 1865 *(Eutelia)*

81. Family NOLIDAE Bruand, 1846 (tuft moths)

by B.C. Schmidt, J.D. Lafontaine, and J.T. Troubridge

Nolid moths are small to medium-sized moths (wingspans of 15 to 25 mm in North American species) that are united by a complex of internal structures that are not entirely consistent in all groups. Many Nearctic species have tufts of raised scales on the upper surfaces of the forewings, and the ocelli are usually absent. Adults of some species feed on mammal tears, and have been implicated in the transmission of diseases. Larvae of Nolidae feed on vascular plants or lichens.

Approximately 1740 species of nolids are known worldwide, primarily in the Old World tropics. In the Nearctic region, 39 species are known, 18 of which have been recorded from nNA.

subfamily Nolinae Bruand, 1846

Meganola Dyar, 1898

931121 *minuscula* (Zeller, 1872) *(Nola)* R -- -- -- -- BC -- SK MB ON QC -- -- NB NS --
a *minuscula* (Zeller, 1872) *(Nola)*
b *eucalyptula* (Dyar, 1923) *(Roeselia)*

931122 *phylla* (Dyar, 1898) *(Nola)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, first collected at Port Franks (ON) in 1995 by KS, and confirmed by JDL.

931123 *spodia* Franclemont, 1985 *(Meganola)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

931125E *fuscula* (Grote, 1881) *(Nola)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The unvouchered Hanham (1899) MB record was not reported on subsequent lists, and is deemed erroneous.

Nola Leach, 1815

931129E *pustulata* (Walker, 1865) *(Erastria)* E -- -- -- -- -- E -- E -- -- -- -- -- -- --
NOTE: Historical reports of this species in Canada are erroneous. The only known vouchers are in the UMB; they are misidentified *N. cilicoides*. True *N. pustulata* is restricted to southeastern USA.
nigrofasciata Zeller, 1872 *(Nola)*

931130 *cilicoides* (Grote, 1873) *(Argyrophyes)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
a *cilicoides* (Grote, 1873) *(Argyrophyes)* r -- -- -- -- -- -- -- u on qc -- -- nb ns --
b *eurypennis* (Dyar, 1923) *(Celama)* u -- -- -- -- u u u u -- -- -- -- -- -- --

931132 *triquetrana* (Fitch, 1856) *(Brachytaenia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
sexmaculata Grote, 1877 *(Nola)*
trinotata (Walker, 1866) *(Lebena)*

931133 *minna* Butler, 1881 *(Nola)* R -- -- NT -- BC AB -- -- -- -- -- -- -- -- --
hyemalis Stretch, 1885 *(Nola)*

931135 *ovilla* Grote, 1875 *(Nola)* R -- -- -- -- -- -- -- U ON QC -- -- -- -- --
NOTE: The MB record by Brodie (1929) could not be verified.

931136E *clethrae* Dyar, 1899 *(Nola)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: This species was reported from ON by Riotte (1992) but no vouchers are known and the record is deemed erroneous; the species is otherwise restricted to southeastern USA.

931139 *cucullatella* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

subfamily Chloephorinae Stainton, 1859

tribe Sarrothripini Hampson, 1894

Garella Walker, [1863]

931141 *nilotica* (Rogenhofer, 1881) *(Sarrothripa)*+ R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
albifascia (Draudt, 1939) *(Characoma)*

basibrunnea Warren, 1913 *(Garella)*
chamaeleon (Möschler, 1890) *(Paraxia)*
laurea (Druce, 1898) *(Thalpochares)*
littora (Bethune-Baker, 1894) *(Cletthara)*
nigrimacula Warren, 1913 *(Garella)*
nigrinotata Warren, 1913 *(Garella)*
proteella (Dyar, 1898) *(Nycteola)*
submediana Strand, 1917 *(Garella)*

***Nycteola* Hübner, 1822**
tax info: Rindge (1961b)

931142	*frigidana* (Walker, 1863) *(Tortrix)*	R	AK	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--	
	a *frigidana* (Walker, 1863) *(Tortrix)*	r	u	--	nt	--	bc	ab	sk	mb	on	qc	--	nf	nb	ns	--	
	favillana (Walker, 1863) *(Tortrix)*																	
	latifasciella (Walker, 1866) *(Subrita)*																	
	lintnerana (Speyer, 1875) *(Sarothripus)*																	
	b *britana* McDunnough, 1943 *(Nycteola)*	r	u	--	--	--	bc	--	--	--	--	--	--	--	--	--	--	
931143	*columbiana* (Edwards, [1874]) *(Sarrothripa)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
931144	*cinereana* Neumögen & Dyar, 1893 *(Nycteola)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--	
	NOTE: Historical records of the Palaearctic species *N. revayana* in NA refer to *N. cinereana*.																	
	revayana of authors (not Scopoli, 1772) *(Phalaena)*																	
931145	*metaspilella* (Walker, 1866) *(Subrita)*	R	--	--	--	--	--	--	--	--	ON	--	--	--	--	--	--	
	scriptana (Walker, 1863) *(Tortrix)*																	

subfamily Risobinae Mell, 1943

***Baileya* Grote, 1895**

931148	*doubledayi* (Guenée, 1852) *(Leptina)*	R	--	--	--	--	--	P	SK	MB	ON	QC	--	--	NB	NS	--	
931149	*ophthalmica* (Guenée, 1852) *(Leptina)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	--	NB	NS	--	
931150	*dormitans* (Guenée, 1852) *(Leptina)*	R	--	--	--	--	--	--	--	E	ON	QC	--	--	NB	--	--	
	NOTE: The MB record by Brodie (1929) is deemed erroneous; the only known voucher, in the UMB, is a misidentified *B. ophthalmica*. The species is otherwise not known to occur northwest of IA and southern ON.																	
	latebricola (Grote, 1863) *(Leptina)*																	
931152	*levitans* (Smith, 1906) *(Leptina)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
931154	*australis* (Grote, 1881) *(Leptina)*	R	--	--	--	--	--	--	--	--	ON	U	--	--	--	--	--	
	NOTE: The QC record by Handfield et al. (1997) and others is unconfirmed and questionable; this species is otherwise restricted in Canada to the Carolinian forest region of southern ON.																	

82. Family NOCTUIDAE Latreille, 1809 (owlet moths)

by B.C. Schmidt, J.D. Lafontaine, J.T. Troubridge, and G.R. Pohl

Owlet moths are primarily medium-sized to large, heavy-bodied moths, with wingspans ranging from 20 to 80 mm in NA species. The forewings are usually finely mottled or figured in browns and greys, and the hind wings are pale and more unicolourous. Most noctuid larvae are naked or clothed in fine, sparse hairs; a few are more densely hairy.

Most adults are nocturnal. Many feed on plant nectar, sap, and fermenting fruit. Some tropical species pierce thick-skinned fruits to feed on juices, and a few species use their piercing proboscis to suck blood from mammals. Noctuid larvae feed on a huge variety of plants. Many are stem and root borers. Others feed openly on leaves and stems, or eat fruits, buds, and flower heads. Included in the family are the cutworms, which rest in the soil during the day and emerge at night to feed on the bases of young plants or to climb higher to eat shrub and tree foliage.

The family Noctuidae, as defined by Zahiri et al. (2011), consists of about 11,800 described species. About 2520 species are recognized in the Nearctic region; 1190 are reported from nNA, and 10 more are expected, making it the most speciose family in the region. A world catalogue of Noctuidae was published

by Poole (1989). Other comprehensive works include Lafontaine & Poole (1991; Plusiinae), Poole (1995; Cuculliinae), Hardwick (1996; Heliothinae), and (Lafontaine 1987, 1998, 2004; Noctuinae). Crumb (1956) treated the larvae of many species.

subfamily Plusiinae Boisduval, [1828]

tax info: Lafontaine & Poole (1991)

tribe Abrostolini Eichlin & Cunningham, 1978

Abrostola Ochsenheimer, 1816

931161 *ovalis* Guenée, 1852 *(Abrostola)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

931162 *urentis* Guenée, 1852 *(Abrostola)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

tribe Argyrogrammatini Eichlin & Cunningham, 1978

Argyrogramma Hübner, 1823

931166 *verruca* (Fabricius, 1794) *(Noctua)* S -- -- -- -- -- -- -- -- S -- -- -- S -- --

omega Hübner, 1823 *(Argyrogramma)*
omicron (Hübner, 1821) *(Autographa)*
rutila (Walker, 1865) *(Plusia)*

Enigmogramma Lafontaine & Poole, 1991

931167 *basigera* (Walker, 1865) *(Plusia)* S -- -- -- -- -- -- -- -- S S -- -- -- -- --

laticlavia (Morrison, 1875) *(Plusia)*

Trichoplusia McDunnough, 1944

931168 *ni* (Hübner, [1803]) *(Noctua)* R -- -- -- -- BC M M M ON QC -- NF NB NS PE

NOTE: Records in the Prairie Provinces are deemed breeding migrants, as this species appears unable to survive the winters there.

brassicae (Riley, 1870) *(Plusia)*
comma (Schultz, 1907) *(Plusia)*
deserticola (Oberthür, 1913) *(Plusia)*
echinocystidis (Strecker, 1874) *(Plusia)*
extrahens (Walker, 1858) *(Plusia)*
florida (Dannehl, 1929) *(Plusia)*
humilis (Walker, 1858) *(Plusia)*
innata (Herrich-Schäffer, 1868) *(Plusia)*
significans (Walker, 1858) *(Plusia)*
u-notata (Strand, 1917) *(Phytometra)*

Ctenoplusia Dufay, 1970

931169 *oxygramma* (Geyer, 1832) *(Autographa)* S -- -- -- -- -- -- -- -- S S -- -- S -- --

collateralis (Herrich-Schäffer, 1868) *(Plusia)*
indigna (Walker, 1858) *(Plusia)*
parallela (Walker, 1858) *(Plusia)*

Chrysodeixis Hübner, 1821

Pseudoplusia McDunnough, 1944

931170 *includens* (Walker, [1858]) *(Plusia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

binotula (Herrich-Schäffer, 1868) *(Plusia)*
culta (Lintner, 1885) *(Plusia)*
dyaus (Grote, 1875) *(Plusia)*
hamifera (Walker, 1858) *(Plusia)*

oo (Stoll, 1782) *(Phalaena)*
ooana (Strand, 1917) *(Phytometra)*
pertusa (Möschler, 1880) *(Plusia)*

931171.1 *chalcites* (Esper, [1798]) *(Noctua)*+ R -- -- -- -- XI -- -- -- ON -- -- -- -- -- --
NOTE: This European species has established recently in ON (Murillo et al. 2013). It also was temporarily established near greenhouses in southwestern BC, but has since been extirpated there.

tribe Plusiini Boisduval, [1828]

subtribe Autoplusiina Kitching, 1987

Rachiplusia Hampson, 1913

931176 *ou* (Guenée, 1852) *(Plusia)* S -- -- -- -- -- -- -- S S S -- -- -- S --
fratella (Grote, 1874) *(Plusia)*
ouana (Strand, 1917) *(Phytometra)*
ouella (Strand, 1917) *(Phytometra)*
pedalis (Grote, 1875) *(Plusia)*
tenaculum (Guenée, 1852) *(Plusia)*

subtribe Euchalciina Chou & Lu, 1979

Allagrapha Franclemont, 1964

931177 *aerea* (Hübner, [1803]) *(Noctua)* R -- -- -- -- -- E E E ON QC -- -- NB NS --
NOTE: Early records of this species in western Canada refer to *Diachrysia aerioides*, a very similar species.

Diachrysia Hübner, 1821

931178 *aereoides* (Grote, 1864) *(Plusia)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
931179 *balluca* (Geyer, 1832) *(Dyachrysia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE

Euchalcia Hübner, 1821
Adeva McDunnough, 1944

931181 *borealis* Lafontaine & Poole, 1991 *(Euchalcia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This species is a BC endemic known globally only from two localities in northern BC.

Polychrysia Hübner, 1821

931182 *esmeralda* (Oberthür, 1880) *(Plusia)** R AK YT NT -- BC AB SK MB E -- -- -- -- -- --
NOTE: The ON record by Crumb (1956) is erroneous, this species is not known to occur east of MB. It has often been referred to in NA under the Palaearctic name *P. moneta*.
moneta of authors (not Fabricius, 1787) *(Plusia)*
trabea (Smith, 1895) *(Deva)*

Pseudeva Hampson, 1913

931184 *purpurigera* (Walker, 1858) *(Deva)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
931185 *palligera* (Grote, 1881) *(Deva)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
rubigera Hampson, 1913 *(Pseudeva)*

Chrysanympha Grote, 1896

931186 *formosa* (Grote, 1865) *(Leptina)* R -- -- -- -- -- AB SK MB ON QC LB NF NB NS --

Eosphoropteryx Dyar, 1902

931187 *thyatyroides* (Guenée, 1852) *(Plusia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

***Exyra* Grote, 1875**

931188 *fax* (Grote, 1873) *(Xanthoptera)* R -- -- -- -- -- -- P MB ON QC -- NF NB NS --
rolandiana Grote, 1877 *(Exyra)*

subtribe Plusiina Boisduval, [1828]

***Autographa* Hübner, 1821**
Phytometra Hampson, 1913

precationis group Lafontaine & Poole, 1991

931191 *precationis* (Guenée, 1852) *(Plusia)* R -- -- -- -- -- AB SK MB ON QC LB NF NB NS PE

californica group Lafontaine & Poole, 1991

931193 *californica* (Speyer, 1875) *(Plusia)* R AK -- -- -- BC AB SK MB ON -- -- -- -- -- --
russea (Edwards, 1886) *(Plusia)*

jota group Lafontaine & Poole, 1991

931194 *mappa* (Grote & Robinson, 1868) *(Plusia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
931195 *buraetica* (Staudinger, 1892) *(Plusia)** R AK YT NT -- BC -- -- -- -- -- -- -- -- -- --
gammoides (Speyer, 1875) *(Plusia)*
931196 *pseudogamma* (Grote, 1875) *(Plusia)* R AK YT U -- BC AB SK MB ON QC LB NF NB NS --
NOTE: The NT record by Blades & Pohl (2016b) is unverified.
freya (Strand, 1917) *(Phytometra)*
931197 *v-alba* Ottolengui, 1902 *(Autographa)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
931198 *speciosa* Ottolengui, 1902 *(Autographa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

bractea group Lafontaine & Poole, 1991

931200 *bimaculata* (Stephens, 1830) *(Plusia)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE
adapta (Strand, 1917) *(Phytometra)*
u-brevis (Guenée, 1852) *(Plusia)*
931201 *corusca* (Strecker, 1885) *(Plusia)* R AK -- -- -- BC -- -- -- -- QC -- -- -- -- --
931202E *labrosa* (Grote, 1875) *(Plusia)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The BC record by Anderson (1904) was removed by ESBC (1906).
931203 *metallica* (Grote, 1875) *(Plusia)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
kasloensis (Strand, 1917) *(Phytometra)*
lenzii (French, 1889) *(Plusia)*
scapularis (Edwards, 1882) *(Plusia)*
931204 *ampla* (Walker, [1858]) *(Plusia)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS PE
alterna (Strecker, 1885) *(Plusia)*

flagellum group Lafontaine & Poole, 1991

931206 *rubidus* Ottolengui, 1902 *(Autographa)* R -- YT -- -- BC AB SK MB ON QC -- NF NB NS PE
931207 *sansoni* Dod, 1910 *(Autographa)* R AK YT -- -- BC AB -- -- -- U -- -- U -- --
NOTE: Specimens in the CNC from QC and NB are likely mislabelled, this is otherwise a western Cordilleran species. However, other supposedly western species, such as *Anarta farnhami* and *Lasionycta perplexa* have been found recently much farther east than expected. We retain these eastern records as unconfirmed, pending discovery of more specimens.
931208 *flagellum* (Walker, [1858]) *(Plusia)* R -- -- U -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: The NT record by Blades & Pohl (2016b) is unverified.
insolita (Smith, 1895) *(Plusia)*
monodon (Grote, 1875) *(Plusia)*

Megalographa Lafontaine & Poole, 1991

931209 *biloba* (Stephens, 1830) *(Plusia)* M -- -- -- -- M M M M M M M M M M --
NOTE: This species cannot overwinter in Canada, but regularly strays northwards from the USA, and produces several broods here (Lafontaine & Poole 1991).
solida (Ottolengui, 1902) *(Autographa)*

Syngrapha Hübner, 1821

931210 *altera* (Ottolengui, 1902) *(Autographa)* R -- -- -- -- -- -- -- MB ON QC LB NF NB NS --
variana (Ottolengui, 1902) *(Autographa)*
931211 *ottolenguii* (Dyar, 1903) *(Autographa)* R AK -- -- -- -- -- -- -- -- -- -- -- -- -- --
arctica (Ottolengui, 1902) *(Autographa)*
931212 *octoscripta* (Grote, 1874) *(Plusia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
magnifica (Ottolengui, 1919) *(Autographa)*
931213 *viridisigma* (Grote, 1874) *(Plusia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
viridisignata (Grote, 1875) *(Plusia)*
931214 *selecta* (Walker, [1858]) *(Plusia)* R -- YT NT -- BC AB U MB ON QC LB NF NB NS --
NOTE: This species has often been confused with *S. viridisigma*. No confirmed SK vouchers are known, but this species probably occurs there in the northern boreal forest.
931215 *epigaea* (Grote, 1875) *(Plusia)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS PE
epigaella Strand, 1917 *(Syngrapha)*
931216 *interrogationis* (Linnaeus, 1758) *(Phalaena)** R AK YT NT NU BC AB SK MB -- QC LB NF U -- --
NOTE: The NB record by Belton (1988) was reported therein as uncertain, and no vouchers could be located.
aemula (Fabricius, 1787) *(Noctua)*
aurosignata (Donovan, 1808) *(Phalaena)*
borealis (Reuter, 1893) *(Plusia)*
conscripta (Hübner, 1790) *(Phalaena)*
flammifera Chou & Lu, 1979 *(Syngrapha)*
herschelensis (Benjamin, 1933) *(Autographa)*
norrlandica Schulte, 1956 *(Syngrapha)*
pyrenaica Hampson, 1913 *(Syngrapha)*
transbaikalensis (Staudinger, 1892) *(Plusia)*
zeta (Ottolengui, 1902) *(Autographa)*
931217 *u-aureum* (Guenée, 1852) *(Plusia)* R E -- E -- E -- E MB U QC LB NF NB -- --
NOTE: Historical records of this species in western Canada refer to *S. interrogationis*. It is not known west of Churchill, MB (Lafontaine & Poole 1991). No vouchers could be located to support the ON records by Riotte (1992) and others; they probably refer to *S. interrogationis* as well, although *S. u-aureum* could occur there.
arctica (Möschler, 1884) *(Plusia)*
groenlandica (Staudinger, 1857) *(Plusia)*
pallida (Ottolengui, 1902) *(Autographa)*
vaccinii (Edwards, 1886) *(Plusia)*
931218 *surena* (Grote, 1882) *(Plusia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS --
931219 *diasema* (Boisduval, 1828) *(Plusia)** R AK YT NT NU BC AB SK MB ON QC LB -- -- -- --
931220 *borea* (Aurivillius, 1890) *(Plusia)* R AK YT NT -- BC AB -- -- -- -- -- -- -- -- --
diversigna (Ottolengui, 1919) *(Autographa)*
lula (Strand, 1917) *(Autographa)*
931221 *orophila* (Hampson, 1908) *(Plusia)* R AK YT -- -- BC AB -- -- -- -- -- -- -- -- --
931222E *sackenii* (Grote, 1877) *(Plusia)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Historical records from AB are erroneous; all AB material examined has proven to be *S. borea* (Lafontaine & Poole, 1991).
snowii (Edwards, 1884) *(Plusia)*
931223 *ignea* (Grote, 1863) *(Plusia)* R AK YT NT -- BC AB SK -- U QC LB -- -- -- --
NOTE: The ON record by Riotte (1992) is probably based on the record by Eichlin & Cunningham (1978), in the far north of the province. The ON record was not repeated by Lafontaine & Poole (1991). If vouchers exist, they probably reside in a collection in the USA. This species has been referred to on historical lists under the Old World name *S. hochenwarthi*, which is strictly Palaearctic.
hochenwarthi of authors (not Hochenwarth, 1785) *(Phalaena)*
simulans (McDunnough, 1944) *(Caloplusia)*
931224 *abstrusa* Eichlin & Cunningham, 1978 *(Syngrapha)* R -- -- -- -- BC AB P MB ON QC -- NF NB NS --
931225 *alias* (Ottolengui, 1902) *(Autographa)* R AK YT NT -- BC AB SK MB ON QC P NF NB NS PE
interalia (Ottolengui, 1919) *(Autographa)*

931226 *cryptica* Eichlin & Cunningham, 1978 *(Syngrapha)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE

931227 *rectangula* (Kirby, 1837) *(Plusia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
demaculata Strand, 1917 *(Syngrapha)*
mortuorum (Guenée, 1852) *(Plusia)*
nargenta (Ottolengui, 1919) *(Autographa)*

931228 *angulidens* (Smith, 1891) *(Plusia)* R AK YT -- -- BC AB -- -- -- -- -- -- -- E --
NOTE: Report of this species from NS (and NH) by Forbes (1954), as *S. excelsa*, a synonym, is based on mislabelled or misidentified material.
alta (Ottolengui, 1919) *(Autographa)*
excelsa (Ottolengui, 1902) *(Autographa)*
excelsana Strand, 1917 *(Syngrapha)*
plusioides Strand, 1917 *(Syngrapha)*

931229 *celsa* (Edwards, 1881) *(Plusia)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
alterna Strand, 1917 *(Syngrapha)*
sierrae (Ottolengui, 1919) *(Autographa)*

931230 *microgamma* (Hübner, 1823) *(Noctua)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
incompleta (Reuter, 1893) *(Plusia)*
nearctica Ferguson, 1955 *(Syngrapha)*
nigroviolacea (Rangnow, 1935) *(Phytometra)*

931231 *montana* (Packard, 1869) *(Plusia)* R AK -- -- -- -- EP SK MB ON QC LB NF NB NS --
NOTE: Previous records of this species in AB are based on misidentifications of *S. microgamma*, but the species is expected there (Pohl et al. 2010).

931232 *alticola* (Walker, [1858]) *(Plusia)* R AK YT NT NU BC AB U MB ON QC LB NF -- -- --
NOTE: The SK record by Eichlin & Cunningham (1978) was repeated by Hooper (1990b) but was not cited by Lafontaine & Poole (1991). Historical records of the Old World species *S. devergens* in NA refer to *S. alticola*.
devergens of authors (not Hübner, 1813) *(Noctua)*

931233 *parilis* (Hübner, [1809]) *(Noctua)** R AK YT NT NU BC AB -- MB ON QC LB -- -- -- --
quadriplaga (Walker, 1858) *(Plusia)*

Anagrapha McDunnough, 1944

931234 *falcifera* (Kirby, 1837) *(Plusia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
falcigera Walker, 1858 *(Anagrapha)*
norma (Hübner, 1821) *(Autographa)*
simplex (Guenée, 1852) *(Plusia)*
simplicima (Ottolengui, 1902) *(Autographa)*

Plusia Ochsenheimer, 1816

931235 *venusta* Walker, 1865 *(Plusia)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
striatella Grote, 1873 *(Plusia)*

931236 *putnami* Grote, 1873 *(Plusia)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Perrin & Russell (1912) listed this species from NS as a variety of the European species *P. festucae* (Linnaeus).
barbara (Warren, 1913) *(Phytometra)*
conjuncta Matsumura, 1978 *(Plusia)*
festata Graeser, 1890 *(Plusia)*
gracilis (Lempke, 1966) *(Autographa)*
major (Chou & Lu, 1979) *(Chrysaspidia)*
punctistigma (Strand, 1917) *(Phytometra)*
yokohamensis (Bryk, 1949) *(Phytometra)*

931237 *nichollae* (Hampson, 1913) *(Phytometra)* R AK -- -- -- BC -- -- -- -- -- -- -- -- --
mendocinensis (McDunnough, 1938) *(Autographa)*

931238 *magnimacula* Handfield & Handfield, 2006 *(Plusia)* R -- -- -- -- P AB P MB ON QC LB -- NB -- --

931239 *contexta* Grote, 1873 *(Plusia)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS --

subfamily Bagisarinae Crumb, 1956

Bagisara Walker, 1858
tax info: Ferguson (1997)

931241 *rectifascia* (Grote, 1874) *(Schinia)* R -- -- -- -- -- -- -- MB P P -- -- -- -- --

Amyna Guenée, 1852

931252 *bullula* (Grote, 1873) *(Pteraetholix)* XI -- -- -- -- -- -- -- -- -- XI -- -- -- -- --
NOTE: This species is a rare migrant to the southern USA, typically arriving there in the fall. The sole QC specimen in the CNC was collected at Beauport (QC) on 4 June 1990 by R. Giroux. It is assumed to be mislabelled or a human introduction, as it was collected too early in the season to be a stray arriving of its own accord. It is hereby excluded from the Canadian fauna.

concolorata Barnes & Benjamin, 1924 *(Amyna)*
imprimata (Möschler, 1890) *(Mesostrosta)*
mexicana Strand, 1917 *(Amyna)*

931253 *stricta* (Walker, 1858) *(Poaphila)* S -- -- -- -- -- -- -- -- S S -- -- -- -- --
NOTE: Historical records of the Old World species *A. octo* (and its synonym *A. axis* Guenée) on ON and QC checklists refers to *A. stricta*.

flavigutta (Walker, 1858) *(Celaena)*
octo of authors (not Guenée, 1852) *(Perigea)*
orbica (Morrison, 1875) *(Segetia)*
tecta (Grote, 1876) *(Chytoryza)*

subfamily Eustrotiinae Grote, 1882

Tripudia Grote, 1877

931261 *rectangula* Pogue, 2009 *(Tripudia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: An ON specimen collected at Port Franks (ON) by KS is the sole Canadian record of this species. It was identified via DNA barcode, and verified by JDL.

Cobubatha Walker, 1863

931277 *dividua* (Grote, 1879) *(Eustrotia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
opiparus (Edwards, 1881) *(Oribates)*

Marimatha Walker, [1866]

931284 *nigrofimbria* (Guenée, 1852) *(Xanthoptera)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Known in Canada from specimens collected recently at Selkirk (ON) by JTT.

Deltote R. L., 1817

931289 *bellicula* (Hübner, 1818) *(Lithacodia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
furcata (Walker, 1858) *(Bankia)*
semichalcea (Walker, 1865) *(Hydrelia)*

Protodeltote Ueda, 1984

931290 *muscosula* (Guenée, 1852) *(Erastria)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
931291 *albidula* (Guenée, 1852) *(Erastria)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE
cretiferana (Walker, 1863) *(Conchylis)*
intractabilis (Walker, 1860) *(Nonagria)*

Lithacodia (prov. plcmt.) Hübner, 1818

931292 *musta* (Grote & Robinson, 1868) *(Erastria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: Known in Canada from specimens collected recently at Port Franks (ON) by KS, and Norfolk County (ON) by JTT.

Maliattha Walker, 1863

931295 *synochitis* (Grote & Robinson, 1868) *(Erastria)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS PE
931296 *concinnimacula* (Guenée, 1852) *(Leptosia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
parvimacula (Grote, 1880) *(Eustrotia)*

Capis Grote, 1882
tax info: Handfield & Handfield (2006)

931297 *curvata* Grote, 1882 *(Capis)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
931298 *archaia* Handfield & Handfield, 2006 *(Capis)* R -- -- -- -- -- -- -- -- P QC -- -- -- -- --

subfamily Acontiinae Guenée, 1841
tax info: Lafontaine & Poole (2010) (genera)

tribe Acontiini Guenée, 1841

Ponometia Herrich-Schäffer, 1868
Conocharis McDunnough, 1943
Tarachidia Hampson, 1898

931308 *semiflava* (Guenée, 1852) *(Xanthoptera)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
931312 *virginalis* (Grote, 1881) *(Tarache)* R -- -- -- -- -- AB SK U -- -- -- -- -- -- --
NOTE: The MB record by Troubridge & Lafontaine (2003) could not be verified.
tenuescens (Smith, 1902) *(Acontia)*
931313 *binocula* (Grote, 1875) *(Tarache)* R -- -- -- -- U AB SK MB ON -- -- -- -- -- --
NOTE: A BC record by Poole (2016) has not been confirmed.
931314 *candefacta* (Hübner, [1831]) *(Tarache)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --
candefactella (Strand, 1916) *(Tarachidia)*
debilis (Walker, 1858) *(Acontia)*
haworthana (Westwood, 1851) *(Micra)*
neomexicana (Smith, 1900) *(Acontia)*
931319 *erastrioides* (Guenée, 1852) *(Acontia)* R -- -- -- -- -- -- SK U ON QC -- -- NB NS --
NOTE: The MB record by Hanham (1899) could not be verified.
931326 *tortricina* (Zeller, 1872) *(Agrophila)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
deleta (Edwards, 1884) *(Fruva)*
modesta (Edwards, 1884) *(Fruva)*
obsoleta (Grote, 1877) *(Fruva)*
931327E *fumata* (Smith, 1905) *(Spragueia)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The BC record by Pohl et al. (2015b) is based on a misidentification; BC specimens have been redetermined as *P. nigra* by JDL.
931328 *nigra* (Mustelin, 2006) *(Tarachidia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
NOTE: New for Canada, based on three specimens collected at Hedley (BC) (see note for *P. fumata* above).
931329 *fasciatella* (Grote, 1875) *(Spragueia)* R -- -- -- -- -- E -- MB -- -- -- -- -- -- --
NOTE: Dod's (1906) erroneous AB record was pointed out in a later supplement (Dod 1913).
931332E *acutus* (Smith, 1905) *(Conochares)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Erroneous AB record by Dod (1915) and Bowman (1919).
931334 *elegantula* (Harvey, 1876) *(Thalpochares)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
arizonae (Edwards, 1878) *(Thalpochares)*
interruptus (Smith, 1905) *(Conochares)*
rectangula (McDunnough, 1943) *(Conochares)*
seminivealis (Hulst, 1886) *(Orobena)*
semiopaca (Grote, 1878) *(Tarache)*
931339 *sutrix* (Grote, 1880) *(Tarache)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

Tarache Hübner, 1823

931343 *aprica* (Hübner, [1808]) *(Noctua)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
alboater (Haworth, 1809) *(Noctua)*
apricana (Strand, 1916) *([unknown])*

apricanoides (Strand, 1916) *([unknown])*
apricella (Strand, 1916) *([unknown])*
biplaga (Guenée, 1852) *(Acontia)*
redita (Felder & Rogenhofer, 1874) *(Acontia)*
unocula (Freyer, 1849) *(Acontia)*

931351 *terminimaculata* Grote, 1873 *(Tarache)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
pulchella Grote, 1874 *(Tarache)*

931356 *areli* (Strecker, 1898) *(Acontia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
monstrosa (Strand, 1916) *([unknown])*

931365 *augustipennis* Grote, 1875 *(Tarache)* R -- -- NT -- BC AB SK MB -- -- -- -- -- -- --
angustipennis Grote, 1877 *(Tarache)*
flavicosta (Smith, 1900) *(Conacontia)*

931371 *major* (Smith, 1900) *(Acontia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Acontia Ochsenheimer, 1816

931375E *cretata* (Grote & Robinson, 1870) *(Tarache)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) is assumed to refer to *Ponometia binocula*; *A. cretata* is not known to occur north of southwestern USA.

Spragueia Grote, 1875

931387 *leo* (Guenée, 1852) *(Agrophila)* R -- -- -- -- -- -- P MB ON -- -- -- -- -- --

931392E *margana* (Fabricius, 1794) *(Pyralis)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Hanham (1899), as *S. inornata*, a synonym, is assumed to refer to *S. leo*.
inornata Grote, 1882 *(Spragueia)*

subfamily Pantheinae Smith, 1898

Panthea Hübner, 1820
tax info: Anweiler (2009)

931395 *gigantea* (French, 1890) *(Platycerura)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

931396 *furcilla* (Packard, 1864) *(Platycerura)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *furcilla* (Packard, 1864) *(Platycerura)* r -- -- -- -- bc ab sk mb on qc -- -- nb ns pe
atrescens McDunnough, 1942 *(Panthea)*
centralis McDunnough, 1942 *(Panthea)*
pallescens McDunnough, 1937 *(Panthea)*
b *australis* Anweiler, 2009 *(Panthea)*

931398 *acronyctoides* (Walker, 1861) *(Audela)* R -- -- U NU BC AB SK MB ON QC LB NF NB NS PE
NOTE: The NT record by Prentice (1962) could not be verified.
a *acronyctoides* (Walker, 1861) *(Audela)* r -- -- u nu bc ab sk mb on qc lb nf nb ns pe
albosuffusa McDunnough, 1937 *(Panthea)*
leucomelana Morrison, 1875 *(Panthea)*
b *nigra* Anweiler, 2009 *(Panthea)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

931399 *virginarius* (Grote, 1880) *(Biston)* R AK -- -- -- BC AB SK E -- -- -- -- -- E --
NOTE: The MB record by Brodie (1929) is erroneous, this species does not occur east of the Cypress Hills in southwestern SK (Anweiler 2009). The NS record by Perrin & Russell (1912), as *P. portlandia*, a synonym, is hereby deemed erroneous. It was based on a single specimen from McNabs Island, (NS) that was determined with some uncertainty by J.B. Smith, who recognized that it was far from the range of other *P. virginarius* records.
angelica (Dyar, 1921) *(Diphthera)*
portlandia Grote, 1896 *(Panthea)*
suffusa McDunnough, 1942 *(Panthea)*

Colocasia Ochsenheimer, 1816

931400 *flavicornis* (Smith, 1884) *(Demas)* R -- -- -- -- E P SK MB ON QC -- -- NB NS --
NOTE: Historical BC records refer to *C. propinquilinea*; *C. flavicornis* is not known west of SK.
electa (Smith, 1911) *(Demas)*
infanta (Smith, 1911) *(Demas)*

931401 *propinquilinea* (Grote, 1873) *(Charadra)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

Charadra Walker, 1865
tax info: Schmidt & Anweiler (2010b)

931406 *deridens* (Guenée, 1852) *(Diphtera)* R -- -- -- -- E -- SK MB ON QC -- -- NB NS PE
NOTE: The report of this species "from NS to BC (not yet recorded from AB)" by Schmidt & Anweiler (2010b) is incorrect; the species occurs in eastern Canada only as far west as southeastern SK (GRP, *in litt.*). Other reports from BC (Cannings & Scudder 2007; Powell & Opler 2009) are also incorrect.
circulifera (Walker, 1857) *(Acronycta)*
contigua Walker, 1865 *(Charadra)*
corylina (Martyn, 1797) *(Phalaena)*
fumosa Draudt, 1924 *(Charadra)*
ingenua Smith, 1906 *(Charadra)*
nigrosuffusana Strand, 1917 *(Charadra)*
sudena Smith, 1908 *(Charadra)*

subfamily Raphiinae Beck, 1996
tax info: Schmidt & Anweiler (2014)

Raphia Hübner, 1821

931412 *frater* Grote, 1864 *(Raphia)* R -- -- -- -- BC AB SK MB ON QC LB -- NB NS PE
a *frater* Grote, 1864 *(Raphia)* r -- -- -- -- bc ab sk mb on qc lb -- nb ns pe
personata (Walker, 1865) *(Saligena)*
b *abrupta* Grote, 1864 *(Raphia)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --
flexuosa (Walker, 1865) *(Certila)*
c *piazzi* Hill, 1927 *(Raphia)*
d *coloradensis* Putnam-Cramer, 1886 *(Raphia)* r -- -- -- -- bc ab p -- -- -- -- -- -- -- --
pallula Edwards, 1886 *(Raphia)*
e *cinderella* Smith, 1903 *(Raphia)*
f *elbea* Smith, 1908 *(Raphia)*

subfamily Balsinae Grote, 1896

Balsa Walker, 1860

931417 *malana* (Fitch, 1856) *(Brachytaenia)* R -- -- -- -- -- -- E E ON QC -- -- NB NS --
NOTE: Historical records from SK and MB are erroneous; vouchers have been redetermined as *B. labecula*.
leodura (Staudinger, 1887) *(Nola)*
obliquifera Walker, 1860 *(Balsa)*
931418 *tristrigella* (Walker, 1866) *(Gargaza)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
zelleri (Grote, 1873) *(Asisyra)*
931419 *labecula* (Grote, 1880) *(Nolaphana)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS --

subfamily Acronictinae Harris, 1841

Acronicta Ochsenheimer, 1816
Merolonche Grote, 1882
Simyra Ochsenheimer, 1816

931420 *rubricoma* (Guenée, 1852) *(Acronycta)* R -- -- -- -- -- -- -- MB ON QC -- NF -- -- --
931421 *americana* (Harris, 1841) *(Apatela)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
a *americana* (Harris, 1841) *(Apatela)* r -- -- -- -- -- -- u u on qc -- nf nb ns pe
acericola (Guenée, 1852) *(Acronycta)*
b *obscura* (Edwards, 1886) *(Apatela)*
c *eldora* (Smith, 1905) *(Acronycta)* r -- -- -- -- -- ab u u -- -- -- -- -- -- --
931422 *hastulifera* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- -- -- E ON EP -- -- -- -- --
NOTE: This species was confirmed for southern ON in 2017. The erroneous QC record by Handfield (1999) was pointed out by Handfield (2011), but the species is expected there. The MB record by Heath (1904) is unsupported by vouchers and assumed to be erroneous.

931423 *insita* (Walker, 1856) *(Acronycta)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This species was described from Orillia (ON), but it has not been mentioned in Canadian works for over a century. Its status as a biological species is uncertain.

incita of authors, [no date] *(Acronicta)*

a *insita* (Walker, 1856) *(Acronycta)* r -- -- -- -- -- -- -- -- on -- -- -- -- -- --

b *denvera* (Smith, 1905) *(Acronycta)*

931424 *dactylina* (Grote, 1874) *(Acronycta)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: The first record for AK (Wrangell Island) was documented in 2017 by S. Wise-Eagle (iNaturalist.org, photo #10462698).

hesperida (Smith, 1897) *(Acronycta)*

931425 *lepusculina* (Guenée, 1852) *(Acronycta)* R -- -- -- -- BC AB SK MB ON QC LB U NB NS PE
NOTE: The NF record by Krogerus (1954) is based on larvae; no adults have been collected there and the record is considered unverified.

a *lepusculina* (Guenée, 1852) *(Acronycta)*
canadensis (Smith & Dyar, 1898) *(Acronycta)*
chionochroa (Hampson, 1909) *(Acronycta)*
cinderella (Smith, 1897) *(Acronycta)*
cretata (Smith, 1897) *(Acronycta)*
populi (Riley, 1870) *(Acronycta)*
similana (Smith, 1905) *(Acronycta)*
tonitra (Smith, 1908) *(Acronycta)*
transversata (Smith, 1897) *(Acronycta)*

b *felina* (Grote, 1879) *(Apatela)*
frigida (Smith, 1897) *(Acronycta)*
pacifica (Smith, 1897) *(Acronycta)*

931426 *cyanescens* (Hampson, 1909) *(Acronycta)* R -- YT -- -- BC AB -- -- E -- -- -- -- -- --
NOTE: Records of this species in ON are erroneous; it is restricted to the West.

amicora (Smith, 1911) *(Acronycta)*
metra (Smith, 1911) *(Acronycta)*
turpis (Smith, 1911) *(Acronycta)*

931427 *vulpina* (Grote, 1883) *(Apatela)* R AK -- NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical records of the Palaearctic species *A. leporina* in NA refer to *A. vulpina*.

a *vulpina* (Grote, 1883) *(Apatela)*
leporina of authors (not Linnaeus, 1758) *(Phalaena)*
sancta (Edwards, 1888) *(Apatela)*

b *cretatoides* (Benjamin, 1935) *(Apatela)*

c *moesta* (Dyar, 1904) *(Apatela)*

d *cassinoi* (Barnes & Benjamin, 1926) *(Apatela)*

931428 *innotata* (Guenée, 1852) *(Acronycta)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
graefii (Grote, 1864) *(Diphthera)*
griseor (Dyar, 1904) *(Apatela)*

931430 *radcliffei* (Harvey, 1875) *(Apatela)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

a *radcliffei* (Harvey, 1875) *(Apatela)* r -- -- -- -- u ab sk mb on qc -- nf nb ns --

b *vancouverensis* Strand, 1916 *(Acronicta)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

931432 *tritona* (Hübner, 1818) *(Triaena)* R -- -- -- -- -- AB -- MB ON QC LB -- NB NS --

931433 *grisea* (Walker, 1856) *(Acronycta)* R -- -- NT -- BC AB SK MB ON QC LB NF NB NS PE

a *grisea* (Walker, 1856) *(Acronycta)*
pudorata (Morrison, 1875) *(Acronycta)*
tartarea (Smith, 1903) *(Acronycta)*

b *revellata* (Smith, 1897) *(Acronycta)*

931434 *falcula* (Grote, 1877) *(Apatela)* R -- -- -- -- -- E -- MB ON -- -- -- -- -- --
NOTE: The AB record by Pohl et al. (2010) is erroneous, based on misidentified *A. mansueta*; *A. falcula* occurs only as far west as MB (Pohl et al. 2013).

931434.1 *parallela* (Grote, 1879) *(Apatela)* U -- -- -- -- -- -- P U -- -- -- -- -- -- --
NOTE: The MB record of this species by Hanham (1899) is unverified. Other unpublished reports of this species in Canada are erroneous, based on a previous taxonomic concept, although the species could occur in southern MB and southeastern SK as it is known from adjacent parts of the USA.

931434.2 *mansueta* (Smith, 1897) *(Acronycta)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

931436 *connecta* (Grote, 1873) *(Acronycta)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

a *connecta* (Grote, 1873) *(Acronycta)* r -- -- -- -- -- -- -- -- on qc -- -- -- -- --

b *albina* McDunnough, 1940 *(Acronicta)*

931438 *funeralis* (Grote & Robinson, 1866) *(Acronycta)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
fuscalis Barnes & Benjamin, 1924 *(Acronicta)*

931441 *quadrata* (Grote, 1874) *(Acronycta)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --

931442 *vinnula* (Grote, 1864) *(Microcoelia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
percolens Franclemont, 1938 *(Acronicta)*

931442.1 *fallax* (Herrich-Schäffer, 1854) *(Diphthera)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
geminata (Smith, 1903) *(Moma)*

931443 *superans* (Guenée, 1852) *(Acronycta)* R -- -- -- -- BC AB SK MB ON QC E NF NB NS PE
NOTE: The LB record by The Lepidopterists' Society (2006) is erroneous; it refers to a location in NF.
superba Franclemont, 1938 *(Acronicta)*

931444 *laetifica* (Smith, 1897) *(Acronycta)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --

931445 *hasta* (Guenée, 1852) *(Acronycta)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
furcifera (Guenée, 1852) *(Acronycta)*
manitoba (Smith, 1897) *(Acronycta)*
telum (Guenée, 1852) *(Acronycta)*
wanda (Buchholz, 1917) *(Acronycta)*

931447 *strigulata* (Smith, 1897) *(Acronycta)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

931452 *spinigera* (Guenée, 1852) *(Acronycta)* R -- -- -- -- -- -- SK MB ON QC -- -- NB -- --
harveyana (Grote, 1875) *(Apatela)*

931453 *morula* (Grote & Robinson, 1868) *(Acronycta)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
columboides Franclemont, 1938 *(Acronicta)*
ulmi (Harris, 1869) *(Acronycta)*

931454 *interrupta* (Guenée, 1852) *(Acronycta)* R -- -- -- -- E AB SK MB ON QC -- NF NB NS PE
NOTE: This species was reported from BC in error by Jones (1951); it does not occur west of AB.
elisabeta (Smith, 1907) *(Acronycta)*
elizabeta Barnes & McDunnough, 1917 *(Acronicta)*
occidentalis (Grote & Robinson, 1866) *(Acronycta)*
sagittaria (Harris, 1869) *(Acronycta)*

931455 *lobeliae* (Guenée, 1852) *(Acronycta)* R -- -- -- -- -- -- SK U ON QC -- -- NB NS --
NOTE: Historical MB records could not be verified.
grotei (Butler, 1893) *(Acronycta)*

931458 *fragilis* (Guenée, 1852) *(Microcoelia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

a *fragilis* (Guenée, 1852) *(Microcoelia)* r -- -- -- -- -- -- -- u on qc -- nf nb ns --
atrior Franclemont, 1938 *(Acronicta)*
spectans (Walker, 1861) *(Bryophila)*

b *minella* (Dyar, 1898) *(Apatela)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

c *fragiloides* (Barnes & Benjamin, 1924) *(Apatela)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

931459 *heitzmani* Covell & Metzler, 1992 *(Acronicta)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC, confirmed recently by BCS.

931460 *clarescens* (Guenée, 1852) *(Acronycta)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
centriferruginea Strand, 1916 *(Acronicta)*
prunata (Barnes & Benjamin, 1924) *(Apatela)*
pruni (Harris, 1869) *(Acronycta)*
smithii (Butler, 1893) *(Acronycta)*

931461 *hamamelis* (Guenée, 1852) *(Acronycta)* R -- -- -- -- -- -- -- U ON QC -- -- -- NS --
NOTE: Historical MB records could not be verified.
guyasuta (Chermock & Chermock, 1940) *(Apatela)*
subochrea (Grote, 1874) *(Acronycta)*

931462 *albarufa* (Grote, 1874) *(Acronycta)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --
walkeri (Andrews, 1877) *(Acronycta)*

931463 *ovata* (Grote, 1873) *(Acronycta)* R -- -- -- -- E -- -- E ON QC -- -- -- E --
NOTE: This species is very similar to several other species in the *increta* species group; historical records from BC, MB, and NS are all assumed to be based on misidentifications. No verified records are known in Canada outside of southern ON and QC.

931464 *exilis* (Grote, 1874) *(Acronycta)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --

931465 *modica* (Walker, 1856) *(Acronycta)* R -- -- -- -- -- -- -- E ON QC -- -- -- -- --
NOTE: The unvouchered MB record by Heath (1904) is assumed to be erroneous.

931466 *haesitata* (Grote, 1882) *(Apatela)* R -- -- -- -- -- -- -- E ON QC -- -- E E --
NOTE: Historical records from MB, NB, and NS are assumed to be erroneous; no verified records are known outside of southern ON and QC in Canada (BCS, unpublished data).

931467 *increta* (Morrison, 1874) *(Acronycta)* R -- -- E -- -- -- SK MB ON QC -- -- NB NS PE
NOTE: The NT record by Troubridge & Lafontaine (2003) could not be verified and is highly doubtful so it is deemed erroneous.

931468 *inclara* (Smith, 1900) *(Acronycta)* R -- -- -- -- -- -- SK MB ON QC -- -- -- NS --
NOTE: This species is doubtfully distinct from *A. increta*.
inconstans (Smith, 1911) *(Acronycta)*
931469 *tristis* (Smith, 1911) *(Acronycta)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
931470 *retardata* (Walker, 1861) *(Microcoelia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
caesarea Smith, 1905 *(Acronicta)*
dissecta (Grote & Robinson, 1870) *(Acronycta)*
931471 *afflicta* (Grote, 1864) *(Acronycta)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
dolens (Druce, 1889) *(Acronycta)*
schmalzriedi Lemmer, 1937 *(Acronicta)*
931472E *brumosa* (Guenée, 1852) *(Acronycta)* E -- -- -- -- -- -- -- -- -- -- E -- -- E E --
NOTE: The NB record by McIntosh (1904), NS record by Perrin & Russell (1912), and QC record by Winn (1912) are all erroneous; this species is restricted to southern USA. These records likely refer to *A. impressa*, according to Handfield et al. (1997).
931473 *marmorata* (Smith, 1897) *(Acronycta)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: Crumb's (1956) MB record is assumed to be erroneous, this species is not known to occur east of BC.
931474 *impleta* (Walker, 1856) *(Acronycta)* R -- -- -- -- BC AB SK MB ON QC LB -- NB NS PE
a *impleta* (Walker, 1856) *(Acronycta)*
krautwormi (Chermock, 1927) *([unknown])*
luteicoma (Grote & Robinson, 1870) *(Acronycta)*
b *illita* (Smith, 1897) *(Acronycta)*
931475 *sperata* (Grote, 1873) *(Acronycta)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
a *sperata* (Grote, 1873) *(Acronycta)* r -- -- -- -- -- -- -- -- on qc -- -- nb ns --
b *speratina* (Smith, 1905) *(Acronycta)* r -- -- -- -- -- ab sk mb u u -- -- -- -- --
931476 *noctivaga* (Grote, 1864) *(Acronycta)* R -- -- -- -- -- -- P MB ON QC -- -- NB NS PE
931477 *impressa* (Walker, 1856) *(Acronycta)* R P YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: The record of the Palaearctic species *A. auricoma* (Fabricius) from NF by Morris (1980) refers to *A. impressa*.
acla (Benjamin, 1933) *(Apatela)*
alpina (Freyer, 1858) *(Acronycta)*
distans (Grote, 1879) *(Apatela)*
dolorosa (Dyar, 1904) *(Acronycta)*
emaculata (Smith, 1897) *(Acronycta)*
fasciata (Walker, 1856) *(Acronycta)*
lemmeri (Chermock & Chermock, 1940) *([unknown])*
pyhaevaarae (Hoffman, 1893) *(Acronycta)*
scintillans Franclemont, 1938 *(Acronicta)*
similis (Haworth, 1809) *(Noctua)*
verrilli Franclemont & Todd, 1983 *(Acronicta)*
verrillii (Grote & Robinson, 1870) *(Acronycta)*
931477.1 *menyanthidis* (Esper, 1789) *(Phalaena)** R AK -- -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: This is a recent discovery in NA, reported by Ferris et al. (2012).
931478 *longa* (Guenée, 1852) *(Acronycta)* R -- -- -- -- -- AB SK MB ON QC -- U NB NS --
NOTE: Morris (1980) reports this species from St. Anthony (NF) but vouchers have not been located.
pallidicoma (Grote, 1878) *(Apatela)*
set (Barnes & Benjamin, 1927) *([unknown])*
xyliniformis (Guenée, 1852) *(Acronycta)*
xylinoides (Guenée, 1852) *(Acronycta)*
931480 *lithospila* (Grote, 1874) *(Acronycta)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
931482 *perdita* (Grote, 1874) *(Acronycta)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --
931485 *oblinita* (Smith, 1797) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- U NB NS PE
NOTE: The Prentice (1962) NF record could not be verified.
arioch (Strecker, 1898) *(Acronycta)*
insolita (Grote, 1873) *(Acronycta)*
salicis (Harris, 1869) *(Acronycta)*
931488 *lanceolaria* (Grote, 1875) *(Apatela)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
931489 *lupini* (Grote, 1873) *(Acronycta)* R AK YT NT -- BC AB -- MB -- QC LB NF -- -- --
NOTE: Hooper (1991a) listed this species as probable in SK, but that is not realistic for this arctic-alpine species.
atlinensis (Barnes & Benjamin, 1926) *(Merolonche)*
lupina McDunnough, 1938 *(Acronicta)*
ursina (Smith, 1898) *(Merolonche)*
ursini Smith, 1911 *(Acronicta)*

931492E *dolli* (Barnes & McDunnough, 1918) *(Merolonche)* EP -- -- -- -- -- -- -- -- P -- -- -- E -- --
NOTE: The NB record by Forbes (1954) could not be verified and is considered erroneous; the species is not expected farther north than southern ON.

931493 *insularis* (Herrich-Schäffer, 1868) *(Tapinostola)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
NOTE: The Old World name *A. albovenosa* (Goeze) was used by Hanham (1899) and McIntosh (1904) for *A. insularis* in NA.

a *insularis* (Herrich-Schäffer, 1868) *(Tapinostola)*
evanida (Grote, 1873) *(Leucania)*
fumosum (Morrison, 1874) *(Ablepharon)*
henrici (Grote, 1873) *(Leucania)*

b *julitae* (Benjamin, 1933) *(Ommatostolidea)*

***Polygrammate* Hübner, 1818**

931497 *hebraeicum* Hübner, 1818 *(Polygrammate)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
hebraea (Guenée, 1852) *(Grammophora)*

***Harrisimemna* Grote, 1873**

931498 *trisignata* (Walker, 1856) *(Grammophora)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
sexguttata (Harris, 1869) *(Notodonta)*

***Comachara* Franclemont, 1939**

931499 *cadburyi* Franclemont, 1939 *(Comachara)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New Canadian record based on material collected recently in southern ON by JTT.

***Cerma* Hübner, 1818**

931500 *cora* Hübner, 1818 *(Cerma)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
festa (Guenée, 1852) *(Chariptera)*

931501 *cerintha* (Treitschke, 1826) *(Acontia)* R -- -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
obscura (Dyar, 1923) *(Chamyris)*

subfamily Metoponiinae Herrich-Schäffer, [1851]

***Tyta* Billberg, 1820**

931503 *luctuosa* ([Denis & Schiffermüller], 1775) *(Noctua)*+
R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
NOTE: This biological control agent was introduced to control Morning Glory (*Convolvulus arvensis*) in AB in 1989. A new generation was found in 1990 but the current status of these populations is unknown (Winston et al. 2014).

subfamily Cuculliinae Herrich-Schäffer, [1850]
tax info: Poole (1995)

***Cucullia* Schrank, 1802**

asteris group Poole, 1995

931504 *asteroides* Guenée, 1852 *(Cucullia)* R -- -- -- -- E P SK MB ON QC -- NF NB NS PE
NOTE: The BC record by Anderson (1904) was not repeated on later lists, and is assumed to be erroneous; no specimens are known west of SK.

931505 *montanae* Grote, 1882 *(Cucullia)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
montana Hampson, 1906 *(Cucullia)*

931506 *similaris* Smith, 1892 *(Cucullia)* R -- -- -- -- BC AB P -- -- -- -- -- -- -- --

931507 *omissa* Dod, 1916 *(Cucullia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

931508 *florea* Guenée, 1852 *(Cucullia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS --
indicta Smith, 1904 *(Cucullia)*
obscurior Smith, 1892 *(Cucullia)*

931509 *postera* Guenée, 1852 *(Cucullia)* R -- -- -- -- BC AB SK MB ON QC E NF NB NS --
NOTE: The LB record by The Lepidopterists' Society (2006) is erroneous; it refers to a location in NF.

convexipennis group Poole, 1995

931513 *convexipennis* Grote & Robinson, 1868 *(Cucullia)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS --

lucifuga group Poole, 1995

931514 *intermedia* Speyer, 1870 *(Cucullia)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
a *intermedia* Speyer, 1870 *(Cucullia)* r -- -- -- -- -- -- -- u on qc lb nf nb ns pe
b *cinderella* Smith, 1892 *(Cucullia)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

931515 *umbratica* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- -- -- -- -- -- QC -- -- NB NS --

speyeri group Poole, 1995

931516 *speyeri* Lintner, 1874 *(Cucullia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --

931518 *dorsalis* Smith, 1892 *(Cucullia)* R -- -- -- -- BC AB E -- -- -- -- -- -- -- --
NOTE: The SK record by Crumb (1956) refers to *C. speyeri*; *C. dorsalis* was once thought to be a subspecies of it.

931519E *laetifica* Lintner, 1875 *(Cucullia)* E -- -- -- -- -- -- E -- -- -- -- -- -- -- --
NOTE: Hooper's (1992) SK record is erroneous, based on material in the CNC that has been redetermined as *C. speyeri*. True *C. laetifica* does not occur north of CO and UT (Poole 1995).

antipoda group Poole, 1995

931524 *antipoda* Strecker, 1878 *(Cucullia)* R -- -- -- -- BC AB SK U -- -- -- -- -- -- --
NOTE: The MB record by Powell & Opler (2009) could not be verified.
a *antipoda* Strecker, 1878 *(Cucullia)* r -- -- -- -- bc ab sk u -- -- -- -- -- -- --
propinqua Smith, 1894 *(Cucullia)*
b *adopitna* (Barnes & Benjamin, 1927) *(Copicucullia)*
luteodisca (Smith, 1909) *(Copicucullia)*

931528E *astigma* (Smith, 1894) *(Copicucullia)* E -- -- -- -- -- -- -- -- -- -- -- -- E -- --
NOTE: The NB record by Crumb (1956) is erroneous; this species is known only from southwestern USA.

931529 *eulepis* (Grote, 1876) *(Cleophana)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
bistriga Smith, 1892 *(Cucullia)*
mala (Smith, 1908) *(Copicucullia)*

931532 *mcdunnoughi* (Henne, 1940) *(Copicucullia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

luna group Poole, 1995

931533 *luna* Morrison, 1875 *(Cucullia)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
magdalena (Hulst, 1882) *(Nycterophaeta)*
notatella (Grote, 1882) *(Epinyctis)*

strigata group Poole, 1995

931534E *serraticornis* Lintner, 1874 *(Cucullia)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Historical records from western Canada under the name *C. solidaginis*, a synonym, are erroneous. That name had historically been applied to the taxon now known as *C. strigata*. True *C. serraticornis* is restricted to southwestern USA.
solidaginis Strecker, 1874 *(Cucullia)*

931536 *strigata* (Smith, 1892) *(Rancora)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
brucei (Smith, 1903) *(Rancora)*
ketchikana (Barnes & Benjamin, 1922) *(Rancora)*

931537 *albida* Smith, 1894 *(Cucullia)* R -- -- -- -- EP AB SK MB -- -- -- -- -- -- --
NOTE: This species was reported from BC by Lafontaine & Troubridge (2011), probably based on misidentified material of *C. strigata*. However, *C. albida* occurs in the mountains of AB and it likely occurs in BC.
albicinerea (Smith, 1903) *(Rancora)*

pulla group Poole, 1995

931538 *pulla* (Grote, 1881) *(Lathosea)* R -- -- -- -- BC -- SK -- -- -- -- -- -- -- --
pullata (Grote, 1890) *(Lathosea)*
spaldingi (Barnes & Benjamin, 1922) *(Lathosea)*
spauldingi (Barnes & Benjamin, 1922) *(Lathosea)*

subfamily Amphipyrinae Guenée, 1837

tribe Amphipyrini Guenée, 1837

Amphipyra Ochsenheimer, 1816

931544 *pyramidoides* Guenée, 1852 *(Amphipyra)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
carbonita Franclemont, 1941 *(Amphipyra)*
conspersa Riley, 1871 *(Amphipyra)*
inornata Grote, 1864 *(Amphipyra)*

931545 *tragopoginis* (Clerck, 1759) *(Phalaena)*+ R -- -- -- -- BC AB P MB ON QC LB NF NB NS PE
distincta Rothschild, 1920 *(Amphipyra)*
luciola (Hufnagel, 1766) *(Phalaena)*
repressus (Grote, 1871) *(Agrotis)*
tragopogonis of authors, [no date] *(Amphipyra)*
turcomana Staudinger, 1888 *(Amphipyra)*

931546 *glabella* (Morrison, 1874) *(Pyrophila)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --

tribe Psaphidini Grote, 1896
tax info: Poole (1995)

subtribe Psaphidina Grote, 1896
tax info: Poole (1995)

Psaphida Walker, 1865

931548 *resumens* Walker, 1865 *(Psaphida)* R -- -- -- -- -- -- -- U ON QC -- -- -- -- --
NOTE: The MB record by Forbes (1954) could not be verified.
muralis (Grote, 1874) *(Dicopis)*
viridescens (Walker, 1865) *(Cymatophora)*

931549 *thaxterianus* (Grote, 1874) *(Dicopis)* R -- -- -- -- -- -- -- U ON -- -- -- -- -- --
NOTE: The MB record by Forbes (1954) could not be verified.

931550 *rolandi* (Grote, 1874) *(Eutolype)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
vernalis (Morrison, 1875) *(Copipanolis)*

931551 *grandis* (Smith, 1898) *(Eutolype)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

931552 *electilis* (Morrison, 1875) *(Dicopis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
bombyciformis (Smith, 1892) *(Eutolype)*
depilis (Grote, 1881) *(Dicopis)*

931553 *styracis* (Guenée, 1852) *(Taeniocampa)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
borealis (Smith, 1892) *(Copipanolis)*
cubilis (Grote, 1874) *(Copipanolis)*
fasciata (Smith, 1892) *(Copipanolis)*
stigma (Smith, 1890) *(Copipanolis)*

Copivaleria Grote, 1883

931557 *grotei* (Morrison, 1874) *(Valeria)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --

Brachionycha Hübner, 1819

931558 *borealis* (Smith, 1899) *(Asteroscopus)* R -- -- -- -- E AB SK MB ON QC -- NF NB -- --
NOTE: The BC record by Pohl et al. (2015b) was a databasing error.

subtribe Feraliina Poole, 1995
tax info: Poole (1995)

Feralia Grote, 1874

931561 *jocosa* (Guenée, 1852) *(Diphtera)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
furtiva Smith, 1909 *(Feralia)*
jocosides Strand, 1916 *(Feralia)*

931562 *deceptiva* McDunnough, 1920 *(Feralia)* R AK -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: The AB records by Crumb (1956) and Poole (1995) are assumed to be based on a misidentification of *F. jocosa* or a mislabelled specimen. True *F. deceptiva* occurs only in southwestern BC and southward (Pohl et al. 2010).

931563 *major* Smith, 1890 *(Feralia)* R -- -- -- -- -- AB -- MB ON QC -- -- NB NS --

931564 *comstocki* Grote, 1874 *(Feralia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
columbiana Smith, 1903 *(Feralia)*
comstocci (Hampson, 1906) *(Momaphana)*

subtribe Triocnemidina Poole, 1905

Acopa Harvey, 1875

931627 *perpallida* Grote, 1878 *(Acopa)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
borealis (Dyar, 1917) *(Grypotes)*
dentifer (Dyar, 1917) *(Grypotes)*
incana Edwards, 1882 *(Acopa)*
pura Barnes & Lindsey, 1922 *(Acopa)*

tribe Stiriini Grote, 1882

subtribe Stiriina Grote, 1882
tax info: Poole (1995)

Plagiomimicus Grote, 1873

spumosum complex Poole, 1995

931650 *heitzmani* Poole, 1995 *(Plagiomimicus)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --

931651 *spumosum* (Grote, 1874) *(Stibadium)* R -- -- -- -- -- AB P -- S -- -- -- -- -- --
mavina (Barnes & McDunnough, 1910) *(Stibadium)*

pityochromus group Poole, 1995

931661 *pityochromus* Grote, 1873 *(Plagiomimicus)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
media (Morrison, 1875) *(Schinia)*

931663 *expallidus* Grote, 1883 *(Plagiomimicus)* R -- -- -- -- -- AB SK U -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) could not be verified.

Cirrhophanus Grote, 1872

931681 *triangulifer* Grote, 1872 *(Cirrhophanus)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

Stiria Grote, 1874

931688 *rugifrons* Grote, 1874 *(Stiria)* R -- -- -- -- -- AB SK U -- -- -- -- -- -- --
NOTE: The MB record by Troubridge & Lafontaine (2003) could not be verified.

subtribe Azeniina Poole, 1995

Azenia Grote, 1882

931724 *obtusa* (Herrich-Schäffer, 1854) *(Metoponia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
obtusula (Zeller, 1873) *(Metoponia)*

subtribe Annaphilina Mustelin, 2006

Annaphila Grote, 1873
tax info: Rindge & Smith (1952)

subgenus ***Proannaphila*** Rindge & Smith, 1952

931734 *danistica* Grote, 1873 *(Annaphila)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

subgenus ***Annaphila*** Grote, 1873

931738 *arvalis* Edwards, 1875 *(Annaphila)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: The synonym *fletcheri* was described in the genus *Brephos* in the Geometridae.
fletcheri (Smith, 1907) *(Brephos)*
salicis Edwards, 1881 *(Annaphila)*
931753 *decia* Grote, 1875 *(Annaphila)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
amicula Edwards, 1875 *(Annaphila)*
germana Edwards, 1875 *(Annaphila)*
931754 *diva* Grote, 1873 *(Annaphila)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
yosemitensis Strand, 1912 *(Annaphila)*

subfamily Oncocnemidinae Forbes & Franclemont, 1954

Catabena Walker, 1855

931765 *lineolata* Walker, 1865 *(Catabena)* R -- -- -- -- BC AB P U ON QC -- -- -- -- --
NOTE: The MB record by Brodie (1929) could not be verified.
miscellus (Grote, 1873) *(Adipsophanes)*
petraea (Walker, 1869) *(Turbula)*

Calophasia Stephens, 1829

931771 *lunula* (Hufnagel, 1766) *(Phalaena)*+ R -- -- -- -- BC AB SK -- ON QC -- -- NB NS --
NOTE: This Palaearctic species was introduced to NA as a biocontrol agent to control toadflax (*Linaria* spp.) (DeClerck-Floate & Carcamo 2011). It was first released in Canada in ON in 1962, and later in NB (1971), SK (1973), BC (1969) and AB (1991). It has become established in several provinces.
anatolica Draudt, 1936 *(Calophasia)*
linariae ([Denis & Schiffermüller], 1775) *(Noctua)*

Pseudacontia Smith, 1883

931773 *crustaria* (Morrison, 1875) *(Tarache)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
cansa Smith, 1908 *(Pseudacontia)*
louisa Smith, 1908 *(Pseudacontia)*

Behrensia Grote, 1875

931775 *conchiformis* Grote, 1875 *(Behrensia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *conchiformis* Grote, 1875 *(Behrensia)*
b *suffusa* Buckett, 1964 *(Behrensia)*

Pleromelloida Nye, 1975

931777 *conserta* (Grote, 1881) *(Valeria)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
apposita (Smith, 1892) *(Pleroma)*
obliquata (Smith, 1891) *(Pleroma)*
smithi (Barnes & Benjamin, 1922) *(Pleroma)*
931778 *bonuscula* (Smith, 1898) *(Pleroma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
931780 *cinerea* (Smith, 1904) *(Pleroma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

***Sympistis* Hübner, 1823**
Oncocnemis Lederer, 1853

931793 *coprocolor* (Troubridge & Crabo, 1998) *(Oncocnemis)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

931797P *perscripta* (Guenée, 1852) *(Lepipolys)* P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species was listed as "expected" in QC by Handfield (2011).

931799 *albifasciata* (Hampson, 1906) *(Oncocnemis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
fasciatus (Smith, 1888) *(Oncocnemis)*

931800 *saundersiana* (Grote, 1876) *(Oncocnemis)* R -- -- -- -- E AB P MB ON QC -- -- -- -- --
NOTE: The BC record by Forbes (1954) is erroneous.

931801 *occata* (Grote, 1875) *(Cleophana)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

931802 *umbrifascia* (Smith, 1894) *(Oncocnemis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

931804 *balteata* (Smith, 1902) *(Oncocnemis)* R -- -- -- -- -- P SK MB -- -- -- -- -- -- --

931807 *tenuifascia* (Smith, 1888) *(Oncocnemis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
mus (Troubridge & Crabo, 1998) *(Oncocnemis)*

931808 *parvanigra* (Blackmore, 1923) *(Oncocnemis)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --

931810 *viriditincta* (Smith, 1894) *(Oncocnemis)* R -- -- -- -- E AB SK MB ON QC -- -- -- -- --
NOTE: Historical records of this species from BC are erroneous, it does not occur west of east-central AB.

931817 *stabilis* (Smith, 1895) *(Homohadena)* R -- -- -- -- BC AB SK MB ON -- -- -- -- -- --

931821 *badistriga* (Grote, 1872) *(Hadena)* R -- -- -- -- BC AB SK MB ON QC -- NF -- NS --
NOTE: This species was reported in error from Kaslo (BC) by ESBC (1906), as "var. *fifia* Dyar", now a separate species. However, J.H. Shepard has recently collected true *S. badistriga* in the Peace River region of northeastern BC.

931821.1 *tenuistriga* (McDunnough, 1940) *(Homohadena)* R -- -- -- -- -- -- -- MB ON -- -- -- -- -- --
NOTE: Dissections by JDL at the CNC indicate that this taxon, described as a variety of *S. badistriga*, is a valid species.

931822 *fifia* (Dyar, 1904) *(Homohadena)* R -- -- -- -- BC EP E E -- -- -- -- -- -- --
NOTE: Historical records of this species outside of the Rocky Mountains, from AB, SK, and MB refer to *S. dinalda*. However, *S. fifia* may yet be found in western AB (Pohl et al. 2010).

931823 *dinalda* (Smith, 1908) *(Homohadena)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
infixa of authors (not Walker, 1856) *(Xylophasia)*

931824E *kappa* (Grote, 1874) *(Homohadena)* E -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: The report of this species from "Canada" by the Natural History Society of Toronto (1883) is deemed erroneous; it is not known to occur north of the southern midwest USA (Troubridge 2008). That record probably refers to *S. dinalda*.

931825E *infixa* (Walker, 1856) *(Xylophasia)* E -- -- -- -- E E E E E E -- E E E --
NOTE: Historical records of this species in Canada are erroneous, based on a previous taxonomic arrangement. All Canadian records are actually *S. dinalda*, which was previously considered a subspecies of *S. infixa* but has recently been recognized as a distinct species (Troubridge 2008).

931831 *iricolor* (Smith, 1888) *(Oncocnemis)* R -- -- -- -- -- -- P MB -- -- -- -- -- -- --

931832E *simplex* (Smith, 1888) *(Oncocnemis)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Records of this species from BC and AB are erroneous, it is not known to occur in Canada.

931835 *glennyi* (Grote, 1873) *(Oncocnemis)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
phairi (McDunnough, 1927) *(Oncocnemis)*

931836 *lepipoloides* (McDunnough, 1922) *(Oncocnemis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

931843 *levis* (Grote, 1880) *(Oncocnemis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

931844 *incubus* Troubridge, 2008 *(Sympistis)* U -- -- -- -- U -- -- -- -- -- -- -- -- -- --
NOTE: A BC record reported by Crabo et al. (2013) is of uncertain identity; it may be *S. seth* Troubridge but it has been provisionally assigned here.

931848 *insanina* Troubridge, 2008 *(Sympistis)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

931849E *sanina* (Smith, 1910) *(Oncocnemis)* E -- -- -- -- -- E E E -- -- -- -- -- -- --
NOTE: Historical records of this species in western Canada refer to *S. insanina*, which was not described until 2008.

931853 *poliochroa* (Hampson, 1906) *(Oncocnemis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
chandleri of authors (not Grote, 1873) *(Oncocnemis)*

931857E *chandleri* (Grote, 1873) *(Oncocnemis)* E -- -- -- -- E E E E -- -- -- -- -- -- --
NOTE: Historical Canadian records of *S. chandleri* are erroneous, based on a previous taxonomic arrangement. Canadian records refer to *S. poliochroa*, at that time considered to be conspecific with *S. chandleri*.
colorado (Smith, 1893) *(Oncocnemis)*

931858 *mackiei* (Barnes & Benjamin, 1924) *(Oncocnemis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

931859 *cibalis* (Grote, 1880) *(Oncocnemis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

a *cibalis* (Grote, 1880) *(Oncocnemis)* u -- -- -- -- -- -- u u -- -- -- -- -- -- --

b *candicola* (Strand, 1916) *(Oncocnemis)* r -- -- -- -- u ab u u -- -- -- -- -- -- --

931863 *regina* (Smith, 1902) *(Oncocnemis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

931865 *augustus* (Harvey, 1875) *(Oncocnemis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

931866 *sandaraca* (Buckett & Bauer, 1967) *(Oncocnemis)* R -- -- -- -- BC AB U -- -- -- -- -- -- -- --
NOTE: The SK record by Hooper (1992), as "*Oncocnemis hayesi*", a common misdetermination of *S. sandaraca*, is unverified.

931867E *hayesi* (Grote, 1873) *(Oncocnemis)* E -- -- -- -- E E E -- -- -- -- -- -- -- --
NOTE: Canadian records of this species are erroneous, they refer to *S. sandaraca*.

931869 *pudorata* (Smith, 1893) *(Oncocnemis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

931871 *acheron* Troubridge, 2008 *(Sympistis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

931872 *cocytus* Troubridge, 2008 *(Sympistis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

931875 *riparia* (Morrison, 1875) *(Oncocnemis)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --

a *riparia* (Morrison, 1875) *(Oncocnemis)*

b *manitoba* (McDunnough, 1941) *(Oncocnemis)*

c *subterminalis* (McDunnough, 1941) *(Oncocnemis)*

931877 *amun* Troubridge, 2008 *(Sympistis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

931878E *major* (Grote, 1881) *(Oncocnemis)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Historical reports of this species in BC and AB refer to *S. amun* and *S. chons*. True *S. major* is restricted to southwestern USA (Troubridge 2008).

931881 *chons* Troubridge, 2008 *(Sympistis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

931888E *homogena* (Grote, 1877) *(Oncocnemis)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Reports of this species in BC by Blackmore (1927) and others is considered to be erroneous, and likely refers to one of several other recently described *Sympistis* species.

931894 *columbia* (McDunnough, 1922) *(Oncocnemis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

931897 *cherti* Troubridge, 2008 *(Sympistis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

931898 *youngi* (McDunnough, 1922) *(Oncocnemis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

931906 *chionanthi* (Smith, 1797) *(Phalaena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --

931907 *barnesii* (Smith, 1899) *(Oncocnemis)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) could not be verified and is deemed erroneous; it probably refers to the very similar *S. piffardi*.

931908 *chalybdis* (Troubridge & Crabo, 1998) *(Oncocnemis)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: The MB record by Powell & Opler (2009) could not be verified and is deemed erroneous.

931909 *piffardi* (Walker, 1862) *(Phornacisa)* R -- -- -- -- E AB SK MB ON QC -- -- NB NS --
NOTE: Historical records of this species from BC refer to *S. chalybdis*. True *S. piffardi* occurs only east of the Rocky Mountains (GRP, *in litt.*).

atrifasciata (Morrison, 1875) *(Metahadena)*

931910 *funebris* (Hübner, [1809]) *(Noctua)** R AK YT NT -- BC AB SK MB U QC LB -- U -- --
NOTE: The ON and NB records by Forbes (1954) could not be verified.

a *funebris* (Hübner, [1809]) *(Noctua)* r u u nt -- bc ab sk mb u qc lb -- u -- --
funesta (Paykull, 1793) *(Noctua)*

b *cocklei* (Dyar, 1904) *(Homohadena)* r ak u -- -- bc ab -- -- -- -- -- -- -- --
coclei (Hampson, 1906) *(Homohadena)*
kurodakeana Matsumura, 1927 *(Sympistis)*

931911 *dentata* (Grote, 1875) *(Apatela)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
purpurea (McDunnough, 1940) *(Apharetra)*
pyralis (Smith, 1895) *(Acronycta)*

931912 *anweileri* Troubridge & Lafontaine, 2008 *(Sympistis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

931913 *californiae* (McDunnough, 1946) *(Apharetra)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

931914 *lacticollis* (Smith, 1908) *(Oncocnemis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
laticollis (Rindge, 1955) *(Oncocnemis)*

931915E *chorda* (Grote, 1880) *(Homohadena)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Historical records of this species from BC and AB refer to *S. extremis*, once considered to be a subspecies of *S. chorda*.

931920 *extremis* (Smith, 1890) *(Oncocnemis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

931924 *meadiana* (Morrison, 1875) *(Oncocnemis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: The sole Canadian specimen of this species was collected near Nicola (BC) recently by L.G. Crabo.

931926 *dunbari* (Harvey, 1876) *(Hadena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

931927E *definita* (Barnes & McDunnough, 1912) *(Oxycnemis)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Reported in error from BC by Powell & Opler (2009), prior to the dissemination of work by Troubridge (2008) to describe many new species in the group. This record probably refers to one of the new *Sympistis* species described therein.

931928 *wilsoni* Barnes & Benjamin, 1924 *(Sympistis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

931929 *lapponica* (Thunberg, 1791) *(Noctua)** R AK YT NT NU E E -- -- -- QC LB -- -- -- --
NOTE: Historical reports of this species in BC and AB are erroneous, and probably refer to *S. wilsoni*.

amissa (Lefèbvre, 1836) *(Anarta)*
tenebricosa (Möschler, 1877) *(Anarta)*

931930 *heliophila* (Paykull, 1793) *(Noctua)** R AK YT NT NU BC AB SK MB P QC LB -- -- -- --
bicycla (Packard, 1867) *(Anarta)*

bicyclica (Thunberg, [unknown date]) *(Noctua)*
leucoptera (Esper, 1798) *(Phalaena)*
melaleuca (Thunberg, 1791) *(Noctua)*
moesta (Hübner, 1808) *(Noctua)*
penthica (Stichel, 1911) *(Anarta)*

931931 *zetterstedtii* (Staudinger, 1857) *(Anarta)** R AK YT NT NU BC AB SK MB ON QC LB -- -- -- --
a *zetterstedtii* (Staudinger, 1857) *(Anarta)* e e e e e e e e e e e e -- -- -- --
b *kolthoffi* (Aurivillius, 1890) *(Anarta)* r ak yt nt nu bc ab sk mb on qc lb -- -- -- --
besla (Skinner & Mengel, 1892) *(Anarta)*
labradoris (Staudinger, 1901) *(Anarta)*
sibirica (Alphéraky, 1895) *(Oncocnemis)*

931942P *dayi* (Grote, 1873) *(Oncocnemis)* P -- -- -- -- -- P P -- -- -- -- -- -- -- --
NOTE: This species occurs in MT near the Canadian border, and it may occur in adjacent AB and SK.

931946 *figurata* (Harvey, 1875) *(Homohadena)* R -- -- -- -- BC E E -- -- -- -- -- -- -- --
NOTE: Specimens from AB and SK that were previously identified as *S. figurata* have been corrected to *S. pallidior*, which was recently recognized as a distinct species (Troubridge 2008).

931948 *pallidior* (Barnes, 1928) *(Oncocnemis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
931950 *greyi* (Troubridge & Crabo, 1998) *(Oncocnemis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
931952 *semicollaris* (Smith, 1909) *(Oncocnemis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

subfamily Agaristinae Boisduval, 1833

Eudryas Boisduval, 1836

931964 *unio* (Hübner, [1831]) *(Euthisanotia)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --
931966 *grata* (Fabricius, 1793) *(Bombyx)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- PE
assimilis Boisduval, 1874 *(Eudryas)*
cludialis (Martyn, 1797) *(Phalaena)*

Psychomorpha Harris, 1839

931975 *epimenis* (Drury, 1782) *(Phalaena)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
a *epimenis* (Drury, 1782) *(Phalaena)*
glaucopis Harris, 1839 *(Psychomorpha)*
b *euryrhoda* Hampson, 1910 *(Psychomorpha)*

Alypia Hübner, 1818

931979 *octomaculata* (Fabricius, 1775) *(Sesia)* R -- -- -- -- -- -- SK MB ON QC -- NF NB NS --
a *octomaculata* (Fabricius, 1775) *(Sesia)*
albomaculata (Stoll, 1782) *(Phalaena)*
bimaculata (Gmelin, 1790) *(Phalaena)*
dipsaci Grote & Robinson, 1868 *(Alypia)*
octomaculalis Hübner, 1818 *(Alypia)*
quadriguttalis Hübner, 1818 *(Alypia)*
b *matuta* Edwards, 1883 *(Alypia)*

931981 *langtoni* Couper, 1865 *(Alypia)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
brannani Stretch, 1872 *(Alypia)*
hudsonica Barnes & McDunnough, 1917 *(Alypia)*
hutsonia Edwards, 1884 *(Alypia)*
sacramenti Grote & Robinson, 1868 *(Alypia)*
sacramento McDunnough, 1938 *(Alypia)*

931982 *ridingsii* Grote, 1865 *(Alypia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Androloma Grote, 1873

931984 *maccullochii* (Kirby, 1837) *(Alypia)* R AK YT NT -- BC AB SK MB ON QC LB -- -- -- --
a *maccullochii* (Kirby, 1837) *(Alypia)*
b *lorquinii* (Grote & Robinson, 1868) *(Alypia)*

c *similis* (Stretch, 1872) *(Alypia)*
conjuncta (Edwards, 1883) *(Alypia)*
edwardsi Franclemont & Todd, 1983 *(Androloma)*
edwardsii (Boisduval, 1874) *(Alypia)*

subfamily Condicinae Poole, 1995

tribe Condicini Poole, 1995

Perigea Guenée, 1852

931986 *xanthioides* Guenée, 1852 *(Perigea)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

Condica Walker, 1856

931989 *videns* (Guenée, 1852) *(Leucania)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
a *videns* (Guenée, 1852) *(Leucania)*
atriciliata (Grote, 1874) *(Platysenta)*
indigens (Walker, 1857) *(Nonagria)*
meskei (Speyer, 1875) *(Caradrina)*
b *albipuncta* (Smith, 1902) *(Platysenta)*
931991 *discistriga* (Smith, 1894) *(Platyperigea)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
931993 *mersa* (Morrison, 1875) *(Segetia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
lunata (Barnes & McDunnough, 1916) *(Crambodes)*
931995 *vecors* (Guenée, 1852) *(Perigea)* R -- -- -- -- -- -- -- U ON QC -- -- NB NS --
NOTE: The MB record by Brodie (1929) could not be verified.
demittens (Walker, 1858) *(Mamestra)*
luxa (Grote, 1874) *(Perigea)*
remissa (Walker, 1857) *(Apamea)*
931998 *sutor* (Guenée, 1852) *(Perigea)* R -- -- -- -- -- -- -- -- ON QC E -- NB NS --
NOTE: Handfield (2011) declared the LB record by Morris (1980) and others erroneous.
apameoides (Guenée, 1852) *(Perigea)*
clarefacta Walker, 1858 *(Condica)*
detrecta (Walker, 1865) *(Xylina)*
ebba (Schaus, 1923) *(Perigea)*
fabrefacta (Morrison, 1874) *(Segetia)*
indecisa (Walker, 1857) *(Perigea)*
otiosa (Walker, 1858) *(Perigea)*
pauper (Walker, 1858) *(Perigea)*
paupera (Walker, 1858) *(Perigea)*
turpis (Guenée, 1852) *(Perigea)*
932014 *cupentia* (Cramer, 1779) *(Phalaena)* S -- -- -- -- -- -- -- -- -- -- -- -- E S --
NOTE: The NB record by Webster et al. (2005) could not be verified, and is deemed erroneous. It was likely based on a specimen that has been redetermined as *C. confederata*. The sole known NS specimen is in the USNM.
epopea (Cramer, 1870) *(Phalaena)*
infelix (Guenée, 1852) *(Perigea)*
palpalis Walker, 1856 *(Condica)*
932015 *confederata* (Grote, 1873) *(Hadena)* S -- -- -- -- -- -- -- -- S -- -- -- S -- --
NOTE: New for Canada, based on material collected at Selkirk (ON) by JTT and deposited in the CNC, and a specimen collected recently by J. Edsall (NB).

Ogdoconta Butler, 1891
tax info: Metzler et al. (2013), Crabo (2015)

932018 *cinereola* (Guenée, 1852) *(Placodes)* R -- -- -- -- E -- -- MB ON QC -- -- NB NS --
NOTE: Reports of this species in BC by Jones (1951) and Cannings & Scudder (2007) are based on Bush-Wilson material in the CNC that is presumed to be mislabelled as "Vancouver"; this species is not known to occur in western NA (Metzler et al. 2013). The report by Powell & Opler (2009) as occurring across western Canada is also thought to be erroneous; this species is not otherwise known west of MB.
atomaria (Walker, 1865) *(Miana)*

Homophoberia Morrison, 1875

932024 *cristata* Morrison, 1875 *(Homophoberia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
caduca (Grote, 1876) *(Eustrotia)*
retis (Grote, 1879) *(Eustrotia)*
932025 *apicosa* (Haworth, 1809) *(Phytometra)* R -- -- -- -- -- -- -- U ON QC -- -- NB NS PE
NOTE: The MB record by Brodie (1929) could not be verified.
nigritula (Guenée, 1852) *(Erastria)*
undulifera (Walker, 1857) *(Miana)*

tribe Leuconyctini Poole, 1995

Leuconycta Hampson, 1908

932026 *diphteroides* (Guenée, 1852) *(Microcoelia)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE
obliterata (Grote, 1864) *(Microcoelia)*
932027 *lepidula* (Grote, 1874) *(Jaspidia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
a *lepidula* (Grote, 1874) *(Jaspidia)* r -- -- -- -- -- -- -- u on qc -- -- nb ns pe
b *avirida* (Smith, 1906) *(Bryophila)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --

Crambodes Guenée, 1852

932030 *talidiformis* Guenée, 1852 *(Crambodes)* R -- -- -- -- -- AB P MB ON QC -- -- -- -- --
conjungens (Walker, 1858) *(Carvanca)*

Micrathetis Hampson, 1908

932031 *triplex* (Walker, 1857) *(Laphygma)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This recent addition to the Canadian fauna was collected in Norfolk County (ON) by JTT.
benjamini Draudt, 1926 *(Micrathetis)*
contraria (Herrich-Schäffer, 1868) *(Galgula)*
conviva (Harvey, 1876) *(Caradrina)*
minuscula (Barnes & McDunnough, 1913) *(Athetis)*
obscurebrunnea Strand, 1916 *(Micrathetis)*
obscureobrunnea McDunnough, 1938 *(Micrathetis)*
pallidegrisea Strand, 1916 *(Micrathetis)*
spilomela (Walker, 1865) *(Laphygma)*
subaquila (Harvey, 1878) *(Caradrina)*

subfamily Heliothinae Boisduval, [1828]
tax info: Hardwick (1996)

Heliothodes Hampson, 1910

932036E *diminutiva* (Grote, 1873) *(Heliothis)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Reported from AB by Dod (1905) but that is assumed to be erroneous as no vouchers are known and the species is otherwise unknown in nNA.

Eutricopis Morrison, 1875

932038 *nexilis* Morrison, 1875 *(Eutricopis)* R -- YT -- -- BC AB SK MB ON QC -- -- NB NS --
elaborata (Edwards, 1875) *(Melicleptria)*
subcolorata Barnes & McDunnough, 1918 *(Eutricopis)*

Pyrrhia Hübner, 1821

932040 *cilisca* (Guenée, 1852) *(Heliothis)* R -- -- -- -- -- -- SK MB ON QC -- NF P P --
NOTE: Many historical records of this species refer to *P. exprimens*, then considered a subspecies. No vouchers of *P. cilisca* are confirmed for NB and NS, but the species likely occurs there. The Old World name *P. umbra* has also been widely used for this species in NA; true *P. umbra* is strictly Palaearctic.

aconiti Höltzermann, 1902 *(Pyrrhia)*
adela Lafontaine & Mikkola, 1996 *(Pyrrhia)*
conspicua (Borkhausen, 1792) *(Noctua)*
marginago (Haworth, 1809) *(Noctua)*
marginata (Fabricius, 1775) *(Noctua)*
rutilago ([Denis & Schiffermüller], 1775) *(Noctua)*
tibetana (Moore, 1878) *(Hydroecia)*
umbra of authors not Hufnagel, 1766 *(Pyrrhia)*
umbrago (Esper, 1798) *(Noctua)*
vexilliger (Christoph, 1893) *(Chariclea)*

932041 *exprimens* (Walker, 1857) *(Heliothis)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
angulata Grote, 1874 *(Pyrrhia)*
stilla Grote, 1879 *(Pyrrhia)*

932042 *aurantiago* (Guenée, 1852) *(Xanthia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
differta (Morrison, 1875) *(Orthosia)*
illinoiensis (French, 1879) *(Heliothis)*
illiterata Grote, 1874 *(Pyrrhia)*

Helicoverpa Hardwick, 1965

932045 *zea* (Boddie, 1850) *(Phalaena)* R -- -- -- -- BC M M M ON QC -- S NB NS PE
NOTE: Specimens from the Prairie Provinces are considered breeding migrants and the NF records are considered strays; this species is not known to overwinter successfully in those regions. The Old World name *H. armigera* (sometimes misspelled "*armiger*") was historically used for this species in NA.
armigera of authors not Hübner, 1808 *(Helicoverpa)*
obsoleta (Fabricius, 1793) *(Bombyx)*
ochracea Cockerell, 1889 *(Helicoverpa)*
stombleri (Okumura & Bauer, 1969) *(Heliothis)*
umbrosus (Grote, 1862) *(Heliothis)*

Heliothis Ochsenheimer, 1816

932046 *phloxiphaga* Grote & Robinson, 1867 *(Heliothis)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
interjacens Grote, 1880 *(Heliothis)*
luteitinctus Grote, 1875 *(Heliothis)*
phlogophagus Grote & Robinson, 1870 *(Heliothis)*

932047 *acesias* Felder & Rogenhofer, 1875 *(Heliothis)* R -- -- -- -- -- AB SK MB ON QC -- -- -- NS --

932049 *ononis* (Fabricius, 1787) *(Noctua)* R AK YT NT -- BC AB SK MB -- -- -- -- -- -- --
intensiva (Warren, 1911) *(Chloridea)*
lugubris Klemensiewicz, 1912 *(Heliothis)*
ononidis Guenée, 1852 *(Heliothis)*
ononis ([Denis & Schiffermüller], 1775) *(Noctua)*
septentrionalis (Edwards, 1884) *(Melicleptria)*

932050 *oregonica* (Edwards, 1875) *(Melicleptria)* R -- -- -- -- BC AB SK MB -- QC -- -- -- -- --

932051 *proruptus* Grote, 1873 *(Heliothis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This species is known in BC from a specimen in the USNM, from Osoyoos.
fimbria (Wilemans & Grinell, 1905) *(Melicleptria)*
venusta (Edwards, 1875) *(Melicleptria)*

932053 *borealis* (Hampson, 1903) *(Dysocnemis)* R -- -- -- -- BC AB SK MB ON QC LB -- -- -- --

Chloridea Duncan [& Westwood], 1841

932054 *virescens* (Fabricius, 1777) *(Noctua)* R -- -- -- -- -- -- -- MB U -- -- -- -- -- --
NOTE: This species, known as the Tobacco Budworm, was reported from ON by Riotte (1992). No vouchers are known, but its occurrence in southern ON is plausible.
prasina (Walker, 1857) *(Xanthia)*
pyraloides (Walker, 1857) *(Xanthia)*
rhexiae (Smith, 1797) *(Phalaena)*
spectanda (Strecker, 1876) *(Heliothis)*
viridescens (Walker, 1857) *(Xanthia)*

Heliocheilus Grote, 1865

932058 *paradoxus* Grote, 1865 *(Heliocheilus)* R -- -- -- -- BC -- -- -- ON -- -- -- -- -- --
hyperfusca (Strand, 1916) *(Chloridea)*

Protoschinia Hardwick, 1970

932061 *nuchalis* (Grote, 1878) *(Heliothis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
NOTE: Records of the Palaearctic species *P. scutosa* in NA refer to *P. nuchalis*.
scutosa of authors (not [Denis & Schiffermüller], 1775) *(Noctua)*

Schinia Hübner, 1818

932063 *bimatris* (Harvey, 1875) *(Pippona)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).

932070 *biundulata* Smith, 1891 *(Schinia)* S -- -- -- -- S -- -- -- -- -- -- -- -- --
NOTE: Historical BC records probably represent an accidental introduction, but this species may occur naturally in the extreme southern Okanagan Valley in BC (Pohl et al. 2015b).

932073 *jaguarina* (Guenée, 1852) *(Anthoecia)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
demaculata Strand, 1916 *(Schinia)*

932075 *suetus* (Grote, 1873) *(Heliothis)* R -- -- -- -- BC AB P -- -- -- -- -- -- -- --
a *suetus* (Grote, 1873) *(Heliothis)*
b *californicus* (Grote, 1873) *(Heliothis)*
c *sierrae* Hardwick, 1958 *(Schinia)*
d *martini* Hardwick, 1958 *(Schinia)* r -- -- -- -- bc ab p -- -- -- -- -- -- -- --

932077 *lucens* (Morrison, 1875) *(Heliothis)* R -- -- -- -- -- E E MB E -- -- -- -- -- --
NOTE: Reported "in Canada ... from northwestern ON westward through the Prairie Provinces to the Rocky Mountains" by Hardwick (1996), but the only Canadian specimens that could be found are from MB.
luxuriosa (Grote, 1882) *(Tamila)*

932078 *meadi* (Grote, 1873) *(Heliothis)* R -- -- -- -- P AB SK MB ON -- -- -- -- -- --

932082 *florida* (Guenée, 1852) *(Rhodophora)* R -- -- -- -- -- AB SK MB ON QC E NF NB NS PE
NOTE: The LB record by The Lepidopterists' Society (2006), from "Labrador: Deer Lake" is erroneous; Deer Lake is in NF. The LB record was repeated by Handfield (2011).

932083 *gaurae* (Smith, 1797) *(Phalaena)* R -- -- -- -- -- AB SK U -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) could not be verified.
matutina (Hübner, 1831) *(Porphyrinia)*

932091 *rivulosa* (Guenée, 1852) *(Anthoecia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
constricta (Edwards, 1882) *(Lygranthoecia)*
contracta (Walker, 1858) *(Microphysa)*
designata (Walker, 1865) *(Euclidia)*
marginata (Haworth, 1809) *(Crambus)*

932093 *thoreaui* (Grote & Robinson, 1870) *(Anthoecia)* R -- -- -- -- -- -- P MB ON -- -- -- -- -- --

932096 *trifascia* Hübner, 1818 *(Schinia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
lineata (Walker, 1858) *(Anthophila)*

932101E *perminuta* (Edwards, 1881) *(Melicleptria)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The BC record originating with Blackmore (1923) is assumed to be erroneous; it is likely a misidentification of *S. villosa* (Lafontaine & Troubridge 2011).

932102 *honesta* (Grote, 1881) *(Melicleptria)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
kasloa (Smith, 1903) *(Melicleptria)*

932103 *verna* Hardwick, 1983 *(Schinia)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
NOTE: This species is listed as "Threatened" in Canada by COSEWIC (2016).

932104 *villosa* (Grote, 1864) *(Melicleptria)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
a *villosa* (Grote, 1864) *(Melicleptria)*
pauxillus (Grote, 1873) *(Heliothis)*
b *subatra* (Smith, 1906) *(Melicleptria)*

932105 *sexata* (Smith, 1906) *(Melicleptria)* R -- -- -- -- -- -- E MB -- -- -- -- -- -- --
NOTE: Hardwick (1996) recorded this species from MB, and considered populations further westward possibly being intergrades with *S. villosa*, and deemed AB populations being pure *S. villosa*. No true *S. sexata* vouchers are known west of MB. The uncertain SK record in Pohl et al. (2014), based on the information in Hardwick (1996), is deemed erroneous.

932106 *intermontana* Hardwick, 1958 *(Schinia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

932108	*persimilis* (Grote, 1873) *(Heliothis)*	R	--	YT	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--				
	coloradica (Strand, 1916) *(Heliothis)*																				
	flavidenta (Smith, 1906) *(Melicleptria)*																				
932114	*septentrionalis* (Walker, 1858) *(Omia)*	R	--	--	--	--	--	--	--	MB	--	QC	--	--	--	--	--				
	atrites (Grote, 1875) *(Lygranthoecia)*																				
	brevis (Grote, 1864) *(Anthoecia)*																				
932119	*obscurata* Strecker, 1898 *(Schinia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--				
	a *obscurata* Strecker, 1898 *(Schinia)*	r	--	--	--	--	--	--	--	--	on	qc	--	--	--	--	--				
	b *tanena* Strecker, 1898 *(Schinia)*																				
932120	*lynx* (Guenée, 1852) *(Anthoecia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--				
932126	*mortua* (Grote, 1865) *(Anthoecia)*	R	--	--	--	--	--	--	--	MB	--	--	--	--	--	--	--				
	nobilis (Grote, 1864) *(Anthoecia)*																				
	packardii (Grote, 1864) *(Anthoecia)*																				
932129	*spinosae* (Guenée, 1852) *(Heliothis)*	U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
	NOTE: Despite being described from "Canada" (with no more specific location information), no Canadian specimens of this species are known to exist. It is otherwise known from NH and southwards in the USA. The type has likely been lost (Hardwick 1996).																				
	camina (Smith, 1906) *(Eupanychis)*																				
	hirtella (Grote & Robinson, 1866) *(Anthoecia)*																				
932134	*arcigera* (Guenée, 1852) *(Anthoecia)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	--	NB	NS	--				
	NOTE: The first record for NB was documented recently in Hanwell by G. Hensel (CNC).																				
	a *arcigera* (Guenée, 1852) *(Anthoecia)*																				
	arcifera (Guenée, 1852) *(Anthoecia)*																				
	spraguei (Grote, 1863) *(Anthoecia)*																				
	b *ferricasta* Smith, 1906 *(Schinia)*																				
	ferricosta McDunnough, 1938 *(Schinia)*																				
	limbalis (Grote, 1875) *(Lygranthoecia)*																				
932145	*sanguinea* (Geyer, 1832) *(Oria)*	R	--	--	--	--	--	--	SK	--	ON	--	--	--	--	--	--				
	gloriosa (Strecker, 1877) *(Heliothis)*																				
	terrifica Barnes & McDunnough, 1918 *(Schinia)*																				
932149	*roseitincta* (Harvey, 1875) *(Lygranthoecia)*	R	--	--	--	--	--	AB	P	MB	--	--	--	--	--	--	--				
	exalta (Edwards, 1884) *(Melicleptria)*																				
932150	*bina* (Guenée, 1852) *(Anthoecia)*	R	--	--	--	--	--	--	SK	MB	--	--	--	--	--	--	--				
	fastidiosa (Strecker, 1876) *(Heliothis)*																				
	mesceana (Hampson, 1903) *(Lygranthoecia)*																				
	meskeana (Grote, 1875) *(Lygranthoecia)*																				
	rufimedia (Grote, 1880) *(Lygranthoecia)*																				
932153	*acutilinea* (Grote, 1878) *(Lygranthoecia)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--				
	NOTE: The Cordilleran and Prairies populations may represent different species.																				
	separata (Grote, 1879) *(Lygranthoecia)*																				
	velutina Barnes & McDunnough, 1912 *(Schinia)*																				
932154	*walsinghami* (Edwards, 1881) *(Lygranthoecia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--				
	balba (Grote, 1881) *(Lygranthoecia)*																				
	brucei Smith, 1891 *(Schinia)*																				
	valsinghami Hampson, 1903 *(Schinia)*																				
932156	*nundina* (Drury, 1773) *(Phalaena)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	NS	--				
	nigrirena (Haworth, 1809) *(Phytometra)*																				
932168	*unimacula* Smith, 1891 *(Schinia)*	R	--	--	--	--	--	--	SK	--	--	--	--	--	--	--	--				
	coolidgei Hill, 1924 *(Schinia)*																				
932177	*cumatilis* (Grote, 1865) *(Euleucyptera)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--				
	sulmala (Strecker, 1878) *(Heliothis)*																				
932182	*avemensis* (Dyar, 1904) *(Pseudotamila)*	R	--	--	--	--	--	AB	SK	MB	--	--	--	--	--	--	--				
	NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).																				

Melaporphyria Grote, 1874

932189	*immortua* Grote, 1874 *(Melaporphyria)*	R	--	--	--	--	E	AB	SK	MB	--	--	--	--	--	--	--				
	NOTE: This rare species was assessed by COSEWIC, but was listed for Canada as "Data Deficient" (COSEWIC 2016). Report of this species from BC by Forbes (1954) is erroneous; it is not known west of Edmonton (AB) (Pohl et al. 2015b).																				

subfamily Eriopinae Herrich-Schäffer, [1851]

Callopistria Hübner, 1821

932190 *floridensis* (Guenée, 1852) *(Eriopus)* S -- -- -- -- -- -- -- S S S -- -- -- -- --
NOTE: This species is often imported accidentally with ornamental ferns.
elegantulus (Herrich-Schäffer, 1868) *(Eriopus)*
strena Grote, 1895 *(Callopistria)*
932192 *mollissima* (Guenée, 1852) *(Eriopus)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
rubicunda (Walker, 1858) *(Erastria)*
932194 *cordata* (Ljungh, 1825) *(Bombyx)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS PE
monetifera (Guenée, 1852) *(Eriopus)*

subfamily Bryophilinae Guenée, 1852

Cryphia (prov. plcmt.) Hübner, 1818

932195 *olivacea* (Smith, 1891) *(Cerma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
galva (Strecker, 1898) *(Cerma)*
932200 *cuerva* (Barnes, 1907) *(Cerma)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

subfamily Noctuinae Latreille, 1809

tribe Pseudeustrotiini Beck, 1996

Pseudeustrotia Warren, 1913

932205 *carneola* (Guenée, 1852) *(Erastria)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
biplaga (Walker, 1858) *(Erastria)*

Anterastria Sugi, 1982

932207 *teratophora* (Herrich-Schäffer, [1854]) *(Bryophila)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
inscripta (Walker, 1858) *(Erastria)*

tribe Phosphilini Poole, 1995

Phosphila Hübner, 1818

932208 *turbulenta* Hübner, 1818 *(Phosphila)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
arcuata (Walker, 1857) *(Xylophasia)*
932209 *miselioides* (Guenée, 1852) *(Hadena)* R -- -- -- -- -- -- SK MB ON QC -- -- -- -- --
a *miselioides* (Guenée, 1852) *(Hadena)*
miscellus (Smith, 1902) *(Hadena)*
b *macerata* (Smith, 1902) *(Hadena)*

tribe Prodeniini Forbes, 1954

Spodoptera Guenée, 1852
tax info: Todd & Poole (1980)

932215 *exigua* (Hübner, [1808]) *(Noctua)*+ M -- -- -- -- M -- -- U M M -- M M M --
NOTE: This species, the Beet Armyworm, is a common agricultural pest, but it cannot overwinter north of the southern USA. The MB record by Troubridge & Lafontaine (2003) could not be verified.
antipodea (Warren, 1914) *(Laphygma)*
caradrinoides (Walker, 1856) *(Laphygma)*
cycloides (Guenée, 1852) *(Laphygma)*
flavimaculata (Harvey, 1876) *(Caradrina)*

fulgens (Geyer, 1832) *(Noctua)*
junceti (Zeller, 1847) *(Caradrina)*
pygmaea (Rambur, 1834) *(Caradrina)*
sebghana (Austaut, 1880) *(Caradrina)*
venosa (Butler, 1880) *(Caradrina)*

932216 *frugiperda* (Smith, 1797) *(Phalaena)* M -- -- -- -- -- -- M M M M -- M M M M
NOTE: This species, the Fall Armyworm, is native to tropical and subtropical regions, and strays north to Canada regularly. It likely breeds in Canada but cannot overwinter in freezing temperatures.
autumalis (Riley, 1871) *(Prodenia)*
fulvosa (Riley, 1876) *(Laphygma)*
inepta (Walker, 1856) *(Laphygma)*
macra (Guenée, 1852) *(Laphygma)*
obscura (Riley, 1876) *(Laphygma)*
plagiata (Walker, 1856) *(Prodenia)*
signifera (Walker, 1856) *(Prodenia)*

932217 *praefica* (Grote, 1875) *(Prodenia)* R -- -- -- -- BC M -- -- -- -- -- -- -- -- --
NOTE: This species, the Western Yellow-striped Armyworm, migrates into western Canada regularly in late summer. It is not known to overwinter in AB.

932219 *ornithogalli* (Guenée, 1852) *(Prodenia)* M -- -- -- -- -- -- -- U M M -- -- M M M
NOTE: This species is known as the Yellow-striped Armyworm. It regularly migrates into eastern Canada, but it cannot overwinter there. The MB record by Heath (1904) could not be verified.
eudiopta (Guenée, 1852) *(Prodenia)*
eudioptoides (Barnes & Benjamin, 1923) *(Prodenia)*
flavimedia (Harvey, 1875) *(Prodenia)*
lineatella (Harvey, 1875) *(Prodenia)*

932221 *dolichos* (Fabricius, 1794) *(Noctua)* R -- -- -- -- -- -- -- -- -- -- -- -- -- NS --
NOTE: This species is known in Canada only from Sable Island, (NS) (Wright 1989).
commelinae (Smith, 1797) *(Phalaena)*
marmorea (Sepp, 1840) *(Phalaena)*

932223 *eridania* (Stoll, 1782) *(Phalaena)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: The first Canadian record was documented in Oakville (ON) on 15 October 2017 by D. Beadle (iNaturalist.org photo #11232416).
amygia (Guenée, 1852) *(Xylomyges)*
bipunctata (Walker, 1857) *(Xylina)*
derupta (Morrison, 1875) *(Actinotia)*
externa (Walker, 1856) *(Leucania)*
ignobilis (Butler, 1878) *(Prodenia)*
inquieta (Walker, 1857) *(Xylina)*
linea (Fabricius, 1794) *(Noctua)*
nigrofascia (Hulst, 1881) *(Leucania)*
phytolaccae (Smith, 1797) *(Phalaena)*
putrida (Guenée, 1852) *(Xylomyges)*
recondita (Möschler, 1890) *(Callierges)*
strigifera (Walker, 1858) *(Prodenia)*

tribe Elaphriini Beck, 1996

Elaphria Hübner, 1818

932228 *versicolor* (Grote, 1875) *(Hadena)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a databasing error, but the species is expected there.

932230 *chalcedonia* (Hübner, [1808]) *(Noctua)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: New for Canada, based on material in the CNC.
arna (Guenée, 1852) *(Celaena)*
expuncta (Walker, 1857) *(Celaena)*
irresoluta (Walker, 1857) *(Celaena)*
tracta (Grote, 1874) *(Hadena)*
vincta (Walker, 1857) *(Miana)*

932232 *georgei* (Moore & Rawson, 1939) *(Monodes)* R -- -- -- -- E -- -- -- ON QC -- -- -- NS --

NOTE: The BC record by Jones (1951) is a misidentification. This is strictly an eastern species.

932233E *festivoides* (Guenée, 1852) *(Celaena)* E -- -- -- -- E E E E E E -- E E E --

NOTE: Canadian populations previously referred to as *E. festivoides* (e.g., Bowman 1951; Saluke and Pogue 2000) are now recognized as *E. alapallida*. True *E. festivoides* is restricted to southeastern USA.

932234 *alapallida* Pogue & Sullivan, 2003 *(Elaphria)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

festivoides of authors (not Guenée, 1852) *(Celaena)*

932238 *grata* Hübner, 1818 *(Elaphria)* R -- -- -- -- E -- -- U ON QC -- -- -- -- --

NOTE: The BC record by Jones (1951) is erroneous, this species does not occur in western NA. The MB record by Brodie (1929) could not be verified but is plausible.

orina (Guenée, 1852) *(Cosmia)*

rasilis (Morrison, 1875) *(Hadena)*

Galgula Guenée, 1852

932249 *partita* Guenée, 1852 *(Galgula)* R -- -- -- -- BC -- -- MB ON QC -- -- NB NS PE

baueri (Staudinger, 1870) *(Thalpochares)*

bias (Druce, 1889) *(Thalpochares)*

externa (Walker, 1865) *(Euclidia)*

ferruginea (Walker, 1858) *(Hydrelia)*

hepara Guenée, 1852 *(Galgula)*

hippotamada (Druce, 1889) *(Thalpochares)*

interna Barnes & McDunnough, 1917 *(Galgula)*

mandane (Druce, 1891) *(Rivula)*

novarae (Felder & Rogenhofer, 1874) *(Thalpochares)*

sorex Möschler, 1886 *(Galgula)*

subpartita Guenée, 1852 *(Galgula)*

vesca (Morrison, 1875) *(Telesilla)*

Chytonix Grote, 1874

932249.5 *palliatricula* (Guenée, 1852) *(Bryophila)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE

iaspis (Guenée, 1852) *(Apamea)*

932249.6 *sensilis* Grote, 1881 *(Chytonix)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

macdonaldi Benjamin, 1922 *(Chytonix)*

ruperti Franclemont, 1941 *(Chytonix)*

submediana Strand, 1916 *(Chytonix)*

tribe Caradrinini Boisduval, 1840

subtribe Caradrinina Boisduval, 1840

Protoperigea McDunnough, 1937

Chytonyx Neave, 1939

932250 *anotha* (Dyar, 1904) *(Platyperigea)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

932251 *posticata* (Harvey, 1875) *(Orthosia)* R -- -- -- -- BC AB P -- -- -- -- -- -- -- --

veterata (Smith, 1894) *(Perigea)*

932252 *umbricata* Mustelin, 2006 *(Protoperigea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

Caradrina Ochsenheimer, 1816

Platyperigea Smith, 1894

932256 *morpheus* (Hufnagel, 1766) *(Phalaena)*+ R -- -- -- -- BC AB -- -- ON QC E NF NB NS --

NOTE: The LB record by The Lepidopterists' Society (2006) was erroneous; the location is in NF.

alpina (Hartig, 1938) *(Athetis)*

dresnayi (Lucas, 1933) *(Athetis)*

pulla (Beckwith, 1794) *(Phalaena)*

sepii (Hübner, 1803) *(Noctua)*

932257 *meralis* Morrison, 1875 *(Caradrina)* R -- -- -- -- BC AB SK MB ON -- -- -- -- -- --

bilunata Grote, 1877 *(Caradrina)*

932258 *camina* (Smith, 1894) *(Platyperigea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *camina* (Smith, 1894) *(Platyperigea)*
b *alpha* (Barnes & Benjamin, 1926) *(Platyperigea)*

932260 *montana* Bremer, 1861 *(Caradrina)** R AK YT NT -- BC AB SK MB ON QC -- -- -- -- --
NOTE: This western species is native as far east as Thunder Bay (ON). However, introduced populations have become established in Toronto (ON) and Montreal (QC).
civica Grote, 1883 *(Caradrina)*
extima Walker, 1865 *(Caradrina)*

932261 *multifera* Walker, [1857] *(Caradrina)* R -- -- -- -- E -- -- MB ON QC -- NF NB NS PE
NOTE: Western records of this species are based on dark specimens of *C. montana*. True *C. multifera* does not occur west of MB "(GRP, *in litt.*).
fidicularia (Morrison, 1875) *(Segetia)*

932265P *clavipalpis* (Scopoli, 1763) *(Phalaena)*+ P -- -- -- -- -- -- -- -- -- P -- -- -- -- --
NOTE: This species was listed as "expected" in QC by Handfield (2011).

subtribe Athetiina Fibiger & Lafontaine, 2005

Proxenus Herrich-Schäffer, 1850

932266 *miranda* (Grote, 1873) *(Caradrina)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
nitens (Dyar, 1904) *(Caradrina)*

932267 *mindara* Barnes & McDunnough, 1913 *(Proxenus)* R -- -- -- -- BC -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Lafrance & Paradis (1970) is erroneous (Handfield et al. 1997).

932268 *mendosa* McDunnough, 1927 *(Proxenus)* R AK YT -- -- BC AB SK MB ON QC -- -- -- NS --

Athetis Hübner, 1821

932269 *tarda* (Guenée, 1852) *(Caradrina)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
prima (Smith, 1891) *(Anorthodes)*

tribe Dypterygiini Forbes, 1954

Dypterygia Stephens, 1829

932272 *rozmani* Berio, 1974 *(Dypterygia)* R -- -- -- -- -- -- U MB ON QC -- -- NB NS --
NOTE: The SK record by Troubridge & Lafontaine (2003) could not be verified. Historical reports of the Old World species *D. scabriuscula* in NA refer to this species.
scabriuscula of authors (not Linnaeus, 1758) *(Noctua)*

Trachea Ochsenheimer, 1816

932280 *delicata* (Grote, 1874) *(Hadena)* R -- -- -- -- -- AB SK MB ON QC -- -- NB -- --
interna (Grote, 1875) *(Hadena)*

Magusa Walker, 1857
tax info: Lafontaine et al. (2009)

932281E *orbifera* (Walker, 1857) *(Xylina)* E -- -- -- -- -- -- -- E E E -- -- E E --
NOTE: Historical Canadian records of this species all refer to *M. divaricata*, which was not recognized as a separate species until recently; true *M. orbifera* does not occur north of the Caribbean (Lafontaine et al. 2009).

932282 *divaricata* (Grote, 1874) *(Stictoptera)* S -- -- -- -- -- -- -- S S S -- -- S S --
dissidens Felder & Rogenhofer, 1874 *(Magusa)*
sarpida Felder & Rogenhofer, 1874 *(Magusa)*

tribe Actinotiini Beck, 1996

Nedra Clarke, 1940
tax info: Clarke (1940)
Delta of authors not Saalmüller, 1891

932283 *ramosula* (Guenée, 1852) *(Cloantha)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS PE

932284 *stewarti* (Grote, 1875) *(Actinotia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: New for Canada, collected by BCS in 2015.
dora Clarke, 1940 *(Nedra)*
steuarti (Hampson, 1909) *(Delta)*
932286P *hoeffleri* Clarke, 1940 *(Nedra)* P -- -- -- -- P P -- -- -- -- -- -- -- -- --
NOTE: This species was listed as "expected" in AB by Pohl et al. (2010); it is also expected in adjacent BC.

Iodopepla Franclemont, 1964

932287 *u-album* (Guenée, 1852) *(Ceramica)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This species was listed as probable for QC by Handfield (2011), but that is unlikely; it is restricted to the shorelines of the Great Lakes.
baliola (Morrison, 1875) *(Orthosia)*
purpuripennis (Grote, 1874) *(Apamea)*
v-album Walker, 1856 *(Iodopepla)*
w-album Grote, 1874 *(Iodopepla)*

Alastria Lafontaine & Troubridge, 2004
tax info: Lafontaine & Troubridge (2004)

932288 *chico* Lafontaine & Troubridge, 2004 *(Alastria)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

tribe Phlogophorini Hampson, 1918

Euplexia Stephens, 1829

932290 *benesimilis* McDunnough, 1922 *(Euplexia)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical reports of the Palaearctic species *E. lucipara* in NA refer to this species.
lucipara of authors (not Linnaeus, 1758) *(Noctua)*

Phlogophora Treitschke, 1825

932291 *iris* Guenée, 1852 *(Phlogophora)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
932292 *periculosa* Guenée, 1852 *(Phlogophora)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
v-brunneum (Grote, 1875) *(Trigonophora)*

Conservula Grote, 1874

932293 *anodonta* (Guenée, 1852) *(Phlogophora)* R -- -- -- -- -- -- -- MB ON QC -- NF NB -- --

tribe Apameini Guenée, 1841

Apamea Ochsenheimer, 1816
tax info: Mikkola et al. (2009)
Agroperina Hampson, 1908
Crymodes Guenée, 1841
Septis Hübner, 1821
Trichoplexia Hampson, 1908
Xylophasia Stephens, 1829

verbascoides group Mikkola, Lafontaine & Gill, 2009

932294 *verbascoides* (Guenée, 1852) *(Xylophasia)* R -- -- -- -- -- P SK MB ON QC -- NF NB NS PE
932295 *inebriata* Ferguson, 1977 *(Apamea)* R -- -- -- -- -- -- -- -- -- QC -- -- -- NS --
932296 *nigrior* (Smith, 1891) *(Xylophasia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
932297 *vulgaris* (Grote & Robinson, 1866) *(Xylophasia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
932299 *cristata* (Grote, 1878) *(Hadena)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
932300 *cariosa* (Guenée, 1852) *(Xylophasia)* R -- -- -- -- -- AB SK MB ON QC -- -- NB -- --
cluna (Strecker, 1898) *(Hadena)*
dionea (Smith, 1899) *(Hadena)*

idonea (Grote, 1882) *(Hadena)*

crenata group Mikkola, Lafontaine & Gill, 2009

932302 *apamiformis* (Guenée, 1852) *(Xylophasia)* R -- -- -- -- E -- P MB ON QC -- -- NB NS PE
NOTE: The BC record by Anderson (1904) and ESBC (1906) is erroneous; this species occurs in eastern NA only as far west as MB. The BC record is probably based on misidentified *A. vultuosa*, which is very similar in appearance.
contenta (Walker, 1857) *(Hadena)*
932303 *vultuosa* (Grote, 1875) *(Hadena)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS --
a *vultuosa* (Grote, 1875) *(Hadena)* r ak -- -- -- bc ab sk mb on qc -- nf nb ns --
b *multicolor* (Dyar, 1904) *(Hadena)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
932304 *plutonia* (Grote, 1883) *(Hadena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
932307 *alia* (Guenée, 1852) *(Taeniocampa)* R AK YT NT -- BC AB SK MB ON QC E NF NB NS PE
NOTE: The LB record by The Lepidopterists' Society (2006) is erroneous; the location is in NF.
rorulenta (Smith, 1904) *(Xylophasia)*
suffusca (Morrison, 1875) *(Hadena)*

unanimis group Mikkola, Lafontaine & Gill, 2009

932308 *unanimis* (Hübner, [1813]) *(Noctua)*+ R -- -- -- -- BC -- -- -- ON QC -- NF NB -- --

remissa group Mikkola, Lafontaine & Gill, 2009

932309 *remissa* (Hübner, [1809]) *(Noctua)** R AK P P P E E E MB E E E E E E E
NOTE: Almost all North American populations historically treated under this name, are now referred to as a separate species, *A. indocilis*; true *A. remissa* occurs in NA only in the arctic (Mikkola et al. 2009 reported it only from Beringia, but a specimen from Churchill (MB) has been confirmed recently).
divitis (Bryk, 1942) *(Polia)*
gemina (Hübner, [1813]) *(Noctua)*
indocilis of authors (not Walker, 1856) *(Xylophasia)*
obscura (Haworth, 1809) *(Noctua)*
submissa (Treitschke, 1825) *(Hadena)*
932310 *indocilis* (Walker, 1856) *(Xylophasia)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: This is a recent taxonomic arrangement for all non-Arctic material previously referred to as *A. remissa*.
ampliata (McDunnough, 1940) *(Septis)*
enigra (Smith, 1904) *(Xylophasia)*
ferens (Smith, 1903) *(Xylophasia)*
lona (Strecker, 1898) *(Hadena)*
remissa of authors (not Hübner, [1809]) *(Noctua)*
runata (Smith, 1899) *(Hadena)*
separans (Grote, 1881) *(Hadena)*
932311 *impulsa* (Guenée, 1852) *(Mamestra)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
932312 *unita* (Smith, 1904) *(Xylophasia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

cuculliformis group Mikkola, Lafontaine & Gill, 2009

932313 *cuculliformis* (Grote, 1875) *(Hadena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

sordens group Mikkola, Lafontaine & Gill, 2009

932314 *sordens* (Hufnagel, 1766) *(Phalaena)** R AK YT -- -- BC AB SK MB ON QC LB NF NB NS PE
a *sordens* (Hufnagel, 1766) *(Phalaena)* e -- -- -- -- -- -- -- -- -- -- -- e -- -- --
basilinea ([Denis & Schiffermüller], 1775) *(Noctua)*
b *finitima* Guenée, 1852 *(Apamea)* r ak yt -- -- bc ab sk mb on qc lb nf nb ns pe
cerviana (Smith, 1900) *(Hadena)*
c *sableana* Mikkola, 2009 *(Apamea)* r -- -- -- -- -- -- -- -- -- -- -- -- -- ns --

leucodon group Mikkola, Lafontaine & Gill, 2009

932316 *inordinata* (Morrison, 1875) *(Hadena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *inordinata* (Morrison, 1875) *(Hadena)* r -- -- -- -- -- -- -- u on qc -- -- nb ns pe

| | | |

albina group Mikkola, Lafontaine & Gill, 2009

932335E *albina* (Grote, 1874) *(Hadena)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Historical BC records are erroneous, this species is restricted to CA and southern OR.

maxima group Mikkola, Lafontaine & Gill, 2009

932336 *maxima* (Dyar, 1904) *(Polia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

acera group Mikkola, Lafontaine & Gill, 2009

932338 *acera* (Smith, 1900) *(Polia)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --

burgessi group Mikkola, Lafontaine & Gill, 2009

932339 *burgessi* (Morrison, 1874) *(Luceria)* R -- -- -- -- -- AB P -- -- -- -- -- -- -- --
a *burgessi* (Morrison, 1874) *(Luceria)*
b *ona* (Smith, 1909) *(Luperina)*
stygia (Dyar, 1914) *(Trachea)*
c *leucoptera* Mikkola, 2009 *(Apamea)* r -- -- -- -- -- ab p -- -- -- -- -- -- -- --
932340E *relicina* (Morrison, 1875) *(Hadena)* EP -- -- -- -- E -- -- E P P -- -- -- -- --
NOTE: Historical records from BC beginning with Dyar (1904), and from MB by Hanham (1899), are considered to be erroneous; no such vouchers are known and this species is otherwise unknown in northwestern NA. However, subspecies *migrata* is known from northern NY very close to ON and QC, and it may be found in southeastern Canada.
a *relicina* (Morrison, 1875) *(Hadena)*
b *migrata* (Smith, 1903) *(Luperina)* p -- -- -- -- -- -- -- -- p p -- -- -- -- --

zeta group Mikkola, Lafontaine & Gill, 2009

932341 *longula* (Grote, 1879) *(Hadena)* R AK YT -- -- BC AB SK -- -- -- -- -- -- -- --
932343 *scoparia* Mikkola, Mustelin & Lafontaine, 2000 *(Apamea)*
R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Records of the Old World species *A. lateritia* from across nNA are based on a previous taxonomic arrangement and refer to *A. scoparia*. True *A. lateritia* is restricted to the Old World.
a *scoparia* Mikkola, Mustelin & Lafontaine, 2000 *(Apamea)*
r ak yt nt -- bc ab sk mb on qc lb nf nb ns pe
lateritia of authors (not Hufnagel, 1766) *(Phalaena)*
b *gabrieli* Mikkola & Mustelin, 2000 *(Apamea)*
borealis (Strand, 1903) *(Crymodes)*
932344 *dubitans* (Walker, 1856) *(Mamestra)* R E -- -- -- E E E MB ON QC LB NF NB NS PE
NOTE: Reports in western Canada and AK by Jones (1951), Crumb (1956), and others refer to *A. cogitata*, then considered to be a subspecies of *A. dubitans* but now treated as a full species. True *A. dubitans* does not occur in western NA.
amanda (Swinhoe, 1901) *(Agroperina)*
insignata Walker, 1857 *(Apamea)*
sputator (Grote, 1873) *(Hadena)*
932345 *cogitata* (Smith, 1891) *(Xylophasia)* R AK -- NT -- BC AB SK MB ON QC LB NF NB NS PE
932347 *inficita* (Walker, 1857) *(Graphiphora)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *inficita* (Walker, 1857) *(Graphiphora)* r ak yt nt -- u u u u on qc lb nf nb ns pe
belangeri (Morrison, 1875) *(Orthosia)*
b *conradi* (Grote, 1879) *(Orthosia)* e -- -- -- -- -- e -- e -- -- -- -- e -- --
citima (Grote, 1883) *(Orthosia)*
popofensis (Smith, 1900) *(Ommatostola)*
c *indela* (Smith, 1910) *(Agroperina)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
lineosa (Smith, 1910) *(Agroperina)*
nada Strand, 1916 *(Apamea)*
palliderufa Strand, 1916 *(Apamea)*
pendina (Smith, 1910) *(Agroperina)*
saturatior Strand, 1916 *(Apamea)*
932348 *lutosa* (Andrews, 1877) *(Orthosia)* R -- -- -- -- BC P SK MB ON QC -- -- NB -- --
932350 *devastator* (Brace, 1819) *(Phalaena)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE

abjecta (Guenée, 1852) *(Noctua)*
contenta (Walker, 1856) *(Mamestra)*
ordinaria (Walker, 1856) *(Mamestra)*
speciosa (Morrison, 1875) *(Polia)*

932351 *zeta* (Treitschke, 1825) *(Polia)** R AK YT NT NU BC AB -- MB P QC LB NF -- -- --
NOTE: Historical records of the Palaearctic species *A. maillardi* in NA refer to this species.

b *exulis* (Lefèbvre, 1836) *(Hadena)* r -- -- -- nu -- -- -- -- -- qc lb nf -- -- --
borea (Guenée, 1852) *(Crymodes)*
borea (Herrich-Schäffer, 1852) *(Crymodes)*
cervina (Germar, [1842]) *(Mamestra)*
difflua (Geyer, 1837) *(Exarnis)*
gelata (Lefèbvre, 1836) *(Hadena)*
gelida (Guenée, 1852) *(Crymodes)*
groenlandica (Duponchel, 1838) *(Hadena)*
maillardi of authors (not Geyer, [1834]) *(Noctua)*

c *downesi* Mikkola, 2009 *(Apamea)* r -- -- -- nu -- -- -- -- -- -- -- -- -- -- --

d *murrayi* (Gibson, 1920) *(Homoglaea)* r -- -- nt nu -- -- -- mb p qc lb -- -- -- --
johanseni McDunnough, 1933 *(Apamea)*

e *pelagica* Mikkola, 2009 *(Apamea)* r ak -- -- -- -- -- -- -- -- -- -- -- -- --

f *nichollae* (Hampson, 1908) *(Protagrotis)* r ak yt -- -- bc ab -- -- -- -- -- -- -- -- --

932352E *alticola* (Smith, 1891) *(Xylophasia)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The AB record by Bowman (1951) is erroneous, due to a previous taxonomic arrangement. True *A. alticola* is restricted to the southern Rocky Mountain states of CO and NM.

932353 *rubirena* (Treitschke, 1825) *(Mamestra)** R AK -- -- -- -- -- -- -- -- -- -- -- -- --
abnoba (Guth, 1932) *(Hadena)*
asciburgensis (Koch, 1965) *(Crymodes)*
feisthamelii (Boisduval, 1833) *(Hadena)*
fennica (Guth, 1932) *(Hadena)*
hercyniae (Staudinger, 1871) *(Hadena)*
intermedia (Guth, 1932) *(Hadena)*
kurilirena (Bryk, 1942) *(Crymodes)*
marginipicta Varga, 1973 *(Apamea)*
miriquidoi (Koch, 1963) *(Crymodes)*
ontakensis Sugi, 1982 *(Apamea)*
pacifica Sugi, 1982 *(Apamea)*
rhaetonorica (Koch, 1965) *(Crymodes)*
shibuyae (Matsumura, 1925) *(Crymodes)*
sylvicola (Eversmann, 1843) *(Mamestra)*
wasedana Sugi, 1982 *(Apamea)*

932354 *contradicta* (Smith, 1895) *(Xylophasia)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS --
exornata (Möschler, 1860) *(Hadena)*

932355 *niveivenosa* (Grote, 1879) *(Agrotis)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS PE

a *niveivenosa* (Grote, 1879) *(Agrotis)* r -- -- nt -- bc ab sk mb on qc -- -- nb ns pe
extensa (Smith, 1905) *(Luperina)*
flavistriga (Smith, 1905) *(Perigea)*
viralis (Grote, 1881) *(Agrotis)*

b *obscuroides* Poole, 1989 *(Apamea)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
obscura (Barnes & McDunnough, 1911) *(Protagrotis)*

932356 *lintneri* (Grote, 1873) *(Ommatostola)* R -- -- -- -- -- -- -- -- -- QC P NF NB NS --

Loscopia **Beck, [1992]**
tax info: Mikkola et al. (2009)

932358 *velata* (Walker, 1865) *(Apamea)* R -- -- -- -- E -- SK MB ON QC -- NF NB NS PE
NOTE: The BC record by Forbes (1954) is based on "a single specimen seen from Vancouver; determination uncertain". The record is erroneous, due to mislabelling. The specimen (in the CNC) is part of a collection of material of eastern origin (the Bush-Wilson collection), that apparently was once housed in Vancouver, BC, and has been misleadingly labelled "Vancouver". This species is otherwise restricted to eastern NA only as far west as SK (Mikkola et al. 2009).
sera (Grote & Robinson, 1868) *(Hydroecia)*

***Melanapamea* Lafontaine, 2009**
tax info: Mikkola et al. (2009)

932362 *mixta* (Grote, 1881) *(Hadena)* R -- -- -- -- -- -- -- U ON QC -- -- NB NS --
NOTE: Historical MB records could not be verified. They may refer to *Apamea impulsa*.

***Lateroligia* Zilli, Fibiger & Ronkay, 2005**
tax info: Mikkola et al. (2009)

932363 *ophiogramma* (Esper, 1793) *(Phalaena)*+ R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
biloba (Haworth, 1809) *(Noctua)*

***Resapamea* Varga & Ronkay, 1992**
Luperina Boisduval, 1828

932366 *venosa* (Smith, 1903) *(Cosmia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
932368 *passer* (Guenée, 1852) *(Mamestra)* R AK U NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: The YT records by Kononenko et al. (1989) and Lafontaine & Wood (1997) could not be verified.
a *passer* (Guenée, 1852) *(Mamestra)*
conspicua (Morrison, 1874) *(Luceria)*
hulstii (Grote, 1880) *(Hadena)*
incallida (Walker, 1857) *(Agrotis)*
loculata (Morrison, 1874) *(Luceria)*
morna (Strecker, 1878) *(Hadena)*
virguncula (Smith, 1899) *(Hadena)*
b *birnata* (Smith, 1908) *(Hadena)*
932368.3 *mammuthus* Crabo, 2013 *(Resapamea)* R -- YT U -- -- -- -- -- -- -- -- -- -- --
NOTE: This species is known only from the holotype from Old Crow (YT) but a female specimen from Aklavik (NT) may be this species as well (Crabo et al. 2013).

***Resapamea (prov. plcmt. group 2)* Varga & Ronkay, 1992**

932369 *stipata* (Morrison, 1875) *(Hadena)* R -- -- -- -- -- -- SK MB ON QC -- -- NB NS PE

***Mesapamea* Heinicke, 1959**

932370 *fractilinea* (Grote, 1874) *(Hadena)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
a *fractilinea* (Grote, 1874) *(Hadena)*
misera (Grote, 1882) *(Hadena)*
modiola (Grote, 1879) *(Hadena)*
una (Strecker, 1900) *(Hadena)*
vulgivaga (Morrison, 1875) *(Hadena)*
b *albescens* (Barnes & McDunnough, 1910) *(Oligia)*
932371.1 *secalis* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: A specimen of this introduced European species was collected recently by D. Holden; it was confirmed via dissection by JDL.

***Eremobina* McDunnough, 1937**

932372 *claudens* (Walker, 1857) *(Hadena)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS --
albertina (Hampson, 1908) *(Eremobia)*
hanhami (Barnes & Benjamin, 1924) *(Eremobia)*
hilli (Grote, 1876) *(Hadena)*
932374 *leucoscelis* (Grote, 1874) *(Polia)* R -- -- -- -- E AB P U ON QC -- -- NB NS --
NOTE: Historical MB records by Brodie (1929) and Forbes (1954) could not be verified. The Forbes (1954) record "from the West Coast", as "race *hanhami* Barnes & Benjamin" follows a previous taxonomic arrangement. The taxon *hanhami* is now a synonym of *E. claudens*.
fibulata (Morrison, 1874) *(Dryobota)*
jocasta (Smith, 1900) *(Hadena)*

Oligia Hübner, 1821

932375 *strigilis* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

Oligia (prov. plcmt.) Hübner, 1821

932377 *chlorostigma* (Harvey, 1876) *(Hadena)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
viridimusca (Smith, 1899) *(Hadena)*

932378 *modica* (Guenée, 1852) *(Apamea)* R -- -- -- -- E AB SK MB ON QC -- NF NB NS PE
NOTE: The BC record by Cannings & Scudder (2007) is erroneous; this species is not known to occur west of AB (Pohl et al. 2015b).
subcedens (Walker, 1857) *(Celaena)*

932379 *tusa* (Grote, 1878) *(Hadena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

932380 *violacea* (Grote, 1881) *(Hadena)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: The AB record by Bowman (1951) is erroneous, based on a previous taxonomic arrangement. Populations in AB are *O. rampartensis*, recently recognized as a distinct species (Pohl et al. 2010). True *O. violacea* is restricted to the West Coast of NA.
a *violacea* (Grote, 1881) *(Hadena)*
b *columbia* (McDunnough, 1927) *(Oligia)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --

932381 *rampartensis* (Barnes & Benjamin, 1923) *(Oligia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

932382 *bridghamii* (Grote & Robinson, 1866) *(Mamestra)*
R -- -- -- -- -- -- SK P ON QC -- NF NB NS PE
a *bridghamii* (Grote & Robinson, 1866) *(Mamestra)*
b *iridis* (Dyar, 1923) *(Oligia)*

932383 *egens* (Walker, [1857]) *(Celaena)* R -- -- -- -- E AB SK MB ON QC -- -- -- -- --
NOTE: Reported from BC by ESBC (1906) as "*Hadena transfrons* Neumögen", a synonym, but the record is erroneous.
a *egens* (Walker, [1857]) *(Celaena)* r -- -- -- -- -- -- u u on qc -- -- -- -- --
b *ferrealis* (Grote, 1883) *(Mamestra)* r -- -- -- -- -- ab u u -- -- -- -- -- -- --
transfrons (Neumögen, 1883) *(Hadena)*

932384 *minuscula* (Morrison, 1875) *(Orthosia)* R -- -- -- -- -- -- SK MB ON QC -- NF NB NS U
NOTE: The PE record is based on a photo by R.W. Harding that could not be identified with certainty.
a *minuscula* (Morrison, 1875) *(Orthosia)* u -- -- -- -- -- -- u u u u -- u u u u
b *grahami* (Benjamin, 1933) *(Oligia)* r -- -- -- -- -- -- -- -- -- -- -- -- ns --

932385 *obtusa* (Smith, 1902) *(Helotropha)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --

932386 *divesta* (Grote, 1874) *(Hadena)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Crumb (1956) is erroneous; this species is restricted to the West Coast.
laticlava (Smith, 1903) *(Chytonix)*

Neoligia Troubridge & Lafontaine, 2002
tax info: Troubridge & Lafontaine (2002)

932387 *semicana* (Walker, 1865) *(Miana)* R -- -- -- -- -- -- -- E ON QC -- -- E E --
NOTE: Most historical records of this species are in fact *N. canadensis*. Confirmed specimens from ON and QC are in the CNC.
hausta (Grote, 1882) *(Hadena)*
latireptana (Walker, 1865) *(Erastria)*

932388 *canadensis* Troubridge & Lafontaine, 2002 *(Neoligia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
semicana of authors not Walker, 1865 *(Neoligia)*

932389 *atlantica* Troubridge & Lafontaine, 2002 *(Neoligia)* R -- -- -- -- -- -- -- -- -- P LB NF -- NS --

932390 *exhausta* (Smith, 1903) *(Hadena)* R -- -- -- -- -- -- -- U ON QC -- -- NB NS PE
NOTE: Historical MB records could not be verified, and may refer to other *Neoligia* species.

932391 *crytora* (Franclemont, 1950) *(Procus)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

932392 *subjuncta* (Smith, 1898) *(Hadenella)* R AK P NT -- BC AB SK MB ON QC -- NF NB NS PE
laevigata (Smith, 1898) *(Hadenella)*

932397 *tonsa* (Grote, 1880) *(Hadena)* R -- -- -- -- BC AB E E E -- -- -- E -- --
NOTE: Historical records of this species from eastern Canada refer to *N. subjuncta*; true *N. tonsa* is restricted to western NA (Troubridge & Lafontaine 2002).
fasciata Barnes & McDunnough, 1912 *(Neoligia)*

932399 *invenusta* Troubridge & Lafontaine, 2002 *(Neoligia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

932401 *albirena* Troubridge & Lafontaine, 2002 *(Neoligia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

932402 *lancea* Troubridge & Lafontaine, 2002 *(Neoligia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

932403 *lillooet* Troubridge & Lafontaine, 2002 *(Neoligia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Meropleon Dyar, 1924
tax info: Ferguson (1982a)

932413 *diversicolor* (Morrison, 1874) *(Demas)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS PE
a *diversicolor* (Morrison, 1874) *(Demas)*
b *sullivani* Ferguson, 1982 *(Meropleon)*
932414 *ambifusca* (Newman, 1948) *(Oligia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

Lemmeria Barnes & Benjamin, 1926

932415 *digitalis* (Grote, 1882) *(Anchocelis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

Xylomoia Staudinger, 1892

932416 *chagnoni* Barnes & McDunnough, 1917 *(Xylomoia)* R -- -- -- -- U P SK MB ON QC E NF NB NS PE
NOTE: Specimens from southeastern BC collected by D.W. Knight are in the J.H. Shepard collection. This is a significant range extension from SK and requires verification. The LB record by The Lepidopterists' Society (2006) is erroneous; the location is in NF.
932417 *indirecta* (Grote, 1875) *(Hadena)* R -- -- -- -- BC -- -- U -- P -- -- NB -- --
NOTE: The MB record by Hanham (1901) could not be verified.

Photedes Lederer, 1857

932419 *inops* (Grote, 1881) *(Orthosia)* R -- -- -- -- BC AB SK MB ON P -- -- NB NS PE
insipida (Strecker, 1900) *(Caradrina)*
insipidella (Strand, 1916) *([unknown])*
932421 *includens* (Walker, [1858]) *(Hydrelia)* R -- -- -- -- -- AB SK U ON QC -- -- NB NS --
NOTE: Historical MB records could not be verified.
lunaris (Strand, 1916) *([unknown])*
mariae (Grote, 1877) *(Eustrotia)*
norna (Morrison, 1875) *(Hadena)*
penita (Morrison, 1875) *(Lithacodia)*
932422 *panatela* (Smith, 1904) *(Erastria)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS --
932423 *didonea* (Smith, 1894) *(Hadena)* R -- -- -- -- -- AB -- E -- E -- -- -- -- --
NOTE: The MB record by Hanham (1899) and the QC record by Winn (1912) are incorrect; *P. didonea* is known in Canada only from southern AB (Pohl et al. 2010). The QC record was attributed to a misidentification of *P. chagnoni* by Handfield et al. (1997).
draudti (Barnes & Benjamin, 1926) *(Xylomoea)*

Photedes (prov. plcmt.) Lederer, 1857

932424 *enervata* (Guenée, 1852) *(Nonagria)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
fodiens (Guenée, 1852) *(Nonagria)*
orphnina (Dyar, 1912) *(Arenostola)*
932425 *defecta* (Grote, 1874) *(Senta)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE

Hypocoena Hampson, 1908

932426 *inquinata* (Guenée, 1852) *(Nonagria)* R -- -- -- -- BC AB SK MB ON QC E NF NB NS --
NOTE: The LB record by The Lepidopterists' Society (2006) is erroneous, it is from Deer Lake, which is in NF.
orientalis (Grote, 1882) *(Tapinostola)*
variana (Morrison, 1876) *(Tapinostola)*
932428 *basistriga* (McDunnough, 1933) *(Calamia)* R AK YT NT -- BC AB SK MB ON QC LB NF -- -- --
932429 *rufostrigata* (Packard, 1867) *(Leucania)* R U -- NT -- BC AB SK MB -- QC LB -- U -- --
NOTE: The AK record by Forbes (1954) could not be verified, and this species was not reported from AK by Ferris et al. (2012). Records from NB by Troubridge & Lafontaine (2003) and Webster et al. (2005) are also unverified.
punctivena (Smith, 1894) *(Caradrina)*
rufostriga Hampson, 1910 *(Hypocoena)*
932430 *stigmatica* (Eversmann, 1855) *(Leucania)** R AK -- -- -- -- -- -- -- -- -- -- -- -- --

***Benjaminiola* Strand, 1928**

932433 *colorada* (Smith, 1900) *(Arsilonche)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
cirphidia (Hampson, 1910) *(Cea)*
colorado McDunnough, 1938 *(Benjaminiola)*
leucanidia (Hampson, 1910) *(Cea)*

***Rhizedra* Warren, 1911**

932437 *lutosa* (Hübner, [1803]) *(Noctua)*+ R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
bathyerga (Boie, 1835) *(Noctua)*
crassicornis (Haworth, 1809) *(Noctua)*
griseata Warren, 1911 *(Rhizedra)*
pilicornis (Haworth, 1812) *(Noctua)*
vectis (Curtis, 1833) *(Nonagria)*

***Capsula* Fibiger, Zilli, Rinkay & Goldstein, 2005**
Archanara Walker, 1866

932438 *oblonga* (Grote, 1882) *(Nonagria)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
permagna (Grote, 1883) *(Nonagria)*
subcarnea (Kellicott, 1883) *(Nonagria)*
932439 *subflava* (Grote, 1882) *(Nonagria)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --
932441 *laeta* (Morrison, 1875) *(Nonagria)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

***Macronoctua* Grote, 1874**

932442 *onusta* Grote, 1874 *(Macronoctua)* R -- -- -- -- XI -- -- -- ON QC -- -- NB NS PE
NOTE: This species was reported from BC by Cannings & Scudder (2007) based on a single specimen that was brought in with eastern plant material (GRP, *in litt.*).

***Helotropha* Lederer, 1857**

932443 *reniformis* (Grote, 1874) *(Luperina)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE
atra Grote, 1874 *(Helotropha)*
insignata (Strand, 1916) *([unknown])*

***Achatodes* Guenée, 1852**

932444 *zeae* (Harris, 1841) *(Gortyna)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
sandix Guenée, 1852 *(Achatodes)*

***Amphipoea* Billberg, 1820**

932446 *interoceanica* (Smith, 1899) *(Hydroecia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
NOTE: Lafontaine & Troubridge (2011) excluded this from their BC list, stating that the BC material had been redetermined as *A. americana* (Speyer). However, a specimen in the CNC from Duncan (BC) has recently been confirmed via genitalic dissection as *A. interoceanica* (Pohl et al. 2015b).
932447 *americana* (Speyer, 1875) *(Hydroecia)* R AK -- NT -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Historical North American records of *A. nictitans*, and "*nictitans* var. *erythrostigma* Haworth" refer to *A. americana*. Both *nictitans* and *erythrostigma* are synonyms of *Amphipoea oculea*, which is strictly Palaearctic.
atlantica (Smith, 1899) *(Hydroecia)*
lusca (Smith, 1891) *([unknown])*
nictitans of authors (not Linnaeus, 1767) *(Noctua)*
932448E *pacifica* (Speyer, 1875) *(Hydroecia)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: This species was reported from BC by Cannings & Scudder (2007), based on misidentified material. All BC *Amphipoea* has been redetermined as *A. americana*, except for the sole specimen of *A. interoceanica* discussed above (Pohl et al. 2015b).

Hydraecia Guenée, 1841

932455 *medialis* (Smith, 1892) *(Hydroecia)* R -- -- -- -- BC AB SK -- -- -- -- -- E -- --
NOTE: An old NB record by McIntosh (1899a) is deemed erroneous, this is a strictly western species.
pallescens (Smith, 1899) *(Hydroecia)*

932456 *obliqua* (Harvey, 1876) *(Gortyna)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: The Hanham (1901) MB record is assumed to refer to *H. perobliqua*, described in 1910.
columbia (Barnes & Benjamin, 1924) *(Gortyna)*
ximena (Barnes & Benjamin, 1924) *(Gortyna)*

932457 *immanis* (Guenée, 1852) *(Hydroecia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- E
NOTE: The PE record by Lafontaine et al. (2001) is a databasing error.

932458 *micacea* (Esper, 1789) *(Phalaena)*+ R -- -- -- -- E -- -- -- ON QC -- NF NB NS PE
NOTE: This introduced species was reported in error from BC by Smith (1994). It is not known to occur west of ON (Belton 1988), but it is moving westward.
cypriaca (Hübner, 1803) *(Noctua)*
viola (Bryk, 1949) *(Hydroecia)*

932459 *perobliqua* (Hampson, 1910) *(Hydroecia)* R -- -- -- -- BC AB SK MB ON -- -- -- -- -- --

932460 *stramentosa* (Guenée, 1852) *(Hydroecia)* R -- -- -- -- -- -- -- U ON QC -- -- -- -- --
NOTE: The MB records by Troubridge & Lafontaine (2003) and Powell & Opler (2009) could not be verified.
diplocyma (Hampson, 1910) *(Hydroecia)*

932461 *intermedia* (Barnes & Benjamin, 1924) *(Gortyna)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

Parapamea Bird, 1927

932464 *buffaloensis* (Grote, 1877) *(Ochria)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
latia (Strecker, 1899) *(Hydroecia)*
simplicissima (Bird, 1916) *([unknown])*

Papaipema Smith, 1899

932465 *unimoda* (Smith, 1894) *(Hydroecia)* R -- -- -- -- -- AB SK MB ON QC -- NF NB NS PE
frigida (Smith, 1899) *(Hydroecia)*
imperspicua Bird, 1908 *(Papaipema)*
perobsoleta (Lyman, 1905) *([unknown])*
terminalis Strand, 1916 *(Papaipema)*
thalictri (Lyman, 1905) *(Gortyna)*

932466 *cerina* (Grote, 1874) *(Gortyna)* R -- -- -- -- -- -- SK MB ON -- -- -- -- -- --

932467 *appassionata* (Harvey, 1876) *(Gortyna)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
NOTE: The MB record by Hanham (1899) could not be verified. It is a distinctive species so the record is accepted; it feeds on Purple Pitcherplant (*Sarracenia purpurea*), which occurs in the province.
horni Strand, 1914 *(Papaipema)*

932468 *furcata* (Smith, 1899) *(Hydroecia)* R -- -- -- -- -- -- P MB ON QC -- -- -- -- --

932470 *cerussata* (Grote, 1864) *(Gortyna)* R -- -- -- -- -- -- -- E ON E -- -- E -- --
NOTE: Historical records from MB by Crumb (1956), and from NB by McIntosh (1899a) are assumed to be erroneous, this species is known in Canada only from southern ON. The host plant (*Vernonia* spp.) does not occur in NB. The erroneous QC record by Winn (1912) was pointed out by Handfield et al. (1997).
cerrussata Smith, 1899 *(Papaipema)*

932472E *marginidens* (Guenée, 1852) *(Gortyna)* E -- -- -- -- -- E E E E E -- -- -- -- --
NOTE: Most reports of this species in Canada refer to *P. insulidens*. Specimens from southern ON have been redetermined recently by BCS as *P. baptisiae*.

932473 *nepheleptena* (Dyar, 1908) *(Gortyna)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
moeseri Bird, 1911 *(Papaipema)*

932475 *speciosissima* (Grote & Robinson, 1868) *(Gortyna)* R -- -- -- -- -- -- -- -- ON QC -- -- -- U --
NOTE: The Forbes (1954) record from NS could not be verified, but is plausible.
regalis Wyatt & Beer, 1927 *(Papaipema)*

932476 *inquaesita* (Grote & Robinson, 1868) *(Gortyna)* R -- -- -- -- -- -- -- -- ON QC P -- NB NS --
wyatti Barnes & Benjamin, 1929 *(Papaipema)*

932477 *circumlucens* (Smith, 1899) *(Hydroecia)* R -- -- -- -- -- -- SK MB -- E -- -- -- -- --
NOTE: The QC record by Crumb (1956) is erroneous, this species does not occur in eastern Canada.
humuli Bird, 1915 *(Papaipema)*
ochropenta Bird, 1916 *(Papaipema)*
ochroptena (Dyar, 1908) *(Gortyna)*

932480 *insulidens* (Bird, 1902) *(Hydroecia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
birdi (Dyar, 1908) *(Gortyna)*
nephrasyntheta (Dyar, 1908) *(Gortyna)*
pertincta Dyar, 1920 *(Papaipema)*

932482E *astuta* Bird, 1907 *(Papaipema)* E -- -- -- -- -- -- -- E E -- -- -- -- -- --
NOTE: Reported from MB by Forbes (1954) as "*P. astuta*, race *verona* (Smith)". *Papaipema verona* is now treated as a synonym of *P. harrisii*; *P. astuta* is not known from Canada. The unvouchered Riotte (1992) record from ON is also deemed erroneous.

932483 *harrisii* (Grote, 1881) *(Gortyna)* R -- -- -- -- -- AB SK MB ON QC -- E NB NS --
NOTE: The NF record by Forbes (1954) could not be verified, and was not repeated by Morris (1980) and others so it is assumed to be erroneous.
anargyrea (Dyar, 1908) *(Gortyna)*
anargyria Bird, 1944 *(Papaipema)*
harrisi of authors, [no date] *(Papaipema)*
mulieris Strand, 1916 *(Papaipema)*
rubiginosa Bird, 1911 *(Papaipema)*
verona (Smith, 1899) *(Hydroecia)*

932485E *sauzalitae* (Grote, 1875) *(Ochria)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Sanders (1991) is assumed to be erroneous; this species is otherwise known only from CA.

932487 *lysimachiae* Bird, 1914 *(Papaipema)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

932488 *leucostigma* (Harris, 1841) *(Gortyna)* R -- -- -- -- -- -- SK MB ON QC -- -- NB -- --
luteipicta Strand, 1916 *(Papaipema)*
purpurifascia (Grote & Robinson, 1868) *(Gortyna)*

932489 *pterisii* Bird, 1907 *(Papaipema)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS PE
pterissi Moore, 1955 *(Papaipema)*
triorthia (Dyar, 1908) *(Gortyna)*

932492 *arctivorens* Hampson, 1910 *(Papaipema)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
artivorens Muller, 1965 *(Papaipema)*

932493 *rutila* (Guenée, 1852) *(Gortyna)* R -- -- -- -- -- -- -- E ON -- -- -- E -- --
NOTE: No vouchers are known for old MB records by Hanham (1899) and Heath (1911); Brodie (1929) could not verify them either, so they are deemed erroneous. No vouchers are known for the old NB record by McIntosh (1904), so it is deemed erroneous as well. The host plant Mayapple (*Podophyllum peltatum* L.) does not occur in MB or NB.
baptisiae of authors not Bird, 1902 *(Papaipema)*
merricata of authors, [no date] *(Papaipema)*
merriccata Bird, 1907 *(Papaipema)*
merrickata McDunnough, 1938 *(Papaipema)*
placida Bird, 1921 *(Papaipema)*

932494 *baptisiae* (Bird, 1902) *(Hydroecia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
depictata Benjamin, 1933 *(Papaipema)*
vaha Benjamin, 1933 *(Papaipema)*

932496E *duovata* (Bird, 1902) *(Hydroecia)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Riotte (1992) is deemed erroneous; this species is restricted to seashore habitats and no authentic Canadian specimens are known.

932497 *cataphracta* (Grote, 1864) *(Gortyna)* R -- -- -- -- -- -- SK MB ON QC -- NF -- -- --

932499 *aerata* (Lyman, 1901) *(Gortyna)* R -- -- -- -- -- -- -- -- -- QC -- -- -- -- --
fluxa Bird, 1911 *(Papaipema)*

932500 *impecuniosa* (Grote, 1881) *(Gortyna)* R -- -- -- -- -- E -- -- ON QC -- U NB NS PE
NOTE: Reports from AB by Dod (1905) and Forbes (1954) are assumed to be erroneous, as no vouchers are known of this species in western Canada. They probably refer to *P. harrisii*, a very similar species. Morris (1980) reported the occurrence of this species in NF as uncertain.

932501 *nebris* (Guenée, 1852) *(Gortyna)* R -- -- -- -- -- -- -- MB ON EP -- E E -- --
NOTE: Crumb (1956) reported this species as "generally distributed in the USA east of the Rocky Mountains, and in the adjacent parts of Canada". This species is not known west of MB in Canada. Records from QC, NF, and NB are erroneous, based on the very similar *P. nelita*.
nitela (Guenée, 1852) *(Gortyna)*
nitella Morris, 1860 *(Papaipema)*

932502 *eupatorii* (Lyman, 1905) *(Gortyna)* R -- -- -- -- -- -- -- U ON QC -- -- NB NS --
NOTE: The MB record by Brodie (1929), from Winnipeg, could not be verified.

932505 *rigida* (Grote, 1877) *(Gortyna)* R -- -- -- -- -- -- P MB ON QC -- -- NB -- --

932506 *nelita* (Strecker, 1898) *(Hydroecia)* R -- -- -- -- -- -- P MB ON QC -- -- NB NS --
engelhardti Bird, 1939 *(Papaipema)*
errans Barnes & McDunnough, 1912 *(Papaipema)*

linda Bird, 1916 *(Papaipema)*
melita Tietz, 1936 *(Papaipema)*
orbicularis Strand, 1916 *(Papaipema)*

932507 *aweme* (Lyman, 1908) *(Gortyna)* R -- -- -- -- -- -- SK MB ON P -- -- -- -- --
NOTE: This species was listed as possible for QC by Handfield (2011). It is listed as "Endangered" in Canada by COSEWIC (2016).
aveme Hampson, 1910 *(Papaipema)*

932509 *maritima* Bird, 1909 *(Papaipema)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

932510 *necopina* (Grote, 1876) *(Gortyna)* R -- -- -- -- -- -- -- -- ON E -- -- -- -- --
NOTE: No vouchers are known to support the Montreal (QC) record by Winn (1912) and it was not repeated by later workers. Handfield et al. (1997) considered the QC record erroneous and suggested it was likely based on a misidentification of *P. nebris*, which is now thought to represent *P. nelita* (see note under that species).
imperturbata Smith, 1907 *(Papaipema)*
mulleri Buchholz, 1956 *(Papaipema)*

tribe Arzamini Grote, 1883

Bellura Walker, 1865

Arzama Walker, 1865

932513 *gortynoides* Walker, 1865 *(Bellura)* R -- -- -- -- E E E E ON E -- E E E --
NOTE: All Canadian records outside of Carolinian forest habitats in southern ON are erroneous. Most of those erroneous records refer to *B. vulnifica*, although the BC record by ESBC (1906) is probably based on a misidentification of *B. obliqua*.

932514 *vulnifica* (Grote, 1873) *(Arzama)* R -- -- -- -- -- AB SK P ON QC -- NF NB NS --
diffusa (Grote, 1878) *(Arzama)*
melanopyga (Grote, 1881) *(Arzama)*

932515 *brehmei* (Barnes & McDunnough, 1916) *(Arzama)* R -- -- -- -- -- -- -- -- -- -- -- -- -- NS --
NOTE: New for Canada, based on material in the CNC.

932517 *obliqua* (Walker, 1865) *(Edema)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *obliqua* (Walker, 1865) *(Edema)*
obliquata (Grote & Robinson, 1868) *(Arzama)*
b *pallida* Barnes & Benjamin, 1924 *(Bellura)*
c *gargantua* (Dyar, 1913) *(Sphida)*

932518 *densa* (Walker, 1865) *(Arzama)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
NOTE: Handfield (2011) reports QC records as "*Bellura* species near *densa*", but they are provisionally placed here pending description of a new species.
oecogenes (Dyar, 1913) *(Sphida)*

tribe Xylenini Guenée, 1837

subtribe Xylenina Guenée, 1837

Xylena Ochsenheimer, 1816

932519 *nupera* (Lintner, 1874) *(Calocampa)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE

932520 *curvimacula* (Morrison, 1874) *(Calocampa)* R -- -- -- -- BC AB SK MB ON QC E NF NB NS --
NOTE: The LB record by Troubridge & Lafontaine (2003) could not be verified and is deemed erroneous.

932521 *thoracica* (Putnam-Cramer, 1886) *(Calocampa)* R AK YT -- -- BC AB SK MB ON QC -- NF NB NS --
brillians (Ottolengui, 1902) *(Calocampa)*

932522 *cineritia* (Grote, 1875) *(Calocampa)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS --
a *cineritia* (Grote, 1875) *(Calocampa)* u u -- -- -- u u u u u u u u u u --
b *mertena* (Smith, 1909) *(Calocampa)* r u -- -- -- bc u -- -- -- -- -- -- -- -- --

932523 *brucei* (Smith, 1892) *(Calocampa)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Lithomoia Hübner, 1821

932524 *germana* (Morrison, 1875) *(Calocampa)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical records of the Palaearctic species *L. solidaginis* in NA refer to *L. germana* (Kononenko et al. 1989).
albertae McDunnough, 1938 *(Lithomoia)*
cinerascens (Staudinger, 1871) *(Calocampa)*

morrisoni Barnes & Benjamin, 1922 *(Lithomoia)*
pallida (Tutt, 1892) *([unknown])*
solidaginis of authors (not Hübner, 1803) *(Noctua)*
suffusa (Tutt, 1902) *([unknown])*

Homoglaea Morrison, 1876

932526	*californica* (Smith, 1891) *(Orrhodia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
	insinuata (Smith, 1905) *(Orrhodia)*																	
932527	*hircina* Morrison, 1876 *(Homoglaea)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE	
932528	*dives* Smith, 1907 *(Homoglaea)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
932529	*carbonaria* (Harvey, 1876) *(Lithophane)*	R	--	YT	--	--	BC	AB	SK	E	--	--	--	--	--	--	--	

NOTE: Historical records from MB are unvouchered and assumed to be erroneous.

Litholomia Grote, 1875

932530	*napaea* (Morrison, 1874) *(Scopelosoma)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE	
a	*napaea* (Morrison, 1874) *(Scopelosoma)*	r	u	--	--	--	u	u	sk	mb	on	qc	--	nf	nb	ns	pe	
	napaea Grote, 1875 *(Litholomia)*																	
b	*umbrifasciata* Blackmore, 1923 *(Litholomia)*	r	u	--	--	--	bc	u	--	--	--	--	--	--	--	--	--	

Lithophane Hübner, 1821

Graptolitha Hübner, 1821

932531	*semiusta* Grote, 1874 *(Lithophane)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	--	--	
932532	*patefacta* (Walker, 1858) *(Xylina)*	R	--	--	--	--	E	--	--	--	ON	QC	--	--	--	--	--	

NOTE: This species was reported on several historical BC checklists, but no authentic material is known in Canada west of ON.

	niveocosta Franclemont, 1942 *(Lithophane)*																	
932533	*bethunei* (Grote & Robinson, 1868) *(Xylina)*	R	--	--	--	--	--	P	SK	MB	ON	QC	--	--	NB	NS	PE	
	duscalis Franclemont, 1942 *(Lithophane)*																	
	luteocosta Franclemont, 1942 *(Lithophane)*																	
932534	*innominata* (Smith, 1893) *(Xylina)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE	
	illecebra Franclemont, 1942 *(Lithophane)*																	
932536	*petulca* Grote, 1874 *(Lithophane)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE	
	ferrealis Grote, 1874 *(Lithophane)*																	
932537	*disposita* Morrison, 1874 *(Lithophane)*	R	--	--	--	--	U	AB	SK	MB	ON	QC	--	--	NB	NS	--	

NOTE: This occasional pest of fruit trees was reported from BC by Belton (1988), but no BC vouchers are known.

	argillocosta Franclemont, 1942 *(Lithophane)*																	
932538	*hemina* Grote, 1874 *(Lithophane)*	R	--	--	--	--	--	--	--	E	ON	QC	--	--	NB	NS	PE	

NOTE: The MB record by Heath (1904) was not repeated by later workers and is deemed erroneous. No vouchers could be located in the Heath voucher collection at the UMB.

	lignicosta Franclemont, 1942 *(Lithophane)*																	
932539	*lanei* Troubridge, 2006 *(Lithophane)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
932541	*oriunda* Grote, 1874 *(Lithophane)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--	
	canentissima Franclemont, 1942 *(Lithophane)*																	
932542	*signosa* (Walker, 1857) *(Xylina)*	R	--	--	--	--	--	--	--	E	ON	QC	--	--	--	E	--	

NOTE: The MB record by Hanham (1899) is deemed erroneous, as it has not been reported on subsequent lists and no vouchers of this species are known west of ON in Canada. The QC record by Winn (1912) was deemed erroneous by Handfield et al. (1997), but more recent QC records have since been confirmed. The NS record by Perrin & Russell (1912) was not repeated by Ferguson (1954) and is hereby deemed erroneous, likely based on misidentified *L. petulca*.

	pallidicosta Franclemont, 1942 *(Lithophane)*																	
932544	*amanda* (Smith, 1900) *(Xylina)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--	
	pallidior (Strand, 1916) *(Graptolitha)*																	
932545	*pexata* Grote, 1874 *(Lithophane)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE	
a	*pexata* Grote, 1874 *(Lithophane)*	r	u	--	--	--	u	ab	sk	mb	on	qc	--	nf	nb	ns	pe	
b	*washingtonia* Grote, 1883 *(Lithophane)*	r	u	--	--	--	bc	u	--	--	--	--	--	--	--	--	--	
932546	*dilatocula* (Smith, 1900) *(Xylina)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
932547	*thaxteri* Grote, 1874 *(Lithophane)*	R	AK	--	U	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--	

NOTE: The NT record by Prentice (1962) could not be verified. Forbes (1948) listed this species as a race of the Palaearctic species *L. lamda* (Fabricius).

alaskensis (Barnes, 1928) *(Graptolitha)*
rosetta (Barnes, 1928) *(Graptolitha)*

932548 *fagina* Morrison, 1874 *(Lithophane)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
NOTE: Forbes (1948) listed this species as a race of the Palaearctic species *L. lamda* (Fabricius).

932549 *baileyi* Grote, 1877 *(Lithophane)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
vivida (Dyar, 1910) *(Graptolitha)*

932550 *querquera* Grote, 1874 *(Lithophane)* R -- -- -- -- -- -- -- -- ON E -- -- -- -- --
NOTE: Historical records by Winn (1912), Riotte (1992), and others refer to the recently described *L. scottae*, but true *L. querquera* has been confirmed in southern ON recently, collected in 2015 by JTT.
nigrescens (Engel, 1905) *(Xylina)*

932551 *scottae* Troubridge, 2006 *(Lithophane)* R -- -- -- -- -- -- -- -- ON U -- -- -- -- --
NOTE: The old QC record by Winn (1912) as *L. querquera* could not be verified, but the species almost certainly occurs in QC in the area adjacent to Ottawa (ON).

932553 *tepida* Grote, 1874 *(Lithophane)* R -- -- -- -- E E E MB ON QC -- -- NB NS --
NOTE: Historical reports of this species in western Canada refer to *L. baileyi*; true *L. tepida* does not occur west of MB.

a *tepida* Grote, 1874 *(Lithophane)* r -- -- -- -- -- -- -- -- on qc -- -- nb ns --

b *atincta* (Smith, 1905) *(Xylina)* r -- -- -- -- e e e mb -- -- -- -- -- -- --

932556 *atara* (Smith, 1909) *(Xylina)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

932558 *lepida* Grote, 1878 *(Lithophane)* R -- -- -- -- E E E E ON QC -- NF NB NS --
NOTE: Historical records west of ON are erroneous, and refer to *L. adipel*.
lepida Lintner, 1878 *(Lithophane)*

932559 *adipel* (Benjamin, 1936) *(Graptolitha)* R -- -- -- -- -- AB SK U ON P -- -- -- -- --
NOTE: No vouchers are known to support the MB record by Troubridge & Lafontaine (2003). No other species in the region could be confused with it.

932560 *ponderosa* Troubridge & Lafontaine, 2003 *(Lithophane)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

932564E *gausapata* Grote, 1883 *(Lithophane)* E -- -- -- -- E -- -- -- -- E -- -- -- -- --
NOTE: The QC record by Winn (1912) is a misidentification of *L. hemina* (Handfield et al. 1997). The BC record by Anderson (1904) is also assumed to be a misidentification; no true *L. gausapata* are known from Canada.

932565 *itata* (Smith, 1899) *(Xylina)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

932566E *lemmeri* (Barnes & Benjamin, 1929) *(Graptolitha)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Riotte (1992) is erroneous. Eastern Canadian material has been recently described as *L. thujae* (Webster & Thomas 1999).

932571 *thujae* Webster & Thomas, [2000] *(Lithophane)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

932572 *contenta* Grote, 1880 *(Lithophane)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Hanham (1899) was deemed erroneous by Heath (1904).
pomona (Smith, 1899) *(Xylina)*

932573 *georgii* Grote, 1875 *(Lithophane)* R AK -- NT -- BC AB SK MB ON QC -- NF NB NS PE

a *georgii* Grote, 1875 *(Lithophane)* r -- -- -- -- -- -- -- -- on qc -- u u u u

b *emarginata* (Smith, 1900) *(Xylina)* u -- -- -- -- -- -- -- u -- -- -- -- -- -- --

c *holocinerea* (Smith, 1900) *(Xylina)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

d *ancilla* (Smith, 1904) *(Xylina)* r -- -- -- -- u ab sk mb -- -- -- -- -- -- --

e *vertina* (Smith, 1904) *(Xylina)* u -- -- -- -- u -- -- -- -- -- -- -- -- -- --

f *fletcheri* (Smith, 1904) *(Xylina)* r -- -- -- -- -- u u u on u -- u u u u

g *oregonensis* Harvey, 1876 *(Lithophane)* u -- -- -- -- u e -- e -- -- -- -- -- -- --

932577 *antennata* (Walker, 1858) *(Xylina)* R -- -- -- -- E E -- MB ON QC -- -- NB NS --
NOTE: This pest of apple trees (*Malus* spp.) was reported from western Canada by Belton (1988), who described an infestation in apple orchards at Kamloops in the 1940s and reported a "large population increase in AB in the 1980s", but there are no known specimens west of MB. That report is assumed to be a misidentification of specimens of *L. georgii*.
cinerea (Riley, 1871) *(Xylina)*

932578E *torrida* (Smith, 1899) *(Xylina)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Reports from BC by Jones (1951) and other early workers refers to *L. pertorrida* (Lafontaine & Troubridge 2011).

932579 *pertorrida* (McDunnough, 1942) *(Graptolitha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

932580 *laticinerea* Grote, 1874 *(Lithophane)* R -- -- -- -- -- P SK MB ON QC -- -- NB NS --

a *laticinerea* Grote, 1874 *(Lithophane)* r -- -- -- -- -- -- -- u on qc -- -- nb ns --

b *winnipeg* (Smith, 1900) *(Xylina)* r -- -- -- -- -- p sk mb -- -- -- -- -- -- --

932581 *grotei* (Riley, 1882) *(Xylina)* R -- -- -- -- -- -- -- E ON QC -- -- NB NS --
NOTE: The MB record by Heath (1904) is assumed to be erroneous; no vouchers could be located in Heath's voucher collection at the UMB, and the species is otherwise not known west of ON.
cinerosa Grote, 1879 *(Lithophane)*

932582 *unimoda* (Lintner, 1878) *(Xylina)* R -- U -- -- -- AB SK MB ON QC -- -- NB NS PE
NOTE: The YT record by Prentice (1962) could not be verified.

a *unimoda* (Lintner, 1878) *(Xylina)* r -- -- -- -- -- -- -- u on qc -- -- nb ns pe

b *merceda* (Smith, 1904) *(Xylina)* r -- u -- -- -- ab sk mb -- -- -- -- -- -- --

Pyreferra Franclemont, 1937

932583 *hesperidago* (Guenée, 1852) *(Hoporina)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
graefiana (Grote, 1874) *(Scopelosoma)*
indirecta (Walker, 1857) *(Xanthia)*
moffatiana (Grote, 1882) *(Scopelosoma)*

932584 *citrombra* Franclemont, 1941 *(Pyreferra)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --

932585 *ceromatica* (Grote, 1874) *(Scopelosoma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

932586 *pettiti* (Grote, 1874) *(Scopelosoma)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

Eupsilia Hübner, 1821

tax info: Lavitt & Wagner (2016)

932587 *vinulenta* (Grote, 1864) *(Dichagramma)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
walkerii (Grote, 1864) *(Dichagramma)*

932588 *sidus* (Guenée, 1852) *(Scopelosoma)* R -- -- -- -- E -- SK MB ON QC -- -- NB U --
NOTE: Reports of this species from BC by Prentice (1962) and Crumb (1956) are deemed erroneous. The NS records by Perrin & Russell (1912), Crumb (1956), and Belton (1988) are unvouchered but plausible.
valceri (Hampson, 1906) *(Conistra)*

932589E *cirripalea* Franclemont, 1952 *(Eupsilia)* E -- -- -- -- -- -- E E -- -- -- -- -- -- --
NOTE: Records from SK (Hooper 1992) and MB (Forbes 1954) are erroneous.

932589.1 *schweitzeri* Lavitt & Wagner, 2016 *(Eupsilia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

932590 *tristigmata* (Grote, 1877) *(Scopelosoma)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
trisignata Forbes & Franclemont, 1954 *(Eupsilia)*

932591 *morrisoni* (Grote, 1874) *(Scopelosoma)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --
castanea (Strand, 1916) *(Conistra)*
opaca Chermock & Chermock, 1940 *(Eupsilia)*

932593 *fringata* (Barnes & McDunnough, 1916) *(Conistra)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

932594 *devia* (Grote, 1875) *(Scopelosoma)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE

Sericaglaea Franclemont, 1941

932595EP *signata* (French, 1879) *(Orthosia)* EP -- -- -- -- -- E -- -- -- P -- -- -- -- --
NOTE: The AB record by Bowman (1951) is a misidentification; there are no confirmed records of this species in nNA but it is expected in QC.

Metaxaglaea Franclemont, 1937

tax info: Schweitzer (1979)

932597 *inulta* (Grote, 1874) *(Orthosia)* R -- -- -- -- -- -- P MB ON QC -- -- NB NS PE

932598 *viatica* (Grote, 1874) *(Orthosia)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: This species was collected for the first time in Canada, in southern ON, by JTT in 2015.

Epiglaea Grote, 1878

932602 *decliva* (Grote, 1874) *(Orthosia)* R -- -- -- -- -- AB SK MB ON QC -- -- -- NS --
deleta (Grote, 1877) *(Glaea)*

932603 *apiata* (Grote, 1874) *(Orthosia)* R -- -- -- -- E E E E ON QC -- NF NB NS PE
NOTE: Western records of this species are deemed erroneous; no vouchers are known west of eastern ON.
pastillicans (Morrison, 1875) *(Glaea)*

Chaetaglaea Franclemont, 1943

tax info: Franclemont (1943)

932604 *cerata* Franclemont, 1943 *(Chaetaglaea)* R -- -- -- -- -- -- -- MB ON QC -- -- -- -- --

932606 *tremula* (Harvey, 1875) *(Glaea)* U -- -- -- -- -- -- -- -- E U -- -- -- -- --
NOTE: ON records of this species refer to the recently described *C. rhonda* (Stead & Troubridge 2015). However, the old QC record, based on a single specimen collected at Montreal in 1903 (specimen in the LEMQ) requires verification. There are no known dunes (the habitat of *C. rhonda*) in the Montreal area. We list the QC record as unconfirmed, pending re-examination of the specimen. True *C. tremula* is otherwise restricted to southeastern USA.

932606.1 *rhonda* Stead & Troubridge, 2015 *(Chaetaglaea)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

932607 *sericea* (Morrison, 1874) *(Glaea)* R -- -- -- -- -- -- P MB ON QC -- -- NB NS --
venustula (Grote, 1875) *(Glaea)*

***Psectraglaea* Hampson, 1906**

932608 *carnosa* (Grote, 1877) *(Glaea)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

***Eucirroedia* Grote, 1875**

932609 *pampina* (Guenée, 1852) *(Cirroedia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
a *pampina* (Guenée, 1852) *(Cirroedia)*
brunneoochracea (Strand, 1916) *(Atethmia)*
pampinella (Strand, 1916) *(Atethmia)*
b *glenwoodi* (Barnes & Benjamin, 1922) *(Atethmia)*

***Mesogona* Boisduval, 1840**
tax info: Crabo & Hammond (1997)

932610 *olivata* (Harvey, 1874) *(Glaea)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
blanda (Grote, 1876) *(Choephora)*
decepta (Grote, 1881) *(Pseudoglaea)*
taedata (Grote, 1876) *(Pseudoglaea)*
932612 *subcuprea* Crabo & Hammond, [1998] *(Mesogona)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- --

***Agrochola* Hübner, 1821**

932613 *purpurea* (Grote, 1874) *(Orthosia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
antapica (Smith, 1907) *(Orthosia)*
crispa (Harvey, 1875) *(Orthosia)*
formica Rindge, 1955 *(Agrochola)*
fornica (Smith, 1907) *(Orthosia)*
932614 *pulchella* (Smith, 1900) *(Xanthia)* R AK -- -- -- BC -- -- -- -- -- -- -- -- --
932615 *lota* (Clerck, 1759) *(Phalaena)*+ R -- -- -- -- -- -- E -- -- -- NF -- -- --
NOTE: All reports of this species in NA outside of NF refer to *Nephelodes minians*.
americana (Morrison, 1875) *(Orthosia)*
hippophaes (Goeze, 1781) *(Phalaena)*
munda Hübner, 1803 *(Agrochola)*
pallida (Tutt, 1892) *([unknown])*
rufa (Tutt, 1892) *([unknown])*
subdita (Warren, 1910) *([unknown])*
suffusa (Tutt, 1892) *([unknown])*

***Sunira* Franclemont, 1950**

932616 *bicolorago* (Guenée, 1852) *(Xanthia)* R AK -- -- -- U AB SK MB ON QC -- NF NB NS PE
NOTE: Historical BC records could not be verified, but the species likely occurs there.
ferrugineoides (Guenée, 1852) *(Xanthia)*
spurcata (Walker, 1857) *(Xanthia)*
straminea (Smith, 1907) *(Orthosia)*
932617 *decipiens* (Grote, 1881) *(Orthosia)* R -- -- -- -- BC U -- E -- -- -- -- -- -- --
NOTE: Report of this species from MB by Heath (1904) is deemed erroneous; the species is not known east of the Rocky Mountains. The AB record by Forbes (1954) could not be verified, but is plausible in the southwestern part of the province.
acta (Smith, 1907) *(Orthosia)*
932618 *verberata* (Smith, 1904) *(Orthosia)* R AK -- -- -- BC AB SK MB -- QC -- -- NB NS --

***Anathix* Franclemont, 1937**

932619 *ralla* (Grote & Robinson, 1868) *(Xanthia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- PE

932620	*puta* (Grote & Robinson, 1868) *(Xanthia)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	--	NB	NS	PE	
a	*puta* (Grote & Robinson, 1868) *(Xanthia)*	r	--	--	--	--	--	--	--	u	on	qc	lb	--	nb	ns	pe	
	euroa (Grote & Robinson, 1873) *(Xanthia)*																	
b	*dusca* (Smith, 1908) *(Orthosia)*	r	ak	yt	nt	--	bc	ab	sk	mb	--	--	--	--	--	--	--	
	duscata Smith, 1908 *(Anathix)*																	
932621	*aggressa* (Smith, 1907) *(Orthosia)*	R	--	--	--	--	BC	AB	SK	MB	ON	--	--	--	--	--	--	

Xanthia Ochsenheimer, 1816

tax info: Lafontaine & Mikkola (2003)

932622	*tatago* Lafontaine & Mikkola, 2003 *(Xanthia)*	R	AK	P	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE	

NOTE: Historical reports of the Palaearctic species *X. togata* in NA refer to this species. Some early workers (e.g., Forbes 1954) used the names *X. flavago* and *X. lutea*; both are synonyms of *X. togata*.

flavago of authors (not Fabricius, 1787) *(Noctua)*
lutea of authors (not Ström, 1783) *(Phalaena)*
togata of authors (not Esper, 1788) *(Phalaena)*

Hillia Grote, 1883

932623	*maida* (Dyar, 1904) *(Hadena)*	R	AK	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	
932624	*iris* (Zetterstedt, 1839) *(Hadena)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE	
	crasis (Herrich-Schäffer, 1851) *(Noctua)*																	
	erdmanni (Möschler, 1874) *(Agrotis)*																	
	semisigna (Walker, 1857) *(Orthosia)*																	
	senescens (Grote, 1878) *(Hadena)*																	
	vigilans (Grote, 1878) *(Hadena)*																	

Parastichtis Hübner, 1821

932625	*suspecta* (Hübner, [1817]) *(Noctua)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--	
	discivaria (Walker, 1856) *(Bryophila)*																	
	gentilis (Grote, 1874) *(Taeniosea)*																	
	perbellis (Grote, 1874) *(Taeniosea)*																	

Aseptis McDunnough, 1937

tax info: Mustelin & Crabo (2015)

932626	*fumosa* (Grote, 1879) *(Hadena)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	
932628E	*perfumosa* (Hampson, 1918) *(Trachea)*	E	--	--	--	--	E	--	--	--	--	--	--	--	--	--	--	

NOTE: Records from BC by Jones (1951) and Crumb (1956) are based on misidentified material. This species is known only from CA (Lafontaine & Troubridge 2011).

932634	*binotata* (Walker, 1865) *(Mamestra)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	
	bultata (Smith, 1906) *(Hadena)*																	
	cara (Barnes & McDunnough, 1912) *(Trachea)*																	
	curvata (Grote, 1874) *(Hadena)*																	
	dilara (Strecker, 1899) *(Hadena)*																	
	extersa (Walker, 1865) *(Hadena)*																	
	genetrix (Grote, 1878) *(Hadena)*																	
	inconspicua (Smith, 1893) *(Hadena)*																	
	paviae (Strecker, 1874) *(Taeniocampa)*																	
	rubiginosa (Walker, 1865) *(Miana)*																	
932648	*characta* (Grote, 1880) *(Hadena)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--	
	erica (Smith, 1905) *(Hadena)*																	
	luteocincerea (Smith, 1900) *(Hadena)*																	
	pluraloides (McDunnough, 1922) *(Trachea)*																	

Paraseptis Mustelin & Crabo, 2015
tax info: Mustelin & Crabo (2015)

932648.1 *adnixa* (Grote, 1880) *(Hadena)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Heath (1904) is assumed to be erroneous; no specimens could be located in Heath's voucher collection at the UMB, and the species is otherwise unknown east of BC in Canada.
pausis (Smith, 1899) *(Hadena)*

Epidemas Smith, 1894

932650 *cinerea* Smith, 1894 *(Epidemas)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
932651 *obscurus* Smith, 1903 *(Epidemas)* R -- -- -- -- BC AB P E -- -- -- -- -- -- --
NOTE: The unconfirmed MB record by Pohl et al. (2014) was a databasing error.
melanographa Hampson, 1906 *(Epidemas)*

Brachylomia Hampson, 1906

932653 *populi* (Strecker, 1898) *(Cleoceris)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
albidior Strand, 1916 *(Brachylomia)*
contracta Strand, 1916 *(Brachylomia)*
932654 *algens* (Grote, 1878) *(Hadena)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE
932655E *discolor* (Smith, 1904) *(Cleoceris)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) is erroneous, this species is not known north of ID and WY (Troubridge & Lafontaine 2007).
932656 *discinigra* (Walker, 1856) *(Bryophila)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
932657E *curvifascia* (Smith, 1891) *(Dryobota)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Historical records of this species from BC are based on an earlier taxonomic concept; those records refer to other *Brachylomia* species.
932659E *rectifascia* (Smith, 1891) *(Dryobota)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Historical records of this species from BC refer to *B. cascadia*; true *B. rectifascia* does not occur north of central CA (Troubridge & Lafontaine 2007).
932661 *cascadia* Troubridge & Lafontaine, 2007 *(Brachylomia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
932662 *thula* (Strecker, 1898) *(Hadena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Hyppa Duponchel, 1845
tax info: Troubridge & Lafontaine (2004)

932664 *xylinoides* (Guenée, 1852) *(Hadena)* R -- -- -- -- E E -- MB ON QC LB NF NB NS PE
NOTE: Western Canadian records under this name (or as *H. ancocisconensis*, a synonym) have been recently revised to *H. contrasta* (Troubridge & Lafontaine 2004). *Hyppa xylinoides* does not occur west of MB.
ancocisconensis (Morrison, 1875) *(Hadena)*
contraria (Walker, 1857) *(Xylina)*
932665 *contrasta* McDunnough, 1946 *(Hyppa)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS --
932666 *potamus* Troubridge & Lafontaine, 2004 *(Hyppa)* R -- YT -- -- -- -- -- -- -- -- -- -- -- -- --
932667 *brunneicrista* Smith, 1902 *(Hyppa)* R AK P P -- BC AB P MB P QC LB NF -- -- --
932668 *indistincta* Smith, 1894 *(Hyppa)* R -- -- -- -- BC AB -- -- -- E E NF -- -- --
NOTE: The records from QC and LB by Morris (1980) refer to *H. brunneicrista*.

subtribe Cosmiina Guenée, 1852

Cosmia Ochsenheimer, 1816
tax info: Lafontaine & Troubridge (2003)

932669E *epipaschia* (Grote, 1883) *(Homohadena)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Reports of this species from BC by Blackmore (1927) and Crumb (1956) are erroneous, they refer to *C. praeacuta*.
932670 *praeacuta* (Smith, 1894) *(Platyperigea)* R -- -- -- -- BC AB E E -- -- -- -- -- -- --
NOTE: Powell & Opler (2009) specifically reported this species from SK and MB. However, its host in Canada, Douglas-fir (*Pseudotsuga menziesii* (Mirbel) Franco), does not occur in those provinces.
nigramacula (Barnes & Benjamin, 1926) *(Namangana)*
orae (Barnes & Benjamin, 1926) *(Namangana)*
parvimacula (Smith, 1903) *(Chytonix)*
932671 *elisae* Lafontaine & Troubridge, 2003 *(Cosmia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

932672 *calami* (Harvey, 1876) *(Calymnia)* R -- -- -- -- BC U SK MB ON QC -- -- NB NS --
NOTE: The AB record by Forbes (1954) could not be verified, but its occurrence there is plausible.
calamia McDunnough, 1938 *(Cosmia)*
canescens (Behr, 1885) *(Atethmia)*
orinella (Strand, 1916) *([unknown])*
orinula (Strand, 1916) *([unknown])*

Zotheca **Grote, 1874**

932673 *tranquilla* Grote, 1874 *(Zotheca)* R -- -- -- -- BC U -- -- -- -- -- -- -- -- --
NOTE: The AB record by Crumb (1956) could not be verified, but there is no reason to doubt its occurrence in the mountains and foothills of AB where elderberry (*Sambucus* spp.), its host plant, is found.
sambuci (Strecker, 1874) *(Cosmia)*
viridula Grote, 1878 *(Zotheca)*

Enargia **Hübner, 1821**
tax info: Schmidt (2010)

932674 *decolor* (Walker, 1858) *(Mythimna)* R AK -- NT -- BC AB SK MB ON QC -- NF NB NS PE
NOTE: Historical reports of the Palaearctic species *E. paleacea* in NA refer to this species.
discolor Smith, 1893 *(Enargia)*
mia Strand, 1916 *(Enargia)*
paleacea of authors (not Esper, 1788) *(Noctua)*
sia Strand, 1916 *(Enargia)*
932675 *infumata* (Grote, 1874) *(Orthosia)* R AK YT NT P BC AB SK MB ON QC -- NF NB NS PE
mephisto Franclemont, 1939 *(Enargia)*
punctirena (Smith, 1900) *(Cosmia)*
932676 *fausta* Schmidt, 2010 *(Enargia)* R P P P -- BC AB SK MB ON QC -- P NB P --
NOTE: Most *Enargia* specimens previously identified as *E. infumata* are in fact *E. fausta* (Schmidt 2010). No authentic *E. fausta* material has been verified as yet from AK, YT, NT, NF, or NS.
infumata of authors (not Grote, 1874) *(Orthosia)*

Ipimorpha **Hübner, 1821**

932677 *nanaimo* Barnes, 1905 *(Ipimorpha)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
932678 *viridipallida* Barnes & McDunnough, 1916 *(Ipimorpha)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- --
932679 *pleonectusa* Grote, 1873 *(Ipimorpha)* R -- YT -- -- BC AB SK MB ON QC LB NF NB NS PE
a *pleonectusa* Grote, 1873 *(Ipimorpha)* r -- -- -- -- -- -- -- u on qc lb nf nb ns pe
aequilinea (Smith, 1883) *(Calymnia)*
b *manitobae* McDunnough, 1938 *(Ipimorpha)* r -- yt -- -- bc ab sk mb -- -- -- -- -- -- --
subvexa Grote, 1876 *(Ipimorpha)*

subtribe Antitypina Forbes & Franclemont, 1954

Andropolia **Grote, 1895**

932680 *diversilineata* (Grote, 1877) *(Hadena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
illepida (Grote, 1879) *(Polia)*
resoluta (Smith, 1894) *(Polia)*
submissa Smith, 1911 *(Andropolia)*
932681 *contacta* (Walker, 1856) *(Acronycta)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
a *contacta* (Walker, 1856) *(Acronycta)* r u u nt -- u ab sk mb on qc lb nf nb ns --
aspera (Morrison, 1875) *(Acronycta)*
diffusilis (Harvey, 1878) *(Polia)*
extincta (Smith, 1900) *(Polia)*
sansar (Strecker, 1898) *(Polia)*

	b *pulverulenta* (Smith, 1891) *(Polia)*	r	u	u	--	--	bc	u	--	--	--	--	--	--	--	--	--	--	--
932684	*aedon* (Grote, 1880) *(Polia)*	R	--	--	--	--	BC	AB	SK	--	E	--	--	--	--	--	--	--	--
	NOTE: The ON record by Riotte (1992) could not be verified and is deemed erroneous, likely a misidentification of *A. contacta*.																		
932685	*theodori* (Grote, 1878) *(Apatela)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--
	a *theodori* (Grote, 1878) *(Apatela)*																		
	b *epichysis* (Grote, 1880) *(Polia)*	u	--	--	--	--	u	--	--	--	--	--	--	--	--	--	--	--	--
	c *vancouvera* McDunnough, 1938 *(Andropolia)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--	--	--

***Rhizagrotis* Smith, 1890**
Cerapoda Smith, 1893

932686	*cloanthoides* (Grote, 1881) *(Agrotis)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--	--	--
932687	*albalis* (Grote, 1878) *(Agrotis)*	R	--	--	--	--	--	AB	P	--	--	--	--	--	--	--	--	--	--
	a *albalis* (Grote, 1878) *(Agrotis)*																		
	b *actona* Smith, 1910 *(Rhizagrotis)*	r	--	--	--	--	--	ab	p	--	--	--	--	--	--	--	--	--	--
	defectipes (Dyar, 1921) *(Cerapoda)*																		
932689	*stylata* (Smith, 1893) *(Cerapoda)*	R	--	--	--	--	--	AB	P	--	--	--	--	--	--	--	--	--	--
	a *stylata* (Smith, 1893) *(Cerapoda)*	r	--	--	--	--	--	ab	p	--	--	--	--	--	--	--	--	--	--
	b *arida* (Barnes & Benjamin, 1923) *(Cerapoda)*																		

***Fishia* Grote, 1877**

932691	*discors* (Grote, 1881) *(Hadena)*	R	--	--	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--	--	--
	evelina (French, 1888) *(Hadena)*																		
	hanhami Smith, 1909 *(Fishia)*																		
	vinela Smith, 1904 *(Fishia)*																		
932693	*yosemitae* (Grote, 1873) *(Cucullia)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--		
	betsia Smith, 1905 *(Fishia)*																		
	derelicta (Hampson, 1913) *(Anytus)*																		
	enthea Grote, 1877 *(Fishia)*																		
	exhilarata Smith, 1903 *(Fishia)*																		
	instruta Smith, 1910 *(Fishia)*																		
	tortilis (Grote, 1880) *(Hadena)*																		
932695	*illocata* (Walker, 1857) *(Hadena)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE		
	stigmata (Grote, 1875) *(Dryobota)*																		

***Platypolia* Grote, 1895**

932696	*anceps* (Stephens, 1850) *(Polia)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE		
	acutissima (Grote, 1875) *(Pachypolia)*																		
	aplectoides (Guenée, 1852) *(Hadena)*																		
	confragosa (Morrison, 1875) *(Polia)*																		
	medialis (Grote, 1876) *(Polia)*																		
932697	*contadina* (Smith, 1894) *(Polia)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--
	a *contadina* (Smith, 1894) *(Polia)*																		
	b *albertae* McDunnough, 1935 *(Platypolia)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--	--	--
932698	*loda* (Strecker, 1898) *(Hadena)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--
	a *loda* (Strecker, 1898) *(Hadena)*	r	--	--	--	--	bc	u	--	--	--	--	--	--	--	--	--	--	--
	albiserrata (Smith, 1903) *(Hadena)*																		
	b *gunderi* (Barnes & Benjamin, 1927) *(Eumichtis)*	u	--	--	--	--	--	u	--	--	--	--	--	--	--	--	--	--	--

***Platypolia (prov. plcmt.)* Grote, 1895**

932699	*mactata* (Guenée, 1852) *(Apamea)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE		
	a *mactata* (Guenée, 1852) *(Apamea)*	r	--	--	--	--	--	--	--	u	on	qc	--	--	nb	ns	pe		
	b *allecto* (Smith, 1899) *(Hadena)*	r	--	--	--	--	bc	ab	sk	mb	--	--	--	--	--	--	--	--	--

Xylotype Hampson, 1906

932700E *capax* (Grote, 1868) *(Xylina)* E -- -- -- -- E E E E E -- E -- -- E --
NOTE: Canadian populations traditionally treated as *X. capax* are now recognized as a distinct species, *X. arcadia*. True *X. capax* is restricted to eastern USA.

932701 *arcadia* Barnes & Benjamin, 1922 *(Xylotype)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
acadia Barnes & Benjamin, 1922 *(Xylotype)*

Dryotype Hampson, 1906

932702 *opina* (Grote, 1878) *(Dryobota)* R AK -- -- -- BC U -- -- -- -- -- -- -- -- --
NOTE: Crumb (1956) reported this species from AK to AB, but no AB vouchers have been located.

Mniotype Franclemont, 1941

932703 *adusta* (Esper, 1790) *(Phalaena)** U U -- -- -- -- -- -- -- -- -- -- -- -- --
NOTE: This otherwise Eurasian species was reported from AK by Kononenko et al. (1989); it does not appear to be vouchered in a NA collection. The species was not listed from AK by Ferris et al. (2012).
groelandica (Zetterstedt, 1839) *(Hadena)*
sommeri (Lefèbvre, 1836) *(Hadena)*

932704 *pallescens* McDunnough, 1946 *(Mniotype)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

932705 *ducta* (Grote, 1878) *(Hadena)* R U U -- -- BC AB SK MB ON QC LB NF NB NS --
NOTE: No vouchers are known to support the AK and YT records by Kononenko et al. (1989), but they may exist in a European collection.
moilena (Strecker, 1898) *(Hadena)*
versuta (Smith, 1895) *(Xylophasia)*

932706 *tenera* (Smith, 1900) *(Hadena)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
ferida (Smith, 1908) *(Hadena)*
fervida (Smith, 1908) *(Hadena)*
miniota (Smith, 1908) *(Xylophasia)*

Sutyna Todd, 1958

932707 *privata* (Walker, 1857) *(Polia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
a *privata* (Walker, 1857) *(Gonitis)*
monstrata (Walker, 1857) *(Acronycta)*
obscurus (Smith, 1900) *(Anytus)*
profundus (Smith, 1900) *(Anytus)*
sculpta (Grote, 1873) *(Xylina)*
teltowa (Smith, 1910) *(Anytus)*
tenuilinea (Smith, 1903) *(Anytus)*
b *planus* (Grote, 1882) *(Anytus)*

Pachypolia Grote, 1874

932708P *atricornis* Grote, 1874 *(Pachypolia)* P -- -- -- -- -- -- -- -- P P -- -- -- -- --
NOTE: This species was reported as "probable" for QC by Handfield (2011). It is known from adjacent USA.

subtribe Ufeina Crumb, 1956

Ufeus Grote, 1873
tax info: Lafontaine & Walsh (2013)

932709 *satyricus* Grote, 1873 *(Ufeus)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
a *satyricus* Grote, 1873 *(Ufeus)* r -- -- -- -- u ab sk mb on qc -- -- nb ns --
barometricus (Goossens, 1881) *(Asterocampus)*
b *sagittarius* Grote, 1883 *(Ufeus)* r -- -- -- -- bc ab -- -- -- -- -- -- -- --
electra Smith, 1908 *(Ufeus)*

932710 *plicatus* Grote, 1873 *(Ufeus)* R -- -- -- -- E E E E ON QC -- -- -- -- --
NOTE: Historical records of this species in western Canada refer to *U. hulstii*. *Ufeus plicatus* occurs in Canada only in ON and QC (Lafontaine & Walsh 2013).
coloradica Strand, 1916 *(Ufeus)*
unicolor Grote, 1878 *(Ufeus)*
932711 *hulstii* Smith, 1908 *(Ufeus)* R AK P -- -- BC AB SK MB -- -- -- -- -- -- --

Xylenini (unplaced) Guenée, 1837

Properigea Barnes & Benjamin, 1927

932719 *albimacula* (Barnes & McDunnough, 1912) *(Namangana)*
R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
932720 *costa* (Barnes & Benjamin, 1923) *(Namangana)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
932727 *niveirena* (Harvey, 1876) *(Perigea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
pohono (Smith, 1899) *(Oncocnemis)*

Pseudobryomima Barnes & Benjamin, 1927

932730 *muscosa* (Hampson, 1906) *(Bryomima)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --

Pseudanarta Grote, 1878

932736 *crocea* (Edwards, 1875) *(Anarta)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- -- --
932737 *flava* (Grote, 1874) *(Hadena)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
dupla Smith, 1908 *(Pseudanarta)*

Fagitana Walker, 1865

932749 *littera* (Guenée, 1852) *(Leucania)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
lucidata Walker, 1865 *(Fagitana)*
niveicostatus (Grote, 1874) *(Pseudolimacodes)*

Viridiseptis Mustelin & Crabo, 2015
tax info: Mustelin & Crabo (2015)

932749.1E *marina* (Grote, 1874) *(Hadena)* E -- -- -- -- -- -- -- -- E -- -- -- -- -- --
NOTE: The ON record by Riotte (1992) is erroneous, this species is restricted to CA.

tribe Orthosiini Guenée, 1837

Perigonica Smith, 1890

932754E *pectinata* (Smith, 1888) *(Taeniocampa)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: This species was reported from BC by ESBC (1906) and Blackmore (1927), as well as from the Peace River region of northeastern BC by Shepard (1999) but these are deemed erroneous; no verified Canadian records are known.

Acerra Grote, 1874

932755 *normalis* Grote, 1874 *(Acerra)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --

Stretchia Edwards, 1874
tax info: McDunnough (1949a)

932756 *plusiaeformis* Edwards, 1874 *(Stretchia)* R -- -- -- -- BC AB SK MB ON QC -- -- NB -- --
coloradicola Strand, 1917 *(Stretchia)*
plusiiformis Poole, 1989 *(Stretchia)*
932758 *muricina* (Grote, 1876) *(Acerra)* R -- -- -- -- BC AB P -- -- -- -- -- -- -- --

Orthosia Ochsenheimer, 1816

932763	*pulchella* (Harvey, 1876) *(Graphiphora)*	R	--	--	--	--	BC	P	--	--	--	--	--	--	--	--	--	--	--
	a *pulchella* (Harvey, 1876) *(Graphiphora)*	e	--	--	--	--	e	--	--	--	--	--	--	--	--	--	--	--	--
	addenda (Smith, 1890) *(Taeniocampa)*																		
	orbiculata (Smith, 1911) *(Stretchia)*																		
	palomarensis (Hill, 1924) *(Perographa)*																		
	b *achsha* (Dyar, 1904) *(Perigrapha)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--	--	--
	algula (Smith, 1911) *(Stretchia)*																		
	c *hepatica* (Barnes & McDunnough, 1911) *(Monima)*																		
932764	*transparens* (Grote, 1882) *(Perigrapha)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
	fringata (Smith, 1908) *(Taeniocampa)*																		
	hamifera Grote, 1888 *(Orthosia)*																		
932765	*praeses* (Grote, 1879) *(Perigrapha)*	R	AK	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
	saleppa (Smith, 1907) *(Taeniocampa)*																		
	stigmata (Barnes & Benjamin, 1924) *(Perigrapha)*																		
932766	*mys* (Dyar, 1903) *(Stretchia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
	a *mys* (Dyar, 1903) *(Stretchia)*																		
	b *caloramica* (Barnes & McDunnough, 1911) *(Monima)*																		
	agravens (Barnes & McDunnough, 1911) *(Monima)*																		
932767	*ferrigera* (Smith, 1894) *(Taeniocampa)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
	puncticostata (Dyar, 1921) *(Perigrapha)*																		
	strigatteria (Hill, 1923) *(Perigrapha)*																		
932770	*rubescens* (Walker, 1865) *(Apamea)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	NB	NS	PE		
	rubrescens of authors, [no date] *(Orthosia)*																		
	venata (Smith, 1890) *(Taeniocampa)*																		
932771	*garmani* (Grote, 1879) *(Graphiphora)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--		
932773	*revicta* (Morrison, 1876) *(Taeniocampa)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE		
	subterminalis (Smith, 1890) *(Taeniocampa)*																		
	subterminata (Smith, 1888) *(Taeniocampa)*																		
932774	*alurina* (Smith, 1902) *(Taeniocampa)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--		
932776	*segregata* (Smith, 1893) *(Mamestra)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	--	--	--		
	a *segregata* (Smith, 1893) *(Mamestra)*																		
	gussata (Smith, 1895) *(Mamestra)*																		
	negussa (Smith, 1900) *(Mamestra)*																		
	b *plicata* (Smith, 1898) *(Mamestra)*																		
932777	*pacifica* (Harvey, 1874) *(Taeniocampa)*	R	--	--	--	--	BC	--	--	E	--	--	--	--	--	--	--		
	NOTE: Historical records of this species from MB are erroneous, and refer to *O. hibisci*. *Orthosia pacifica* is restricted to the West Coast.																		
	infrapicta (Strand, 1917) *([unknown])*																		
932778	*hibisci* (Guenée, 1852) *(Taeniocampa)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE		
	NOTE: The report of the Palaearctic species *O. incerta* from "Canada" by the Natural History Society of Toronto (1883) likely refers to this species.																		
	incerta of authors (not Hufnagel, 1766) *(Phalaena)*																		
	a *hibisci* (Guenée, 1852) *(Taeniocampa)*																		
	confluens (Morrison, 1875) *(Taeniocampa)*																		
	insciens Walker, 1857 *(Orthosia)*																		
	b *brucei* (Smith, 1910) *(Taeniocampa)*																		
	malora (Smith, 1910) *(Taeniocampa)*																		
	c *nubilata* (Smith, 1910) *(Taeniocampa)*																		
	d *quinquefasciata* (Smith, 1909) *(Taeniocampa)*																		
	inflava (Smith, 1910) *(Taeniocampa)*																		
	inherita (Smith, 1910) *(Taeniocampa)*																		
	latirena (Dod, 1910) *(Taeniocampa)*																		
	proba (Smith, 1910) *(Taeniocampa)*																		

Crocigrapha Grote, 1875

932784	*normani* (Grote, 1874) *(Perigrapha)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	--	NB	NS	PE		

Himella Grote, 1874

932785 *fidelis* Grote, 1874 *(Himella)* R -- -- -- -- -- -- -- -- ON P -- -- -- -- --
intractata (Morrison, 1875) *(Taeniocampa)*

Egira Duponchel, 1845
Xylomyges Guenée, 1852

932787 *variabilis* (Smith, 1891) *(Stretchia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
932788 *hiemalis* (Grote, 1874) *(Xylomiges)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Godfrey's (1972) AB record is erroneous (Pohl et al. 2010).
californica (Strecker, 1874) *(Dryobota)*
932789 *simplex* (Walker, 1865) *(Acronycta)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
pallidior (Smith, 1899) *(Xylomiges)*
932791 *crucialis* (Harvey, 1875) *(Xylomiges)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
peritalis (Smith, 1892) *(Xylomiges)*
932792 *cognata* (Smith, 1894) *(Xylomiges)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Historical records from AB are erroneous (Pohl et al. 2010).
a *cognata* (Smith, 1894) *(Xylomyges)*
b *minorata* (Barnes & McDunnough, 1918) *(Xylomyges)*
r -- -- -- -- bc -- -- -- -- -- -- -- -- --
932794 *curialis* (Grote, 1873) *(Xylomiges)* R -- -- -- -- BC P SK -- -- -- -- -- -- -- --
a *curialis* (Grote, 1873) *(Xylomiges)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
argus (Smith, 1909) *(Xylomiges)*
candida (Smith, 1894) *(Xylomiges)*
b *indurata* (Smith, 1894) *(Xylomiges)* u -- -- -- -- u -- u -- -- -- -- -- -- --
c *nicalis* (Smith, 1909) *(Xylomiges)* u -- -- -- -- u -- -- -- -- -- -- -- -- --
d *tantiva* (Smith, 1909) *(Xylomiges)*
932795 *dolosa* (Grote, 1880) *(Xylomiges)* R -- P NT -- BC AB SK MB ON QC -- -- NB NS EP
NOTE: The PE record by Lafontaine et al. (2001) is a databsing error, but the species is expected there.
932796 *rubrica* (Harvey, 1878) *(Graphiphora)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
a *rubrica* (Harvey, 1878) *(Graphiphora)*
b *rubricoides* (Barnes & Benjamin, 1924) *(Xylomyges)*
u -- -- -- -- -- u u u -- -- -- -- -- -- --
c *mustelina* (Smith, 1911) *(Xylomiges)* u -- -- -- -- u -- -- -- -- -- -- -- -- --
d *pulchella* (Smith, 1894) *(Xylomiges)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
932797 *perlubens* (Grote, 1881) *(Xylomiges)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
subapicalis (Smith, 1888) *(Mamestra)*
932798E *purpurea* (Barnes & McDunnough, 1910) *(Polia)* E -- -- -- -- -- -- -- -- E -- -- -- -- --
NOTE: The ON record by Riotte (1992) is erroneous; no ON vouchers are known, and the species is otherwise known only from southwestern USA.
932799 *alternans* (Walker, [1857]) *(Hapalia)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --
onychina (Guenée, 1852) *(Epunda)*
tabulata (Grote, 1878) *(Xylomiges)*

Achatia Hübner, 1813

932800 *distincta* Hübner, 1813 *(Achatia)* R -- -- -- -- -- -- P MB ON QC -- -- -- -- --
vitis (French, 1879) *(Dicopis)*

Morrisonia Grote, 1874

932801E *mucens* (Hübner, [1831]) *(Septis)* E -- -- -- -- -- -- -- E -- E -- -- -- E --
NOTE: Historical Canadian records are assumed to be erroneous, and attributed to misidentified specimens of *M. evicta*.
sectilis (Guenée, 1852) *(Xylophasia)*
932802 *evicta* (Grote, 1873) *(Cloantha)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
infidelis Grote, 1879 *(Morrisonia)*
vomerina (Grote, 1873) *(Cloantha)*

932803 *confusa* (Hübner, [1831]) *(Auchmis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
infructuosa (Walker, 1857) *(Xylina)*
932805 *latex* (Guenée, 1852) *(Aplecta)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
demissa (Walker, 1857) *(Apamea)*

Admetovis Grote, 1873

932806 *oxymorus* Grote, 1873 *(Admetovis)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --
932807 *similaris* Barnes, 1904 *(Admetovis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

tribe Tholerini Beck, 1996

Cerapteryx Curtis, 1833

932808 *graminis* (Linnaeus, 1758) *(Phalaena)*+ R -- -- -- -- -- -- -- -- -- -- LB NF -- -- --
NOTE: This species was introduced to NF in about 1966. It was discovered in LB in 2014, at Pinware, by C. Bélanger.
albineura (Boisduval, 1837) *(Heliophobus)*
friesica Bryk, 1936 *(Cerapteryx)*
hibernicus Curtis, 1833 *(Cerapteryx)*
megala (Alphéraky, 1882) *(Charaeas)*
tricuspis (Esper, 1786) *(Bombyx)*

Tholera Hübner, 1821

932809 *americana* (Smith, 1894) *(Neuronia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

Nephelodes Guenée, 1852

932810 *minians* Guenée, 1852 *(Nephelodes)* R -- -- NT -- BC AB SK MB ON QC P NF NB NS PE
NOTE: Historical records of "*Nephelodes emmedonia pectinata* Smith" in NA are erroneous and refer to this species. *Phalaena emmedonia* Cramer is now a synonym of the Palaearctic *Agrochola helvola* (Linnaeus).
emmedonia of authors (not Cramer, 1779) *(Phalaena)*
a *minians* Guenée, 1852 *(Nephelodes)* r -- -- nt -- u ab sk mb on qc p nf nb ns pe
adusta Buckett, 1973 *(Nephelodes)*
expansa (Walker, 1857) *(Graphiphora)*
mendica Barnes & Lindsey, 1921 *(Nephelodes)*
rubeolans Guenée, 1852 *(Nephelodes)*
subdolens (Walker, 1857) *(Graphiphora)*
subnotata (Walker, 1869) *(Monosca)*
violans Guenée, 1852 *(Nephelodes)*
b *tertialis* Smith, 1903 *(Nephelodes)* r -- -- -- -- u ab sk mb -- -- -- -- -- -- --
c *pectinatus* Smith, 1900 *(Nephelodes)* r -- -- -- -- bc u -- -- -- -- -- -- -- -- --

tribe Hadenini Guenée, 1837

Escaria Grote, 1882

932816 *homogena* McDunnough, 1922 *(Escaria)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

Afotella Barnes & Benjamin, 1925

932821 *cylindrica* (Grote, 1880) *(Hadena)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

Hadenella Grote, 1883

932822 *pergentilis* Grote, 1883 *(Hadenella)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

Anarta Ochsenheimer, 1816

Discestra Hampson, 1905
Trichoclea Grote, 1883

932823 *nigrolunata* Packard, 1867 *(Anarta)* R AK YT NT -- BC AB SK MB ON QC LB NF -- -- --
NOTE: The Palaearctic name *A. melanopa* was used for many years in NA following a previous taxonomic concept. As currently defined, all populations outside of Beringia are *A. nigrolunata*.
a *nigrolunata* Packard, 1867 *(Anarta)*
melanopa of authors (not Thunberg, 1791) *(Noctua)*
b *laerta* Smith, 1903 *(Anarta)*

932823.1 *melanopa* (Thunberg, 1791) *(Noctua)** R AK YT -- -- E E -- -- E E E E -- -- --
NOTE: Although this name has been applied throughout NA for populations now considered to be *A. nigrolunata*, true *A. melanopa* has been verified in AK and YT.
alpicola (Quensel, 1802) *(Noctua)*
rupestralis (Hübner, 1799) *(Pyralis)*
rupestris Hübner, 1819 *(Anarta)*
tristis (Hübner, 1809) *(Noctua)*
vidua (Hübner, 1808) *(Noctua)*
wistroemi Lampa, 1885 *(Anarta)*

932826 *trifolii* (Hufnagel, 1766) *(Phalaena)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
a *trifolii* (Hufnagel, 1766) *(Phalaena)*
canescens (Moore, 1878) *(Mamestra)*
b *albifusa* (Walker, 1857) *(Hadena)* r ak yt nt -- bc ab sk mb on qc lb nf nb ns pe

932827 *mutata* (Dod, 1913) *(Mamestra)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

932830 *hamata* (McDunnough, 1930) *(Scotogramma)* R -- -- -- -- BC P SK -- -- -- -- -- -- --

932831 *oregonica* (Grote, 1881) *(Mamestra)* R -- -- -- -- BC E E E -- -- -- -- -- -- --
NOTE: Erroneous historical records from AB, SK, and MB refer to other *Anarta* species.
a *oregonica* (Grote, 1881) *(Mamestra)*
b *morana* (Smith, 1910) *(Mamestra)*

932832 *inconcinna* (Smith, [1888]) *(Scotogramma)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
castrae (Barnes & McDunnough, 1912) *(Scotogramma)*
montanica (McDunnough, 1930) *(Scotogramma)*
ultra (Barnes & Benjamin, 1924) *(Scotogramma)*

932833 *columbica* (McDunnough, 1930) *(Scotogramma)* R -- YT -- -- BC AB -- -- -- -- -- -- -- --

932834 *alta* (Barnes & Benjamin, 1924) *(Scotogramma)* R -- -- -- -- P AB -- -- -- -- -- -- -- --

932836 *obesula* (Smith, 1904) *(Mamestra)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
a *obesula* (Smith, 1904) *(Mamestra)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --
subalbida (Barnes & Benjamin, 1924) *(Scotogramma)*
b *ortruda* (Smith, 1910) *(Mamestra)*

932837 *farnhami* (Grote, 1873) *(Mamestra)* R -- YT -- -- BC AB SK MB -- QC -- -- -- -- --

932838 *crotchii* (Grote, 1880) *(Mamestra)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
chunka (Smith, 1910) *(Mamestra)*

932842 *edwardsii* (Smith, 1888) *(Trichoclea)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).
a *edwardsii* (Smith, 1888) *(Trichoclea)*
edvardsi (Hampson, 1905) *(Trichoclea)*
b *deserticola* (Hill, 1924) *(Trichoclea)*

932844 *antica* (Smith, 1891) *(Trichoclea)* R -- -- -- -- -- AB P -- -- -- -- -- -- -- --

932845 *decepta* (Grote, 1883) *(Trichoclea)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
postica (Smith, 1891) *(Trichoclea)*

Scotogramma Edwards, 1887

932847 *submarina* (Grote, 1883) *(Anarta)* R -- -- -- -- E AB SK -- -- -- -- -- -- -- --
NOTE: The BC record by Anderson (1904) was corrected by ESBC (1906).
addenda Barnes & Benjamin, 1924 *(Scotogramma)*

932848 *fervida* Barnes & McDunnough, 1912 *(Scotogramma)*
R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

a *fervida* Barnes & McDunnough, 1912 *(Scotogramma)*
b *proxima* Barnes & Benjamin, 1924 *(Scotogramma)*
c *campestris* McDunnough, 1943 *(Scotogramma)* r -- -- -- -- -- ab sk -- -- -- -- -- -- -- --

932849E *densa* Smith, 1893 *(Scotogramma)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Historical reports of this species from BC by Dyar (1904) and other early workers are erroneous.

932853E *ptilodonta* (Grote, 1883) *(Trichopolia)* E -- -- -- -- E -- -- E -- -- -- -- -- --
NOTE: Historical records from BC and MB, as subspecies *nevada*, are erroneous; true *S. ptilodonta* is a Great Basin/southern Rocky Mountain species that is not known from Canada (Lafontaine & Troubridge 2011).
b *nevada* Barnes & McDunnough, 1912 *(Scotogramma)*

Coranarta Beck, 1991
tax info: Lafontaine et al. (1987)

932863 *luteola* (Grote & Robinson, 1865) *(Anarta)* R AK YT NT NU BC AB SK MB ON QC LB -- NB NS --
NOTE: Nearctic populations traditionally treated as *Anarta* (= *Coranarta*) *cordigera* have recently been revised to *C. luteola* (Mustelin 2006). *Coranarta cordigera* is restricted to the Palaearctic.
aethiops (Hoffman, 1893) *(Anarta)*
albirena (Hübner, 1803) *(Anarta)*
carbonaria (Christoph, 1893) *(Anarta)*
cordigera of authors (not Thunberg, 1792) *(Noctua)*
suffusa Tutt, 1892 *(Coranarta)*

932864 *macrostigma* (Lafontaine & Mikkola, 1987) *(Anarta)* R AK YT NT -- BC AB -- -- -- -- -- -- -- --

Polia Ochsenheimer, 1816
tax info: McCabe (1980)
Mamestra of authors not Ochsenheimer, 1816

932865 *discalis* (Grote, 1877) *(Mamestra)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
932866 *piniae* Buckett & Bauer, 1967 *(Polia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- --
932867 *nimbosa* (Guenée, 1852) *(Aplecta)* R AK -- -- -- BC AB SK MB ON QC -- NF NB NS PE
a *nimbosa* (Guenée, 1852) *(Aplecta)*
b *mystica* (Smith, 1898) *(Mamestra)* r -- -- -- -- u ab sk mb on qc -- nf nb ns pe
c *mysticoides* Barnes & Benjamin, 1924 *(Polia)* r -- -- -- -- bc u -- -- -- -- -- -- -- --
932868 *imbrifera* (Guenée, 1852) *(Aplecta)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
932869 *rogenhoferi* (Möschler, 1870) *(Mamestra)* R AK YT -- -- BC AB SK MB ON QC LB NF NB -- --
carbonifera (Hampson, 1908) *(Miselia)*
leomegra (Smith, 1908) *(Mamestra)*
932870 *propodea* McCabe, 1980 *(Polia)* R -- YT -- -- BC AB SK MB ON QC LB NF NB -- --
932871 *richardsoni* (Curtis, 1834) *(Hadena)** R AK YT NT NU BC AB P MB ON QC LB -- -- -- --
a *richardsoni* (Curtis, 1834) *(Hadena)* r u u nt nu bc ab p mb on -- -- -- -- -- --
feildeni (MacLachlan, 1878) *(Mamestra)*
fumida (Graeser, 1889) *(Anarta)*
groelandica (Heydemann, 1944) *(Aplecta)*
septentrionis (Walker, 1857) *(Anarta)*
b *lanuginosa* (Smith, 1900) *(Anarta)* r ak -- -- -- -- -- -- -- -- -- -- -- -- --
c *squara* (Smith, 1908) *(Anarta)*
d *magna* (Barnes & Benjamin, 1924) *(Anarta)*
e *tamsi* (Benjamin, 1933) *(Anarta)* r -- -- -- -- -- -- -- -- qc lb -- -- -- --
932872 *purpurissata* (Grote, 1864) *(Eurois)* R AK YT NT -- BC AB SK MB ON QC -- -- NB NS PE
a *purpurissata* (Grote, 1864) *(Eurois)* r ak yt nt -- bc ab sk mb on qc -- -- nb ns pe
crydina (Dyar, 1904) *(Mamestra)*
juncimacula (Smith, 1883) *(Hadena)*
languida (Smith, 1893) *(Mamestra)*
b *apurpura* Barnes & McDunnough, 1913 *(Polia)*
932873 *nugatis* (Smith, 1898) *(Mamestra)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
tufa (Smith, 1905) *(Mamestra)*

Melanchra Hübner, 1820
tax info: McCabe (1980)

932874	*adjuncta* (Guenée, 1852) *(Mamestra)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
	benjamini (Lemmer, 1937) *([unknown])*																
	declarata (Walker, 1856) *(Acronicta)*																
932875	*picta* (Harris, 1841) *(Mamestra)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	P	NF	NB	NS	PE
	contraria (Walker, 1857) *(Mythimna)*																
	exusta (Guenée, 1852) *(Ceramica)*																
932876	*pulverulenta* (Smith, 1888) *(Mamestra)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
932877	*assimilis* (Morrison, 1874) *(Mamestra)*	R	--	--	U	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE

NOTE: The NT record by Prentice (1962) could not be verified.

Lacanobia Billberg, 1820
tax info: McCabe (1980)

932878	*nevadae* (Grote, 1876) *(Mamestra)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--
	canadensis (Smith, 1888) *(Mamestra)*																
932879	*atlantica* (Grote, 1874) *(Mamestra)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	discolor (Speyer, 1875) *(Mamestra)*																
932880	*radix* (Walker, [1857]) *(Agrotis)*	R	AK	--	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--
	desperata (Smith, 1891) *(Mamestra)*																
	dimmocki (Grote, 1875) *(Mamestra)*																
932881	*subjuncta* (Grote & Robinson, 1868) *(Hadena)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
	a *subjuncta* (Grote & Robinson, 1868) *(Hadena)*	r	--	--	--	--	u	ab	sk	mb	on	qc	--	--	nb	ns	pe
	b *eleanora* (Barnes & McDunnough, 1918) *(Polia)*	u	--	--	--	--	u	--	--	--	--	--	--	--	--	--	--
932882	*grandis* (Guenée, 1852) *(Hadena)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
	libera (Walker, 1856) *(Xylophasia)*																

Spiramater McCabe, 1980
tax info: McCabe (1980)

932883	*lutra* (Guenée, 1852) *(Hadena)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
	a *lutra* (Guenée, 1852) *(Hadena)*	r	--	--	--	--	u	ab	sk	mb	on	qc	--	nf	nb	ns	pe
	lubens (Grote, 1875) *(Mamestra)*																
	rufula (Morrison, 1875) *(Mamestra)*																
	b *glaucopis* (Hampson, 1905) *(Polia)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--

Trichordestra McCabe, 1980
tax info: McCabe (1980)

932884	*rugosa* (Morrison, 1875) *(Mamestra)*	R	--	--	--	--	--	AB	--	--	ON	QC	LB	NF	NB	NS	--
932885	*tacoma* (Strecker, 1900) *(Mamestra)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
932886	*legitima* (Grote, 1864) *(Apamea)*	R	--	--	--	--	EP	AB	SK	U	ON	QC	P	NF	NB	NS	PE

NOTE: Historical BC records by Anderson (1904) from Vancouver and Victoria, and by Jones (1951) from Vernon, were deemed erroneous by Pohl et al. (2015b), but this species may be found in the Peace River region of northeastern BC; it is known from adjacent boreal forest habitat in AB. The Winnipeg (MB) record by Brodie (1929) could not be verified.

932887	*dodii* (Smith, 1904) *(Mamestra)*	R	--	--	--	--	BC	AB	SK	U	--	--	--	--	--	--	--

NOTE: A specimen from Winnipeg (MB) in UMB is the only known specimen to support the MB record by Brodie (1929); it is not identified with certainty.

932889	*lilacina* (Harvey, 1874) *(Mamestra)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	illabefacta (Morrison, 1875) *(Mamestra)*																
	luski (Barnes & McDunnough, 1913) *(Polia)*																
932890	*liquida* (Grote, 1881) *(Mamestra)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	E	--

NOTE: The NS record by Perrin (1915) is assumed to be erroneous, as no vouchers are known east of SK.

	a *liquida* (Grote, 1881) *(Mamestra)*																
	b *meodana* (Smith, 1910) *(Mamestra)*	r	--	--	--	--	bc	ab	sk	--	--	--	--	--	--	--	--

Papestra Sukhareva, 1973
tax info: McCabe (1980)

932892 *quadrata* (Smith, 1891) *(Mamestra)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
a *quadrata* (Smith, 1891) *(Mamestra)*
b *ingravis* (Smith, 1895) *(Mamestra)* r ak yt nt -- bc ab sk mb on qc lb nf nb ns --
932893 *biren* (Goeze, 1781) *(Phalaena)** R -- YT -- -- BC AB SK MB -- QC LB NF NB NS --
aperta (Geyer, 1832) *(Noctua)*
frustrata (McDunnough, 1946) *(Polia)*
glauca (Kleeman, 1792) *(Noctua)*
lappo (Duponchel, 1827) *(Noctua)*
paupercula (Püngeler, 1902) *(Mamestra)*
poliostigma (Hampson, 1894) *(Hadena)*
puengeleri (Draudt, 1934) *(Polia)*
quadriposita (Zetterstedt, 1839) *(Hadena)*
taunensis (Fuchs, 1899) *(Mamestra)*
932894 *cristifera* (Walker, 1858) *(Acronycta)* R AK YT NT -- BC AB SK MB ON QC LB NF NB U --
NOTE: The NS record by Perrin & Russell (1912) could not be verified.
impolita (Morrison, 1875) *(Mamestra)*
932895 *brenda* (Barnes & McDunnough, 1916) *(Polia)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
932896 *invalida* (Smith, 1891) *(Mamestra)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: Historical AB records refer to *P. brenda*.

Hada Billberg, 1820

932897 *sutrina* (Grote, 1881) *(Mamestra)* R AK YT -- -- BC AB SK MB ON QC LB NF NB -- --

Mamestra Ochsenheimer, 1816

932898 *configurata* Walker, 1856 *(Mamestra)* R -- -- -- -- BC AB SK MB -- E -- -- -- -- --
NOTE: The QC record by Letendre & Roy (1997) is erroneous (Handfield et al. 1997).
occidenta (Grote, 1883) *(Copimamestra)*
932899 *curialis* (Smith, 1888) *(Copimamestra)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS --

Sideridis Hübner, 1821

932902 *fuscolutea* (Smith, 1892) *(Mamestra)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
932904 *uscripta* (Smith, 1891) *(Mamestra)* R -- -- -- -- BC AB SK U -- -- -- -- -- -- --
NOTE: The MB record by Powell & Opler (2009) could not be verified.
932905 *artesta* (Smith, 1903) *(Mamestra)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
932906 *rosea* (Harvey, 1874) *(Mamestra)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
932907 *congermana* (Morrison, 1874) *(Hadena)* R -- -- -- -- -- -- -- U ON QC -- -- NB NS --
NOTE: The MB records by Brodie (1929) and subsequent workers could not be verified.
932908 *maryx* (Guenée, 1852) *(Ceramica)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
rubefacta (Morrison, 1874) *(Ceramica)*
vindemialis (Grote, 1875) *(Mamestra)*

Hadena Schrank, 1802
tax info: Troubridge & Crabo (2002)

932910 *variolata* (Smith, 1888) *(Mamestra)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *variolata* (Smith, 1888) *(Mamestra)*
b *dealbata* (Staudinger, 1892) *(Mamestra)*
932911 *capsularis* (Guenée, 1852) *(Dianthoecia)* R -- -- -- -- BC -- SK MB ON QC -- -- -- -- --
propulsa (Walker, 1857) *(Raphia)*
932916 *circumvadis* (Smith, 1902) *(Mamestra)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
932917 *caelestis* Troubridge & Crabo, 2002 *(Hadena)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
932919 *ectrapela* (Smith, 1898) *(Mamestra)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
jola (Barnes & Benjamin, 1924) *(Epia)*

***Dargida* Walker, 1856**

Faronta Smith, 1908

932925 *procinctus* (Grote, 1873) *(Eupsephopaectes)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

932927E *quadrannulata* (Morrison, 1876) *(Mamestra)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --

NOTE: This species was reported from Rounthwaite (MB) by Heath (1899), and he notes "this, I understand, is a good catch". Indeed it is; the species is otherwise known only from the southern USA. This could be a stray, but in the absence of a voucher specimen, it is deemed erroneous.

932928 *diffusa* (Walker, 1856) *(Leucania)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE

NOTE: Historical records of the Palaearctic species "*Leucania albilinea*" in western Canada refer to this species.

a *diffusa* (Walker, 1856) *(Leucania)* r -- -- -- -- -- -- -- mb on qc -- nf nb ns pe
albilinea of authors (not Hübner, [1821]) *(Leucania)*
harveyi (Grote, 1873) *(Leucania)*
moderata (Walker, 1856) *(Leucania)*
terrapictalis (Buckett, 1969) *(Faronta)*

b *obscurior* (Smith, 1902) *(Leucania)* r -- -- nt -- bc ab sk mb -- -- -- -- -- -- --

c *limitata* (Smith, 1902) *(Leucania)*

d *neptis* (Smith, 1902) *(Leucania)*

932931 *rubripennis* (Grote & Robinson, 1870) *(Leucania)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

NOTE: Although reported as possible for QC by Handfield (2011), this species is not likely to be found there.

tribe Leucaniini Guenée, 1837

***Mythimna* Ochsenheimer, 1816**

Aletia Hübner, 1821
Pseudaletia Franclemont, 1951

932933 *oxygala* (Grote, 1881) *(Heliophila)* R AK -- NT -- BC AB SK MB ON QC LB NF NB NS PE

NOTE: Historical reports of "*Leucania pallens*" in NA refer to this species. *Mythimna pallens* is a very similar-looking Old World species.

a *oxygala* (Grote, 1881) *(Heliophila)*
minorata (Smith, 1894) *(Leucania)*
pallens of authors not Linnaeus, 1758 *(Mythimna)*
rubripallens (Smith, 1902) *(Leucania)*

b *luteopallens* (Smith, 1902) *(Leucania)*

932934 *yuconensis* (Hampson, 1911) *(Leucania)* R AK YT -- -- BC -- -- -- -- -- -- -- -- -- --
yukonensis (McDunnough, 1938) *(Leucania)*

932935 *unipuncta* (Haworth, 1809) *(Noctua)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
antica (Walker, 1856) *(Leucania)*
extranea (Guenée, 1852) *(Leucania)*
quechua (Franclemont, 1951) *(Pseudaletia)*
tseki (Koutsaftikis, 1974) *(Leucania)*

***Leucania* Ochsenheimer, 1816**

932937E *extincta* Guenée, 1852 *(Leucania)* E -- -- -- -- -- -- -- -- -- -- -- -- E -- --

NOTE: The NB record by McIntosh (1899a) is unvouchered and is assumed to refer to another *Leucania* species; *L. extincta* is restricted to southeastern USA. The synonym *ligata* was reported from Canada by the Natural History Society of Toronto (1883).

ligata (Grote, 1875) *(Heliophila)*

932938E *linita* Guenée, 1852 *(Leucania)* E -- -- -- -- -- -- E E E E -- -- E E --

NOTE: All records north of MD are *L. amygdalina*, raised from synonymy with *L. linita* by Lafontaine & Schmidt (2015).

932938.1 *amygdalina* (Harvey, 1878) *(Heliophila)* R -- -- -- -- -- -- U MB ON QC -- -- NB NS --

NOTE: Most Canadian records were reported under the name *L. linita*, which was once considered conspecific, but is now considered a separate, more southerly species (Lafontaine & Schmidt 2015). The SK record by Troubridge & Lafontaine (2003) could not be verified.

932939 *farcta* (Grote, 1881) *(Heliophila)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
palliseca Smith, 1902 *(Leucania)*
roseola Smith, 1894 *(Leucania)*

932940 *oregona* Smith, 1902 *(Leucania)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

932941 *anteroclara* Smith, 1902 *(Leucania)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
anteoclara of authors, [no date] *(Leucania)*
calgariana Smith, 1902 *(Leucania)*

932943 *phragmitidicola* Guenée, 1852 *(Leucania)* R -- -- -- -- -- -- SK MB ON QC -- -- NB -- --
phragmatidicola of authors, [no date] *(Leucania)*

932944 *linda* Franclemont, 1952 *(Leucania)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

932945 *multilinea* Walker, 1856 *(Leucania)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE

932946 *lapidaria* (Grote, 1876) *(Heliophila)* R -- -- -- -- -- -- -- -- ON QC -- -- NB -- --

932947 *commoides* Guenée, 1852 *(Leucania)* R -- -- -- -- BC AB SK MB ON QC LB E NB NS PE
NOTE: The NF records by Morris (1980) and others are deemed erroneous; vouchers have been redetermined as *L. dia*.

932948 *insueta* Guenée, 1852 *(Leucania)* R U YT -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: The AK record by Kononenko et al. (1989) has not been verified. Historical records of the Palaearctic species *L. comma* in NA refer to this species.

a *insueta* Guenée, 1852 *(Leucania)*
adonea (Grote, 1874) *(Heliophila)*
comma of authors (not Linnaeus, 1761) *(Phalaena)*
congener (Hübner, 1803) *(Noctua)*
nigrofasciata Hampson, 1894 *(Leucania)*
rhodocomma Püngeler, 1900 *(Leucania)*
suffusa Tutt, 1888 *(Leucania)*
turbida (Hübner, 1803) *(Noctua)*

b *megadia* Smith, 1902 *(Leucania)*

c *heterodoxa* Smith, 1894 *(Leucania)*
mimica Strecker, 1899 *(Leucania)*

932949 *dia* (Grote, 1879) *(Heliophila)* R AK YT -- -- BC AB P EP -- QC LB NF -- NS --
NOTE: The MB record by Brodie (1929), appears to be incorrect, as all known vouchers (in the Heath collection at UMB) are *L. insueta*. However, the species is expected there.

932957E *scirpicola* Guenée, 1852 *(Leucania)* E -- -- -- -- -- -- -- -- -- -- -- -- -- E --
NOTE: The unvouchered NS record by Ferguson (1954) is deemed erroneous; this species is otherwise unkown north of NJ.
juncicola Guenée, 1852 *(Leucania)*

932960 *adjuta* (Grote, 1874) *(Heliophila)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

932963 *inermis* (Forbes, 1936) *(Cirphis)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS --

932965 *ursula* (Forbes, 1936) *(Cirphis)* R -- -- -- -- -- -- -- -- ON E -- -- -- -- --
NOTE: QC records by Handfield et al. (1997) and others are erroneous; this species is restricted in Canada to the Carolinian forest region of southern ON.

932966 *pseudargyria* Guenée, 1852 *(Leucania)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE
callida (Grote, 1882) *(Heliophila)*
derufata (Strand, 1917) *([unknown])*

tribe Eriopygini Fibiger & Lafontaine, 2005

Lasionycta Aurivillius, 1892

tax info: Crabo & Lafontaine (2009)

skraelingia group Crabo & Lafontaine, 2009

932968 *skraelingia* (Herrich-Schäffer, 1852) *(Phlogophora)** R -- YT -- -- -- -- -- -- -- -- -- -- -- -- --
scraelingia Hampson, 1905 *(Lasionycta)*

932969 *taigata* Lafontaine, 1988 *(Lasionycta)* R AK YT -- -- BC AB -- MB ON QC LB NF NB NS --

secedens group Crabo & Lafontaine, 2009

932970 *secedens* (Walker, [1858]) *(Plusia)** R EP YT -- -- BC AB SK MB ON QC LB -- -- E --
NOTE: According to Ferris et al. (2012), this species was erroneously reported from AK by Crabo & Lafontaine (2009), but it is expected in the state. The NS record by Forbes (1954) is deemed erroneous, probably based on material later described as *L. taigata*.

a *secedens* (Walker, [1858]) *(Plusia)* r -- -- -- -- bc ab sk mb on qc lb -- -- -- --

b *bohemani* (Staudinger, 1861) (Anarta)* r p yt -- -- -- -- -- -- -- -- -- -- -- --

phaea group Crabo & Lafontaine, 2009

932971 *phaea* (Hampson, 1905) *(Anarta)* R AK P P NU -- -- -- -- -- P -- -- -- -- --

subdita group Crabo & Lafontaine, 2009

932972 *subdita* (Möschler, 1860) *(Dianthoecia)* R -- -- -- -- -- -- -- MB -- QC LB -- -- -- --
membrosa (Morrison, 1875) *(Anarta)*

932973E *conjugata* (Smith, 1899) *(Scotogramma)* E -- -- -- -- E E -- -- -- -- -- -- -- -- --
NOTE: Populations from AB and BC that were historically identified as this species, belong to a recently described species *L. fergusoni*. True *L. conjugata* was described from CO and is not known to occur in Canada.

932974 *fergusoni* Crabo & Lafontaine, 2009 *(Lasionycta)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --

mutilata group Crabo & Lafontaine, 2009

932975 *mutilata* (Smith, 1898) *(Mamestra)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
rainierii (Smith, 1900) *(Mamestra)*

932976 *haida* Crabo & Lafontaine, 2009 *(Lasionycta)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

luteola group Crabo & Lafontaine, 2009

932977 *luteola* (Smith, 1893) *(Scotogramma)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --

leucocycla group Crabo & Lafontaine, 2009

932978 *leucocycla* (Staudinger, 1857) *(Anarta)** R AK YT NT NU BC AB -- MB ON QC LB NF -- -- --
NOTE This appears to be what Crumb (1956) referred to as "*Anarta myrtilli* (L.)", from LB and GR. *Anarta myrtilli* is a Palaearctic species that does not occur in NA.

a *leucocycla* (Staudinger, 1857) *(Anarta)* r u u u nu -- -- -- -- -- -- -- -- -- --
b *moeschleri* (Staudinger, 1901) *(Anarta)* r -- -- -- nu -- -- -- -- -- qc lb -- -- -- --
c *hampa* (Smith, 1908) *(Anarta)* e -- -- -- -- e e -- -- -- -- -- -- -- -- --
d *albertensis* (McDunnough, 1925) *(Anarta)* r u u u u bc ab -- u u -- -- -- -- -- --

932979 *flanda* (Smith, 1908) *(Anarta)* R -- -- -- -- -- -- -- -- -- -- LB NF -- -- --
932980 *coracina* Crabo & Lafontaine, 2009 *(Lasionycta)* R AK YT NT -- -- -- -- -- -- -- -- -- -- -- --
932981 *anthracina* Crabo & Lafontaine, 2009 *(Lasionycta)* R -- -- -- -- -- AB -- -- ON QC LB -- -- -- --
932982 *poca* (Barnes & Benjamin, 1923) *(Anarta)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
932984 *illima* Crabo & Lafontaine, 2009 *(Lasionycta)* R AK YT -- -- BC -- -- -- -- -- -- -- -- -- --
932985 *frigida* Crabo & Lafontaine, 2009 *(Lasionycta)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

perplexa group Crabo & Lafontaine, 2009

932988 *perplexa* (Smith, 1888) *(Scotogramma)* R AK YT -- -- BC AB -- -- -- QC -- -- -- -- --
alberta Barnes & Benjamin, 1923 *(Lasionycta)*
marloffi (Dyar, 1922) *(Anytus)*

932989 *perplexella* Crabo & Lafontaine, 2009 *(Lasionycta)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --

subfuscula group Crabo & Lafontaine, 2009

932991 *subfuscula* (Grote, 1874) *(Anarta)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *subfuscula* (Grote, 1874) *(Anarta)*
sedilis (Smith, 1899) *(Scotogramma)*
b *livida* Crabo & Lafontaine, 2009 *(Lasionycta)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

staudingeri group Crabo & Lafontaine, 2009

932992 *staudingeri* (Aurivillius, 1891) *(Anarta)** R AK YT NT NU -- E -- -- -- QC E -- -- -- --
NOTE: Historical records of this species from AB and LB are erroneous, due to a previous taxonomic arrangement. They refer to *L. leucocycla*. *Lasionycta staudingeri* is known in Canada only from QC and the high Arctic.

b *preblei* (Benjamin, 1933) (Anarta)* r ak yt nt nu -- -- -- -- -- qc -- -- -- -- --
932994 *subfumosa* (Gibson, 1920) *(Anarta)* R AK -- NT -- -- -- -- -- -- -- -- -- -- --
932995 *quadrilunata* (Grote, 1874) *(Anarta)* R AK YT -- -- P AB -- -- -- -- -- -- -- -- --
a *quadrilunata* (Grote, 1874) *(Anarta)*
b *yukona* Lafontaine, 1986 *(Lasionycta)* r ak yt -- -- p ab -- -- -- -- -- -- -- -- --

932996	*lagganata* (Barnes & Benjamin, 1924) *(Anarta)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--
932997	*carolynae* Crabo, 2009 *(Lasionycta)*	R	--	YT	--	--	P	--	--	--	--	--	--	--	--	--	--	--	--

phoca group Crabo & Lafontaine, 2009

932998	*phoca* (Möschler, 1864) *(Dianthoecia)*	R	--	--	--	--	E	E	--	MB	U	QC	LB	--	E	--	--	--	--
	NOTE: Historical records of this species in western Canada are misidentifications; it occurs only in tundra habitats in eastern NA. The ON record by Riotte (1992) is plausible in the north; the NB record by Troubridge & Lafontaine (2003) is erroneous.																		
	albinuda (Smith, 1903) *(Scotogramma)*																		
932999	*uniformis* (Smith, 1893) *(Scotogramma)*	R	--	YT	--	--	BC	AB	--	E	--	QC	--	--	--	--	--	--	--
	NOTE: Brodie's (1929) record from Cartwright (MB) is deemed erroneous.																		
	a *uniformis* (Smith, 1893) *(Scotogramma)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--	--	--
	b *multicolor* Crabo & Lafontaine, 2009 *(Lasionycta)*	r	--	yt	--	--	bc	--	--	--	--	--	--	--	--	--	--	--	--
	c *fusca* Crabo & Lafontaine, 2009 *(Lasionycta)*																		
	d *shasta* Crabo & Lafontaine, 2009 *(Lasionycta)*																		
	e *handfieldi* Crabo & Lafontaine, 2009 *(Lasionycta)*	r	--	--	--	--	--	--	--	--	--	qc	--	--	--	--	--	--	--
933000	*brunnea* Crabo & Lafontaine, 2009 *(Lasionycta)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--
933001	*caesia* Crabo & Lafontaine, 2009 *(Lasionycta)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
933002	*gelida* Crabo & Lafontaine, 2009 *(Lasionycta)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
933003E	*discolor* (Smith, 1899) *(Scotogramma)*	E	--	--	--	--	E	--	--	--	--	E	--	--	--	--	--	--	--
	NOTE: BC and QC records are erroneous; vouchers have been redetermined as other *Lasionycta* species.																		

promulsa group Crabo & Lafontaine, 2009

933005	*promulsa* (Morrison, 1875) *(Mamestra)*	R	--	YT	--	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--
	infuscata (Smith, 1899) *(Scotogramma)*																		
933006	*macleani* (McDunnough, 1927) *(Anarta)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
	NOTE: This species is known only from the holotype, collected in southwestern BC.																		
933007	*pulverea* Crabo & Lafontaine, 2009 *(Lasionycta)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--	--	--
933008	*silacea* Crabo & Lafontaine, 2009 *(Lasionycta)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--	--	--

impingens group Crabo & Lafontaine, 2009

933010	*impingens* (Walker, 1857) *(Anarta)*	R	--	YT	--	--	BC	AB	P	MB	--	--	--	--	--	--	--	--	--
	a *impingens* (Walker, 1857) *(Anarta)*	r	--	yt	--	--	bc	ab	p	mb	--	--	--	--	--	--	--	--	--
	nivaria (Grote, 1876) *(Anarta)*																		
	perpura (Morrison, 1875) *(Orthosia)*																		
	b *curta* (Morrison, 1875) *(Mamestra)*																		

***Psammopolia* Crabo & Lafontaine, 2009**
tax info: Crabo & Lafontaine (2009)

933011	*arietis* (Grote, 1879) *(Mamestra)*	R	AK	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--
	etacta (Smith, 1900) *(Anarta)*																		
933012	*wyatti* (Barnes & Benjamin, 1926) *(Polia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--	--

***Lacinipolia* McDunnough, 1937**

933016	*meditata* (Grote, 1873) *(Dianthoecia)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--		
	a *meditata* (Grote, 1873) *(Dianthoecia)*	r	--	--	--	--	--	--	--	u	on	qc	--	nf	nb	ns	--		
	brachiolum (Harvey, 1876) *(Mamestra)*																		
	determinata (Smith, 1891) *(Mamestra)*																		
	rubrifusa (Hampson, 1905) *(Polia)*																		
	b *columbia* (Smith, 1888) *(Taeniocampa)*	r	--	--	--	--	bc	ab	u	u	--	--	--	--	--	--	--	--	--
933017	*lustralis* (Grote, 1875) *(Dianthoecia)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	--		
	a *lustralis* (Grote, 1875) *(Dianthoecia)*																		
	cervina (Smith, 1898) *(Mamestra)*																		
	selama (Strecker, 1898) *(Mamestra)*																		
	b *suffusa* (Smith, 1888) *(Taeniocampa)*																		

933018	*cuneata* (Grote, 1873) *(Mamestra)*	R	--	--	--	--	BC	U	--	E	--	--	--	--	--	--	--			
	NOTE: Heath's (1908) record from Cartwright (MB) is erroneous; this is a cordilleran species. The AB record by Godfrey (1972) could not be verified.																			
	a *cuneata* (Grote, 1873) *(Mamestra)*																			
	b *gertana* (Smith, 1913) *(Mamestra)*																			
	basirufa (Strand, 1917) *([unknown])*																			
	rubicunda (Strand, 1917) *([unknown])*																			
933019	*anguina* (Grote, 1881) *(Mamestra)*	R	AK	--	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--			
	a *anguina* (Grote, 1881) *(Mamestra)*	u	u	--	--	--	u	u	u	u	u	u	u	u	u	u	--			
	b *larissa* (Smith, 1895) *(Mamestra)*	r	u	--	--	--	u	ab	sk	mb	u	--	--	--	--	--	--			
933020E	*incurva* (Smith, 1888) *(Mamestra)*	E	--	--	--	--	--	--	--	E	--	--	--	--	--	--	--			
	NOTE: The unvouchered MB record by Hanham (1901) is erroneous; this species is known only from southwestern USA.																			
933021	*longiclava* (Smith, 1891) *(Mamestra)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--			
933029	*naevia* (Smith, 1898) *(Mamestra)*	R	--	--	--	--	--	AB	--	--	--	--	--	--	--	--	--			
	griseata (Smith, 1900) *(Mamestra)*																			
933030	*stenotis* (Hampson, 1905) *(Polia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
933040E	*vicina* (Grote, 1874) *(Mamestra)*	E	--	E	--	--	E	E	E	E	E	E	E	--	--	--	--			
	NOTE: Canadian records of this species refer to *L. sareta*, recently raised from subspecies status (Schmidt 2015).																			
933042	*pensilis* (Grote, 1874) *(Dianthoecia)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--			
933042.1	*acutipennis* (Grote, 1880) *(Mamestra)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--			
	ascula (Smith, 1905) *(Mamestra)*																			
	doira (Strecker, 1898) *(Mamestra)*																			
	indistincta (Strand, 1917) *([unknown])*																			
	subalba Mustelin, 2000 *(Lacinipolia)*																			
933042.2	*sareta* (Smith, 1906) *(Mamestra)*	R	--	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	--	--	--	--			
933044	*renigera* (Stephens, 1829) *(Celaena)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE			
	herbimacula (Guenée, 1852) *(Celaena)*																			
	infecta (Walker, 1857) *(Celaena)*																			
933045	*stricta* (Walker, 1865) *(Hadena)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--			
	a *stricta* (Walker, 1865) *(Hadena)*																			
	ferrea (Grote, 1881) *(Mamestra)*																			
	b *cinnabarina* (Grote, 1874) *(Mamestra)*																			
	c *tenisca* (Smith, 1910) *(Mamestra)*																			
	d *papka* (Barnes & Benjamin, 1929) *(Polia)*																			
	kappa (Barnes & Benjamin, 1925) *(Polia)*																			
933052	*lorea* (Guenée, 1852) *(Hydroecia)*	R	--	--	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE			
	dodgei (Morrison, 1875) *(Mamestra)*																			
	ligata (Walker, 1860) *(Hydraecia)*																			
933053	*olivacea* (Morrison, 1874) *(Mamestra)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE			
	a *olivacea* (Morrison, 1874) *(Mamestra)*	r	--	--	--	--	--	--	--	u	on	qc	--	nf	nb	ns	pe			
	obscurior (Smith, 1888) *(Mamestra)*																			
	b *lucina* (Smith, 1901) *(Mamestra)*	r	--	--	--	--	bc	ab	sk	mb	--	--	--	--	--	--	--			
	c *megarena* (Smith, 1901) *(Mamestra)*																			
	d *altua* (Smith, 1901) *(Mamestra)*	e	--	--	--	--	e	e	--	--	--	--	--	--	--	--	--			
	e *petita* (Smith, 1901) *(Mamestra)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--			
	f *vaumedia* (Smith, 1888) *(Mamestra)*																			
933054	*bucketti* Selman & Leuschner, 2001 *(Lacinipolia)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
	NOTE: This species is known in BC from a photograph taken by L. Avis, and identified by L. Crabo (Crabo et al. 2013).																			
933061	*davena* (Smith, 1901) *(Mamestra)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--			
933062	*comis* (Grote, 1876) *(Mamestra)*	R	--	--	--	--	BC	AB	E	--	--	--	--	--	--	--	--			
	NOTE: The SK record by Crumb (1956) is deemed erroneous.																			
	lunolacta (Smith, 1903) *(Mamestra)*																			
	obnigra (Smith, 1901) *(Mamestra)*																			
933063	*rectilinea* (Smith, 1888) *(Mamestra)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
933068	*implicata* McDunnough, 1937 *(Lacinipolia)*	R	--	--	--	--	--	--	--	--	ON	QC	--	--	--	--	--			
933069	*strigicollis* (Wallengren, 1860) *(Hecatera)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--			
	alboguttata (Grote, 1876) *(Mamestra)*																			
	dilatata (Smith, 1900) *(Mamestra)*																			
	illaudabilis (Grote, 1875) *(Mamestra)*																			
	restora (Smith, 1910) *(Mamestra)*																			

933074E *buscki* (Barnes & Benjamin, 1927) *(Polia)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The uncertain BC record by deWaard (2010) is deemed erroneous, this species is otherwise restricted to southwestern USA.

933077 *patalis* (Grote, 1873) *(Xylomiges)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *patalis* (Grote, 1873) *(Xylomiges)*
b *fletcheri* (Grote, 1888) *(Xylomiges)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

Trichocerapoda Benjamin, 1932

933083 *oblita* (Grote, 1877) *(Oncocnemis)* R -- -- -- -- BC -- SK -- -- -- -- -- -- -- --
arrosta (Dyar, 1921) *(Cerapoda)*
deserta (Grinnell, 1912) *(Autographa)*
insertans (Smith, 1890) *(Agrotis)*

Anhimella McDunnough, 1943

933085 *perbrunnea* (Grote, 1879) *(Graphiphora)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
933086 *contrahens* (Walker, 1860) *(Celaena)* R -- -- NT -- BC AB SK MB ON QC -- -- -- E --
NOTE: The NS record by Powell & Opler (2009) could not be verified and is deemed erroneous.
conar (Strecker, 1898) *(Agrotis)*
contrahens (Grote, 1878) *(Graphiphora)*
infidelis (Dyar, 1904) *(Himella)*
quadristigma (Smith, 1900) *(Himella)*
thecata (Morrison, 1875) *(Mamestra)*
933087 *pacifica* McDunnough, 1943 *(Anhimella)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Homorthodes McDunnough, 1943

933088 *furfurata* (Grote, 1875) *(Himella)* R -- -- NT -- BC AB SK MB ON QC -- -- NB NS --
a *furfurata* (Grote, 1875) *(Himella)* r -- -- nt -- u u sk mb on qc -- -- nb ns --
peredia (Grote, 1883) *(Taeniocampa)*
b *uniformis* (Smith, 1888) *(Taeniocampa)* u -- -- -- -- u u -- -- -- -- -- -- -- -- --
933089 *lindseyi* (Benjamin, 1922) *(Eriopyga)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
NOTE: The first Canadian records were documented in 2017 from Norfolk County (ON) (JTT) and Lambton County (ON) (KS). It is known as a resident in adjacent parts of OH, so the ON records likely represent localized permanent populations.
933090 *communis* (Dyar, 1904) *(Taeniocampa)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Heath (1911) is deemed erroneous; no vouchers exist in the Heath voucher collection in UMB, and the species is otherwise unknown in Canada east of BC.
affurata (Hampson, 1905) *(Eriopyga)*
933091 *fractura* (Smith, 1906) *(Taeniocampa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *fractura* (Smith, 1906) *(Taeniocampa)*
b *mecrona* (Smith, 1908) *(Taeniocampa)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
933092 *discreta* (Barnes & McDunnough, 1916) *(Eriopyga)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --
933094E *mania* (Strecker, 1899) *(Mamestra)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Historical BC records are based on misidentifications. This species is otherwise known only from southwestern USA (Lafontaine & Troubridge 2011).
933096 *hanhami* (Barnes & McDunnough, 1911) *(Polia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *hanhami* (Barnes & McDunnough, 1911) *(Polia)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
b *semicarnea* (Barnes & McDunnough, 1918) *(Polia)*
933097 *carneola* McDunnough, 1943 *(Homorthodes)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Protorthodes McDunnough, 1943
tax info: Lafontaine et al. (2014)

933103 *curtica* (Smith, 1890) *(Taeniocampa)* R -- -- -- -- BC AB P -- -- -- -- -- -- -- --
bostura (Smith, 1908) *(Taeniocampa)*
933104 *eureka* (Barnes & Benjamin, 1927) *(Eriopyga)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
933105 *incincta* (Morrison, 1874) *(Mamestra)* R -- -- -- -- -- AB SK MB ON -- -- -- -- -- --
acalus (Hampson, 1905) *(Eriopyga)*
akalus (Strecker, 1898) *(Orthodes)*
coloradensis (McDunnough, 1938) *(Orthodes)*

daviesi (Barnes & Benjamin, 1927) *(Eriopyga)*
indra (Smith, 1906) *(Taeniocampa)*
saturnus (Strecker, 1900) *(Agrotis)*
smithii (Dyar, 1904) *(Graphiphora)*
utahensis (Smith, 1888) *(Taeniocampa)*

933113 *oviduca* (Guenée, 1852) *(Taeniocampa)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
capsella (Grote, 1874) *(Taeniocampa)*
lindrothi Krogerus, 1954 *(Protorthodes)*

933115.3 *rufula* (Grote, 1874) *(Dianthoecia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Ulolonche Smith, 1888

933118 *culea* (Guenée, 1852) *(Mesogona)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --
modifica (Morrison, 1875) *(Taeniocampa)*

933120 *modesta* (Morrison, 1874) *(Dianthoecia)* R -- -- -- -- -- -- -- -- ON QC -- -- -- -- --

933124 *disticha* (Morrison, 1875) *(Caradrina)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

933125 *orbiculata* (Smith, 1891) *(Mamestra)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --

Pseudorthodes Morrison, 1874

933128 *vecors* (Guenée, 1852) *(Orthodes)* R -- -- -- -- -- -- P MB ON QC -- NF NB NS PE
a *vecors* (Guenée, 1852) *(Orthodes)*
calceolaris (Strecker, 1900) *(Orthodes)*
enervis (Guenée, 1852) *(Orthodes)*
imora (Strecker, 1898) *(Orthodes)*
nitens (Grote, 1883) *(Orthodes)*
prodeuns (Walker, 1857) *(Cerastis)*
purpureobrunnea (Strand, 1917) *(Eriopyga)*
togata (Walker, 1865) *(Apamea)*
velata (Walker, 1860) *(Celaena)*
b *griseocincta* (Harvey, 1874) *(Orthodes)*

933132 *irrorata* (Smith, 1888) *(Orthodes)* R AK -- -- -- BC -- -- -- -- -- -- -- -- --

933133E *puerilis* (Grote, 1874) *(Mamestra)* E -- -- -- -- -- -- -- -- -- E -- -- E -- --
NOTE: The historical records from NB (by McIntosh 1899a) and QC (by Winn 1912) are assumed to refer to another species; no vouchers could be located and *P. peurilis* is otherwise not reported from Canada. Handfield et al. (1997) attributed the QC record to misidentified *P. vecors*.

Orthodes Guenée, 1852

933136 *majuscula* Herrich-Schäffer, 1868 *(Orthodes)* R -- -- -- -- -- AB SK MB ON QC -- -- NB NS PE
NOTE: Reports of the South American species *O. infirma* in NA, including the report from "Canada", by the Natural History Society of Toronto (1883) refers to this species (Butler 1890).
crenulata (Butler, 1890) *(Dyschorista)*
infirma of authors not Guenée, 1852 *(Orthodes)*

933138 *cynica* Guenée, 1852 *(Orthodes)* R -- -- -- -- E P SK MB ON QC -- -- NB NS PE
NOTE: Report of this species in BC by Blackmore (1922b) is assumed to be erroneous; no BC vouchers are known and it is otherwise unknown west of central SK.
candens Guenée, 1852 *(Orthodes)*
nimia Guenée, 1852 *(Orthodes)*
tecta (Walker, 1865) *(Orthosia)*

Orthodes (prov. plcmt.) Guenée, 1852

933141 *goodelli* (Grote, 1875) *(Mamestra)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
a *goodelli* (Grote, 1875) *(Mamestra)* r -- -- -- -- -- u u u on qc -- -- nb ns --
b *acutermina* (Smith, 1904) *(Mamestra)* r -- -- -- -- bc u u u -- -- -- -- -- -- --

933142 *obscura* (Smith, 1888) *(Mamestra)* R -- YT -- -- BC AB SK MB ON QC -- -- -- -- --

933143 *noverca* (Grote, 1878) *(Mamestra)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
delecta (Barnes & McDunnough, 1916) *(Polia)*
vauorbicularis (Smith, 1902) *(Mamestra)*

933146 *detracta* (Walker, 1857) *(Hadena)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS --
a *detracta* (Walker, 1857) *(Hadena)* r -- -- -- -- -- -- -- u on qc -- -- nb ns --
claviplena (Grote, 1873) *(Plusia)*
b *neoterica* (Smith, 1898) *(Mamestra)* r -- -- -- -- bc ab sk mb u -- -- -- -- -- --

***Hexorthodes (prov. plcmt.)* McDunnough, 1943**

933155E *senatoria* (Smith, 1900) *(Mamestra)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Historical BC records of this species are erroneous. It occurs only in southwestern USA (Lafontaine & Troubridge 2011).
933160E *nipana* (Smith, 1910) *(Mamestra)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The BC record by Jones (1951), under the name "*Polia montara* (Smith)", a synonym, is a misidentification; this species is otherwise known only from the southern USA (Lafontaine & Troubridge 2011).
montara (Smith, 1910) *(Mamestra)*

***Zosteropoda* Grote, 1874**

933163 *hirtipes* Grote, 1874 *(Zosteropoda)* R -- -- -- -- BC AB E -- -- -- -- -- -- -- --
NOTE: Crumb's (1956) SK record is deemed erroneous; this is a western species not known east of the Rocky Mountains.

***Neleucania* Smith, 1902**

933169 *praegracilis* (Grote, 1877) *(Heliophila)* R -- -- -- -- -- AB -- -- -- -- -- -- -- --
bicolorata (Grote, 1881) *(Heliophila)*
citronella Smith, 1903 *(Neleucania)*
niveicosta Smith, 1902 *(Neleucania)*
suavis (Barnes & McDunnough, 1912) *(Leucania)*

***Tricholita* Grote, 1875**

933193 *signata* (Walker, 1860) *(Nephelodes)* R -- -- -- -- -- -- P MB ON QC -- -- NB NS PE
a *signata* (Walker, 1860) *(Nephelodes)* r -- -- -- -- -- -- p mb on qc -- -- nb ns pe
igna (Barnes & Benjamin, 1927) *(Chabuata)*
semiaperta (Morrison, 1874) *(Hydroecia)*
b *semitropicae* (Barnes & Benjamin, 1927) *(Chabuata)*
933194E *notata* Strecker, 1898 *(Tricholita)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The report from MB by Troubridge & Lafontaine (2003) is deemed erroneous; this species is not known north of MN.

***Hydroeciodes* Hampson, 1905**

933205E *juvenilis* (Grote, 1881) *(Gortyna)* E -- -- -- -- -- -- -- E -- -- -- -- -- -- --
NOTE: The MB record by Hanham (1899) is hereby deemed erroneous as no vouchers could be located and it is the only report of this species outside of southwestern USA. It probably refers to a misidentified *Amphipoea* species.
933207 *serrata* (Grote, 1880) *(Gortyna)* R -- -- -- -- -- AB -- -- -- -- -- -- -- --

tribe Noctuini Latreille, 1809

subtribe Agrotina Rambur, 1848

tax info: Lafontaine (1987, 2004)

***Peridroma* Hübner, 1821**

933211 *saucia* (Hübner, [1808]) *(Noctua)* R S YT -- -- BC M M M ON QC LB NF NB NS PE
NOTE: Populations in the Prairie Provinces are regular migrants that cannot overwinter. This species has strayed as far north as AK.
aequa (Hübner, 1813) *(Noctua)*
ambrosioedes (Walker, 1857) *(Agrotis)*
angulifera (Wallengren, 1860) *(Agrotis)*
chilenaria Angulo & Jana-Saenz, 1984 *(Peridroma)*
fuscobrunnea (Strand, 1916) *(Lycophotia)*
impacta (Walker, 1857) *(Agrotis)*

inermis (Harris, 1841) *(Agrotis)*
infuscata (Blanchard, 1852) *(Spaelotis)*
intecta (Walker, 1857) *(Agrotis)*
majuscula (Haworth, 1809) *(Noctua)*
margaritosa (Haworth, 1809) *(Noctua)*
ochronota (Hampson, 1903) *(Lycophotia)*
ortonii (Packard, 1869) *(Agrotis)*
stictica (Blanchard, 1852) *(Spaelotis)*
tenebricosa (Schawerda, 1929) *(Agrotis)*

Anicla **Grote, 1874**

subgenus ***Anicla*** Grote, 1874

933212 *infecta* (Ochsenheimer, 1816) *(Agrotis)* R -- -- -- -- -- -- -- E ON QC -- -- -- NS --
NOTE: Historical MB records by Forbes (1954) and Crumb (1956) are erroneous, this is a strictly eastern species.
alabamae Grote, 1874 *(Anicla)*
bartholemica (Wallengren, 1871) *(Graphiphora)*
incisa (Gundlach, 1881) *(Agrotis)*
incivis (Guenée, 1852) *(Agrotis)*
mahalpa Schaus, 1898 *(Anicla)*
mulina (Möschler, 1886) *(Agrotis)*
pauper (Butler, 1878) *(Prodenia)*
praecipua (Walker, 1869) *(Laphygma)*

subgenus ***Euagrotis*** McDunnough, [1929]

933214E *lubricans* (Guenée, 1852) *(Noctua)* E -- -- -- -- -- -- -- -- E E -- -- -- -- --
NOTE: Canadian records of this species by Franclemont (1952) are erroneous (Lafontaine 2004).
933216 *illapsa* (Walker, 1857) *(Graphiphora)* R -- -- -- -- -- -- -- MB ON QC -- -- NB -- --
933218 *tenuescens* (Smith, 1890) *(Peridroma)* R -- -- -- -- -- -- -- MB -- -- -- -- -- -- --
933221 *exuberans* (Smith, 1898) *(Noctua)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
bairdii (Smith, 1908) *(Noctua)*
933222 *forbesi* (Franclemont, 1952) *(Euagrotis)* R -- -- -- -- -- -- -- -- ON QC -- -- NB NS --
933223 *tepperi* (Smith, 1888) *(Agrotis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
atricincta (Smith, 1895) *(Noctua)*

Striacosta **Lafontaine, 2004**

933228 *albicosta* (Smith, 1888) *(Agrotis)* R -- -- -- -- -- E -- -- ON QC -- -- NB -- --
NOTE: The AB record by Crumb (1956) is assumed to be based on a misidentification. The nearest confirmed record of this species is from southern ID (Lafontaine 2004).
manethusa (Druce, 1889) *(Agrotis)*

Actebia **Stephens, 1829**

subgenus ***Actebia*** Stephens, 1829

933229 *fennica* (Tauscher, 1806) *(Noctua)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
intracta (Walker, 1857) *(Hadena)*

subgenus ***Protexarnis*** McDunnough, [1929]

933230 *balanitis* (Grote, 1873) *(Agrotis)** R AK YT NT -- BC AB SK MB -- -- -- -- -- -- --
NOTE: Historical records of the Palaearctic species *Protexarnis squalida* in NA refer to this species.
squalida of authors (not Guenée, 1852) *(Protexarnis)*

***Dichagyris* Lederer, 1857**

subgenus ***Loxagrotis*** McDunnough, 1929

933231 *grotei* (Franclemont & Todd, 1983) *(Loxagrotis)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
apicalis (Grote, 1881) *(Agrotis)*
933232 *acclivis* (Morrison, 1875) *(Agrotis)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
opaca (Harvey, 1875) *(Agrotis)*
reclivis (Dyar, 1907) *(Rhizagrotis)*

subgenus ***Pseudorthosia*** Grote, 1874

933251 *variabilis* (Grote, 1874) *(Pseudorthosia)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
pallidior (Cockerell, 1906) *(Pseudorthosia)*

subgenus ***Mesembragrotis*** Barnes & Benjamin, 1927

933254 *reliqua* Lafontaine & Schweitzer, 2004 *(Dichagyris)* R -- -- -- -- -- -- -- MB ON P -- -- -- -- --

***Eucoptocnemis* Grote, 1874**

subgenus ***Eucoptocnemis*** Grote, 1874

933257 *fimbriaris* (Guenée, 1852) *(Heliophobus)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --
obvia (Walker, 1858) *(Graphiphora)*
sordida Grote, 1893 *(Eucoptocnemis)*
tripars (Walker, 1856) *(Mythimna)*
worthingtoni (Grote, 1880) *(Agrotis)*

***Copablepharon* Harvey, 1878**

longipenne group Lafontaine, Crabo & Fauske, 2004

933268 *longipenne* Grote, 1882 *(Copablepharon)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).
a *longipenne* Grote, 1882 *(Copablepharon)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --
b *serraticornis* Blanchard, 1976 *(Copablepharon)*
933275 *alaskensis* Crabo & Lafontaine, 2004 *(Copablepharon)* R AK -- -- -- -- -- -- -- -- -- -- -- -- --

albisericea group Lafontaine, Crabo & Fauske, 2004

933280 *spiritum* Crabo & Fauske, 2004 *(Copablepharon)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
a *spiritum* Crabo & Fauske, 2004 *(Copablepharon)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --
b *lutescens* Crabo & Fauske, 2004 *(Copablepharon)*
c *bicolor* Crabo & Fauske, 2004 *(Copablepharon)*

grandis group Lafontaine, Crabo & Fauske, 2004

933283 *grandis* (Strecker, 1878) *(Aedophron)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
NOTE: This species is listed as "Special Concern" in Canada by COSEWIC (2016).
subflavidens Grote, 1882 *(Copablepharon)*

absidum group Lafontaine, Crabo & Fauske, 2004

933286 *absidum* (Harvey, 1875) *(Ablepharon)* R -- -- -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: The erroneous AB record by Dod (1905) was corrected in a later supplement (Dod 1913).
absida Barnes & McDunnough, 1917 *(Copablepharon)*
933287 *fuscum* Troubridge & Crabo, 1996 *(Copablepharon)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
NOTE: This species is listed as "Endangered" in Canada by COSEWIC (2016).

viridisparsa group Lafontaine, Crabo & Fauske, 2004

933289 *viridisparsa* Dod, 1916 *(Copablepharon)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
a *viridisparsa* Dod, 1916 *(Copablepharon)* r -- -- -- -- -- ab sk mb -- -- -- -- -- -- --
b *hopfingeri* Franclemont, 1954 *(Copablepharon)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --
c *ravum* Crabo & Lafontaine, 2004 *(Copablepharon)*
d *gilvum* Crabo & Lafontaine, 2004 *(Copablepharon)*

Protogygia **McDunnough, 1929**

lagena group Lafontaine & Fauske, 2004

933292 *enalaga* McDunnough, 1932 *(Protogygia)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
933293E *lagena* (Grote, 1875) *(Agrotis)* E -- -- -- -- -- -- E -- -- -- -- -- -- -- --
NOTE: Hooper's (1994) SK record is erroneous; Canadian material was recently described as *P. postera*.
933294 *postera* Fauske & Lafontaine, 2004 *(Protogygia)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
933296 *querula* (Dod, 1915) *(Rhizagrotis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
epipsilioides (Barnes & Benjamin, 1926) *(Rhizagrotis)*

elevata group Lafontaine & Fauske, 2004

933299 *alberta* Troubridge & Lafontaine, 2004 *(Protogygia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

album group Lafontaine & Fauske, 2004

933300E *album* (Harvey, 1876) *(Arsilonche)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: This name was traditionally applied to populations across western NA that have recently been described as a separate species, *P. pallida* (Lafontaine 2004). True *P. album* is restricted to western USA.
933301 *pallida* Fauske & Lafontaine, 2004 *(Protogygia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --

Euxoa **Hübner, 1821**

subgenus ***Crassivesica*** Hardwick, 1970

933307 *bochus* (Morrison, 1874) *(Agrotis)* R -- -- -- -- BC AB SK U -- -- -- -- -- -- --
NOTE: The MB record by Powell & Opler (2009) could not be verified.
brocha of authors, [no date] *(Euxoa)*
brochus (Morrison, 1875) *(Agrotis)*

subgenus ***Chorizagrotis*** Smith, 1890

933308 *adumbrata* (Eversmann, 1842) *(Agrotis)* R AK YT NT -- BC AB SK MB ON QC -- -- -- -- --
NOTE: Historical records of the Old World name *E. lidia* in NA refer to this species. *E. lidia* is strictly Palaearctic, restricted to bogs, and possibly extinct (Lafontaine 1987).
b *drewseni* (Staudinger, 1857) *(Agrotis)*
boretha (Smith, 1908) *(Chorizagrotis)*
dreuseni Hampson, 1903 *(Euxoa)*
perfida Dod, 1916 *(Euxoa)*
sordida (Smith, 1908) *(Chorizagrotis)*
c *thanatologia* (Dyar, 1904) *(Porosagrotis)* r ak yt nt -- bc ab sk mb on qc -- -- -- -- --
lidia of authors (not Cramer, 1782) *(Phalaena)*
933309 *auxiliaris* (Grote, 1873) *(Agrotis)* R -- -- NT NU BC AB SK MB -- E -- -- -- -- --
NOTE: Handfield (2011) reports QC as an erroneous record; this species occurs only as far east as MI (Lafontaine 1987).
agrestis (Grote, 1877) *(Agrotis)*
flexilis (Smith, 1890) *(Agrotis)*
introferens (Grote, 1875) *(Agrotis)*
montanus (Cook, 1930) *(Chorizagrotis)*
tegularis (Draudt, 1924) *([unknown])*
tegularis (Strand, 1916) *(Agrotis)*

933310E *inconcinna* (Harvey, 1875) *(Agrotis)* E -- -- -- -- E E -- E -- -- -- -- -- -- --
NOTE: This species was reported in error on early western Canadian checklists. It is restricted to southern USA.
sorror (Smith, 1888) *(Agrotis)*

933311E *terrealis* (Grote, 1883) *(Agrotis)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The AB record by Dod (1905) was questioned in a later supplement (Dod 1911); the latter is correct as this species is restricted to southwestern USA.

subgenus ***Palaeoeuxoa*** Lafontaine, 1987

933312 *shasta* Lafontaine, 1975 *(Euxoa)* R -- -- -- -- BC AB -- -- -- QC -- -- -- -- --
a *shasta* Lafontaine, 1975 *(Euxoa)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
b *condita* Lafontaine, 1975 *(Euxoa)* r -- -- -- -- -- -- -- -- -- qc -- -- -- -- --
933313 *biformata* Smith, 1910 *(Euxoa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
933314 *intermontana* Lafontaine, 1975 *(Euxoa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
933315 *mimallonis* (Grote, 1873) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
a *mimallonis* (Grote, 1873) *(Agrotis)* r -- -- -- -- u ab sk mb on qc -- nf nb ns pe
caenis (Grote, 1879) *(Agrotis)*
lenola Smith, 1910 *(Euxoa)*
muscosa (Grote, 1883) *(Agrotis)*
rufipennis (Grote, 1875) *(Agrotis)*
b *gagates* (Grote, 1875) *(Agrotis)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

subgenus ***Heteroeuxoa*** Lafontaine, 1987

933317 *septentrionalis* (Walker, 1865) *(Mamestra)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: Vouchers for the Heath (1911) and Brodie (1929) MB record are in UMB; they appear to be *E. messoria*, a very similar species.
incubita (Smith, 1900) *(Carneades)*
933318 *olivia* (Morrison, 1876) *(Agrotis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
anacosta Smith, 1905 *(Euxoa)*
enteridis (Smith, 1900) *(Carneades)*
fieldii Dyar, 1908 *(Euxoa)*
lacunosa (Grote, 1878) *(Agrotis)*
segregata (Smith, 1894) *(Carneades)*
vanidicus (Smith, 1900) *(Carneades)*
zembla Smith, 1905 *(Euxoa)*

subgenus ***Longivesica*** Hardwick, 1970

933319 *messoria* (Harris, 1841) *(Agrotis)* R -- YT NT -- BC AB SK MB ON QC -- NF NB NS PE
atrifera (Grote, 1878) *(Agrotis)*
cochranis (Riley, 1867) *(Agrotis)*
displiciens (Walker, 1865) *(Mamestra)*
expulsa (Walker, 1865) *(Mamestra)*
friabilis (Grote, 1875) *(Agrotis)*
fulda (Smith, 1900) *(Carneades)*
indirecta (Walker, 1865) *(Mamestra)*
inextricata (Walker, 1865) *(Mamestra)*
inordita (Barnes & Benjamin, 1926) *(Agrotis)*
ordinata (Walker, 1865) *(Agrotis)*
pindar (Smith, 1900) *(Carneades)*
repentis (Grote & Robinson, 1868) *(Agrotis)*
reticens (Walker, 1865) *(Agrotis)*
spissa (Guenée, 1852) *(Agrotis)*
territorialis (Smith, 1900) *(Carneades)*
933320 *divergens* (Walker, [1857]) *(Agrotis)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE
abar (Strecker, 1899) *(Agrotis)*
factoris (Smith, 1900) *(Carneades)*
fusimacula (Smith, 1891) *(Carneades)*
versipellis (Grote, 1875) *(Agrotis)*

933321	*sinelinea* Hardwick, 1965 *(Euxoa)*	R	--	--	--	--	--	AB	--	MB	ON	QC	LB	NF	--	--	--
933322	*edictalis* (Smith, 1893) *(Carneades)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--

subgenus ***Pleonectopoda*** Grote, 1873

westermanni group Lafontaine, 1987

933323	*westermanni* (Staudinger, 1857) *(Noctua)*	R	--	YT	NT	--	BC	AB	--	MB	--	QC	LB	--	--	--	--
	polaris (Bang-Haas, 1910) *(Agrotis)*																				
	vestermanni Hampson, 1903 *(Euxoa)*																				
933324	*churchillensis* (McDunnough, 1932) *(Agrotiphila)*	R	--	XT	NT	NU	--	--	--	MB	ON	P	--	--	--	--	--
	NOTE: YT records are fossil material from Old Crow, and are at least 35,000 years old (Lafontaine 1987).																				
	a *churchillensis* (McDunnough, 1932) *(Agrotiphila)*	r	--	xt	nt	nu	--	--	--	mb	on	p	--	--	--	--	--
	b *alpina* Lafontaine, 1987 *(Euxoa)*																				
933325	*muldersi* Lafontaine & Hensel, 2010 *(Euxoa)*	R	--	--	NT	NU	--	--	--	--	--	--	--	--	--	--	--
933326	*dissona* (Möschler, 1860) *(Agrotis)*	R	--	--	NT	NU	E	--	--	MB	P	QC	LB	NF	--	--	--
	NOTE: The report from Field (BC) by Jones (1951), is assumed to be a misidentification. This is a subarctic species known in the West only from NT and Churchill (MB).																				
	labradoriensis (Staudinger, 1881) *(Agrotis)*																				
	opipara (Morrison, 1875) *(Agrotis)*																				
	solitaria (Smith, 1888) *(Agrotis)*																				
933327	*hyperborea* Lafontaine, 1987 *(Euxoa)**	R	AK	YT	--	--	--	--	--	--	--	--	--	--	--	--	--
933328	*quebecensis* (Smith, 1900) *(Setagrotis)*	R	--	YT	--	--	BC	AB	P	--	ON	QC	LB	NF	NB	--	--
	moxa Smith, 1907 *(Euxoa)*																				
	quinta Smith, 1908 *(Euxoa)*																				
933329	*scandens* (Riley, 1869) *(Agrotis)*	R	--	--	NT	--	--	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	elata (Smith, 1898) *(Setagrotis)*																				
	fulminans (Grote, 1895) *(Agrotis)*																				
933330	*aurulenta* (Smith, 1888) *(Agrotis)*	R	--	--	--	--	--	AB	SK	MB	ON	--	--	--	--	--	--
	aurulentoides (Strand, 1916) *(Agrotis)*																				
933331	*vallus* (Smith, 1900) *(Carneades)*	R	--	--	--	--	BC	AB	--	--	--	--	--	--	--	--	--
	a *vallus* (Smith, 1900) *(Carneades)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--
	luteomaculata Hardwick, 1966 *(Euxoa)*																				
	b *luteositus* (Smith, 1900) *(Carneades)*																				
933332	*macleani* McDunnough, 1927 *(Euxoa)*	R	--	--	--	--	BC	--	--	--	--	E	E	--	--	--	--
	NOTE: The QC and LB records by Lafontaine (1987) are based on a previous taxonomic arrangement; those populations are now recognized as a distinct species, *E. chimoensis*.																				
933333	*apopsis* Troubridge & Lafontaine, 2010 *(Euxoa)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
933334	*chimoensis* Hardwick, 1966 *(Euxoa)*	R	--	--	--	--	--	--	--	MB	--	QC	LB	--	--	--	--
933335E	*trifasciata* (Smith, 1888) *(Agrotis)*	E	--	--	--	--	E	--	--	--	--	--	--	--	--	--	--
	NOTE: Historical BC records were deemed erroneous by Pohl et al. (2015b).																				
933336	*lewisi* (Grote, 1873) *(Pleonectopoda)*	R	--	YT	--	--	BC	AB	--	--	--	--	--	--	--	--	--
	a *lewisi* (Grote, 1873) *(Pleonectopoda)*	r	--	yt	--	--	bc	ab	--	--	--	--	--	--	--	--	--
	colata (Grote, 1881) *(Agrotis)*																				
	levisi Hampson, 1903 *(Euxoa)*																				
	b *juliae* Hardwick, 1968 *(Euxoa)*																				
933337	*altens* McDunnough, 1946 *(Euxoa)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--
933341	*extranea* (Smith, 1888) *(Agrotis)*	R	--	--	--	--	BC	E	--	E	--	--	--	--	--	--	--
	NOTE: Historical records from AB and MB are erroneous, this species is not known to occur east of BC.																				
	quinquelinea (Smith, 1890) *(Agrotis)*																				

tristicula group Lafontaine, 1987

933342	*tristicula* (Morrison, 1876) *(Agrotis)*	R	--	--	NT	--	BC	AB	SK	MB	--	QC	--	--	NB	NS	--
	nesilens Smith, 1904 *(Euxoa)*																				

vetusta group Lafontaine, 1987

933343	*vetusta* (Walker, 1865) *(Mamestra)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--
	euroides (Grote, 1874) *(Agrotis)*																				

perpura (Morrison, 1875) *(Agrotis)*
tetra (Walker, 1865) *(Lepipolys)*

fuscigerus group Lafontaine, 1987

933344E *fuscigerus* (Grote, 1874) *(Agrotis)* E -- -- -- -- E -- -- E -- -- -- -- -- -- --
NOTE: Historical Canadian records (including BC records as *E. feniseca*, a synonym) are assumed to be erroneous. No Canadian vouchers are known, and the species is otherwise unknown north of CA.
feniseca (Harvey, 1875) *(Agrotis)*

atomaris group Lafontaine, 1987

933345 *atomaris* (Smith, 1890) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
a *atomaris* (Smith, 1890) *(Agrotis)*
b *detesta* (Smith, 1893) *(Carneades)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --
choris (Smith, 1890) *(Carneades)*
c *esta* Smith, 1906 *(Euxoa)* r -- -- -- -- bc -- -- -- -- -- -- -- -- --

pleuritica group Lafontaine, 1987

933346 *pleuritica* (Grote, 1876) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC -- NF -- E --
NOTE: The NS record by Forbes (1954) could not be verified and is hereby deemed erroneous.
confracta (Smith, 1890) *(Carneades)*
933347 *pestula* Smith, 1904 *(Euxoa)* R -- -- NT -- BC AB SK MB -- -- -- -- -- -- --
petruska McDunnough, 1932 *(Euxoa)*
933348 *simona* McDunnough, 1932 *(Euxoa)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
pleuriticoides Benjamin, 1936 *(Euxoa)*

subgenus ***Euxoa*** Hübner, 1821

bostoniensis group Lafontaine, 1987

933353 *bostoniensis* (Grote, 1874) *(Agrotis)* R -- -- -- -- -- -- -- -- ON QC -- -- P NS --
933354 *medialis* (Smith, 1888) *(Agrotis)* R -- -- -- -- U AB SK MB -- -- -- -- -- -- --
NOTE: This species was reported from BC by ESBC (1906), but not by subsequent workers. No BC vouchers are known, but the species occurs in southwestern AB and may well occur in southeastern BC.
cerrvillei Hampson, 1903 *(Euxoa)*
discilinea Dyar, 1918 *(Euxoa)*
kerrvillei (Smith, 1900) *(Carneades)*
poncha Smith, 1910 *(Euxoa)*
rufosuffusata McDunnough, 1940 *(Euxoa)*
truva Smith, 1910 *(Euxoa)*
933356 *perexcellens* (Grote, 1875) *(Agrotis)* R -- -- -- -- BC AB E E -- -- -- -- -- -- --
NOTE: Records from SK by Hooper (1994) and from MB by Heath (1904) are deemed erroneous; no vouchers are known east of AB.
excellens (Grote, 1875) *(Agrotis)*
infelix (Smith, 1890) *(Agrotis)*

rufula group Lafontaine, 1987

933359 *rufula* (Smith, 1888) *(Agrotis)* R AK YT -- -- BC AB -- -- -- -- -- -- -- -- --
a *rufula* (Smith, 1888) *(Agrotis)*
b *basiflava* (Smith, 1890) *(Agrotis)* r ak yt -- -- bc ab -- -- -- -- -- -- -- -- --
compressipennis (Smith, 1900) *(Carneades)*
intrusa (Smith, 1900) *(Carneades)*

intrita group Lafontaine, 1987

933360 *intrita* (Morrison, 1874) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
alticola (Smith, 1890) *(Agrotis)*

reuda (Strecker, 1898) *(Agrotis)*
strigilis (Grote, 1876) *(Agrotis)*
titubatis (Smith, 1894) *(Carneades)*

scholastica group Lafontaine, 1987

933364 *scholastica* McDunnough, 1920 *(Euxoa)* R -- -- -- -- -- -- -- -- ON QC -- -- P NS --

terrenus group Lafontaine, 1987

933365 *terrenus* (Smith, 1900) *(Carneades)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
lagganae (Smith, 1900) *(Carneades)*

serricornis group Lafontaine, 1987

933371 *scotogrammoides* McDunnough, 1932 *(Euxoa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

pluralis group Lafontaine, 1987

933372 *pluralis* (Grote, 1878) *(Agrotis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

setonia group Lafontaine, 1987

933375 *setonia* McDunnough, 1927 *(Euxoa)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
933376 *pallidimacula* Lafontaine, 1987 *(Euxoa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

declarata group Lafontaine, 1987

933378 *declarata* (Walker, 1865) *(Mamestra)* R AK YT P -- BC AB SK MB ON QC -- E NB NS PE
NOTE: The NF records by Krogerus (1954) and Forbes (1954) have been redetermined as *E. campestris*.
californica Hardwick, 1973 *(Euxoa)*
decolor (Morrison, 1875) *(Agrotis)*
spectanda (Smith, 1890) *(Agrotis)*
933379 *campestris* (Grote, 1875) *(Agrotis)* R AK YT P -- BC AB SK MB ON QC LB NF NB NS P
933380 *rockburnei* Hardwick, 1973 *(Euxoa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

silens group Lafontaine, 1987

933382 *silens* (Grote, 1875) *(Agrotis)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: No vouchers are known to support the MB record by Hanham (1899), so it is deemed erroneous.

simulata group Lafontaine, 1987

933385 *simulata* McDunnough, 1946 *(Euxoa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

punctigera group Lafontaine, 1987

933387 *punctigera* (Walker, 1865) *(Mamestra)* R -- YT -- -- BC E -- -- -- -- -- -- -- -- --
NOTE: The AB record by Dod (1905) is erroneous.
pastoralis (Grote, 1875) *(Agrotis)*
933391E *stigmatalis* (Smith, 1900) *(Carneades)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: Historical BC records are erroneous, and refer to *E. punctigera*. *Euxoa stigmatalis* does not occur in Canada (Pohl et al. 2015b).
933392 *spumata* McDunnough, 1940 *(Euxoa)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

pallipennis group Lafontaine, 1987

933393 *pallipennis* (Smith, 1888) *(Agrotis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
alcesta Smith, 1905 *(Euxoa)*

tessellata group Lafontaine, 1987

933395 *tessellata* (Harris, 1841) *(Agrotis)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE
acutifrons (Smith, 1900) *(Carneades)*
atrofusca (Smith, 1900) *(Carneades)*
atropurpurea (Grote, 1877) *(Agrotis)*
caesius (Smith, 1900) *(Carneades)*
cariosus (Smith, 1900) *(Carneades)*
finis (Smith, 1888) *(Arotis)*
flaviscapula (Smith, 1900) *(Carneades)*
focinus (Smith, 1903) *(Carneades)*
insignata (Walker, 1857) *(Agrotis)*
insulsa (Walker, 1856) *(Mamestra)*
laminis (Smith, 1900) *(Carneades)*
maizi (Fitch, 1864) *(Agrotis)*
marinensis McDunnough, 1941 *(Euxoa)*
neotelis (Smith, 1900) *(Carneades)*
noctuiformis (Smith, 1900) *(Carneades)*
nordica (Smith, 1900) *(Carneades)*
objurgata (Smith, 1900) *(Carneades)*
perlentans (Walker, 1857) *(Agrotis)*
remota (Smith, 1890) *(Agrotis)*
tesselloides (Grote, 1882) *(Agrotis)*

933396 *plagigera* (Morrison, 1874) *(Agrotis)* R -- YT -- -- BC AB SK E -- -- -- -- -- -- --
NOTE: The MB record by Heath (1911) is assumed to be erroneous, as no vouchers can be located.

albipennis group Lafontaine, 1987

933397 *albipennis* (Grote, 1876) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC -- -- -- NS --
bialba Smith, 1905 *(Euxoa)*
indensa Smith, 1910 *(Euxoa)*
malis (Smith, 1900) *(Carneades)*
nigripennis (Grote, 1881) *(Agrotis)*
verticalis (Grote, 1880) *(Agrotis)*

hollemani group Lafontaine, 1987

933401 *hollemani* (Grote, 1874) *(Agrotis)* R -- -- -- -- BC P P -- -- -- -- -- -- -- --
andera Smith, 1910 *(Euxoa)*

933402 *subandera* Lafontaine, 1987 *(Euxoa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

catenula group Lafontaine, 1987

933404 *catenula* (Grote, 1879) *(Agrotis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
a *catenula* (Grote, 1879) *(Agrotis)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
contagionis (Smith, 1900) *(Carneades)*
b *lindseyi* Blackmore, 1923 *(Euxoa)* r -- -- -- -- bc e -- -- -- -- -- -- -- -- --

comosa group Lafontaine, 1987

933405 *comosa* (Morrison, 1876) *(Agrotis)* R AK YT NT -- BC AB SK MB ON QC -- NF NB NS PE
a *comosa* (Morrison, 1876) *(Agrotis)*
atropulverea (Smith, 1900) *(Carneades)*
incallida (Smith, 1890) *(Agrotis)*
masoni Cockerell, 1905 *(Euxoa)*
ternarius (Smith, 1900) *(Carneades)*
b *lutulenta* (Smith, 1890) *(Agrotis)* r ak yt nt -- bc ab u u u -- -- -- e -- --
johnstoni McDunnough, 1946 *(Euxoa)*

		latebra Benjamin, 1936 *(Euxoa)*																			
		luteotincta McDunnough, 1940 *(Euxoa)*																			
		vulpina (Smith, 1895) *(Carneades)*																			
	c	*annir* (Strecker, 1898) *(Agrotis)*	r	--	--	--	--	bc	ab	sk	--	--	--	--	--	--	--	--	--	--	
		dacota Hampson, 1903 *(Euxoa)*																			
		dakota (Smith, 1900) *(Carneades)*																			
	d	*altera* McDunnough, 1940 *(Euxoa)*	r	--	--	nt	--	--	ab	sk	mb	--	--	--	--	--	--	--	--	--	
	e	*ontario* (Smith, 1900) *(Carneades)*	r	--	--	--	--	e	e	--	--	on	qc	--	nf	nb	ns	pe			
		vestitura Smith, 1905 *(Euxoa)*																			
		yildizae Koçak, 1983 *(Euxoa)*																			
933409		*fumalis* (Grote, 1873) *(Agrotis)*	R	--	--	--	--	--	E	--	--	ON	QC	--	--	NB	NS	PE			
		NOTE: Historical AB records refer to *E. comosa*.																			
		permunda (Morrison, 1875) *(Agrotis)*																			
933410		*occidentalis* Lafontaine & Byers, 1982 *(Euxoa)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--	--		
933411		*velleripennis* (Grote, 1874) *(Agrotis)*	R	--	--	--	--	E	--	P	MB	ON	QC	--	--	NB	NS	PE			
		NOTE: The historical BC records by Anderson (1904) and ESBC (1906) are erroneous.																			
		infausta group Lafontaine, 1987																			
933412		*infausta* (Walker, 1865) *(Hadena)*	R	AK	--	NT	--	BC	AB	SK	--	--	--	--	--	--	--	--			
		holoberba (Smith, 1900) *(Carneades)*																			
		numa (Strecker, 1898) *(Agrotis)*																			
		relaxus (Smith, 1900) *(Carneades)*																			
		rubefactalis (Grote, 1881) *(Agrotis)*																			
		sponsa (Smith, 1888) *(Agrotis)*																			
933413		*satis* (Harvey, 1876) *(Agrotis)*	R	--	--	--	--	BC	AB	SK	--	--	--	--	--	--	--	--			
		cocklei Smith, 1908 *(Euxoa)*																			
		micronyx (Grote, 1878) *(Agrotis)*																			
		perfusca (Grote, 1883) *(Agrotis)*																			
933415		*brunneigera* (Grote, 1876) *(Agrotis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
		loya (Smith, 1900) *(Carneades)*																			
		monteclara (Smith, 1906) *(Noctua)*																			
		obscura Hill, 1924 *(Euxoa)*																			
933416		*excogita* (Smith, 1900) *(Carneades)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
933417		*bicollaris* (Grote, 1878) *(Agrotis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
		abnormis (Smith, 1890) *(Agrotis)*																			
933419E		*selenis* (Smith, 1900) *(Carneades)*	E	--	--	--	--	--	--	--	E	--	--	--	--	--	--	--			
		NOTE: The MB record by Brodie (1929) is assumed to be erroneous; this species occurs only in southwestern CA (Lafontaine 1987).																			
933421		*satiens* (Smith, 1890) *(Agrotis)*	R	--	--	--	--	BC	--	--	--	--	--	--	--	--	--	--			
		cursoria group Lafontaine, 1987																			
933423		*cursoria* (Hufnagel, 1766) *(Phalaena)**	R	AK	YT	NT	--	--	AB	--	--	--	--	--	--	--	--	--			
	b	*wirima* Hardwick, 1965 *(Euxoa)*	r	ak	yt	nt	--	--	ab	--	--	--	--	--	--	--	--	--			
933424		*ochrogaster* (Guenée, 1852) *(Noctua)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE			
		cinereomacula (Morrison, 1875) *(Agrotis)*																			
		gularis (Grote, 1875) *(Agrotis)*																			
		illata (Walker, 1857) *(Agrotis)*																			
		insignata (Walker, 1857) *(Agrotis)*																			
		islandica (Staudinger, 1857) *(Agrotis)*																			
		karschi (Graeser, 1890) *(Agrotis)*																			
		rossica (Staudinger, 1881) *(Agrotis)*																			
		sjoestedti Corti, 1929 *(Euxoa)*																			
		subsignata (Walker, 1865) *(Agrotis)*																			
		turris (Grote, 1875) *(Agrotis)*																			
		yarkenda Corti, 1932 *(Euxoa)*																			
933425		*nostra* (Smith, 1890) *(Agrotis)*	R	--	--	NT	--	BC	AB	P	--	--	--	--	--	--	--	--			

siccata group Lafontaine, 1987

933426 *siccata* (Smith, 1893) *(Carneades)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
placida Barnes & McDunnough, 1912 *(Euxoa)*

choris group Lafontaine, 1987

933427 *choris* (Harvey, 1876) *(Agrotis)* R -- YT -- -- BC AB U -- -- -- -- -- -- -- --
NOTE: Historical SK records could not be verified.
achor (Strecker, 1899) *(Agrotis)*
cogitans (Smith, 1890) *(Agrotis)*

obeliscoides group Lafontaine, 1987

933428 *obeliscoides* (Guenée, 1852) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC -- -- -- -- --
infusa (Smith, 1902) *(Carneades)*
sexatilis (Grote, 1873) *(Agrotis)*
933429 *oberfoelli* Hardwick, 1973 *(Euxoa)* R -- -- -- -- -- P SK -- -- -- -- -- -- -- --

lillooet group Lafontaine, 1987

933430 *lillooet* McDunnough, 1927 *(Euxoa)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --

basalis group Lafontaine, 1987

933431 *basalis* (Grote, 1879) *(Agrotis)* R -- -- NT -- BC AB SK MB -- -- -- -- -- -- --

detersa group Lafontaine, 1987

933432 *costata* (Grote, 1876) *(Agrotis)* R -- -- -- -- BC E -- E -- -- -- -- -- -- --
NOTE: Historical AB and MB records of this species, as "*Euxoa costata idahoensis* (Grote)", are based on a previous taxonomic arrangement. Both *E. idahoensis* and *E. costata* are now treated as full species; *E. idahoensis* occurs on the Great Plains, but *E. costata* is restricted to the Pacific Northwest (Lafontaine 1987).
933433 *castanea* Lafontaine, 1981 *(Euxoa)* R -- -- NT -- BC AB SK MB -- -- -- -- -- -- --
933435 *idahoensis* (Grote, 1878) *(Agrotis)* R AK YT P -- BC AB SK E -- -- -- -- -- -- --
NOTE: The MB record by Brodie (1929) is based on misidentified specimens of *E. ochrogaster*.
933436 *furtivus* (Smith, 1890) *(Agrotis)* R -- YT NT -- BC AB SK E -- -- -- -- -- -- --
NOTE: The MB record by Heath (1904) is assumed to be erroneous, as no vouchers could be located.
933437 *clausa* McDunnough, 1923 *(Euxoa)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
933438 *brevipennis* (Smith, 1888) *(Agrotis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
angulirena Smith, 1910 *(Euxoa)*
brevistriga Smith, 1910 *(Euxoa)*
933439 *servitus* (Smith, 1895) *(Carneades)* R AK YT NT -- BC AB SK MB ON QC -- -- NB NS PE
novangliae McDunnough, 1950 *(Euxoa)*
933440 *redimicula* (Morrison, 1874) *(Agrotis)* R -- -- -- -- E E SK MB ON QC -- U NB NS PE
NOTE: Historical records in AB and BC are erroneous, they refer to *E. auripennis*, described in 1974. The NF record by Krogerus (1954) is based on a single specimen collected at Deer Lake. It has not been located for verification; it is likely in a European collection.
933441 *auripennis* Lafontaine, 1974 *(Euxoa)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
arizonensis Lafontaine, 1974 *(Euxoa)*
933442 *olivalis* (Grote, 1879) *(Agrotis)* R -- YT -- -- BC AB SK -- -- -- -- -- -- -- --
mcdunnoughi Cook, 1930 *(Euxoa)*
933443 *agema* (Strecker, 1899) *(Agrotis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
933444 *oblongistigma* (Smith, 1888) *(Agrotis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
933445 *citricolor* (Grote, 1880) *(Agrotis)* R -- -- -- -- -- AB P E -- -- -- -- -- -- --
NOTE: The MB record by Heath (1904) is assumed to be erroneous, as no vouchers could be located.
postmedialis Draudt, 1924 *(Euxoa)*
postmedialis Strand, 1916 *(Euxoa)*
933446 *tronellus* (Smith, 1903) *(Carneades)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

933447 *teleboa* (Smith, 1890) *(Carneades)* R -- -- -- -- E AB SK -- -- -- -- -- -- -- --
NOTE: The BC record by Lafontaine & Troubridge (2011) is erroneous. It is based on a specimen from Peachland in the CNC that is assumed to be either mislabelled or an accidental introduction.
pedalis (Smith, 1890) *(Carneades)*
recticincta (Smith, 1895) *(Carneades)*

933448 *differmis* (Smith, 1900) *(Carneades)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
mercedes Barnes & McDunnough, 1912 *(Euxoa)*

933449 *moerens* (Grote, 1883) *(Agrotis)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
luteola (Smith, 1888) *(Agrotis)*

933450E *latro* (Barnes & Benjamin, 1927) *(Agrotis)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The BC record by Lafontaine & Troubridge (2011) was based on a misidentification.

933451 *murdocki* (Smith, 1890) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
murdoci Hampson, 1903 *(Euxoa)*

933452 *dodi* McDunnough, 1923 *(Euxoa)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --

933453 *infracta* (Morrison, 1875) *(Agrotis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

933454 *laetificans* (Smith, 1894) *(Carneades)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
masculinus (Smith, 1903) *(Carneades)*

933455 *quadridentata* (Grote & Robinson, 1865) *(Agrotis)* R -- -- -- -- BC AB SK MB -- -- -- -- E -- --
NOTE: The NB record by McIntosh (1899a) is erroneous, this species does not occur in eastern NA.

a *quadridentata* (Grote & Robinson, 1865) *(Agrotis)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --
pugionis (Smith, 1900) *(Carneades)*

b *flutea* Smith, 1910 *(Euxoa)* r -- -- -- -- bc -- -- -- -- -- -- -- -- -- --

933457 *unica* McDunnough, 1940 *(Euxoa)* R -- -- -- -- -- P SK -- -- -- -- -- -- -- --

933458 *niveilinea* (Grote, 1882) *(Agrotis)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
rabiata Smith, 1910 *(Euxoa)*

933459 *dargo* (Strecker, 1898) *(Agrotis)* R -- -- -- -- BC AB SK MB -- E -- -- -- -- --
NOTE: The QC record by Winn (1912) is erroneous, based on a misidentification of *E. detersa* (Handfield et al. 1997).
rumatana (Smith, 1903) *(Carneades)*

933461 *detersa* (Walker, 1856) *(Charaeas)* R -- -- NT -- -- AB SK MB ON QC -- NF NB NS PE

a *detersa* (Walker, 1856) *(Charaeas)* r -- -- -- -- -- -- -- -- u qc -- nf nb ns pe
pitychrous (Grote, 1873) *(Agrotis)*

b *personata* (Morrison, 1876) *(Agrotis)* r -- -- nt -- -- ab sk mb on u -- -- -- -- --
azif (Strecker, 1898) *(Agrotis)*

933462 *cicatricosa* (Grote & Robinson, 1865) *(Agrotis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
ducalis (Smith, 1907) *(Setagrotis)*
neomexicana (Smith, 1890) *(Carneades)*
teplia Smith, 1910 *(Euxoa)*

aequalis group Lafontaine, 1987

933464 *aequalis* (Harvey, 1876) *(Agrotis)* R AK YT -- -- BC AB SK MB -- -- -- -- -- -- --

a *aequalis* (Harvey, 1876) *(Agrotis)*
megastigma (Smith, 1900) *(Carneades)*
testula (Smith, 1900) *(Carneades)*

b *acornis* (Smith, 1895) *(Carneades)* r -- -- -- -- bc ab sk mb -- -- -- -- -- -- --

c *alko* (Strecker, 1899) *(Agrotis)* r -- -- -- -- bc ab sk -- -- -- -- -- -- -- --
naevulus (Smith, 1900) *(Carneades)*
sessile (Smith, 1900) *(Carneades)*
termessus (Smith, 1900) *(Carneades)*

d *yukonensis* Lafontaine, 1987 *(Euxoa)* r ak yt -- -- -- -- -- -- -- -- -- -- -- --

933466P *cona* (Strecker, 1898) *(Agrotis)* P -- -- -- -- -- P P -- -- -- -- -- -- -- --
NOTE: This species is known from western ND and Malta (MT) (Hooper 1994); it probably occurs in southern AB and SK.
sotnia Smith, 1905 *(Euxoa)*

933467 *munis* (Grote, 1879) *(Agrotis)* R AK YT NT -- BC AB SK MB -- -- -- -- -- -- --
cervinea Smith, 1910 *(Euxoa)*
dolens (Smith, 1906) *(Setagrotis)*
rena (Smith, 1890) *(Agrotis)*
sublatis (Grote, 1880) *(Agrotis)*

misturata group Lafontaine, 1987

933468 *misturata* (Smith, 1890) *(Carneades)* R -- -- -- -- -- AB SK -- -- -- -- -- -- -- --
candida (Smith, 1894) *(Carneades)*
falerina (Smith, 1900) *(Carneades)*
gian (Strecker, 1898) *(Agrotis)*
perturbata (Smith, 1890) *(Carneades)*
vertesta Smith, 1910 *(Euxoa)*

atristrigata group Lafontaine, 1987

933470 *atristrigata* (Smith, 1890) *(Agrotis)* R -- -- -- -- BC -- E -- -- -- -- -- -- -- --
NOTE: The SK record by Troubridge & Lafontaine (2003) is erroneous.
collocata (Smith, 1894) *(Carneades)*
933471 *nevada* (Smith, 1900) *(Carneades)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
floramina Smith, 1905 *(Euxoa)*

cinereopallidus group Lafontaine, 1987

933472 *cinereopallidus* (Smith, 1903) *(Carneades)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

mitis group Lafontaine, 1987

933473 *mitis* (Smith, 1894) *(Carneades)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
colla (Strecker, 1898) *(Agrotis)*
ura Smith, 1905 *(Euxoa)*
uramina Smith, 1905 *(Euxoa)*

subgenus ***Orosagrotis*** Hampson, 1903

nomas group Lafontaine, 1987

933475 *aberrans* McDunnough, 1932 *(Euxoa)* R -- YT NT -- BC AB SK MB -- -- -- -- -- -- --
933476 *nomas* (Erschov, 1874) *(Agrotis)** R AK YT NT -- BC AB -- -- -- -- -- -- -- -- --
incognita (Smith, 1893) *(Agrotiphila)*

ridingsiana group Lafontaine, 1987

933477 *macrodentata* Hardwick, 1965 *(Euxoa)* R -- YT -- -- BC -- -- -- -- -- -- -- -- -- --
933478 *manitobana* McDunnough, 1925 *(Euxoa)* R -- -- NT -- -- AB SK MB ON -- -- -- -- -- --
933480 *perolivalis* (Smith, 1905) *(Rhizagrotis)* R -- YT NT -- BC AB SK MB -- -- -- -- -- -- --
933481 *perpolita* (Morrison, 1876) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC E NF NB NS PE
NOTE: The LB record by Morris (1980) is a typographical error, it should have read "it has NOT been found in LB" (Handfield 2011).
criddlei Smith, 1908 *(Euxoa)*
exculta (Smith, 1900) *(Carneades)*
933482 *taura* Smith, 1905 *(Euxoa)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --
cooki McDunnough, 1925 *(Euxoa)*
orbicularis (Smith, 1888) *(Agrotis)*
933483 *flavicollis* (Smith, 1888) *(Agrotis)* R -- YT NT -- BC AB SK MB -- -- -- -- -- -- --
933484 *maimes* (Smith, 1903) *(Carneades)* R -- YT NT -- BC AB SK MB -- -- -- -- -- -- --
933485 *ridingsiana* (Grote, 1875) *(Agrotis)* R AK YT NT -- BC AB SK MB ON -- -- -- -- -- --

wilsoni group Lafontaine, 1987

933486 *wilsoni* (Grote, 1873) *(Agrotis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
specialis (Grote, 1874) *(Agrotis)*
vilsoni Hampson, 1903 *(Euxoa)*

***Feltia* Walker, 1856**

subgenus ***Trichosilia*** Hampson, 1918

933488	*mollis* (Walker, [1857]) *(Agrotis)*	R	--	YT	NT	NU	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	fernaldi (Morrison, 1875) *(Agrotis)*																
933489	*nigrita* (Graeser, 1892) *(Agrotis)**	R	AK	YT	--	--	BC	AB	SK	MB	--	--	--	--	--	--	--
	acarnea (Smith, 1905) *(Noctua)*																
933490	*woodiana* (Lafontaine, 1986) *(Trichosilia)*	R	AK	YT	NT	--	--	--	--	--	--	--	--	--	--	--	--
933491	*troubridgei* Lafontaine, 2004 *(Feltia)*	R	--	YT	--	--	--	--	--	--	--	--	--	--	--	--	--
933492	*boreana* (Lafontaine, 1986) *(Trichosilia)*	R	AK	YT	NT	NU	--	--	--	--	--	--	--	--	--	--	--
933493	*beringiana* (Lafontaine & Kononenko, 1986) *(Trichosilia)**	R	AK	YT	--	--	--	--	--	--	--	--	--	--	--	--	--
933494	*manifesta* (Morrison, 1875) *(Agrotis)*	R	--	--	--	--	--	--	--	--	ON	P	--	--	--	--	--
	impingens (Dyar, 1920) *(Episilia)*																
933495	*geniculata* (Grote & Robinson, 1868) *(Agrotis)*	R	--	--	--	--	--	--	--	MB	ON	QC	--	--	NB	NS	PE

subgenus ***Feltia*** Walker, 1856

933498	*jaculifera* (Guenée, 1852) *(Agrotis)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	PE
	ducens Walker, 1856 *(Feltia)*																
	edentata Smith, 1902 *(Feltia)*																
	hudsonii Smith, 1903 *(Feltia)*																
	radiata Smith, 1891 *(Feltia)*																
933501	*subgothica* (Haworth, 1809) *(Noctua)*	R	--	--	--	--	E	EP	SK	MB	ON	QC	--	--	NB	NS	PE
	NOTE: Historical reports of this species from BC and AB are erroneous, based on a previous taxonomic concept in which *F. jaculifera* was considered to be a subspecies.																
933502	*tricosa* (Lintner, 1874) *(Agrotis)*	R	--	--	--	--	--	P	P	MB	ON	QC	--	--	NB	--	--
	pectinicornis Smith, 1890 *(Feltia)*																
	subpallida McDunnough, 1932 *(Feltia)*																
933503	*herilis* (Grote, 1873) *(Agrotis)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	--	NF	NB	NS	PE
933504	*subterranea* (Fabricius, 1794) *(Noctua)*	R	--	--	--	--	--	--	--	--	ON	--	--	NF	NB	NS	--
	annexa (Treitschke, 1825) *(Agrotis)*																
	anteposita (Guenée, 1852) *(Agrotis)*																
	decernens (Walker, [1857]) *(Agrotis)*																
	interferens (Walker, 1858) *(Agrotis)*																
	interposita (Maassen, 1890) *(Agrotis)*																
	lutaea (Druce, 1889) *(Xylina)*																
	lutescens (Blanchard, 1852) *(Noctua)*																
	lytaea (Druce, 1889) *(Xylina)*																

***Agrotis* Ochsenheimer, 1816**
Psammophila Stephens, 1850

933506	*vetusta* (Walker, 1856) *(Mythimna)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	--	--	NB	NS	--
	catenuloides (Smith, 1910) *(Porosagrotis)*																
	muraenula Grote & Robinson, 1868 *(Agrotis)*																
	mutata (Barnes & Benjamin, 1924) *(Porosagrotis)*																
933507	*daedalus* (Smith, 1890) *(Porosagrotis)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--
933509	*rileyana* Morrison, 1874 *(Agrotis)*	R	--	--	--	--	--	AB	SK	--	--	--	--	--	--	--	--
933510	*ruta* (Eversmann, 1851) *(Xylina)**	R	AK	YT	NT	NU	BC	AB	SK	MB	--	QC	LB	--	--	--	--
	patula Walker, 1857 *(Agrotis)*																
	septentrionalis Möschler, 1862 *(Agrotis)*																
	subinformis (Bryk, 1941) *(Feltia)*																
933512	*orthogonia* Morrison, 1876 *(Agrotis)*	R	--	--	--	--	--	AB	SK	MB	--	--	--	--	--	--	--
	delorata (Smith, 1908) *(Porosagrotis)*																
	duae (Barnes & Benjamin, 1926) *(Porosagrotis)*																
	orthogonoides McDunnough, 1946 *(Agrotis)*																

933513 *kingi* McDunnough, 1932 *(Agrotis)* R -- -- -- -- -- P SK -- -- -- -- -- -- -- --
933514 *robustior* (Smith, 1899) *(Feltia)* R -- -- -- -- -- AB SK MB -- -- -- -- -- -- --
933515 *gladiaria* Morrison, 1874 *(Agrotis)* R -- -- -- -- -- -- -- -- ON QC -- -- -- NS --
morrisoniana Morrison, 1875 *(Agrotis)*
morrisoniana Riley, 1875 *(Agrotis)*
933516 *venerabilis* Walker, [1857] *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
arida (Cockerell, 1913) *(Feltia)*
933517 *vancouverensis* Grote, 1873 *(Agrotis)* R AK YT -- -- BC AB SK -- -- -- -- -- -- -- --
aeneipennis Grote, 1876 *(Agrotis)*
agilis Grote, 1888 *(Agrotis)*
atha Strecker, 1898 *(Agrotis)*
clodiana Grote, 1881 *(Agrotis)*
dentilinea Smith, 1890 *(Agrotis)*
hortulana Morrison, 1875 *(Agrotis)*
semiclarata Grote, 1881 *(Agrotis)*
933518 *gravis* Grote, 1874 *(Agrotis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
vapularis Grote, 1876 *(Agrotis)*
933519 *stigmosa* Morrison, 1874 *(Agrotis)* R -- -- -- -- -- AB SK MB ON QC -- -- -- -- --
933520 *arenarius* Neil, 1983 *(Agrotis)* R -- -- -- -- -- -- -- -- -- P -- -- -- NS --
933521 *volubilis* Harvey, 1874 *(Agrotis)* R -- -- -- -- EP AB SK MB ON QC -- U NB NS PE
NOTE: The NF record, based on Morris (1980) and specimens in the ACSJ, requires verification. Historical records from BC are unvouchered and deemed erroneous, but the species is expected there in the Peace River region.
933522 *obliqua* (Smith, 1903) *(Feltia)* R -- E -- -- BC AB SK MB ON QC LB NF NB NS --
NOTE: The YT record by Lafontaine & Wood (1997) is deemed erroneous, it likely refers to *A. vancouverensis*.
fumipennis McDunnough, 1932 *(Agrotis)*
musa (Smith, 1910) *(Feltia)*
933523 *antica* Crabo & Lafontaine, 2004 *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
933524E *buchholzi* (Barnes & Benjamin, 1929) *(Feltia)* E -- -- -- -- E -- -- -- -- -- -- -- -- -- --
NOTE: The uncertain BC record by deWaard (2010) is deemed erroneous, this species occurs only in eastern USA (Lafontaine 2004).
carolina Schweitzer & McCabe, 2004 *(Agrotis)*
933528 *ipsilon* (Hufnagel, 1766) *(Phalaena)* M -- -- -- -- M M M M M M M M M M M
NOTE: This species does not appear able to overwinter in Canada, and all records here are thought to be seasonal migrants (Lafontaine 2004).
aureolum Schaus, 1898 *(Agrotis)*
bipars Walker, 1857 *(Agrotis)*
frivola Wallengren, 1860 *(Agrotis)*
idonea (Cramer, 1780) *(Phalaena)*
pepoli Bertolini, 1874 *(Agrotis)*
spinifera (Villers, 1789) *(Phalaena)*
spinula (Donovan, 1801) *(Phalaena)*
spinula (Esper, 1786) *(Bombyx)*
suffusa ([Denis & Schiffermüller], 1775) *(Noctua)*
telifera Harris, 1841 *(Agrotis)*
ypsilon (Rottemburg, 1776) *(Noctua)*

subtribe Noctuina Latreille, 1809
tax info: Lafontaine (1998)

Ochropleura Hübner, 1821

933529 *implecta* Lafontaine, 1998 *(Ochropleura)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical records of the Palaearctic species *O. plecta* in NA refer to *O. implecta*.
plecta of authors (not Linnaeus, 1761) *(Phalaena)*

Diarsia Hübner, 1821

933530 *esurialis* (Grote, 1881) *(Agrotis)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --
uclueletei (Barnes & Benjamin, 1929) *(Triphaena)*
933531 *calgary* (Smith, 1898) *(Noctua)* R -- YT -- -- BC AB SK -- -- -- -- -- -- -- --

933532 *dislocata* (Smith, 1904) *(Noctua)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --
NOTE: The report of "*Agrotis conflua* Treitschke" from "Canada" by the Natural History Society of Toronto (1883) refers to this species. The taxon *conflua* is now a synonym of the strictly Palaearctic *D. mendica* (Fabricius). *Diarsia dislocata* was treated as a subspecies of *D. mendica* by Krogerus (1954).
conflua of authors (not Treitschke, 1827) *(Apamea)*

933533 *jucunda* (Walker, [1857]) *(Graphiphora)* R -- -- -- -- E -- -- -- ON QC -- NF NB NS --
NOTE: The BC record by Anderson (1904) is erroneous; this species is restricted to eastern NA.
eriensis (Grote, 1878) *(Agrotis)*
hospitalis (Grote, 1882) *(Agrotis)*
perconflua (Grote, 1876) *(Agrotis)*

933534 *rubifera* (Grote, 1875) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --
cynica (Smith, 1898) *(Noctua)*
perumbrosa (Dyar, 1904) *(Noctua)*
perversa (Strand, 1916) *(Agrotis)*
umbrosa (Dyar, 1904) *(Noctua)*

933535 *rosaria* (Grote, 1878) *(Agrotis)* R AK YT -- -- BC AB SK MB ON QC LB NF NB NS --
a *rosaria* (Grote, 1878) *(Agrotis)* r ak yt -- -- bc ab -- -- -- -- -- -- -- -- --
pseudorosaria Hardwick, 1950 *(Diarsia)*
b *freemani* Hardwick, 1950 *(Diarsia)* r -- -- -- -- u ab sk mb on qc lb nf nb ns --

Cerastis **Ochsenheimer, 1816**

subgenus ***Cerastis*** Ochsenheimer, 1816

933536 *tenebrifera* (Walker, 1865) *(Hadena)* R -- -- -- -- -- -- -- -- ON QC -- E NB -- --
NOTE: The NF record by Morris (1980) was based on a misidentification.
catherina (Grote, 1874) *(Matuta)*
manifestolabes (Morrison, 1875) *(Agrotis)*

subgenus ***Metalepsis*** Grote, 1875

933537 *fishii* (Grote, 1878) *(Agrotis)* R -- -- -- -- -- -- -- MB ON QC -- NF NB NS --
heinrichi (Barnes & Benjamin, 1929) *(Epipsilia)*

933538E *cornuta* (Grote, 1874) *(Pachnobia)* E E -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: This species was reported in error from AK and BC by historical workers going back to ESBC (1906); those records refer to the recently described *C. enigmatica*. True *C. cornuta* occurs only in CA.

933540 *enigmatica* Lafontaine & Crabo, 1997 *(Cerastis)* R AK -- -- -- BC -- -- -- -- -- -- -- -- --
cornuta of authors not Grote, 1874 *(Cerastis)*

933542 *salicarum* (Walker, 1857) *(Hydraecia)* R AK -- NT -- BC AB SK MB ON QC P NF NB NS PE
claviformis (Morrison, 1875) *(Agrotis)*
orilliana (Grote, 1875) *(Pachnobia)*

Choephora **Grote & Robinson, 1868**

933543 *fungorum* Grote & Robinson, 1868 *(Choephora)* R -- -- -- -- -- -- -- -- ON -- -- -- -- -- --

Paradiarsia **McDunnough, 1929**

933544 *littoralis* (Packard, 1867) *(Agrotis)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
ferruginoides (Smith, 1890) *(Pachnobia)*
pectinata (Grote, 1874) *(Pseudorthosia)*

Hemipachnobia **McDunnough, 1929**

933545E *subporphyrea* (Walker, 1858) *(Mythimna)* E -- -- -- -- -- -- -- -- E E -- -- E E --
NOTE: Historical Canadian records by Forbes (1954) and others refer to *H. monochromatea*, then thought to be a variety of *H. subporphyrea*.

933546 *monochromatea* (Morrison, 1874) *(Agrotis)* R -- -- -- -- -- AB SK MB ON QC LB NF NB NS PE

***Lycophotia* Hübner, 1821**

933547 *phyllophora* (Grote, 1874) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE

***Rhyacia* Hübner, 1821**

933548 *quadrangula* (Zetterstedt, 1839) *(Agrotis)** R E E E -- -- E E MB -- QC LB NF -- NS --
NOTE: Historical records from west of MB refer to *R. clemens* (Lafontaine 1998).
mus (Alphéraky, 1882) *(Agrotis)*
pallidifrons (Hampson, 1903) *(Euxoa)*
punctinotata Warren, 1914 *(Rhyacia)*
rava (Herrich-Schäffer, 1852) *(Agrotis)*
umbratus (Packard, 1867) *(Agrotis)*

933549 *clemens* (Smith, 1890) *(Agrotis)* R -- YT -- -- BC AB SK -- -- -- -- -- -- -- --

***Chersotis* Boisduval, 1840**

933550 *juncta* (Grote, 1878) *(Agrotis)** R AK YT NT -- BC AB SK MB ON QC -- NF NB NS --
patefacta (Smith, 1895) *(Noctua)*

***Noctua* Linnaeus, 1758**

933551 *pronuba* (Linnaeus, 1758) *(Phalaena)*+ R AK -- -- NU BC AB SK MB ON QC LB NF NB NS PE
connuba Hübner, 1822 *(Noctua)*
decolorata (Turati, 1923) *(Rhyacia)*
hoegei (Herrich-Schäffer, 1861) *(Triphaena)*
innuba (Treitschke, 1825) *(Triphaena)*
nigra (Krausse, 1912) *(Agrotis)*

933552 *comes* Hübner, [1813] *(Noctua)*+ R -- -- -- -- BC -- -- -- ON P -- -- -- -- --

***Cryptocala* Benjamin, 1921**

933553 *acadiensis* (Bethune, 1870) *(Anarta)* R -- -- -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical reports of the Old World name *Noctua chardinyi* in NA refer to this species. *Noctua chardinyi* is a Palaearctic species that is similar in external appearance.
chardinyi of authors (not Boisduval, 1829) *(Anarta)*
gilvipennis (Grote, 1874) *(Agrotis)*

***Spaelotis* Boisduval, 1840**

subgenus ***Amphitrota*** Warren, 1909

933554 *clandestina* (Harris, 1841) *(Noctua)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
fehrenbachi Boursin, 1963 *(Spaelotis)*
itelmena (Bryk, 1941) *(Amphitrota)*
nigriceps (Walker, 1865) *(Mamestra)*
suecica (Aurivillius, 1891) *(Agrotis)*
unicolor (Walker, 1856) *(Mamestra)*

933555 *bicava* Lafontaine, 1998 *(Spaelotis)* R -- -- -- -- BC AB SK U -- -- -- -- -- -- --
NOTE: Powell & Opler (2009) reported this species from MB, but no vouchers are known east of SK. Many historical lists used the name *S. havilae* for this species in western Canada.
havilae of authors not Grote, 1881 *(Spaelotis)*

933556E *unicava* Lafontaine, 1998 *(Spaelotis)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The BC record by deWaard (2010) was based on a misidentification.

933557E *havilae* (Grote, 1881) *(Agrotis)* E -- -- -- -- E E E -- -- -- -- -- -- -- --
NOTE: Historical records of this species from western Canada are erroneous, under a previous taxonomic arrangement. Northern material was described recently as a distinct species, *S. bicava*.

Eurois Hübner, 1821

933560	*occulta* (Linnaeus, 1758) *(Phalaena)**	R	AK	YT	NT	P	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	a *occulta* (Linnaeus, 1758) *(Phalaena)*	r	ak	yt	nt	p	bc	ab	sk	mb	on	qc	lb	nf	nb	ns	pe
	extricata (Zetterstedt, 1839) *(Hadena)*																
	fumea Corti & Draudt, 1933 *(Eurois)*																
	ichinosawana (Matsumura, 1931) *(Rhyacia)*																
	passetii (Thierry-Mieg, 1886) *(Agrotis)*																
	prolixa (Zetterstedt, 1839) *(Polia)*																
	puncticosta (Zetterstedt, 1839) *(Polia)*																
	roseovirgata (Dannehl, 1929) *(Agrotis)*																
	tibetica Corti & Draudt, 1933 *(Eurois)*																
	b *implicata* (Lefèbvre, 1836) *(Hadena)*																
933561	*astricta* Morrison, 1874 *(Eurois)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	a *astricta* Morrison, 1874 *(Eurois)*	r	ak	yt	nt	--	--	ab	sk	mb	on	qc	lb	nf	nb	ns	pe
	b *subjugata* (Dyar, 1904) *(Peridroma)*	r	--	--	--	--	bc	--	--	--	--	--	--	--	--	--	--
	c *elenae* (Barnes & Benjamin, 1926) *(Caradrina)*	r	ak	--	--	--	bc	--	--	--	--	--	--	--	--	--	--
933562	*nigra* (Smith, 1892) *(Peridroma)*	R	AK	YT	--	--	BC	AB	SK	--	--	--	--	--	--	--	--
	a *nigra* (Smith, 1892) *(Peridroma)*	r	ak	yt	--	--	bc	ab	sk	--	--	--	--	--	--	--	--
	b *argni* (Barnes & Benjamin, 1927) *(Caradrina)*																

Graphiphora Ochsenheimer, 1816

933563	*augur* (Fabricius, 1775) *(Noctua)**	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	grandis (Speyer, 1875) *(Agrotis)*																
	haruspica (Grote, 1875) *(Agrotis)*																
	hippophaes (Geyer, 1832) *(Noctua)*																
	inopinatus (Smith, 1898) *(Noctua)*																
	omega (Esper, 1788) *(Phalaena)*																
	sierrae (Harvey, 1876) *(Agrotis)*																
	tobolskensis (Sheljuzhko, 1929) *(Rhyacia)*																
	unimacula (Morrison, 1875) *(Agrotis)*																

Anaplectoides McDunnough, 1929

933564	*prasina* ([Denis & Schiffermüller], 1775) *(Noctua)*	R	AK	--	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	albimacula (Hormuzaki, 1894) *(Agrotis)*																
	egregia (Esper, 1787) *(Noctua)*																
	herbacea (Guenée, 1852) *(Polyphaenis)*																
	herbida ([Denis & Schiffermüller], 1775) *(Noctua)*																
	jaspidea (Borkhausen, 1792) *(Phalaena)*																
	mixta (Haworth, 1809) *(Noctua)*																
933565	*pressus* (Grote, 1874) *(Eurois)*	R	AK	--	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	abbea (Smith, 1908) *(Aplectoides)*																
	discolor (Smith, 1905) *(Aplectoides)*																
	fales (Smith, 1905) *(Aplectoides)*																

Aplectoides Butler, 1878

933567	*condita* (Guenée, 1852) *(Aplecta)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	trabilis (Grote, 1877) *(Agrotis)*																

Eueretagrotis Smith, 1890

933568	*sigmoides* (Guenée, 1852) *(Noctua)*	R	--	--	--	--	--	AB	SK	MB	ON	QC	--	--	NB	--	--
933569	*perattentus* (Grote, 1876) *(Agrotis)*	R	--	--	--	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	PE
	inattenta Smith, 1903 *(Eueretagrotis)*																
933570	*attentus* (Grote, 1874) *(Agrotis)*	R	--	--	--	--	--	--	SK	MB	ON	QC	--	--	NB	NS	PE

***Xestia* Hübner, 1818**

Anomogyna Staudinger, 1871
Barrovia Barnes & McDunnough, 1916

subgenus ***Xestia*** Hübner, 1818

baja group Lafontaine, 1998

933571 *xanthographa* ([Denis & Schiffermüller], 1775) *(Noctua)*+
R -- -- -- -- BC -- -- -- -- QC -- -- -- -- --
algirica (Corti & Draudt, 1933) *(Rhyacia)*
almohada (Wagner, 1918) *(Agrotis)*
budensis (Freyer, 1838) *(Agrotis)*
elutior (Alphéraky, 1887) *(Agrotis)*
faroulti (Rothschild, 1920) *(Epipsilia)*
lepida (Constantinio, 1922) *(Agrotis)*
praecipuina (Rothschild, 1914) *(Episilia)*
tetragona (Haworth, 1809) *(Noctua)*
trumani (Smith, 1903) *(Noctua)*

933572 *smithii* (Snellen, 1896) *(Agrotis)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical records of the Palaearctic species *X. baja* in NA, e.g. by Forbes (1954), refer to *X. smithii*, which was once considered to be a race of *X. baja*. True *X. baja* does not occur in NA.
baja of authors (not [Denis & Schiffermüller], 1775) *(Noctua)*

933573 *normanianus* (Grote, 1874) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC -- -- NB NS PE
obtusa (Speyer, 1875) *(Agrotis)*

933575 *oblata* (Morrison, 1875) *(Agrotis)* R AK YT P -- BC AB SK MB ON QC LB NF NB NS --
hilliana (Harvey, 1878) *(Agrotis)*
streckeri (Barnes & Benjamin, 1927) *(Triphaena)*

plebeia group Lafontaine, 1998

933577 *plebeia* (Smith, 1898) *(Noctua)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
bajoides (Barnes & Benjamin, 1929) *(Triphaena)*

mustelina group Lafontaine, 1998

933578 *mustelina* (Smith, 1900) *(Hadena)* R -- -- -- -- BC P E -- -- -- -- -- -- -- --
NOTE: The SK record by Prentice (1962) is deemed erroneous.
occidens (Hampson, 1913) *(Aplectoides)*

vernilis group Lafontaine, 1998

933579 *vernilis* (Grote, 1879) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

933580 *verniloides* Lafontaine, 1998 *(Xestia)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

933581 *infimatis* (Grote, 1880) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
dernarius (Smith, 1907) *(Setagrotis)*
filiis (Smith, 1907) *(Setagrotis)*

933582 *finatimis* Lafontaine, 1998 *(Xestia)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --

elimata group Lafontaine, 1998

933583E *elimata* (Guenée, 1852) *(Noctua)* E -- -- -- -- E E E E E E -- E E E --
NOTE: All historical records of this species in Canada are erroneous, based on a previous taxonomic arrangement. The species *X. praevia* has recently been described for northern populations. *Xestia elimata* is restricted to eastern USA only as far north as OH, PA, and southern ME (Lafontaine 1998).

933584 *badicollis* (Grote, 1873) *(Ammoconia)* R -- -- -- -- -- -- -- -- ON QC -- NF NB NS --

933585 *praevia* Lafontaine, 1998 *(Xestia)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS --

933586 *dilucida* (Morrison, 1875) *(Agrotis)* R -- -- -- -- EP AB -- -- ON QC LB NF NB NS PE
NOTE: This species was reported from BC by Crumb (1956) but that record is likely based on material of a related species such as *X. praevia*, which was not described at that time. However, *X. dilucida* is known from central AB and could occur in the Peace River region of BC.

atoma (Smith, 1907) *(Semiophora)*
janualis (Grote, 1878) *(Agrotis)*
youngii (Smith, 1902) *(Semiophora)*

subgenus ***Megasema*** Hübner, 1821

933588 *c-nigrum* (Linnaeus, 1758) *(Phalaena)** R AK YT NT -- BC AB SK MB ON QC LB NF NB NS PE
adela Franclemont, 1980 *(Xestia)*
degenerata (Staudinger, 1889) *(Agrotis)*
depravata (Bang-Haas, 1912) *(Agrotis)*
ignorata (Eitschberger, 1972) *(Amathes)*
kurilana (Bryk, 1942) *(Diarsia)*
nunatrum (Esper, 1786) *(Bombyx)*
singularis (Esper, 1786) *(Bombyx)*

933589 *dolosa* Franclemont, 1980 *(Xestia)* R -- -- -- -- -- -- -- MB ON QC -- -- NB NS PE

933590 *wockei* (Möschler, 1862) *(Agrotis)** R AK YT NT -- -- -- -- -- -- QC LB NF -- -- --

a *wockei* (Möschler, 1862) *(Agrotis)* r u -- -- -- -- -- -- -- -- qc lb nf -- -- --
aldani (Herz, 1903) *(Agrotis)*
helenae (Corti & Draudt, 1933) *(Anomogyna)*
tundrana (Bang-Haas, 1912) *(Agrotis)*
veruta (Corti & Draudt, 1933) *(Anomogyna)*
voccei (Hampson, 1903) *(Epipsilia)*

b *troubridgei* Lafontaine, 1998 *(Xestia)* r u yt -- -- -- -- -- -- -- -- -- -- -- --

933591 *scropulana* (Morrison, 1874) *(Agrotis)* R -- -- -- -- -- -- -- MB -- QC LB NF -- -- --
moeschleri (Bang-Haas, 1910) *(Agrotis)*

933592 *staudingeri* (Möschler, 1862) *(Agrotis)** R -- E -- -- -- -- -- -- -- QC LB -- -- -- --
NOTE: Reports of this species in western NA refer to *X. inuitica*; *X. staudingeri* does not occur west of QC.

933593 *inuitica* Lafontaine & Hensel, 1998 *(Xestia)* R AK YT NT NU -- -- -- -- -- -- -- -- -- -- --

933595 *maculata* (Smith, 1893) *(Agrotiphila)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
maculate Smith, 1984 *(Xestia)*

subgenus ***Pachnobia*** Guenée, 1852

speciosa group Lafontaine, 1998

933596 *speciosa* (Hübner, [1813]) *(Noctua)** R AK YT NT NU BC AB E MB E E E E -- -- --
NOTE: Records from SK, ON, QC, and Atlantic Canada are erroneous, and refer to *X. mixta*.

a *speciosa* (Hübner, [1813]) *(Noctua)*
arctica (Zetterstedt, [1839]) *(Hadena)*

b *aklavicensis* (Benjamin, 1933) *(Anomogyna)* r ak yt nt nu -- -- -- -- -- -- -- -- -- -- --

c *apropitia* (Benjamin, 1933) *(Anomogyna)* r -- -- -- -- bc ab -- -- -- -- -- -- -- -- --

933597 *mixta* (Walker, 1856) *(Acronycta)* R AK -- NT -- BC AB SK MB ON QC LB NF NB NS --
livalis (Smith, 1910) *(Aplectoides)*

alpicola group Lafontaine, 1998

933598 *imperita* (Hübner, [1831]) *(Ogygia)* R AK YT NT NU BC AB SK MB ON QC LB NF NB NS --
arufa (Smith, 1905) *(Aplectoides)*
comparata (Möschler, 1862) *(Agrotis)*
daisetsuzana (Matsumura, 1927) *(Euxoa)*
discitincta (Walker, 1856) *(Bryophila)*
saxigena (Morrison, 1875) *(Agrotis)*

933599 *albuncula* (Eversmann, 1851) *(Cymatophora)** R AK YT NT -- -- -- -- -- -- -- -- -- -- -- --
arufoides (Benjamin, 1933) *(Anomogyna)*
mallochi (Benjamin, 1933) *(Anomagyna)*
stejnigeri (Benjamin, 1933) *(Anomogyna)*

tecta group Lafontaine, 1998

933600	*atrata* (Morrison, 1874) *(Pteroscia)**	R	AK	YT	--	--	BC	AB	SK	MB	ON	QC	LB	U	--	--	--
	NOTE: The NF record by Forbes (1954) (repeated by Morris 1980) could not be verified but is plausible.																	
	a *atrata* (Morrison, 1874) *(Pteroscia)*	r	--	--	--	--	bc	ab	sk	mb	on	qc	lb	u	--	--	--
	b *yukona* (McDunnough, 1921) *(Pteroscia)*	r	ak	yt	--	--	--	--	--	--	--	--	--	--	--	--	--
933601	*ursae* (McDunnough, 1940) *(Anomogyna)**	R	--	YT	NT	NU	BC	--	--	MB	--	--	--	--	--	--	--
933602	*tecta* (Hübner, [1808]) *(Noctua)**	R	AK	YT	NT	NU	BC	--	--	MB	--	QC	LB	--	--	--	--
	a *tecta* (Hübner, [1808]) *(Noctua)* *ampla* (Hübner, 1809) *(Noctua)* *nolens* (Corti & Draudt, 1933) *(Anomogyna)*	r	--	--	--	nu	--	--	--	mb	--	qc	lb	--	--	--	--
	b *tectoides* (Corti, 1926) *(Agrotis)* *roosta* (Smith, 1903) *(Pachnobia)*	r	ak	yt	nt	nu	bc	--	--	--	--	e	e	--	--	--	--
933603	*kolymae* (Herz, 1903) *(Agrotis)**	R	--	YT	--	--	--	--	--	--	--	--	--	--	--	--	--

okakensis group Lafontaine, 1998

933604	*okakensis* (Packard, 1867) *(Agrotis)**	R	AK	YT	NT	NU	BC	AB	--	MB	--	QC	LB	NF	--	--	--
	a *okakensis* (Packard, 1867) *(Agrotis)* *cinerea* (Hampson, 1903) *(Episilia)* *ocacensis* (Hampson, 1903) *(Episilia)*	r	--	--	--	nu	bc	ab	--	mb	--	qc	lb	nf	--	--	--
	b *morandi* (Benjamin, 1934) (Pachnobia)*	r	ak	yt	nt	--	--	--	--	--	--	--	--	--	--	--	--

lorezi group Lafontaine, 1998

933605	*lorezi* (Staudinger, 1891) *(Hiptelia)**	R	AK	YT	--	--	--	--	--	--	--	--	--	--	--	--	--
	b *ogilviana* Lafontaine, 1987 *(Xestia)*	r	ak	yt	--	--	--	--	--	--	--	--	--	--	--	--	--

sincera group Lafontaine, 1998

933606	*perquiritata* (Morrison, 1874) *(Polia)*	R	AK	YT	NT	--	BC	AB	SK	MB	ON	QC	LB	NF	NB	NS	--
	a *perquiritata* (Morrison, 1874) *(Polia)* *baileyana* (Grote, 1880) *(Agrotis)* *beddeci* (Hampson, 1913) *(Aplectoides)* *beddeki* Hampson, 1913 *(Xestia)* *clarkei* (Benjamin, 1933) *(Anomogyna)*	r	ak	yt	nt	--	u	u	sk	mb	on	qc	lb	nf	nb	ns	--
	b *partita* (McDunnough, 1921) *(Anomogyna)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--
	c *orca* Crabo & Hammond, 2013 *(Xestia)*																
933607	*fabulosa* (Ferguson, 1965) *(Anomogyna)*	R	--	YT	--	--	BC	AB	SK	MB	U	QC	LB	NF	NB	--	--
	NOTE: The ON records by Riotte (1992) and others could not be verified. Historical records of the Palaearctic species *X. sincera* in NA refer to this species. The AB record by Dod (1915) of "?*Platagrotis gelida* Sparre-Schneider, var. *mevesi* Auriv.", was noted therein as being very close to *P. sincera*, and it is assumed to refer to this species.																
	sincera of authors (not Herrich-Schäffer, 1851) *(Agrotis)*																

rhaetica group Lafontaine, 1998

933608	*homogena* (McDunnough, 1921) *(Anomogyna)*	R	AK	YT	NT	--	BC	AB	SK	MB	--	QC	LB	NF	NB	--	--
	a *homogena* (McDunnough, 1921) *(Anomogyna)*	r	--	--	--	--	bc	ab	--	--	--	--	--	--	--	--	--
	b *conditoides* (Benjamin, 1933) *(Anomogyna)*	r	ak	yt	nt	--	u	u	sk	mb	--	qc	lb	nf	nb	--	--

alaskae group Lafontaine, 1998

933609	*intermedia* (Kononenko, 1981) *(Agrotiphila)**	R	AK	YT	--	--	BC	--	--	--	--	--	--	--	--	--	--
933610	*thula* Lafontaine & Kononenko, 1983 *(Xestia)**	R	--	YT	NT	NU	--	--	--	--	--	P	--	--	--	--	--
933611	*alaskae* (Grote, 1876) *(Agrotis)** *alascae* (Hampson, 1903) *(Agrotiphila)* *singularis* (Kononenko, 1981) *(Agrotiphila)*	R	AK	YT	--	--	--	--	--	--	--	--	--	--	--	--	--
933612	*aequaeva* (Benjamin, 1934) *(Epipsiliamorpha)*	R	AK	YT	--	--	--	--	--	--	--	--	--	--	--	--	--
	a *aequaeva* (Benjamin, 1934) *(Epipsiliamorpha)*	r	ak	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	b *glaucina* Lafontaine & Mikkola, 1996 *(Xestia)*	r	u	yt	--	--	--	--	--	--	--	--	--	--	--	--	--

quieta group Lafontaine, 1998

933613 *quieta* (Hübner, [1813]) *(Noctua)** R AK YT NT NU -- -- -- MB -- P -- -- -- -- --
constricta (Walker, 1857) *(Anarta)*
rigida (Walker, 1857) *(Anarta)*
schoenherri (Zetterstedt, 1839) *(Anarta)*
933614 *bryanti* (Benjamin, 1933) *(Archanarta)* R AK YT NT -- BC P -- -- -- -- -- -- -- -- --
acraea (Benjamin, 1934) *(Archanarta)*
933615 *lyngei* (Rebel, 1923) *(Agrotiphila)** R AK YT -- -- P -- -- -- -- -- -- -- -- -- --
933616 *woodi* Lafontaine & Kononenko, 1983 *(Xestia)* R AK YT NT -- -- -- -- -- -- -- -- -- -- --
933617 *fergusoni* Lafontaine, 1983 *(Xestia)** R AK YT -- -- -- -- -- -- -- -- -- -- -- --
933618 *liquidaria* (Eversmann, 1848) *(Amphidasis)** R AK YT -- -- -- -- -- -- -- -- -- -- -- --
arctica (Aurivillius, 1883) *(Schoyenia)*
fasciata (Skinner, 1902) *(Psychophora)*
unifasciata (Ménétriés, 1851) *(Amphidasis)*

laetabilis group Lafontaine, 1998

933619 *lupa* Lafontaine & Mikkola, 1998 *(Xestia)* R AK YT NT NU BC AB -- MB -- QC LB NF -- -- --
NOTE: Records of the Palaearctic species *X. laetabilis* in NA refer to this species.
laetabilis of authors (not Zetterstedt, 1839) *(Hadena)*

penthima group Lafontaine, 1998

933620 *laxa* Lafontaine & Mikkola, 1998 *(Xestia)* R -- YT NT -- -- -- -- -- -- -- -- -- -- --

***Parabarrovia* Gibson, 1920**

933621 *keelei* Gibson, 1920 *(Parabarrovia)** R AK YT NT -- -- -- -- -- -- -- -- -- -- --
933622 *omilaki* Lafontaine, 1998 *(Parabarrovia)* R AK -- -- -- -- -- -- -- -- -- -- -- -- --
933623 *ogilviensis* Lafontaine, 1988 *(Parabarrovia)* R -- YT -- -- -- -- -- -- -- -- -- -- -- --

***Coenophila* Stephens, 1850**
Eugraphe Hübner, 1821

933624 *opacifrons* (Grote, 1878) *(Agrotis)* R AK -- -- -- BC AB SK MB ON QC LB NF NB NS PE
NOTE: Historical records of the Palaearctic species "*Eugraphe subrosea*" in NA refer to this species.
decipiens (Warnecke, 1924) *(Agrotis)*
furushonis (Matsumura, 1925) *(Aplectoides)*
kieferi (Rebel, 1912) *(Agrotis)*
latefasciata (Hoyningen-Huene, 1901) *([unknown])*
rubrifera (Warnecke, 1931) *(Agrotis)*
subcaerulea (Staudinger, 1871) *(Agrotis)*
subrosea of authors (not Stephens, 1829) *(Graphiphora)*

***Prognorisma* Lafontaine, 1998**

933625 *substrigata* (Smith, 1895) *(Noctua)* R -- -- NT -- BC AB SK MB -- -- -- -- -- -- --

***Agnorisma* Lafontaine, 1998**

933626 *badinodis* (Grote, 1874) *(Agrotis)* R -- -- -- -- -- E E E ON QC -- -- NB -- PE
NOTE: Historical records of this species in western Canada are erroneous, and refer to *A. bugrai*. True *A. badinodis* occurs only as far west in nNA as southern ON (though it occurs in eastern ND in the USA).
hero (Morrison, 1876) *(Agrotis)*
933627 *bugrai* (Koçak, 1983) *(Xestia)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
collaris (Grote & Robinson, 1868) *(Agrotis)*
933628E *bollii* (Grote, 1881) *(Agrotis)* E -- -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: The AB record by Bowman (1951) is erroneous; this species is restricted to southeastern USA (Lafontaine 1998).
hilaris (Grote, 1880) *(Agrotis)*

Pseudohermonassa Varga, 1990

933629 *bicarnea* (Guenée, 1852) *(Noctua)* R -- -- -- -- E AB SK MB ON QC -- NF NB NS PE
NOTE: The BC records by Anderson (1904) and Forbes (1954) are deemed erroneous; no vouchers are known west of AB.
plagiata (Walker, 1865) *(Mamestra)*
933630 *tenuicula* (Morrison, 1874) *(Agrotis)* R -- -- NT -- BC AB SK MB ON QC -- NF NB NS PE
treati (Grote, 1875) *(Agrotis)*
933631 *flavotincta* (Smith, 1892) *(Noctua)* R AK -- -- -- BC -- -- -- -- -- -- -- -- -- --
evelynae (Barnes & Benjamin, 1926) *(Triphaena)*

Setagrotis Smith, 1890

933633 *pallidicollis* (Grote, 1880) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
congrua (Smith, 1890) *(Agrotis)*
planifrons (Smith, 1890) *(Agrotis)*
933634 *vocalis* (Grote, 1879) *(Agrotis)* R -- -- -- -- EP AB -- -- -- -- -- -- -- -- --
NOTE: This species was reported from BC by various workers, often under the name "*S. cinereicollis* (Grote)", a synonym. These records refer to *S. pallidicollis*, which *cinereicollis* was once considered to be a synonym of. However, *S. vocalis* has recently been discovered at Waterton (AB) so it may yet be found in adjacent BC.
cinereicollis (Grote, 1876) *(Agrotis)*
invenusta (Grote, 1883) *(Agrotis)*
933635 *radiola* (Hampson, 1903) *(Lycophotia)* R -- -- -- -- -- AB -- -- -- -- -- -- -- -- --
radiatus Smith, 1900 *(Setagrotis)*

Tesagrotis Lafontaine, 1998

933636 *atrifrons* (Grote, 1873) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
933637 *piscipellis* (Grote, 1878) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
cinibarina (Hill, 1924) *(Euxoa)*
exculpatrix (Dyar, 1907) *(Noctua)*
933638 *corrodera* (Smith, 1907) *(Noctua)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

Adelphagrotis Smith, 1890

933640 *stellaris* (Grote, 1880) *(Agrotis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --
quarta (Grote, 1881) *(Agrotis)*
933641 *indeterminata* (Walker, 1865) *(Xylina)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --
innotabilis (Grote, 1874) *(Agrotis)*
washingtoniensis (Grote, 1881) *(Agrotis)*

Parabagrotis Lafontaine, 1998

933643 *formalis* (Grote, 1874) *(Agrotis)* R -- -- -- -- BC E -- E -- -- -- -- -- -- --
NOTE: Historical records from MB and AB are erroneous and refer to *P. exsertistigma*; true *P. formalis* is restricted to the Pacific Northwest.
binominalis (Smith, 1888) *(Agrotis)*
faculoides (Strand, 1916) *(Triphaena)*
morrisonistigma (Grote, 1876) *(Agrotis)*
observabilis (Grote, 1875) *(Agrotis)*
933644 *insularis* (Grote, 1876) *(Agrotis)* R -- -- -- -- BC -- -- E -- -- -- -- -- -- --
NOTE: Brodie's (1929) MB record is erroneous; this species is restricted to the Pacific Northwest. That record probably refers to *P. exsertistigma*.
emarginata (Grote, 1876) *(Agrotis)*
facula (Grote, 1876) *(Agrotis)*
faculana (Strand, 1916) *(Triphaena)*
inelegans (Smith, 1890) *(Agrotis)*
meta (Smith, 1903) *(Rhynchagrotis)*
niger (Smith, 1903) *(Rhynchagrotis)*
933645 *cupidissima* (Grote, 1875) *(Agrotis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

distracta (Smith, 1890) *(Rhynchagrotis)*
laetula (Grote, 1876) *(Agrotis)*

933646 *exsertistigma* (Morrison, 1874) *(Agrotis)* R -- -- -- -- BC AB SK MB S -- -- -- -- -- --
crenulata (Smith, 1888) *(Agrotis)*
exertistigma of authors, [no date] *(Parabagrotis)*

933647 *sulinaris* Lafontaine, 1998 *(Parabagrotis)* R AK -- -- -- BC AB -- -- -- -- -- -- -- -- --
confusa (Smith, 1888) *(Agrotis)*
faculella (Strand, 1916) *(Triphaena)*

Protolampra McDunnough, 1929

933648 *rufipectus* (Morrison, 1875) *(Agrotis)* R AK YT NT -- BC AB SK MB ON QC LB NF NB NS --

933649 *brunneicollis* (Grote, 1865) *(Noctua)* R -- -- -- -- BC AB SK U ON QC -- -- NB NS --
NOTE: The MB record by Brodie (1929), from Winnipeg and Aweme, could not be verified, but the species almost certainly occurs there.

Abagrotis Smith, 1890
Rhynchagrotis Smith, 1890

erratica group Lafontaine, 1998

933650 *erratica* (Smith, 1890) *(Agrotis)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: The MB records by Brodie (1929) and Crumb (1956) of this Pacific Northwest species are erroneous.
ornatus Smith, 1903 *(Abagrotis)*

trigona group Lafontaine, 1998

933653 *trigona* (Smith, 1893) *(Rhynchagrotis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
sambo (Smith, 1908) *(Rhynchagrotis)*

apposita group Lafontaine, 1998

933654 *apposita* (Grote, 1878) *(Agrotis)* R -- -- -- -- BC P -- -- -- -- -- -- -- -- --

bimarginalis group Lafontaine, 1998

933655 *vittifrons* (Grote, 1864) *(Noctua)* R -- -- -- -- BC AB SK E -- -- -- -- -- -- --
NOTE: Powell & Opler (2009) reported this species from southwestern MB, but that is deemed erroneous as no vouchers are known and its occurrence there is unlikely.

mirabilis group Lafontaine, 1998

933657 *mirabilis* (Grote, 1879) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

933659 *glenni* Buckett, 1968 *(Abagrotis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

933662 *pulchrata* (Blackmore, 1925) *(Lampra)* R -- -- -- -- BC -- -- -- -- -- -- -- -- -- --

933663 *nefascia* (Smith, 1908) *(Rhynchagrotis)* R -- -- -- -- BC AB -- -- -- E -- -- E -- --
NOTE: Eastern records refer to *A. benjamini*, recently raised to full species status (Goldstein & Nelson 2017).
crumbi Franclemont, 1955 *(Abagrotis)*
negascia (Smith, 1908) *(Rhynchagrotis)*

933663.1 *benjamini* Franclemont, 1955 *(Abagrotis)* R -- -- -- -- -- -- -- -- -- QC -- -- NB -- --

933664 *reedi* Buckett, 1969 *(Abagrotis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --

discoidalis group Lafontaine, 1998

933665 *duanca* (Smith, 1908) *(Rhynchagrotis)* R -- -- -- -- BC AB SK -- -- -- -- -- -- -- --

933666 *nanalis* (Grote, 1881) *(Agrotis)* R -- -- -- -- BC AB SK E -- -- -- -- -- -- --
NOTE: Powell & Opler (2009) reported this species from southwestern MB, but that is deemed erroneous as no vouchers are known and its occurrence there is unlikely.
mantalini (Smith, 1894) *(Caradrina)*

933667 *discoidalis* (Grote, 1876) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

placida group Lafontaine, 1998

933668 *turbulenta* McDunnough, 1927 *(Abagrotis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
933669 *hermina* Lafontaine, 1998 *(Abagrotis)* R -- -- -- -- BC AB SK MB -- -- -- -- -- -- --
933670 *dodi* McDunnough, 1927 *(Abagrotis)* R -- YT -- -- BC AB -- -- -- -- -- -- -- -- --
933671 *dickeli* Lafontaine, 1998 *(Abagrotis)* R -- -- -- -- BC -- SK MB -- -- -- -- -- -- --
NOTE: This species was known only from the CO holotype when it was described by Lafontaine (1998). Since then, specimens have been confirmed by JDL from BC, SK, and MB.
933672 *placida* (Grote, 1876) *(Agrotis)* R AK YT NT -- BC AB SK MB ON QC -- NF NB -- --
minimalis (Grote, 1879) *(Agrotis)*
933676 *orbis* (Grote, 1876) *(Agrotis)* R -- -- -- -- BC AB SK U ON P -- -- -- -- --
NOTE: The MB records by Brodie (1929) and Troubridge & Lafontaine (2003) could not be verified.
barnesi (Benjamin, 1921) *(Lampra)*
nevadensis (Benjamin, 1921) *(Lampra)*
orbitis (Strand, 1916) *(Triphaena)*
933677 *baueri* McDunnough, 1949 *(Abagrotis)* R -- -- -- -- BC -- -- -- -- -- -- -- -- --
933678 *variata* (Grote, 1876) *(Agrotis)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
varix (Grote, 1876) *(Agrotis)*
933679 *scopeops* (Dyar, 1904) *(Rhynchagrotis)* R -- -- -- -- BC AB -- E -- -- -- -- -- -- --
NOTE: The uncertain determination of MB specimens reported by Heath (1908) is deemed erroneous.
tecatensis Buckett, 1968 *(Abagrotis)*

cupida group Lafontaine, 1998

933680 *alternata* (Grote, 1864) *(Noctua)* R -- -- -- -- EP AB SK MB ON QC -- NF NB NS PE
NOTE: Reports of this species in BC by Anderson (1904) and ESBC (1906) are deemed erroneous. It was not reported by more recent workers and no vouchers are known; however, it is known from southwestern AB (Lafontaine 1998) and may well occur in the province.
alternatella (Strand, 1916) *(Triphaena)*
uniformis (Strand, 1916) *(Triphaena)*
933682 *forbesi* (Benjamin, 1921) *(Lampra)* R -- -- -- -- BC AB -- -- -- P -- -- -- -- --
nefascia of authors, [no date] *(Abagrotis)*
negascia (Smith, 1908) *(Rhynchagrotis)*
933683 *brunneipennis* (Grote, 1875) *(Agrotis)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
933685 *cupida* (Grote, 1865) *(Noctua)* R -- -- -- -- BC AB SK MB ON QC -- NF NB NS PE
velata (Walker, 1865) *(Graphiphora)*
933688 *anchocelioides* (Guenée, 1852) *(Cerastis)* R -- -- -- -- E E -- MB ON QC -- -- -- U --
NOTE: Historical reports of this species from BC and AB going back to Dyar (1904) are assumed to be erroneous; no such vouchers are known and it is otherwise not known to occur west of MB (Lafontaine 1998). The NS record by Perrin & Russell (1912) could not be verified but is plausible; the species is known from QC and southern ME.

Pronoctua **Smith, 1894**

933689 *typica* Smith, 1894 *(Pronoctua)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
933690E *pyrophiloides* (Harvey, 1876) *(Agrotis)* E -- -- -- -- E -- -- -- -- -- -- -- -- --
NOTE: Reports of this species from BC by various historical workers refers to *P. peabodyae*. Northern specimens of the latter were historically considered to be *P. pyrophiloides*, until Lafontaine (1998) clarified the matter. True *P. pyrophiloides* is restricted to CA and southern OR.
933691 *peabodyae* (Dyar, 1903) *(Noctua)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --
933692 *craboi* Lafontaine, 1998 *(Pronoctua)* R -- -- -- -- BC AB -- -- -- -- -- -- -- -- --

Isochlora **Staudinger, 1882**

933693 *sericea* (Lafontaine & Kononenko, 1996) *(Chamyla)* R AK -- -- -- -- -- -- -- -- -- -- -- -- --

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A definitive species list is the foundation of biodiversity and conservation work. As we deal with massive climatic changes in the Anthropocene, knowing which species make up our diverse ecosystems will be critically important if we wish to protect and restore them.

The Lepidoptera, moths and butterflies, are the fourth-largest insect order in terms of global diversity, with approximately 158,000 described species. Here we report the distributions of 5431 species that occur in Canada and Alaska, as well as 53 species that have been reported from the region but not yet verified. Additionally, 19 species are listed as interceptions or unsuccessful introductions, and 52 species are listed as probably occurring in the region.

The list is based on records from taxonomic papers, historical regional checklists, and specimen data from collections and online databases. All valid species and their synonyms, and all Nearctic subspecies and synonyms are included, except for butterfly subspecies (and their synonyms) that have never been reported from the region. The list is presented in taxonomic order, with the author, date of description, and original genus provided for each name.

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