



# Checklist of the sawflies (Hymenoptera) of Canada, Alaska and Greenland

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#### **Abstract**

A distributional checklist of the sawflies (Hymenoptera) of Canada, Alaska (USA) and Greenland (Denmark) is presented. In total, 758 extant, described species, classified in 113 genera in 12 families are recorded. Of these, 729 (in 113 genera in 12 families) are reported from Canada, 183 (in 48 genera in 8 families) from Alaska, and 7 (in 1 genus) from Greenland. The list includes 69 new species records and 5 new generic records for Canada and 29 new species records and 7 new generic records for Alaska. The family Xiphydriidae is also newly recorded from Alaska. No new records are reported from Greenland. Eighty-four new combinations are proposed for species of Nematinae (Tenthredinidae). Distributions are listed for all species, for those in Canada by province or territory, except the province of Newfoundland and Labrador is divided into the island of Newfoundland and the region of Labrador. This inventory is compared with previous Nearctic and Palaearctic surveys, checklists and catalogues.

### **Keywords**

Northern North America, sawflies, species distributions

<sup>\*</sup> Retired

# Introduction

Sawflies (including horntails) comprise an ancient series of lineages in the order Hymenoptera. Including fossils, there are 8618 described species of sawflies in the world (Taeger et al. 2018) compared to a total of about 154,000 in the order Hymenoptera (Huber 2017). The earliest known fossils of Hymenoptera are sawflies of the family Xyelidae (Riek 1955; Lara et al. 2014) from the middle to late Triassic. Previously, sawflies were classified in the suborder Symphyta (Smith 1979a); however, morphology-based phylogenetic studies on the order Hymenoptera established that sawflies were part of a paraphyletic grade of lineages that diverged prior to the origin of the suborder Apocrita, a clade that includes all other extant families of Hymenoptera (Königsmann 1977; Rasnitsyn 1988; Ronquist et al. 1999). This hypothesis of relationships has been supported by more recent studies using molecular data, e.g., Heraty et al. 2011; Peters et al. 2017. In most of these studies, the sawfly superfamily Xyeloidea (family Xyelidae) is sister group to all other Hymenoptera (but see Peters et al. 2017) and superfamily Orussoidea (family Orussidae) is sister group to Apocrita. Sawflies are currently classified into seven extant superfamilies and fourteen extant families (Taeger et al. 2010, 2018). All extant superfamilies are present in northern North America with representatives of all families except for Blasticotomidae (Tenthredinoidea) and Megalodontesidae (Pamphilioidea) (Taeger et al. 2018; Bennett et al. 2019) (Table 1 and Figs 2-26).

In terms of biology, all sawflies are herbivorous as larvae, except for Orussoidea which are parasitoids of horntails (Hymenoptera: Siricidae) (Rawlings 1957) and wood-boring beetles (Coleoptera) (Powell and Turner 1975). Most larvae are external feeders on angiosperms, but some taxa feed externally on conifers, for example, Diprionidae (Benson 1939), Pamphiliidae (Middlekauff 1958) as well as some Tenthredinidae (e.g., Prous et al. 2017). A few taxa, mostly in the tenthredinid subfamily Selandriinae, feed externally on ferns (Smith 1969b). Feeding inside plants has evolved several times, for example, wood-boring in Anaxyelidae (Wickman 1967), Siricidae (Schiff et al. 2012) and Xiphydriidae (Smith 1976a). Some larvae develop internally in stems, especially stem sawflies (Cephidae) (Ries 1937), whereas others feed and develop inside reproductive organs of their host plants, e,g,, species of Xyela Dahlman (Xyelidae) in the staminate cones of pine trees (Pinus Linnaeus) (Burdick 1961). Some species, especially in the genus Euura Newman have larvae that are gall-makers (Benson 1960). In addition, some are leaf-miners, especially within the tenthredinid subfamily Heterarthrinae (Leppänen et al. 2012). Because of their herbivory, some species can be pests, e.g., the wheat stem sawfly, Cephus cinctus Norton (Cephidae) is a widespread pest of wheat and other cereals in North America (Shanower and Hoelmer 2004) and Sirex noctilio Fabricius (Siricidae), a recent invasive species in North America, is a major pest of pine trees in many parts of the world (Hoebeke et al. 2005). As adults, most sawflies, especially females, feed on pollen and nectar, but some taxa, especially in the tenthredinid subfamilies Allantinae, Selandriinae and Tenthredininae are active predators of other insects (Benson 1950) (Fig. 17).

On a world level, sawfly researchers are very well-served by the online Electronic World Catalog of Symphyta (ECatSym) (Taeger et al. 2018), which provides a comprehensive compilation of the taxonomic and distributional information and literature sources for all species of sawflies. With respect to surveys of sawflies within the Nearctic region, the catalogue of Smith (1979a) recorded 992 species in America North of Mexico and included distributional ranges for all species, including those known in Alaska and Greenland up to 1974. Masner et al. (1979) calculated the number of described species of sawflies by family in Canada (443). A comprehensive survey of the sawflies of the state of Alaska (USA) has not been made since Smith (1979a), whereas Vilhelmsen (2015) recently reviewed the sawflies of Greenland. Taxonomically, the Nearctic sawfly fauna is very well-studied relative to other groups of Hymenoptera (see references in Table 2), and on a regional level is probably better studied than any other part of the world except for Europe (see comparison in Results and Discussion). Historically, early workers provided catalogues of Nearctic sawflies, e.g., Edward Norton (1867, 1868). In the late 19th and early 20th centuries Alexander MacGillivray and, later, Sievert Rohwer both described over 500 species of sawflies (Taeger et al. 2010), the majority of which were Nearctic. In addition, Charles Marlatt revised the North American species of the taxonomically challenging tenthredinid subfamily Nematinae (Marlatt 1896). Starting in the 1930s Herbert Ross contributed to our knowledge of Nearctic sawflies, most importantly with his classification of the genera (Ross 1937) as well as his catalog of the sawflies of North America, north of Mexico (Ross 1951). More recently, from the 1960s to the present, David Smith revised many groups, described over 500 species and provided the catalogue of the sawflies of America North of Mexico (Smith 1979a). Goulet (1992) provided keys to the genera and subgenera of the sawflies of Canada and Alaska. It is the purpose of this paper to provide a distributional checklist of the sawflies of Canada, Alaska and Greenland, incorporating previously published, substantiated records as well as new records based on authoritatively identified specimens.

# **Methods**

# Sources of data

Most records in this study are based on examination of specimens deposited in the Canadian National Collection of Insects, Arachnids and Nematodes, Ottawa (CNC). Other examined specimens are deposited in the following collections (with current curator and acronym used in Table 2): Centre for Biodiversity Genomics, University of Guelph, Guelph, Ontario, Canada (J. deWaard) (BIOUG); California Academy of Sciences, San Francisco California, USA (R. Zuparko) (CAS); Cornell University, Ithaca, New York, USA (J. Dombroskie) (CUIC); University of Guelph Insect Collection, Guelph, Ontario, Canada (S. Marshall) (DEBU); Utah State University, Logan, UT, USA (D. Wahl) (EMUS); Florida State Collection of Arthropods, Gainesville, FL, USA (E. Talamas) (FSCA); Illinois Natural History Survey, Champaign, Illinois,

USA (T. McElrath) (INHS), Northern Forestry Centre, Edmonton, Alberta, Canada (D. Langor) (NOFC); Collection Entomologique Ouellet-Robert, Département des Sciences Biologiques, Université de Montréal, QC, Canada (E. Normandin-Leclerc) (QMOR); Royal Ontario Museum, Toronto, Ontario, Canada (D.C. Darling) (ROM); Senckenberg Deutsches Entomologisches Institut, Müncheberg, Germany (A. Taeger) (SDEI); University of Alaska Museum, Fairbanks, AK, USA (D. Sikes) (UAM); University of Alberta, Strickland Museum, Edmonton, AB, Canada (F. Sperling) (UASM); National Museum of Natural History, Smithsonian Institution, Washington, DC, USA (D. Smith) (USNM). Some records are based on literature sources for which specimens could not be examined (literature citations shown in Table 2). A few records are based on comparison of DNA barcodes and photos on the Barcode of Life Datasystems (BOLD) website (Ratnasingham and Hebert 2007). These are denoted with the BIOUG acronym in Table 2. Finally, we do mention records from the 242 km<sup>2</sup> French Overseas Collectivity of Saint Pierre and Miquelon islands located 25 km from the southern coast of Newfoundland that were obtained from the TAXREF database (Gargominy et al. 2020) managed by the Muséum national d'Histoire naturelle, Paris, but specimens were not examined and these records are only mentioned in the text, not included in Table 2. We did not include any other records known only from websites or museum databases. We only include described species, not undescribed taxa or specimens identified only to genus. Fossils are not included in the checklist. All records published up to October 1, 2020 were evaluated for the current checklist.

#### Presentation of data

Distributions of taxa are indicated using acronyms of 18, mostly political regions of northern (mostly north of 45° latitude) North America. For practical purposes the province of Newfoundland and Labrador is divided into the island of Newfoundland and the region of Labrador on mainland Canada. The acronyms used for the regions are: AK = Alaska (USA), GL = Greenland (Denmark), CAN = Canada and, within Canada, AB = Alberta, BC = British Columbia, LB = Labrador, MB = Manitoba, NB = New Brunswick, NF = Newfoundland island, NS = Nova Scotia, NT = Northwest Territories, NU = Nunavut, ON = Ontario, PE = Prince Edward Island, QC = Quebec, SK = Saskatchewan, SPM = Saint Pierre and Miquelon, YT = Yukon Territory. These regions are shown in Fig. 1. The distributional data are presented in two ways. Table 1 is a summary of the numbers of described, recorded species of sawflies in Canada, Alaska and Greenland totalled for each family by region. Table 2 is the species checklist arranged alphabetically by superfamily for the same regions. The regions are depicted in the tables approximately from West to East beginning with northernmost continental North America (AK to NU) and then across more southern Canada (BC to NF), to Greenland, which provides a pictorial representation of the species' overall west-to-east distribution across northern North America. It contains three types of distributional records: 1) a published record for which we have examined a specimen; 2) a new (unpublished) record for which we have examined a specimen or a photo and sequence on the BOLD website; and 3) a published record for which we have not examined a specimen, but which we trust. Records from BOLD were considered as new (unpublished) records. The different types of records are indicated by different fonts and colours in Table 2 (see Table heading).

Literature references (shown in the far right column of Table 2) are only noted for previously published records for which no specimens were examined. Relevant major references for higher taxa, e.g., revisions of genera, regional checklists, are cited directly under the higher taxon names in Table 2. Our list is not a catalogue, therefore other than for most species of Nematinae (Tenthredinidae) (see below), synonyms and previous combinations are generally not included; these can be found in Taeger et al (2018). In addition to the published checklist, the data presented in Table 2 have been added to Canadensys (https://data.canadensys.net/ipt/resource?r=aafc-hymenoptera-canada-ak-gl) and are also registered on GBIF (Bennett 2021b).

# Classification

Classification follows Taeger et al. (2018) except for the spelling of Anaxyeloidea Martynov, 1925, instead of Anaxyleoidea. Of note, the checklist follows the relatively recent changes to the generic classification of Nematinae (Prous et al. 2014). For ease of use, previous taxonomic combinations are provided for those species that recently moved genus, e.g., most of the species now placed in *Euura*. For those combinations suggested by Taeger et al. (2018), but not yet formally published, we propose them as new. In total 84 new combinations in *Euura* and *Nematus* Panzer are proposed (see Table 2).

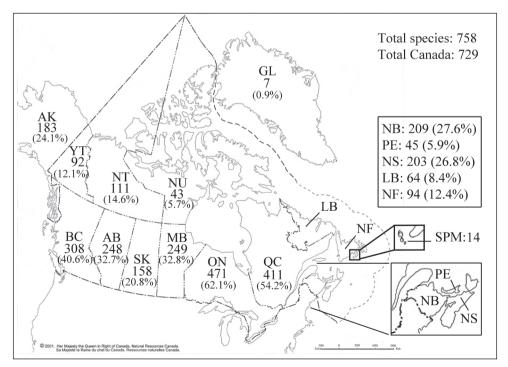
# Results and discussion

A total of 758 described, extant species of sawflies in 113 genera in 12 families are recorded in Canada, Alaska and Greenland (Tables 1, 2). This represents 8.2% of the 9250 species of Hymenoptera recorded from northern North America (Bennett 2021a). Of these, 729 species, in the same 113 genera and 12 families, are recorded from Canada. This is a 64.6% increase from the 443 species reported in Masner et al. (1979). Taeger et al. (2018) recorded 1245 extant described species in the Nearctic region, which means that northern North America has about 61% of the described Nearctic species, not taking into account new distributional records and species not included in Taeger et al. (2018).

Relative to other parts of the Northern Hemisphere, Canada's sawfly fauna is less speciose and/or less well-known than other countries/regions. The land mass of Canada is 9.985 million km², which equates to one species per 13,697 km². Adding Alaska (1.718 million km²) and Greenland (2.166 million km²) to this calculation, the average species density of sawflies in northern North America is one species per 18,297 km². In contrast, Taeger et al. (2006) published a checklist of the sawflies of Europe, which recorded 1392 species of sawflies. Considering the land mass of Europe (10.18 million km²), this equals an average of one sawfly species per 7313 km². Other Northern

**Table 1.** Described, recorded species of sawflies in Canada, Alaska and Greenland totalled for each taxon and in each region. See Methods (Presentation of data) for description of distributional acronyms and Fig. 1 for a map of their locations. Northwest Territories (NT) and Newfoundland (NF) totals each include six ambiguous records that may have been collected in Nunavut (NU) or Labrador (LB), respectively (denoted by NT\* and NF\* in Table 2).

Taxon	CAN+AK+GL	CAN(New)	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	NB	PE	NS	LB	NF	GL
ANAXYELOIDEA	1	1 (0)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Anaxyelidae	1	1(0)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
CEPHOIDEA	12	12(2)	0	0	0	0	7	3	3	5	7	6	1	0	5	0	1	0
Cephidae	12	12(2)	0	0	0	0	7	3	3	5	7	6	1	0	5	0	1	0
ORUSSOIDEA	5	5(1)	0	0	0	0	2	0	1	1	4	2	0	0	0	0	0	0
Orussidae	5	5(1)	0	0	0	0	2	0	1	1	4	2	0	0	0	0	0	0
PAMPHILIOIDEA	55	54(5)	6	1	1	0	25	15	10	16	40	35	25	3	19	2	8	0
Pamphiliidae	55	54(5)	6	1	1	0	25	15	10	16	40	35	25	3	19	2	8	0
SIRICOIDEA	28	28(2)	4	3	3	2	14	11	10	10	17	15	10	5	11	4	4	0
Siricidae	20	20(0)	3	3	2	2	13	11	9	8	10	10	7	4	8	3	4	0
Xiphydriidae	8	8(2)	1	0	1	0	1	0	1	2	7	5	3	1	3	1	0	0
TENTHREDINOIDEA	641	613(56)	172	84	104	41	251	213	133	217	393	346	172	37	166	58	80	7
Argidae	29	29(3)	4	3	4	0	10	9	4	11	21	19	10	2	9	1	2	0
Cimbicidae	10	9(2)	4	4	4	1	6	6	4	4	7	6	3	0	3	2	4	0
Diprionidae	25	25(1)	2	0	0	0	8	4	3	10	21	15	11	2	7	2	4	0
Pergidae	4	4(0)	0	0	0	0	0	0	0	0	3	3	0	0	2	0	0	0
Tenthredinidae	573	546(50)	162	77	96	40	227	194	122	192	341	303	148	33	145	53	70	7
XYELOIDEA	16	16(3)	1	4	3	0	8	6	1	0	10	7	1	0	2	0	1	0
Xyelidae	16	16(3)	1	4	3	0	8	6	1	0	10	7	1	0	2	0	1	0
TOTALS	758	729(69)	183	92	111	43	308	248	158	249	471	411	209	45	203	64	94	7



**Figure 1.** Map of Canada, Alaska and Greenland showing number of described, recorded sawfly species and percentage of total species for each region. Canada is comprised of all regions except for Alaska and Greenland. See Methods, Presentation of data section for acronyms of regions treated in the checklist.

**Table 2.** Checklist of described species of sawflies of Canada, Alaska and Greenland. See Methods for description of acronyms of regions and Fig. 1 for their locations. Black, regular font records are previously published and a specimen has been examined. Red, boldface records are new (unpublished) and a specimen has been examined. All specimens examined are deposited in the CNC, except if a depository acronym is noted in the far right column. Blue, italicized records are previously published but no specimen has been examined. Literature references are only noted for italicized records. For species with multiple italicized records based on multiple references, the references are listed in order from left to right, corresponding with the distributional records depicted from left to right, unless otherwise noted. An asterisk (\*) denotes a record that was collected prior to the establishment of Nunavut or Labrador, and it is uncertain whether the record is from the Northwest Territories or Nunavut, or from the island of Newfoundland or Labrador, respectively. § indicates a species that has been introduced from outside of North America in the last 500 years and has established a population.

ORDER HYMENOPTERA																		-
SUPERFAMILY ANAXYELOIDEA																		
FAMILY ANAXYELIDAE																		
Genus Syntexis Rohwer, 1915																		
S. libocedrii Rohwer, 1915	CAN	_	_	_	_	ВС	_	_	_	_	_	_	_	_	_	_	_	
SUPERFAMILY CEPHOIDEA																		
FAMILY CEPHIDAE																		
Nearctic revision - Ries 1937																		
Genus Caenocephus Konow, 1896																		
C. aldrichi Bradley, 1905	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
Genus Calameuta Konow, 1896																		
Key to Nearctic species - Smith and Schif	£2005																	
C. clavata (Norton, 1869)	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
Genus Cephus Latreille, 1802																		
C. cinctus Norton, 1872	CAN	_	_	_	_	ВС	AB	SK	MB	ON	QC	_	_	_	_	_	_	
C. pygmeus (Linnaeus, 1767) §	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	NS	_	_	_	Goulet 1987
Genus Janus Stephens, 1835																		
Key to Nearctic species - Smith and Solor	non 1989	)																
J. abbreviatus (Say, 1824)	CAN	_	_	_	_	_	AB	SK	MB	ON	QC	_	_	NS	_	_	_	Emond and
																		Wong 1987
J. bimaculatus (Norton, 1869)	CAN	_	_	_	-	_	_	_	_	ON	QC	_	-	NS	-	-	_	NS-BIOUG
J. integer (Norton, 1861)	CAN	_	_	_	-	BC	AB	SK	MB	ON	QC	_	-	-	-	NF	_	Smith 1979a
Genus Phylloecus Newman, 1838																		
(= Hartigia Schiødte: see Liston and Prous	2014). N	Jearct	ic Rev	ision –	- Smit	h 198	6c as 1	Hartig	gia									
P. bicinctus Provancher, 1875	CAN	_	_	_	_	-	_	_	MB	ON	QC	_	-	-	-	-	_	
P. cowichanus (Ries, 1937)	CAN	_	_	_	-	BC	_	_	_	-	-	_	-	-	-	-	_	
P. riesi (D.R. Smith, 1986)	CAN	_	_	_	-	BC	_	_	_	-	-	_	-	-	-	-	_	
P. trimaculatus (Say, 1824)	CAN	_	_	_	_	BC	_	-	MB	ON	QC	NB	_	NS	_	_	_	BC, MB-Ries
																		1937; NB-
																		Smith 1986c
Genus Trachelus Jurine, 1807																		
T. tabidus (Fabricius, 1775) §	CAN	_	_		_	_	_	_	_	_		_	_	NS	_	_	_	
SUPERFAMILY ORUSSOIDEA																		
FAMILY ORUSSIDAE																		
Genus Orussus Latreille, 1796																		
Nearctic revision – Middlekauff 1983																		
O. minutus Middlekauff, 1983	CAN	_	_	_	-	_	_	_	MB	ON	-	-	-	-	-	-	-	Skvarla et al.
																		2015
O. occidentalis Cresson, 1879	CAN	-	-	-	-	ВС	-	SK	-	ON	-	-	-	-	-	-	-	Middlekauff
O::W/	CAN									ON	00							1983
O. sayii Westwood, 1835		-	_	_	-	_	-	-	-	ON		-	-	_	-	_	_	
O. terminalis Newman, 1838	CAN	-	_	_	-	P.C	-	-	-	ON	QC	-	-	_	-	_	_	INHS
O. thoracicus Ashmead, 1898	CAN	_			_	BC	_	_	_			_	_		_		_	шипо
SUPERFAMILY PAMPHILIOIDE	1																	

SUPERFAMILY PAMPHILIOIDEA FAMILY PAMPHILIIDAE SUBFAMILY CEPHALCIINAE

Genus Acantholyda Costa, 1894

Nearctic revision - Middlekauff 1958

Subconus Acautholida Costo 180/																		
Subgenus Acantholyda Costa, 1894 A. erythrocephala (Linnaeus, 1758) §	CAN	I _	_	_	_	_	AB	_	_	ON	OC	_	_	_	_	_	_	AB-NOFC
A. pini Rohwer, 1911	CAN		_	_	_	_	_	_	_		QC		_	_	_	_	_	
Subgenus <i>Itycorsia</i> Konow, 1894											~							
A. albomarginata (Cresson, 1880)	CAN	I AK	_	_	_	ВС	_	_	_	ON	_	_	_	NS	_	_	_	
A. angulata (MacGillivray, 1912)	CAN	I –	_	_	_	_	_	_	MB	ON	QC	NB	_	_	_	_	_	Middlekauff
, , , , , , , , , , , , , , , , , , , ,																		1958
A. atrata (Cresson, 1880)	CAN	I AK	_	-	-	BC	-	-	_	_	_	_	_	_	_	-	_	
A. balanata (MacGillivray, 1923)	CAN	-	_	-	-	BC	-	-	MB	ON	QC	NB	_	NS	_	_	_	
A. brunnicans (Norton, 1864)	CAN	-	_	-	-	BC	AB	-	_	_	_	NB	_	_	_	_	_	
A. brunniceps (Cresson, 1880)	CAN	-	-	-	-	_	-	-	-	ON	QC	NB	_	_	-	-	_	Middlekauff
																		1958
A. bucephala (Cresson, 1880)	CAN		-	_	-	ВС	-	-	_	-	-	-	-	_	-	-	-	
A. burkei Middlekauff, 1958	CAN		_	-	-	BC	AB	-	-	-	-	_	-	-	-	-	-	
A. chicoutimiensis (Huart, 1879)	CAN		-	-	-	-	_	-	-	ON	QC		-	-	-	-	-	161111 6
A. circumcincta (Klug, 1808)	CAN	-	_	-	-	_	-	-	-	-	QC	NB	-	-	-	-	-	Middlekauff
4	CAN	т				DC.												1958
A. crocina Middlekauff, 1958	CAN CAN		_	_	_	ВС	_	CIZ	-	ON.	-	NID.	_	NIC	_	_	_	
A. luteomaculata (Cresson, 1880) A. maculiventris (Norton, 1869)	CAN		-	_	_		AD			ON ON			_	NS NS	– LB	– NF	-	
A. ochrocera (Norton, 1869)	CAN		_	_	_	BC	AD -				_			NS NS	LD	INF	_	
	CAN		_	_	_	BC	_	SK SK	_	ON	_		-	143	_	_	_	
A. ruficeps (Harrington, 1893) A. terminalis (Cresson, 1880)	CAN		_	_	_	BC	_	ж	_	ON	QC	ND	_	_	_	_	_	
	CAN		_	_	_	_	_	_	_	ON	QC	NID	_	_	_	_	_	
A. tesselata (Klug, 1808) A. verticalis (Cresson, 1880)	CAN		_	_	_	BC		_	_	ON	QC	NB	_	_	_	_	_	Middlekauff
71. verticuis (Clesson, 1860)	Chi	. –	_	_	_	ьс	И	_	_	_	_	МВ	_	_	_	_	_	1958
A. zappei (Rohwer, 1920)	CAN	I –	_	_	_	ВС	_	_	_	ON	QC	NB	_	_	_	_	_	
Genus Cephalcia Panzer, 1803											_							
Key to Nearctic species – Eidt 1969																		
C. californica Middlekauff, 1958	CAN	1 –	_	_	_	BC	AB	_	_	_	_	_	_	_	_	_	_	Eidt 1969
C. distincta (MacGillivray, 1912)	CAN	I –	_	_	_	_	_	_	_	ON	QC	NB	_	NS	_	NF	_	Eidt 1969
C. fascipennis (Cresson, 1880)	CAN	1 –	_	_	_	BC	AB	SK	MB	ON	QC	NB	PE	NS	_	_	_	Eidt 1969
C. frontalis (Westwood, 1874)	CAN	1 –	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
C. fulviceps (Rohwer, 1910)	CAN	1 –	_	_	_	_	_	_	_	ON	QC	NB	_	_	_	_	_	
C. marginata Middlekauff, 1953	CAN	1 –	_	_	_	_	_	_	_	_	QC	NB	_	NS	_	_	_	
C. nigra Middlekauff, 1958	CAN	<b>I</b> –	_	_	_	_	_	_	_	ON	_	NB	_	NS	_	_	_	Eidt 1969
C. provancheri (Huart, 1879)	CAN	I AK	YT	_	_	BC	AB	SK	MB	ON	QC	NB	PE	NS	_	NF	_	Eidt 1969
C. semidea (Cresson, 1880)	CAN	1 –	-	_	_	_	_	-	_	ON	QC	NB	_	NS	_	NF	_	
SUBFAMILY PAMPHILIINAE																		
Genus Neurotoma Konow, 1897																		
Nearctic revision – Middlekauff 1958																		
N. crataegi Middlekauff, 1940	CAN	1 -	_	-	-	-	-	SK	MB	ON	_	-	-	-	_	-	-	SK-INHS
N. edwardi Liston, 1996	CAN	1 –	-	-	-	_	-	-	-	ON	QC	_	-	-	_	-	-	Smith 1979a
= N. fasciata (Norton, 1862)																		
N. inconspicua (Norton, 1869)	CAN	-	-	-	-	ВС	-	-	MB	ON	QC	NB	-	_	LB	NF	-	Middlekauff
N - 11:3 K: 1 11 1 - 07 1050	C43									011								1958
N. willi Middlekauff, 1958	CAN	_	_	-	-	_	-	-	-	ON	-	_	-	_	_	-	-	
Genus Onycholyda Takeuchi, 1938																		
Nearctic revision – Middlekauff 1964	CAN	т				ВС				ON	QC							
O. excavata (Norton, 1869) O. luteicornis (Norton, 1869)	CAN		_	_	_	ьс	_ ⊿R	CK.	MR	ON	_		_	NS	_	NF	_	Middlekauff
O. tutetorns (Notion, 1807)	C/II	. –	_	_	_	_	ИД	SIX	IVID	OIN	QC	IVD	_	143	_	141	_	1964
O. multisignata (Norton, 1864)	CAN	1 _	_	NT	_	BC	AB	SK	MB	ON	_	_	_	_	_	_	_	NT-INHS
O. nigritibialis (Rohwer, 1912)	CAN		_	_	_	_				ON	OC	_	_	NS	_	NF	_	AB, SK-
, , , , , , , , , , , , , , , , , , , ,																		Middlekauff
																		1964; NS-
																		Goulet 1987
O. quebecensis (Provancher, 1878)	CAN	-	-	-	-	-	-	-		ON					-	-	-	Goulet 1987
O. rufofasciata (Norton, 1869)	CAN	1 -	_	-	-	-	AB	_	MB	ON	QC	NB	PE	NS	_	NF	-	Middlekauff
0 11 100 11 1		v				n =												1964
O. sitkensis (Kincaid, 1900)	CAN	I AK	-	-	-	ВС	-	-	-	-	-	-	-	-	-	-	-	Kincaid 1900
Genus Pamphilius Latreille, 1803																		
Nearctic revision – Middlekauff 1964	CAN	7								ONT	00							Smith 1070
P. burquei (Provancher, 1878)	CAN	_	-	_	-	-	-	-	-	ΟIV	QC	-	-	-	-	_	-	Smith 1979a; Smith 1975b
																		Januar 17/30

P. cinctus Harrington, 1893	CAN	_	_	_	_	_	_	_	_	ON	OC	_	_	_	_	_	_	
						DC.	4 D				_							M: 111.1a
P. infuscatus Middlekauff, 1964	CAN	-	-	_	_	BC	AB	_	-	ON	QC	-	_	-	-	_	_	Middlekauff
																		1964
P. middlekauffi Shinohara & D.R.	CAN	-	-	_	_	BC	-	-	MB	ON	QC	NB	-	NS	-	-	_	Goulet 1987
Smith, 1983																		
P. ochreipes (Cresson, 1880)	CAN	AK	_	_	_	BC	AB	_	MB	ON	QC	_	_	NS	_	_	_	AK, MB-
																		Middlekauff
																		1964; NS-
																		Goulet 1987
P. pacificus (Norton, 1869)	CAN	_	_	_	_	ВС	AB	_	_	_	_	_	_	_	_	_	_	
*	C2 11 1	AK				ЪС	1110											Middlekauff
P. palachei (Ashmead, 1902)	_	лк	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1964
D #: 1 (N) 10(0)	CANT					D.C.				ONT	00			N.T.C.				
P. pallimaculus (Norton, 1869)	CAN	-	-	_	_	BC	_	_	-	ON	_	-	_	NS	-	-	_	Goulet 1987
P. persicum MacGillivray, 1907	CAN	-	_	_	_	_	_	_	_	ON	QC	_	_	_	-	_	_	Middlekauff
																		1964
P. phyllisae Middlekauff, 1964	CAN	_	_	_	_	_	_	_	_	ON	QC	NB	_	_	_	_	_	Middlekauff
																		1964
P. rileyi (Cresson, 1880)	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
P. semicinctus (Norton, 1862)	CAN	_	_	_	_	_	_	_	_	ON	QC	_	_	NS	_	_	_	Middlekauff
1. 30/1001011, 1002)	C2 11 1									011	QC			140				1964
D	CAN								MB									1,01
P. uniunguis Middlekauff, 1964		_	-	_	_	_	_	_		_	_	_	_	_	-	_	_	
P. vernalis Middlekauff, 1964	CAN	-	_	_	_	_	-	_	MB	_	_		-	-	-		_	
FAMILY SIRICIDAE																		
Nearctic Revision - Schiff et al. 2012																		
SUBFAMILY SIRICINAE																		
Genus Sirex Linnaeus, 1761																		
•	CANT		3.77			D.C.	4.0											Schiff et al.
S. abietinus Goulet, 2012	CAN	-	ΥT	_	_	ВС	AB	_	-	_	_	_	_	_	-	_	_	
																		2012
S. areolatus (Cresson, 1868)	CAN	-	-	_	_	BC	-	_	-	_	_	-	-	NS	-	-	_	Schiff et al.
																		2012
S. behrensii (Cresson, 1880)	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
S. californicus (Ashmead, 1904)	CAN	_	_	_	_	BC	AB	_	_	_	_	_	_	_	_	_	_	
S. cyaneus Fabricius, 1781	CAN	_	_	_	_	_	AB	SK	MR	ON	OC.	NB	_	NS	LB	NF	_	Schiff et al.
o. tyuntus rabilelas, 1701	C2 11 1						1110	011	11111	011	QC	110		140	LD	111		2012
C. Jangiaguda Middlalrauff 10/0	CAN					ВС												Schiff et al.
S. longicauda Middlekauff, 1948	CALV	_	_	_	_	DC	_	_	_	_	_	_	_	_	_	_	_	2012
0	0111					-	4.0	OYE		~	~~							2012
S. nigricornis Fabricius, 1781	CAN	-	-	_	_					ON	_	-	-	-	-	-	_	
S. nitidus (T. W. Harris, 1841)	CAN	AK	ΥT	NT	NU	BC	AB	SK	MB	ON	QC	NB	PE	NS	LB	NF	_	Schiff et al.
																		2012
S. noctilio Fabricius, 1793 §	CAN	_	_	_	_	_	_	_	MB	ON	QC	_	_	_	_	_	_	Schiff et al.
																		2012
S. varipes Walker, 1866	CAN	_	_	_	_	ВС	AB	_	_	_	_	_	_	_	_	_	_	Schiff et al.
o. varipes wanter, 1000	C2 11 1					ЪС	1110											2012
C 1795																		2012
Genus Urocerus Geoffroy, 1785	· cr 1 /																	
Key to Nearctic species – Smith 1987; Sch																		
U. albicornis (Fabricius, 1781)	CAN	-	_	_	_	ВС	AB	SK	MB	ON	QC	NB	PΕ	NS	-	NF	_	
U. californicus Norton, 1869	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
U. cressoni Norton, 1864	CAN	_	_	_	_	_	_	SK	MB	ON	OC.	NB	PE	NS	_	_	_	
U. flavicornis (Fabricius, 1781)	CAN		VT	NT	NII I	DC.					_				T D	NIE		Schiff et al.
O. juwworms (Fabricius, 1/81)	CAIN	ЛΙ	11	111	NU	ьс	ΛЬ	ЗK	IVID	ON	QC	IVD	FE	113	LD	INI	_	2012
11 1/04 / 1001)6	CANT										00							2012
U. sah (Mocsáry, 1881) §	CAN		_	_	_	_	_	_	_	_	QC	_	_	_	-	_	_	
U. taxodii (Ashmead, 1904)	CAN	_	_	_	_	_	_	_	_	ON	_		-	_	_		_	
SUBFAMILY TREMICINAE																		
Genus Tremex Jurine, 1807																		
T. columba (Linnaeus, 1763)									1.00	O 1 1	00	NID		* **				Schiff et al.
1. LOUITHOU (LIIIIIaCUS, 1/UJ)	CAN	_	_	_	_	-	AΒ	SK		( ) \			-		-			
	CAN	-	-	_	-	-	AB	SK	MB	ON	QC	IND	-	NS	-	_	_	
C V:C . 100/	CAN	-	-	-	-	-	AB	SK	MB	ON	QC	IND	_	NS	-	_	_	2012
Genus Xeris Costa, 1894	CAN	-	-	-	-	-	AB	SK	MB	ON	QC	IND	_	NS	-	_	_	
Genus Xeris Costa, 1894 World revision: – Goulet et al. 2015	CAN	-	-	-	-	-	AB	SK	MB	ON	QC	IND	_	NS	-	_	_	
	CAN		_	_	_	- BC	AB			ON -	QC -	-	_	_ NS	_	_	_	
World revision: - Goulet et al. 2015			_	_	_	ВС				- -	-	-	_	NS	_	_	_	2012
World revision: – Goulet et al. 2015 X. caudatus Cresson, 1865	CAN	AK		_	_					- -	- -	- -		NS		_		2012 Goulet et al.
World revision: – Goulet et al. 2015 X. caudatus Cresson, 1865 X. indecisus MacGillivray, 1893	CAN CAN	AK -			-	ВС	AB -	SK -	_	_	_	-	-	_		_		2012 Goulet et al.
World revision: – Goulet et al. 2015 X. caudatus Cresson, 1865 X. indecisus MacGillivray, 1893 X. melancholicus Westwood, 1874	CAN	AK -	- - - -	- - - -	_ _ _ _		AB -	SK -	_	- ON	_	-	-	- - NS	- - - -	- - -	_ _ 	2012 Goulet et al.
World revision: – Goulet et al. 2015 X. caudatus Cresson, 1865 X. indecisus MacGillivray, 1893 X. melancholicus Westwood, 1874 FAMILY XIPHYDRIIDAE	CAN CAN	AK -	- - -	- - -	-	ВС	AB -	SK -	_	_	_	-	-	_	- - -	- - -	_ _ 	2012 Goulet et al.
World revision: – Goulet et al. 2015 X. caudatus Cresson, 1865 X. indecisus MacGillivray, 1893 X. melancholicus Westwood, 1874	CAN CAN	AK -	- - - -	_ _ _ _	-	ВС	AB -	SK -	_	_	_	-	-	_	- - -	- - -	- - -	2012 Goulet et al.
World revision: – Goulet et al. 2015 X. caudatus Cresson, 1865 X. indecisus MacGillivray, 1893 X. melancholicus Westwood, 1874 FAMILY XIPHYDRIIDAE	CAN CAN	AK -	- - - -	- - -	-	ВС	AB -	SK -	_	_	_	-	-	_	- - -	- - -	_ _ 	2012 Goulet et al.
World revision: – Goulet et al. 2015 X. caudatus Cresson, 1865 X. indecisus MacGillivray, 1893 X. melancholicus Westwood, 1874 FAMILY XIPHYDRIIDAE Genus Xiphydria Latreille, 1802 Nearctic revision – Smith 1976a	CAN CAN CAN	AK _ _	_ _ 	_ _ _ 	-	ВС	AB -	SK -	_	- - ON	- QC	- - NB	-	_	_ _ 	- - -	_ _ 	2012 Goulet et al.
World revision: – Goulet et al. 2015 X. caudatus Cresson, 1865 X. indecisus MacGillivray, 1893 X. melancholicus Westwood, 1874 FAMILY XIPHYDRIIDAE Genus Xiphydria Latreille, 1802	CAN CAN	AK _ _	- - - -	_ 	-	ВС	AB -	SK -	_	- - ON	_	- - NB	-	_		- - -	- - -	2012 Goulet et al.

X. champlaini Rohwer, 1921 X. hicoriae Rohwer, 1918 X. maculata Say, 1836 X. mellipes T.W. Harris, 1841	CAN CAN CAN	_	_ _ _ _	- - - NT	- - -	- - BC	- - -	_ _ _ SK		ON ON ON ON	~		– – PE –		– – LB	- - - -	- - -	Smith 1976a UAM
X. prolongata (Geoffrey, 1785) § X. tibialis Say, 1824	CAN CAN		-	-	-	-	-	-	-	ON ON	OC	– NIR	_	– NS	-	-	-	
SUPERFAMILY TENTHREDINOI		_	_		_	_	_	_	_	OIN	QC	IND	_	143	_	_	_	
FAMILY ARGIDAE SUBFAMILY ARGINAE Genus Arge Schrank, 1802																		
Nearctic revision – Smith 1989																		
A. abdominalis (Leach, 1817)	CAN		-	-	-	-	-	-		ON	_				-	-	-	
A. borealis (Kirby, 1882)	CAN		-		-	-	_ A.D.	- cr		ON	~			NS	-	_ NTC	-	Smith 1989
A. clavicornis (Fabricius, 1781)	CAN	AK	_	NT	_	ВС	AB	SK	MB	ON	QC	_	_	NS	_	NF	_	AK, SK, MB- Smith 1989; NT-INHS; NF-Smith 1979a
A. coccinea (Fabricius, 1804)	CAN		-	-	-	- D.O	-	-	-	ON	-	-	-	-	-	-	-	
A. curvaria D.R. Smith, 1989	CAN		– VT	- NT	-	BC	_ A D	- CIV	- 1 (D	- ON	-	- NID	-	-	-	NIE	-	NF-BIOUG
A. cyra (Kirby, 1882) A. humeralis (Palisot de Beauvois,	CAN CAN		11	NT	_	ВС	AD	3K		ON ON	QC -	IND	_	NS	_	NF	_	NI-BIOUG
1809)	C2111									OIT								
A. macleayi (Leach, 1817)	CAN	-	_	-	_	BC	AB	_	MB	ON	QC	NB	PE	NS	-	-	_	Smith 1989
A. ochropus (Gmelin, 1790)§	CAN	-	-	-	-	-	-	-	-	ON	-	-	-	NS	-	-	-	Hoebeke and
A. onerosa (MacGillivray, 1923)	CAN		VТ	NT	_	ВС			MR	ON	OC	NB						Wheeler 2005
A. parena D.R. Smith, 1989	CAN			NT	_	BC		_	-	-	_	-	_	_	_	_	_	Smith 1989
A. pectoralis (Leach, 1817)	CAN	_	_	_	_	ВС	AB	SK	MB	ON	QC	NB	PE	NS	_	_	_	Smith 1989
A. quidia D.R. Smith, 1989	CAN	-	-	_	_	-	-	-		ON		-	_	-	-	_	_	
A. scapularis (Klug, 1814)	CAN	-	-	-	-	-	-	-		ON	_	-	-	-	-	-	-	
A. smithi Blank, Liston & Taeger, 2009		-	-	-	-	_ DC	-	-	MB	ON	QC	-	-	-	-	-	-	Smith 1989
A. sparta (MacGillivray, 1923)	CAN CAN		_	_	-	BC BC	_	-	-	-	-	-	-	-	-	_	-	
A. tavida D.R. Smith, 1989 A. tumsua D.R. Smith, 1989	CAN		_	_	_	ьс	_		_	ON	00	_	_	_	_	_	_	
A. willi D.R. Smith, 1989	CAN		_	_	_	_	_	_		ON	_	NB	_	NS	_	_	_	
SUBFAMILY ATOMACERINAE																		
Genus <i>Atomacera</i> Say, 1836  Nearctic revision – Smith 1969a <i>Atomacera debilis</i> Say, 1836	CAN									ON								
SUBFAMILY STERICTIPHORINAL					_				_	OIV								
Genus Aproceros Malaise, 1931																		
A. leucopoda Takeuchi, 1939 §	CAN	-	_	-	_	-	-	_	-	-	QC	-	_	-	-	-	_	CFIA 2020
Genus Schizocerella Forsius, 1927																		
Nearctic revision – Hartsough et al. 2007	CAN									ON								
S. lineata (Rohwer, 1909) S. pilicornis (Holmgren, 1868)	CAN CAN	_	_	_	_	BC	- ΔR	SK.	MR	ON	00	_	_	_	_	_	_	AB-INHS
Genus Sphacophilus Provancher, 188						DC	1110	OIL	IIID	OIT	QU							
Nearctic revision – Smith 1971a																		
Subgenus Ceocolus D.R. Smith, 1971																		
S. nigriceps (Konow, 1906)	CAN	-	-	_	-	-	AB	-	MB	-	-	-	-	-	-	-	-	Smith 1971a
Subgenus Litocolus D.R. Smith, 1971 S. cellularis (Say, 1836)	CAN									ON	00							
Genus Sterictiphora Billberg, 1820	CAIN	_	_	_	_	_	_	_	_	OIV	QC	_	_	_	_	_	_	
Nearctic revision – Smith 1969a																		
S. cruenta D.R. Smith, 1969	CAN	-	-	_	_	-	-	-	MB	ON	QC	NB	-	NS	-	_	-	
S. maura (Cresson, 1880)	CAN	-	-	-	-	-	AB	-	-	-	-	-	-	-	-	-	-	INHS
S. prunivora (Dyar, 1897)	CAN		-	-	-	-	-	-	-		QC		-	-	— Т В	-	-	
S. sericea (Norton, 1867) S. transversa D.R. Smith, 1969	CAN CAN		_	_	_	_	– AB	_	_	ON	QC		_	_	LB	_	_	Smith 1969a
FAMILY CIMBICIDAE	W 11 V	2111	_	_	_	_	1111	_	_	014	QC.	_	_	_	_	_	_	
SUBFAMILY ABIINAE																		
Genus Abia Leach, 1817																		
A. americana (Cresson, 1880)	CAN	AK	-	-	-	BC	AB	SK	MB	ON	QC	-	-	NS	-	NF	-	AK-Smith
(species complex)																		1979a; BC- BIOUG; NS- Goulet 1987

A. fasciata (Linnaeus, 1758) §	CAN	-	-	_	-	-	-	-	-	-	QC	-	-	-	-	NF	-	
A. inflata (Norton, 1861)	CAN	-	YT	NT	-						QC		-	-	LB	-	-	
A. kennicotti Norton, 1867	CAN	-	-	-	-		AB	-	-		QC	-	-	-	-	-	-	
A. lonicerae (Linnaeus, 1758)§	CAN	_	_		_	_	_	_	_	ON	_	_	_	_	_		_	
SUBFAMILY CIMBICINAE Genus Cimbex Olivier, 1791																		
C. americanus Leach, 1817	CAN	ΑK	VT	NT	_	BC.	AR	SK	MR	ON	QC	NR		NS	_	NF	_	
(species complex)	CILIV	7111	11	111		ьс	110	JIL	IVID	OIV	QC	IND		145		111		
C. semidea (Cresson, 1880)	CAN	_	ΥT	_	_	ВС	AB	_	_	ON	_	_	_	_	_	_	_	BC-INHS
Genus Trichiosoma Leach, 1817																		
T. aleutianum Cresson, 1880	_	AK	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Smith 1979a
T. crassum W.F. Kirby, 1882	CAN	-	_	NT	_	_	-	_	_	_	_	-	_	_	_	-	_	Smith 1979a
T. triangulum W. Kirby, 1837	CAN	ΑK	YT	NT	NU	BC	AB	SK	MB	ON	QC	NB	-	NS	LB	NF	_	
(species complex)																		
FAMILY DIPRIONIDAE			,															
Key to Nearctic genera and species checklis	t – Smitl	197	4a															
SUBFAMILY DIPRIONINAE																		
Genus <i>Diprion</i> Schrank, 1802  D. similis (Hartig, 1836)§	CAN								MR	ON	00	MR	DE	MC		NF		MB-Wong
D. simus (Harig, 1650)	CAIN	_	_	_	_	_	_	_	IVID	OIN	QC	IVD	1 L	113	_	111	_	and Tidsbury
																		1983; NB, PE,
																		NS, NF-Lyons
																		2014
Genus Gilpinia Benson, 1939	0111									011	00							6 11 1070
G. frutetorum (Fabricius, 1793)§	CAN	-	-	_	-	-	-	-	_ MD		QC	- NID	— —	- NIC	- I D		-	Smith 1979a
G. hercyniae (Hartig, 1837)§	CAN	-	_	_	-	-	-	_	MB	ON	QC	NB	PE	1/1/2	LB	NF	-	Wong 1972; Bowers et al.
																		1993; Turnock
																		and Melvin
																		1963
Genus Neodiprion Rohwer, 1918																		
Nearctic revision – Ross 1955																		
N. abbotii (Leach, 1817)	CAN		-	_	-	_ DC	AB	-			QC			-	- T D	-	-	C :1 1070
N. abietis (T.W. Harris, 1841)	CAN	AK	-	-	-			SK.	MB		QC	NB	-	N5	LB	NF	-	Smith 1979a
N. burkei Middleton, 1931	CAN CAN	_	_	_	-	BC	AB	_	_	ON	QC	- MD	_	_	_	-	-	Atwood and
N. compar (Leach, 1817)	CAIN	_	_	_	_	_	_	_	_	ON	QC	IVD	_	_	_	_	_	Peck 1943
N. dubiosus Schedl, 1933	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
N. fulviceps (Cresson, 1880)	CAN	_	_	_	_	ВС	_	_	_	_	_	_	_	_	_	_	_	
N. lecontei (Fitch, 1858)	CAN	_	_	_	_	_	_	_	_	ON	QC	NB	_	_	_	_	_	Coppel and
																		Benjamin
N D 1 1010	CANT								1.00	ONI	00							1965
N. maurus Rohwer, 1918	CAN	-	_	_	-	-	-	_	MB	ON	QC	-	_	_	_	-	-	Lawrence and Melvin 1967
N. mundus Rohwer, 1918	CAN	_	_	_	_	ВС	_	_	_	_	_	_	_	_	_	_	_	111111111111111111111111111111111111111
N. nanulus Schedl, 1933	CAN	_	_	_	_		AB	_	MB	ON	QC	NB	_	NS	_	_	_	Ciesla and
, , , , , , , , , , , , , , , , , , , ,											_							Smith 2011
N. nigroscutum Middleton, 1933	CAN	-	-	_	-	-	-	-	_	ON	-	-	_	_	-	-	_	
N. pinetum (Norton, 1869)	CAN	-	-	-	-	-	-	-	-	ON	QC	NB	-	-	-	NF	-	Atwood and
M(D	CANT								1.00	ONI	00	N TD		N.T.C.				Peck 1943 MB-Turnock
N. pratti (Dyar, 1899)	CAN	-	_	_	-	-	-	_	MB	ON	QC	IVB	-	NS	_	-	-	and Melvin
																		1963; NB, NS-
																		Smith 1979a
N. rugifrons Middleton, 1933	CAN	-	_	_	_	_	-	-	MB	ON	_	_	-	_	_	-	-	
N. scutellatus Rohwer, 1918	CAN	-	-	_	-	BC	-	_	-	_	_	-	-	-	-	-	_	
N. sertifer (Geoffroy, 1785) §	CAN	-	-	-	-	-	-	SK	-	ON	_	-	-	-	-	-	-	Looney et al.
M: M:111 1021	CANT					DC.			1 dr	ONT	00	A7D						2016 Wallace 1050
N. swainei Middleton, 1931	CAN	-	_	_	-	BC	-	-	MB	ON	QC	NB	-	-	-	-	-	Wallace 1959; Smith 1979a
N. tsugae Middleton, 1933	CAN	AK	_	_	_	ВС	_	_	_	_	_	_	_	_	_	_	_	5.111u1 1)/ Ja
N. virginianus Rohwer, 1918	CAN		_	_	_	-	_	_	MB	ON	QC	NB	_	NS	_	_	_	
SUBFAMILY MONOCTENINAE																		
Genus Monoctenus Dahlbom, 1835																		
M. fulvus (Norton, 1872)	CAN	-	_	_	_	_	-	SK	MB	ON	QC	_	_	NS	_	_	_	
M. melliceps (Cresson, 1880)	CAN	-	_	-	-	-	_	_	-	ON		-	_	-	-	-	_	
M. suffusus (Cresson, 1880)	CAN	_	_	_	_	_	-	_	_	ON	QC	_	_	-	_	_	_	Smith 1979a

FAMILY PERGIDAE																		
Nearctic checklist – Smith 2006a																		
Genus Acordulecera Say, 1836																		
A. dorsalis Say, 1836	CAN	_	_	_	_	_	_	_	_	ON	QC	_	_	NS	_	_	_	Goulet 1987
A. maculata MacGillivray, 1908	CAN	_	_	_	_	_	_	_	_	_	QC	_	_	_	_	_	_	
A. mellina MacGillivray, 1908	CAN	_	_	_	_	_	_	_	_	ON	QC	_	_	NS	_	_	_	Goulet 1987
A. pellucida (Konow, 1898)	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	CAN-Smith
1																		2006a; ON-
																		INHS
FAMILY TENTHREDINIDAE																		
SUBFAMILY ALLANTINAE																		
Nearctic revision – Smith 1979b																		
Genus Allantus Panzer, 1801																		
A. albolabris (Rohwer, 1917)	CAN	AK	_	-	_	BC	AB	SK	_	_	-	_	-	_	-	_	-	
A. basalis (Klug, 1818) §	CAN	_	_	-	_	_	_	_	_	_	-	_	-	NS	_	NF	_	
A. cinctus (Linnaeus, 1758)§	CAN	_	_	_	_	BC	_	_	_	ON	QC	NB	-	NS	-	NF	_	ON, NB-Smith
																		1979b; NS-
																		BIOUG
A. mellipes (Norton, 1861)	CAN		-	NT	_	-	AB	SK	MB	ON	QC	NB	-	NS	-	-	-	
A. rahmus D.R. Smith, 1979	CAN	AK	-	NT	-	_	_	-	_	-	-	_	-	_	_	_	-	AK-USNM
A. umbonatus Wong, 1966	CAN	_	_	-	-	BC	AB	SK	MB	ON	QC	-	-	-	_	_	-	
A. viennensis (Shrank, 1781)	CAN	_	_	-	_	_	_	_	_	ON	-	_	-	_	_	_	_	
Genus Ametastegia Costa, 1882																		
A. angusta (Kincaid, 1900)	CAN	AK	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
A. aperta (Norton, 1861)	CAN	AK	_	_	_	_	AB	_	MB	ON	QC	_	_	NS	_	NF	_	Smith 1979b
A. articulata (Klug, 1818)	CAN	_	_	_	_	_	_	_	_		QC		_	_	_	_	_	
A. coloradensis (Weldon, 1907)	CAN	AK	YΤ	_	_	ВС	AB	_	_	_	_	_	_	_	LB	_	_	
A. equiseti (Fallén, 1808)	CAN			NT	_	BC		SK	_	ON	QC	_	PE.	NS	_	_	_	
A. glabrata (Fallén, 1808) §	CAN		_	_	_						QC			NS	_	_	_	
A. pallipes (Spinola, 1808) §	CAN			_	_		AB	-			QC			NS	_	NF	_	AK-UAM
A. recens (Say, 1836)	CAN			_	_	BC		_	_	-	-	- 112	_	-	_	NF*	_	Smith 1979a
A. rocia D.R. Smith, 1979	CAN	- AIK	_	NT	_	<i>b</i> C	_	_	_	ON	QC	NIR	_	_	_	111	_	omidi 1979a
					_			_	_					_	_	_	_	AV LICNIM
A. tenera (Fallén, 1808)§	CAN		_	-	-	ВС	-	-	-		QC			-	-	_ NTC	_	AK-USNM
A. xenia D.R. Smith, 1979	CAN	-	_	_	_	_	_	_	_	ON	QC	IVB	_	NS	-	NF	-	Smith 1979b
Genus Aphilodyctium Ashmead, 189						D.C.		017	1 m	011	00			<b>&gt;</b> ***				
A. fidum (Cresson, 1880)	CAN	-	-	-	-	BC	AB	SK	MB	ON	QC	-	-	NS	-	-	-	
Genus Dimorphopteryx Ashmead, 18																		
D. abnormis Rohwer, 1911	CAN		-	-	-	-	-	SK			QC		_	_	-	_	-	
D. melanognathus Rohwer, 1910	CAN		-	-	-	-	-	-			QC				-	NF	-	Smith 1979b
D. pinguis (Norton, 1860)	CAN	_	_	-	-	_	_	SK			QC		PE	NS	-	_	-	Smith 1979b
D. virginica Rohwer, 1911	CAN	-	_	_	_	_	_	-	_	ON	QC	_	-	NS	-	_	-	
Genus Empria Lepeletier, 1828																		
E. alpina Benson, 1938	CAN	-	YT	NT	NU	BC	_	_	_	-	_	_	-	_	-	_	_	Smith 1979b
E. candidata (Fallén, 1808)	CAN	AK	ΥT	NT	_	BC	AB	_	MB	ON	QC	NB	_	NS	_	_	_	SK-INHS
E. coryli (Dyar, 1897)	CAN	_	_	_	_	_	_	_	_	_	QC	_	_	_	-	_	_	
E. evansi D.R. Smith, 1980	CAN	_	_	_	_	_	AB	_	_	_	_	_	_	_	_	_	_	Smith 1980a
E. ignota (Norton, 1867)	CAN	AK	YΤ	NT	_	BC	AB	SK	MB	ON	QC	NB	_	NS	LB	NF	_	Smith 1979b
E. improba (Cresson, 1880)	CAN	AK	ΥT	NT	_						QC		_	NS	LB	_	_	
E. maculata (Norton, 1861)	CAN			_	_						QC					_	_	
E. multicolor (Norton, 1862)	CAN		_	_	_						QC					NF	_	NF-INHS
E. nordica Ross, 1936	CAN		_	NT	_						QC					_	_	
E. obscurata (Cresson, 1880)	CAN										_				LB	_	_	Smith 1979b
Genus <i>Eriocampa</i> Hartig, 1837	0.111	7111		111	110	DC	7110	OIL	1111	011	QC	111			LD			
E. juglandis (Fitch, 1857)	CAN	_	_	_	_	_	_	_	_	ON	QC	NB	_	_	_	_	_	
E. ovata (Linnaeus, 1760) §	CAN				_	BC.	AB				QC						_	AK-USNM
Genus Macremphytus MacGillivray,		1111	_	_	_	DC	ш	_	_	OIN	QC.	_	_	_	_	_	_	
						DC.	ΛD											
M. lovetti MacGillivray, 1923	CAN		_	_	_		AB	CIZ	140	ON	-	_	_	_	_	ATT:	_	CV INILIC.
M. semicornis (Say, 1836)	CAN	-	_	_	_	BC	AB	SK	MB	ON	QC	_	-	_	-	NF	-	SK-INHS;
																		MB, NF-Smith
M tarcatus (Say 1836)	CAN									ON	QC	NR		NIC		NE		1979b Smith 1979b
M. tarsatus (Say, 1836)			-	_	_	PC	AD	- CV			-		_	NS	-	NF	_	Smith 1979b
M. testaceus (Norton, 1861)	CAN	-	-	_	_	DC	ΑĐ	лс	IVID	OIN	QC	IVD	-	_	_	_	_	5111til 17/70
Genus Monostegia Costa, 1859	CANT									ONT	00							
M. abdominalis (Fabricius, 1798) §	CAN	-	-	_	_	-	-	-	-	UN	QC	-	-	-	-	_	-	
Genus Monsoma MacGillivray, 1908						D.C.	A TO		) (P	ON.	00	NID		N TO	T D	Arr		C:.l. 10701
M. inferentium (Norton, 1868)	CAN	_	_	_	_	RC	AB	_	MB	ON	QC	ΝB	_	IVS	LB	IVF	_	Smith 1979b

M. pulveratum (Retzius, 1783)§	CAN	AK	-	-	-	-	-	-	-	-	-	-	-	-	-	NF	-	Kruse et al. 2010
Genus Phrontosoma MacGillivray,	1908																	
P. belfragei (Cresson, 1880)	CAN	_	_	_	_	_	AB	_	MB	ON	QC	_	_	NS	_	_	_	
P. brocca D.R. Smith, 1979	CAN	_	_	_	_	_	AB	_			QC	_	_	_	_	_	_	Smith 1980a
P. usta D.R. Smith, 1979	CAN		_	_	_	_	_	_	_		QC	_	_	_	_	_	_	
Genus Pseudosiobla Ashmead, 1898	3										_							
P. excavata (Norton, 1862)	CAN	_	_	_	_	_	_	_	_	_	QC	_	_	_	_	_	_	
Genus Taxonus Hartig, 1837											-							
T. borealis MacGillivray, 1895	CAN	_	_	_	_	_	_	_	_	ON	QC	_	_	NS	LB	NF	_	Smith 1979b
T. epicera (Say, 1836)	CAN		_	_	_	_	_	_	_		QC	_	_	_	_	_	_	
T. pallicoxus (Provancher, 1885)	CAN		_	_	_	RC.	AB	_			QC		_	NS	_	_	_	Smith 1979b
T. pallidicornis (Norton, 1868)	CAN			_	_	DC	71D -	_	-		QC	-		_			_	omai 197,90
T. pallipes (Say, 1823)	CAN		_	_		_	_		_		QC	_		_		_		
T. proximus (Provancher, 1885)	CAN		_	_		_	_	_			_	_	_	NS		_		
* .	CAN		_	_	_	_	_	_		ON	_	_	_	143	_	_	_	
T. rufocinctus (Norton, 1860)			_	_	_	_	_				-		_	_	_	_	_	
T. spiculatus (MacGillivray, 1908)	CAN		_	_	-	_		- CIZ	- -	ON	_	- NID			_	_	-	
T. terminalis (Say, 1824)	CAN	_	_		_		_	SK	MB	ON	QC	NB	ľŁ	IN3			_	
SUBFAMILY ATHALIINAE																		
Genus Athalia Leach, 1817																		
Nearctic distribution – Hoebeke et al. 20										ON								
A. cornubiae Benson, 1931 §	CAN		_		_		_	_		ON	_		_	_	_	_	_	
SUBFAMILY BLENNOCAMPINA	E																	
Nearctic revision – Smith 1969c																		
Genus Apareophora Sato, 1928	CANI									ON	00	NID						
A. dyari (Benson, 1930)	CAN		_	_	-	_	_	_	_		QC	NB	-	_	_	-	-	
A. rossi D.R. Smith, 1969	CAN	_	_	_	-	_	_	_	_	ON	_	_	-	_	_	-	-	
Genus Ardis Konow, 1886																		
A. atrata (Harrington, 1894)	CAN		-	_	-	ВС	_	-	_	_	_	-	-	-	-	-	-	
A. pallipes (Serville, 1823) §	CAN	AK	-	NT	-	ВС	AB	SK	MB	ON	QC	-	-	NS	-	-	-	AK-USNM;
C DI LA CITE	1022																	Goulet 1987
Genus Blennogeneris MacGillivray,									MD									
B. coloradensis (Rohwer, 1911)	CAN		_	_	_	- DC	_ A.D.	-	MB		_	_	_	-	_	_	_	
B. spissipes (Cresson, 1880)	CAN	-	_	-	-	BC	AB	SK	MB	ON	-	-	-	-	_	-	-	
Genus Claremontia Rohwer, 1909																		
C. conspiculata (MacGillivray, 1908)	CAN		_	-	-	-	_	_	_		QC	_	-	NS	_	-	-	
C. osgoodi (D.R. Smith, 1969)	CAN		-	-	-	_	_	-	_	ON		-	-	-	-	-	-	
C. paupera (Provancher, 1882)	CAN	_	-	_	-	_	AB	SK	-	ON	QC	_	-	-	LB		-	Smith 1969c
C. quebecensis (D.R. Smith, 1969)	CAN	-	-	-	-	-	_	-	_	ON	QC	_	-	-	_	-	-	
C. typica Rohwer, 1909	CAN	_	_	-	-	BC	_	_	_	-	_	_	_	-	_	-	-	
Genus Eupareophora Enslin, 1914																		
E. parca (Cresson, 1880)	CAN	_	-	_	-	_	AB	SK	MB	ON	QC	NB	_	_	_	_	-	Williams 2007;
																		Smith 1969c
Genus Eutomostethus Enslin, 1914																		
E. ephippium (Panzer, 1798) §	CAN		-	-	-	BC	_	-			QC		-	NS	-	NF	-	
E. luteiventris (Klug, 1816)§	CAN	AK	_	_	-	BC	AB	-	_	ON	QC	_	_	NS	_	-	-	AK-USNM
Genus Halidamia Benson, 1939																		
H. affinis (Fallén, 1807) §	CAN	-	-	-	-	BC	_	-	_	ON	-	_	-	-	_	-	-	
Genus Lagonis Ross, 1937																		
L. nevadensis (Cresson, 1880)	CAN	AK	_	-	-	BC	AB	_	_	-	_	_	_	-	_	-	-	AK-USNM;
																		Smith 1969c
Genus <i>Lycaota</i> Konow, 1903																		
L. sodalis (Cresson, 1880)	CAN	-	-	-	-	ВС	AB	SK	_	_	-	-	-	-	-	-	-	
Genus Monardis Enslin, 1914																		
M. pulla D.R. Smith, 1969	CAN	_	_	-	-	ВС	AB	SK	-	-	-	-	-	-	_	-	-	
Genus Monophadnoides Ashmead,	1898																	
M. atrata (MacGillivray, 1893)	CAN	AK	_	NT	-	BC	_	_	_	_	-	-	-	-	_	-	-	AK-USNM
M. rubi (T.W. Harris, 1845)	CAN	AK	-	NT	-	BC	AB	SK	MB	ON	QC	NB	_	NS	LB	NF	-	AK-USNM;
																		Goulet 1987
Genus Monophadnus Hartig, 1837																		
M. aequalis MacGillivray, 1908	CAN		-	-	-	_		SK	MB	ON	QC	-	-	_	-	-	-	
M. contortus (MacGillivray, 1923)	CAN		YT	-	-	BC	-	-	_	_	-	-	_	-	-	-	-	Smith 1969c
M. lattini D.R. Smith, 1969	CAN		-	-	-	-	-	-	MB		-	-	_	-	-	-	-	
M. pallescens (Gmelin, 1790)§	CAN	AK	-	-	-	ВС	-	-	-	ON	QC	NB	-	NS	-	NF	-	AK-USNM
Genus Paracharactus MacGillivray,																		
P. niger (Harrington, 1889)	CAN	_	-	-	-	_	-	-	_	ON	QC	-	_	NS	-	_	-	Goulet 1987

P. rudis (Norton, 1861)	CAN	-	-	-	-	_	-	SK	MB	ON	QC	-	-	NS	-	-	-	Goulet 1987
Genus Periclista Konow, 1886																		0 .1 .000
P. albicollis (Norton, 1872)	CAN	-	-	-	-	-	-	-	-	ON	_	-	-	-	-	-	-	Smith 1969c
P. diluta (Cresson, 1880)	CAN	-	-	-	-	-	-	-	-	ON	-	_	-	-	-	-	-	Smith 1969c
P. marginicollis (Norton, 1861)	CAN	_	-	_	-	_	-	_	-	ON	_	-	-	-	-	-	-	Smith 1979a
P. media (Norton, 1864)	CAN	_	-	_	-	_	-	-	MB	-	_	-	-	-	-	-	-	Smith 1979a
Genus <i>Phymatocera</i> Dahlbom, 1835																		
Key to species – Goulet 1981	0111									011	00							
P. fumipennis (Norton, 1861)	CAN	-	-	-	-	-	-	-		ON	_	-	-	-	-	-	-	
P. racemosae D.R. Smith, 1969	CAN	-	-	-	-	BC				ON	_	_	-	NS	-	-	-	Goulet 1987
P. rusculla (MacGillivray, 1923)	CAN	-	-	-	-					ON	_	-	-	-	-	-	-	CIZ D II IC
P. similata (MacGillivray, 1908)	CAN	-	-	-	-	BC	AB	SK		ON	_	_	-	-	-	-	-	SK-INHS
P. smilacinae D.R. Smith, 1969	CAN	-	-	-	-	-	-	-	-	ON	QC	-	-	NS	-	_	-	ON-DEBU;
																		QC-Smith
																		1969c; NS- Goulet 1987
Genus Rhadinoceraea Konow, 1886																		Goulet 1987
R. aldrichi (MacGillivray, 1923)	CAN					ВС	ΔR											
R. insularis (Kincaid, 1900)	CAN	4V	_	_	_	BC	AD	_	_	_	QC	_	_	_	_	_	_	Smith 1969c
R. nubilipennis (Norton, 1867)	CAN	71IX _	_	_	_	ьс	_	_	_	_	QC		_	_	_	_	_	Siliui 1707c
*	CAIN	_	_	_	_	_	_	_	_	_	QC	IND	_	_	_	_	_	
Genus Stethomostus Benson, 1939	CANI										00	NID	NIC					
S. fuliginosus (Shrank, 1781)§	CAN	_	_	_	_	_	_	_	_	_	QC	NB	1113	_	_	_	_	
Genus Tethida Ross, 1937	CANI							CIZ	1 (D	ONI	00	NID		NIC				Cl 1007
T. barda (Say, 1836)	CAN	-	_	_	_	-	_	3K	MB	ON	QC	NB	-	NS	_	_	_	Goulet 1987
Genus Tomostethus Konow, 1886	CANI									ONI								
T. multicinctus (Rohwer, 1909)	CAN	-	_	_	_	-	_	_	_	ON	-	_	_	-	_	_	_	
Genus Waldheimia Brullé, 1846	0111							OYE		011	00			1.70				C 1 1007
W. carbonaria (Cresson, 1880)	CAN	_	-	_	-	_	-	SK	-	ON	_	-	-	NS	-	-	-	Goulet 1987
W. vitis (T.W. Harris, 1832)	CAN	_			-		_	_		ON			_		_		_	
SUBFAMILY HETERARTHRINAE																		
Nearctic Revision – Smith 1971b																		
C C! C 1050																		
Genus Caliroa Costa, 1859	CANI					D.C.				OM								Ci.l. 1070.
C. annulipes (Klug, 1816) §	CAN	-	-	_	_	BC	_	_	-	ON	-	_	_	-	-	_	_	Smith 1979a
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) §	CAN	- -	- -	_	-	BC BC	_ _	- -	- -	<i>ON</i> ON	QC	- -	- -	_	- -	- -	- -	
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres,			- - -	- - -	_ _ _			_ _ _	- - -			_ _ _	- - -	- - -	- - -	- - -	- - -	Smith and
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) §	CAN		_ _ _	- - -	- - -			_ _ _	- - -		QC	_ _ _	- - -	- - -	- - -	- - -	- - -	Smith and Moisan-De
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017	CAN CAN			- - -		BC -	-				QC	-		_		- - -		Smith and
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017 C. distincta D.R. Smith, 1971	CAN CAN			-		BC - BC			_	ON - -	QC QC	_		- - -		-		Smith and Moisan-De
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017 C. distincta D.R. Smith, 1971 C. fasciata (Norton, 1864)	CAN CAN CAN CAN			_		BC - BC -	- - -			ON - - ON	QC QC - QC	_				- - -	_ _	Smith and Moisan-De
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017 C. distincta D.R. Smith, 1971 C. fasciata (Norton, 1864) C. hyalina D.R. Smith, 1971	CAN CAN CAN CAN CAN	_		_		BC - BC - -	_ _ _ _		_	ON - -	QC QC	_		- - -		-	_	Smith and Moisan-De
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017  C. distincta D.R. Smith, 1971 C. fasciata (Norton, 1864) C. hyalina D.R. Smith, 1971 C. labrata MacGillivray, 1909	CAN CAN CAN CAN CAN			_		BC - BC -	_ _ _ _		_	ON - - ON	QC QC - QC	- - NB -					_ _	Smith and Moisan-De
C. annulipes (Klug, 1816) § C. censi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017  C. distincta D.R. Smith, 1971 C. fasciata (Norton, 1864) C. hyalina D.R. Smith, 1971 C. labrata MacGillivray, 1909 C. liturata MacGillivray, 1909	CAN CAN CAN CAN CAN CAN CAN			- - - -		BC - BC - BC -	- - - - AB		_ _ _ _ _	ON - ON	QC QC - QC - -	- - NB - NB					_ _ _ _	Smith and Moisan-De Serres 2017
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017  C. distincta D.R. Smith, 1971 C. fasciata (Norton, 1864) C. hyalina D.R. Smith, 1971 C. labrata MacGillivray, 1909 C. liturata MacGillivray, 1909 C. lobata MacGillivray, 1909	CAN CAN CAN CAN CAN CAN CAN CAN	- - - - -		_		BC - BC - -	_ _ _ _		_	ON - ON - ON - ON	QC QC - QC - -	- NB - NB		- - - - - -			_ _	Smith and Moisan-De
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017  C. distincta D.R. Smith, 1971 C. fasciata (Norton, 1864) C. hyalina D.R. Smith, 1971 C. labrata MacGillivray, 1909 C. liturata MacGillivray, 1909 C. lobata MacGillivray, 1909 C. lonata MacGillivray, 1909	CAN CAN CAN CAN CAN CAN CAN CAN CAN			- - - -		BC - BC - BC -	- - - - AB		_ _ _ _ _	ON	QC QC - QC - -	- - NB - NB		- - - - - NS		- - - - - - - - - - -		Smith and Moisan-De Serres 2017 Goulet 1987
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C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017 C. distincta D.R. Smith, 1971 C. fasciata (Norton, 1864) C. hyalina D.R. Smith, 1971 C. labrata MacGillivray, 1909 C. liturata MacGillivray, 1909 C. lobata MacGillivray, 1909 C. lobata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. obsoleta (Norton, 1867) C. petiolata D.R. Smith, 1971 C. quercuscoccineae (Dyar, 1894) Genus Endelomyia Ashmead, 1898 E. aethiops (Gmelin, 1790) § Genus Fenella Westwood, 1839 E nigrita Westwood, 1839 Genus Fenela Leach, 1817 Subgenus Fenusa Leach, 1817 E dohrnii (Tischbein, 1846) § E pumila Leach, 1817 Note: not seen in many urban areas in	CAN					BC - BC - BC BC BC BC BC	- - - - AB - - - - - - - - -	- - - - - - - - -		ON ON ON ON ON ON ON ON ON	QC - QC - QC QC QC	- NB		-		- - NF -		Smith and Moisan-De Serres 2017  Goulet 1987  Goulet 1987; Smith 1979a Raizenne 1957  Smith 1971b Snyder et al. 2007; Digweed and Langor
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017 C. distincta D.R. Smith, 1971 C. fasciata (Norton, 1864) C. hyalina D.R. Smith, 1971 C. labrata MacGillivray, 1909 C. liturata MacGillivray, 1909 C. lobata MacGillivray, 1909 C. lobata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. obsoleta (Norton, 1867) C. petiolata D.R. Smith, 1971 C. quercuscoccineae (Dyar, 1894) Genus Endelomyia Ashmead, 1898 E. aethiops (Gmelin, 1790) § Genus Fenella Westwood, 1839 E nigrita Westwood, 1839 Genus Fenela Leach, 1817 Subgenus Fenusa Leach, 1817 E dohrnii (Tischbein, 1846) § E pumila Leach, 1817 Note: not seen in many urban areas in	CAN					BC - BC - BC BC BC BC BC	- - - - AB - - - - - - - - -	- - - - - - - - -		ON ON ON ON ON ON ON ON ON	QC - QC - QC QC QC	- NB		-		- - NF -		Smith and Moisan-De Serres 2017  Goulet 1987  Goulet 1987; Smith 1979a Raizenne 1957  Smith 1971b Snyder et al. 2007; Digweed and Langor 2004; Digweed 2004; Digweed 2004; Digweed
C. annulipes (Klug, 1816) § C. cerasi (Linnaeus, 1758) § C. dionae Smith & Moisan-De Serres, 2017 C. distincta D.R. Smith, 1971 C. fasciata (Norton, 1864) C. hyalina D.R. Smith, 1971 C. labrata MacGillivray, 1909 C. liturata MacGillivray, 1909 C. lobata MacGillivray, 1909 C. lobata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. lonata MacGillivray, 1909 C. obsoleta (Norton, 1867) C. petiolata D.R. Smith, 1971 C. quercuscoccineae (Dyar, 1894) Genus Endelomyia Ashmead, 1898 E. aethiops (Gmelin, 1790) § Genus Fenella Westwood, 1839 E nigrita Westwood, 1839 Genus Fenusa Leach, 1817 Subgenus Fenusa Leach, 1817 E dobrnii (Tischbein, 1846) § F pumila Leach, 1817 Note: not seen in many urban areas in last 30 years.	CAN	- - - - - - - - - - - - - - - - - - -				BC - BC - BC BC BC BC BC	- - - AB - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -		ON - ON ON ON ON ON ON ON	QC QC - QC QC - QC	- NB - NB - NB - NB NB - NB NB - NB NB NB	- - - - - - - - - - PE	-		- - NF -		Smith and Moisan-De Serres 2017  Goulet 1987  Goulet 1987; Smith 1979a Raizenne 1957  Smith 1971b Snyder et al. 2007; Digweed and Langor 2004; Digweed 2004; Digweed 2004; Digweed

# Genus Fenusella Enslin, 1912

Note: some species limits in Fenusella are unclear. Fenusella wuestneii (Konow) has previously been recorded from the far north of North America (Smith 1979a: QC to AK), but is likely not the same as F. wuestneii in Europe because in Europe this is a more southern species on a southern host. More study is required to determine if far northern Nearctic specimens of Fenusella are F. alaskana, F. septentrionalis (Koch) or F. wuestneii.

						septent	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(x cc	C11) O.									
F. alaskana Kincaid, 1900	CAN	AK	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	Kincaid 1900;
																		Smith 1971b
F. hortulana (Klug, 1818)§	CAN	_	_	_	_	_	_	_	_	_	_	_	_	NS	_	_	_	
F. leucostoma (Rohwer, 1910)	CAN	AK	_	_	_	_	AB	SK	_	_	QC	NB	_	_	_	_	_	Smith 1971b
F. nana (Klug, 1816) §	CAN		_			BC	_					NB	DF	NS		NF	_	Digweed et al.
1. nana (King, 1010)	CILI	_	_	_	_	DC	_			OIV	QC	IVD	1 L	140		1 11		2009
F !:f-!: -!! - (T 1 1902)	CAN						A D		MD	ON		NID						Smith 1979a
F. populifoliella (Townsend, 1893)	CAIN	_	-	_	_	_	AB	-	IVID	ON	-	NB	_	_	_	-	_	Silliul 19/9a
Genus Heterarthrus Stephens, 1835																		
H. nemoratus (Fallén, 1808) §	CAN	AK	-	NT	_	BC	AB	SK	_	ON	QC	NB	_	NS	_	NF	_	AK-Snyder et
																		al. 2007; NT,
																		AB, SK-
																		Digweed et al.
																		2009
H. vagans (Fallén, 1808) §	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
Genus Metallus Forbes, 1885																		
Distribution and biology of Nearctic speci	ac Ficar	nan a	ad Sm	ith (20	117)													
				nui (20	,1/)	DC	4 D		ı m	ONI	00	ATD		NIC		NIE		ATZ Cial.
M. capitalis (Norton, 1867)	CAN	AK	-	_	_	BC	AB	-	MB	ON	QC	IVB	-	N5	-	NF	-	AK-Smith
																		1979a;
																		AB-BIOUG;
																		NB-Smith
																		1971b
M. lanceolatus (Thomson, 1870) §	CAN	_	-	_	_	BC	_	_	_	ON	QC	_	_	NS	_	-	_	Hoebeke and
																		Wheeler 2005
M. rohweri MacGillivray, 1909	CAN	_	_	_	_	_	_	_	_	ON	QC	NB	_	NS	_	_	_	Eiseman and
,																		Smith 2017
Genus Nefusa Ross, 1951																		
N. ambigua (Norton, 1867)	CAN	_	_	_	_	_	AB	_	_	ON	QC	_	_	NS	_	_	_	AB-BIOUG;
The terror (Trotton, 1007)	O. I									011	Q.			110				Goulet 1987
Genus <i>Profenusa</i> MacGillivray, 1914	í																	Gomet 1907
										ONI								
P. alumna (MacGillivray, 1923)	CAN		-	_	_	-	_	-	_	ON		_	-	-	-	_	-	
P. canadensis (Marlatt, 1895)	CAN		-	_	_	-	AB	_	_		QC		-	-	-	-	-	
P. lucifex (Ross, 1936)	CAN	_	-	_	_	_	_	_	_	ON	QC	-	_	-	_	_	_	
P. thomsoni (Konow, 1886) §	CAN	AK	YT	NT	_	BC	AB	SK	MB	ON	QC	NB	_	NS	_	NF	_	AK-Digweed
																		et al. 1997; YT,
																		NIT DC AD
																		IN I, DC, AD,
																		NT, BC, AB, SK, NB, NS;
																		SK, NB, NS;
																		SK, NB, NS; NF-Digweed et
Conus Sodiousuma Vanory 1900																		SK, NB, NS;
Genus Scolioneura Konow, 1890	CAN					n.c.												SK, NB, NS; NF-Digweed et
S. vaccinii D.R. Smith & Eiseman,	CAN	_	_	_	_	ВС	_	_	_	_	_	_	_	_	_	_	_	SK, NB, NS; NF-Digweed et
S. vaccinii D.R. Smith & Eiseman, 2015			_	_	_	ВС	_	-	_	_	_	_	_	_	_	_	-	SK, NB, NS; NF-Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman,	CAN CAN		_	_	_	BC -	–	_	_	- ON	_	_	- PE	_		- NF		SK, NB, NS; NF-Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015			-	-	_	BC -	– AB	- -	_	- ON	_	-	– PE	-	-	- NF	_	SK, NB, NS; NF-Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015			-	-	_	BC -	– AB	_	-	- ON	-	-	– PE	-		- NF	_	SK, NB, NS; NF-Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894§ Genus Setabara Ross, 1951	CAN	-		-		-	– AB					_	- PE			- NF		SK, NB, NS; NF-Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 <sup>§</sup> Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909)		-		- -		BC -			_ _ _ MB		- -	- -	- PE	- -		- NF		SK, NB, NS; NF-Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 <sup>§</sup> Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE	CAN	-	- -	- -	_	-					- -	- -	- PE	- -	_ _	- NF	-	SK, NB, NS; NF-Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 § Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896	CAN	-	- - -	- -	- -	-					- -	- - -	- PE	- - -	- -	- <i>NF</i>	- -	SK, NB, NS; NF-Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 § Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955	CAN	_	- -	- - -	- -	ВС		_	МВ	_	_	_	- PE	 -	- - -	_	- - -	SK, NB, NS; NF-Digweed et al. 2009 Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 § Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896	CAN	_				-		_	МВ		_	_ _ _ NB	- <i>PE</i> -			_		SK, NB, NS; NF-Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 § Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955	CAN		- - - - - - -		- - -	ВС	_	_	МВ	_	_	_ _ _ NB _	_			_	_	SK, NB, NS; NF-Digweed et al. 2009 Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 § Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902	CAN  CAN					BC BC	_	_	МВ	_	_	_ _ _ NB _	_			_	_	SK, NB, NS; NF-Digweed et al. 2009 Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyc Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932)	CAN  CAN	_ 	- - - - - - - - - - - - - - -		-	BC BC BC	- AB	SK -	MB MB	ON	QC	-	_			_	_	SK, NB, NS; NF-Digweed et al. 2009 Digweed et al. 2009
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894§ Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton,	CAN CAN CAN	_ 	-		-	BC BC BC	- AB	SK -	MB MB	_	QC	-	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009  Digweed et al. 2009  Smith 1979a  YT, BC-Smith
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyc Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932)	CAN CAN CAN	_ 	-		-	BC BC BC	- AB	SK -	MB MB	ON	QC	-	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009 Digweed et al. 2009 Smith 1979a YT, BC-Smith 1979a; AB,
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)	CAN CAN CAN CAN		-		-	BC BC BC	- AB	SK -	MB MB	ON	QC	-	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009  Digweed et al. 2009  Smith 1979a  YT, BC-Smith
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937	CAN CAN CAN		-		-	BC BC BC	- AB	SK -	MB MB	ON	QC	-	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009 Digweed et al. 2009 Smith 1979a YT, BC-Smith 1979a; AB,
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonya Marlatt, 1896 Key to Nearctic larva – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912	CAN CAN CAN CAN		-		-	BC BC BC	- AB	SK -	MB MB	ON	QC	-	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009 Digweed et al. 2009 Smith 1979a YT, BC-Smith 1979a; AB,
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912 Revision – Smith 1968	CAN CAN CAN CAN CAN		-		-	BC BC BC	- AB	SK -	MB MB	ON - ON	QC - QC -	- NB -	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009 Digweed et al. 2009 Smith 1979a YT, BC-Smith 1979a; AB,
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonya Marlatt, 1896 Key to Nearctic larva – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912	CAN CAN CAN CAN CAN CAN		-		-	BC BC BC	- AB	SK -	MB MB	ON - ON	QC	- NB -	_	- - - - - - NS		NF –	_	SK, NB, NS; NF-Digweed et al. 2009  Digweed et al. 2009  Smith 1979a  YT, BC-Smith 1979a; AB, NF-Wong 1955
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912 Revision – Smith 1968	CAN CAN CAN CAN CAN		-		-	BC BC BC	- AB	SK -	MB MB	ON - ON	QC - QC -	- NB -	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009 Digweed et al. 2009 Smith 1979a YT, BC-Smith 1979a; AB,
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912 Revision – Smith 1968 C. acericaulis (MacGillivray, 1906)	CAN CAN CAN CAN CAN CAN		-		-	BC BC BC	- AB	SK -	MB MB	ON - ON	QC - QC -	- NB -	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009  Digweed et al. 2009  Smith 1979a  YT, BC-Smith 1979a; AB, NF-Wong 1955
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912 Revision – Smith 1968 C. acericaulis (MacGillivray, 1906) C. matthewsi D.R. Smith, 1968	CAN CAN CAN CAN CAN CAN		-		-	BC BC BC	- AB	SK -	MB MB	ON - ON	QC - QC -	- NB -	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009  Digweed et al. 2009  Smith 1979a  YT, BC-Smith 1979a; AB, NF-Wong 1955
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonye Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912 Revision – Smith 1968 C. acericaulis (MacGillivray, 1906) C. matthewsi D.R. Smith, 1968 Genus Cladius Illiger, 1807 Nearctic revision – Smith 1974b	CAN CAN CAN CAN CAN CAN		-		-	BC BC BC	- AB	SK -	MB MB	ON - ON	QC - QC -	- NB -	_			NF –	_	SK, NB, NS; NF-Digweed et al. 2009  Digweed et al. 2009  Smith 1979a  YT, BC-Smith 1979a; AB, NF-Wong 1955
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonya Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912 Revision – Smith 1968 C. aecricaulis (MacGillivray, 1906) C. matthewsi D.R. Smith, 1968 Genus Cladius Illiger, 1807 Nearctic revision – Smith 1974b Subgenus Cladius Illiger, 1807	CAN CAN CAN CAN CAN CAN CAN		- YT - -		-	BC BC BC	- <b>AB</b> AB	SK	MB - MB	ONON		- NB		NS		NF –	_	SK, NB, NS; NF-Digweed et al. 2009  Digweed et al. 2009  Smith 1979a  YT, BC-Smith 1979a; AB, NF-Wong 1955  Goulet 1987
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonyx Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912 Revision – Smith 1968 C. acericaulis (MacGillivray, 1906) C. mattheusi D.R. Smith, 1968 Genus Cladius Illiger, 1807 Nearctic revision – Smith 1974b Subgenus Cladius Illiger, 1807 C. pectinicornis (Geoffroy, 1785) §	CAN CAN CAN CAN CAN CAN		- YT - -		-	BC BC BC	- <b>AB</b> AB	SK	MB - MB	ON - ON		- NB				NF –	_	SK, NB, NS; NF-Digweed et al. 2009  Digweed et al. 2009  Smith 1979a  YT, BC-Smith 1979a; AB, NF-Wong 1955  Goulet 1987  AK-UAM;
S. vaccinii D.R. Smith & Eiseman, 2015 S. vicina Konow, 1894 Genus Setabara Ross, 1951 S. histrionica (MacGillivray, 1909) SUBFAMILY NEMATINAE Genus Anoplonya Marlatt, 1896 Key to Nearctic larvae – Wong 1955 A. canadensis Harrington, 1902 A. laricivorus (Rohwer & Middleton, 1932) A. luteipes (Cresson, 1880)  A. occidens Ross, 1937 Genus Caulocampus Rohwer, 1912 Revision – Smith 1968 C. aecricaulis (MacGillivray, 1906) C. matthewsi D.R. Smith, 1968 Genus Cladius Illiger, 1807 Nearctic revision – Smith 1974b Subgenus Cladius Illiger, 1807	CAN CAN CAN CAN CAN CAN CAN		- YT - -		-	BC BC BC	- <b>AB</b> AB	SK	MB - MB	ONON		- NB		NS		NF –	_	SK, NB, NS; NF-Digweed et al. 2009  Digweed et al. 2009  Smith 1979a  YT, BC-Smith 1979a; AB, NF-Wong 1955  Goulet 1987

Subgenus Priophorus Dahlbom, 183	5																	
C. betulae (Rohwer, 1922)	CAN	-	-	_	_	_	AB	_	MB	ON	QC	_	_	_	_	NF*	_	Smith 1974b
C. brullei (Dahlbom, 1835) §	CAN	-	-	_	_	BC	AB	_	_	ON	QC	NB	-	_	_	-	-	Smith 1980a
C. compressicornis (Fabricius, 1804) §	CAN	ΑK	ΥT	-	_	BC	AB	-	MB	ON	QC	-	-	NS	-	NF	-	Smith 1974b
C. infuscatus (MacGillivray, 1916)	CAN	_	-	-	-	-	-	-	_	ON	_	-	-	-	-	-	-	
Subgenus Trichiocampus Hartig, 183	<b>3</b> 7																	
C. grandis (Serville, 1823) §	CAN		-	-	-	ВС	-	-	-		QC	-	-	NS	-	NF*	-	Smith 1974b
C. gregarius Dyar, 1895	CAN	-	-	_	-	BC	-	_	_		QC	_	-	_	-	-	-	
C. simplicornis Norton, 1869	CAN	-	-	NT	-	-	-	SK	MB	ON	QC	NB	-	NS	-	-	-	NT-INHS
Genus Craterocercus Rohwer, 1911	0437									011				***				
C. fraternalis (Norton, 1872)	CAN	-	-	_	_	-	-	-	-	ON	_	-	-	NS	-	-	-	
Genus Dineura Dahlbom, 1835	CANI	177				D.C.	A D	CIZ	) (D	ONI	00	NID		NIC				C:-1. 1070
D. militaris (Cresson, 1880) = Hemichroa amelanchieridis (Rohwer, 1920)	CAN	AK	_	-	-	вС	AB	3K	MB	ON	QC	NB	-	NS	_	-	-	Smith 1979a; Goulet 1987
Genus Euura Newman, 1837																		Godiet 1907
Holarctic distributions of former genus An	auronen	ratus –	- Bens	on 196	52: pai	tial k	ev to Ì	Vearc	tic spe	cies of	forme	er gen	us Pa	chvnen	ratus	– Ross	1945	: review of
Eastern US species of former genus Phylloc																		
Tubpontania: - Zinovjev and Viberg 1999;					,			•										
Note: Prous et al. 2014 synonymized many	genera	with I	Euura	and di		ecogr	nize su	bgen	era.									
E. abnormis (Holmgren, 1883)	CAN	AK	-	-	NU	-	-	-	_	-	_	-	-	_	-	-		MacGillivray
= Amauronematus abnormis (Holmgren,																		1919
1883)	CAN								MB									Benson 1960
E. acutiserra (Lindqvist, 1949) = Phyllocolpa acutiserra (Lindquist, 1949)	CALV	_	_	_	_	_	_	_	IVID	_	_	_	_	_	_	_	_	Delison 1700
E. agama (Rohwer, 1912), comb. nov.	CAN	_	_	_	_	_	AB	_	MR	ON	OC	_	_	_	_	_	_	
= Phyllocolpa agama (Rohwer, 1912)										011	Q.							
E. alaskensis (Rohwer, 1911), comb.	CAN	AK	_	NT*	_	ВС	AB	SK	MB	ON	QC	NB	_	_	_	NF	_	AK, NF-
nov.											_							Smith 1979a;
= Pikonema alaskensis (Rohwer, 1911)																		NT-Kusch and
																		Cerezke 1991
E. amentorum (Förster, 1854)	CAN	AK	YT	NT	NU	-	-	-	МВ	ON	QC	-	-	NS	-	-	GL	AK-USNM; Benson 1962
= Amauronematus amentorum (Förster, 1854) E. annulata (Gimmerthal, 1834)	CAN	ΛV	VT	NIT					MB			NB						Smith 1979a
= Pachynematus annulatus	CAIN	ΛIX	11	111	_	_	_	_	IVID	_	_	ND	_	_	_	_	_	Silliul 17/7a
(Gimmerthal, 1834)																		
E. anolita (Ross, 1951), comb. nov.	CAN	_	_	_	_	_	AB	_	_	_	_	_	_	_	_	_	_	
= Pachynematus anolita Ross, 1951																		
E. arctophilae (Benson, 1960), comb.	CAN	_	_	-	_	-	-	-	MB	_	_	_	-	_	_	-	-	
nov.																		
= Tubpontania arctophilae (Benson, 1960)																		
E. atra (Jurine, 1807) §	CAN	AK	-	_	_	-	AB	-	-	ON	QC	NB	PE	_	-	-	-	AK-USNM; Smith 1979a
E. atrata (MacGillivray, 1919)	CAN	_	ΥT										_					Siliul 19/9a
= Pontania atrata MacGillivray, 1919	CILIV		11	_					_	_	_	_		_		_		
E. atriceps (Marlatt, 1896), comb. nov.	CAN	AK	_	_	_	ВС	AB	_	MB	_	_	_	_	_	_	_	_	Poinar and
= Nematus atriceps (Marlatt, 1896)																		Smith 2003
E. attus (D.R. Smith, 1979), comb.	CAN	_	_	-	_	-	-	-	_	_	QC	_	-	_	_	-	-	Smith 1979a
nov.																		
= Nematus attus D.R. Smith, 1979																		D/-
E. aurantiaca (Marlatt, 1896), comb.	CAN	-	-	_	_	BC	AB	-	MB	ON	QC	-	-	_	-	-	-	Ross 1945
nov. = Pachynematus aurantiacus Marlatt, 1896																		
E. beckettae (Benson, 1960), comb.	CAN	_	_	_	_	_	_	_	MB	_	_	_	_	_	_	_	_	
nov.																		
= Pontania beckettae Benson, 1960																		
E. borealis (Marlatt, 1892), comb. nov.	_	-	-	_	_	-	-	-	_	_	_	-	-	_	_	-	GL	Fox 1892
= Amauronematus borealis (Marlatt, 1892)	_																	
E. bozemani (Cooley, 1903), comb.	CAN	-	-	-	-	-	AB	SK	MB	ON	_	-	-	_	-	-	-	Smith 1979a;
nov.																		MB-INHS
= Phyllocolpa bozemani (Cooley, 1903)	CAN							CV.	МВ									Smith 1979a
E. brunnea (Norton, 1864) = Amauronematus brunneus (Norton, 1864)	CAIN	_	_	_	_	_	_	JΛ	IAID	_	_	_	_	_	_	_	_	Ommun 1)/ Ja
E. calais (W.F. Kirby, 1882), comb.	CAN	AK	_	_	_	_	AB	_	_	ON	QC	NB	_	_	_	_	_	AK-USNM
nov.	1										~							
= Nematus calais W.F. Kirby, 1882																		

E. chalcea (Marlatt, 1896), comb. nov.	CAN	AK	_	-	_	ВС	_	_	_	_	_	_	_	_	_	_	_	Smith 1979a
= Nematus chalceus (Marlatt, 1896) E. clibrichella (Cameron, 1878)	CAN	AK	YT	NT	NU	_	_	SK	МВ	-	QC	_	_	-	-	-	_	
= Pachynematus clibrichellus (Cameron, 1878) E. clitellata (Serville, 1823) = Pachynematus clitellatus (Serville, 1823)	CAN	AK	_	-	NU	-	AB	_	МВ	ON	QC	_	_	-	LB	_	_	Smith 1979a
E. clypeata (Marlatt, 1896), comb.	CAN	-	-	-	-	-	AB	-	МВ	-	-	-	-	-	-	-	-	Smith 1979a
= Pachynematus chypeatus Marlatt, 1896 E. coloradensis (Marlatt, 1896), comb. nov.	CAN	-	-	-	-	_	AB	-	-	-	_	-	-	_	-	-	-	Smith 1979a
= Nematus coloradensis (Marlatt, 1896) E. completa (MacGillivray, 1919), comb. nov. = Amauronematus completus	-	AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
= Amauronematus compietus MacGillivray, 1919																		
E. cooki (Marlatt, 1896), comb. nov. = Amauronematus cooki Marlatt, 1896	CAN	-	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	
E. corniger (Norton, 1861), comb.	CAN	AK	_	_	_	BC	AB	SK	MB	ON	QC	NB	PE	NS	LB	NF	_	AK-INHS,
nov. = Pachynematus corniger (Norton, 1861)																		Smith 1979a
E. cosensii Rohwer, 1915	CAN	-	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	Rohwer 1915
E. crassicornis (Rohwer, 1912), comb. nov. = Phyllocolpa crassicornis Rohwer, 1912	CAN	-	_	-	-	-	-	_	_	ON	-	-	-	-	_	-	-	Zinovjev and Smith 1999
E. crassipes (Thomson, 1871)  = Pontania crassipes (Thomson, 1871)	CAN	AK	YT	NT	-	-	-	-	MB	-	-	-	-	-	-	-	-	Smith 1979a
E. currani (Ross, 1951), comb. nov. = Nematus currani Ross, 1951	CAN	AK	-	-	-	ВС	-	-	-	-	-	-	-	-	-	-	-	AK-USNM; Curran 1926
E. dahlbomi (Thomson, 1871), comb.	CAN	_	YT	_	_	_	_	_	MB	-	_	_	_	_	_	_	_	
nov. = Amauronematus dahlbomi (Thomson, 1871)																		
E. delicatula (MacGillivray, 1919)  = Pontania arctica (MacGillivray, 1919)	CAN	AK	ΥT	-	NU	-	-	-	MB	-	-	-	-	-	-	-	-	AK, NU- MacGillivray 1919; MB-
E. digesta (MacGillivray, 1919), comb.	_	AK	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Benson 1960
nov.																		
= Amauronematus digestus MacGillivray, 1919 E. dimmockii (Cresson, 1880) = Pikonema dimmockii (Cresson, 1880)	CAN	-	-	NT*	-	ВС	AB	-	MB	ON	QC	NB	-	NS	-	NF	-	Smith 1979a
E. dolichura (Thomson, 1871)  = Pontania dolichura (Thomson, 1871)	CAN	-	-	-	-	-	-	-	MB	-	-	-	-	-	-	-	-	Benson 1960
E. dulichus (Wong, 1968), comb. nov. = Amauronematus dulichus (Wong, 1968)	CAN	AK	-	NT	-	-	-	-	-	-	-	-	-	-	-	-	-	
E. effrenata (MacGillivray, 1923), comb. nov.	-	AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MacGillivray 1923a
= Nematus effrenatus (MacGillivray, 1923) E. egnatia (MacGillivray, 1919), comb. nov.	CAN	-	-	-	-	-	AB	-	-	-	-	-	-	-	-	-	-	MacGillivray 1923b
= Amauronematus egnatia (MacGillivray, 1923)	CAN	477							1.00									6 :1 1070
E. errata (MacGillivray, 1923), comb. nov. = Nematus erratus (MacGillivray, 1923)	CAN	AK	_	_	_	-	-	_	MB	_	_	-	_	_	_	_	_	Smith 1979a
E. excavata (Marlatt, 1896), comb.	CAN	AK	-	NT	-	-	-	-	МВ	-	-	-	-	-	-	-	-	Smith 1979a
= <i>Phyllocolpa excavata</i> (Marlatt, 1896) <i>E. excessa</i> (MacGillivray, 1923), <b>comb.</b> <b>nov.</b>	-	AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MacGillivray 1923a
= Phyllocolpa excavata (Marlatt, 1896) E. excessa (MacGillivray, 1923), comb. nov. = Nematus excessus (MacGillivray, 1923) E. excisa (Thomson, 1863)	-	AK -	_	_	-	_	_	_	_	_	-	_	_	_	-	_	- GL	
= Phyllocolpa excavata (Marlatt, 1896) E. excessa (MacGillivray, 1923), comb. nov. = Nematus excessus (MacGillivray, 1923)	- - CAN	-	-	_	-	- - RC	_ _ _	- - cv	_	- - ON	-	_ _ NID	_	_	_	_	- GL	

E : 0.6 1 1000 1	CANT									ON	00			NIC				
E. gregaria (Marlatt, 1896), comb. nov.	CAN	-	-	_	_	-	-	-	-	ON	QC	-	-	NS	_	-	-	
= Pachynematus gregarius Marlatt, 1896 E. groenlandica (Malaise, 1933)	CAN	AK	-	NT	NU	-	-	_	-	-	-	-	_	-	-	-	GL	Benson 1962
= Amauronematus groenlandicus Malaise, 1933																		
E. hebes (Konow, 1907)	CAN	-	YT	NT	NU	-	-	-	-	-	-	-	-	-	-	-	-	
= Amauronematus hebes Konow, 1907 E. helleni (Lindqvist, 1941) = Amauronematus helleni Lindqvist, 1941	CAN	-	-	NT	NU	ВС	-	-	МВ	-	QC	_	-	-	-	_	-	Benson 1962
E. histrio (Serville, 1823) = Amauronematus histrio (Serville, 1823)	CAN	AK	-	-	-	-	-	-	MB	ON	-	-	-	-	-	-	-	AK-Smith 1979a; MB, ON-Benson 1962
E. hoppingi Ross, 1937 = Pontania hoppingi (Ross, 1937)	CAN	-	-	-	-	ВС	-	-	-	-	-	-	-	-	-	-	-	Smith 1979a
E. hudsoniimagnus (Dyar, 1895), comb. nov.	CAN	AK	-	-	-	ВС	-	-	MB	ON	-	NB	-	-	-	-	-	Smith 1979a
= Nematus hudsoniimagnus Dyar, 1895																		
E. hulteni (Malaise, 1931) = Amauronematus hulteni Malaise, 1931	CAN	_	ΥT	NT	NU	_	_	_	MB	-	-	_	_	-	_	_	-	Benson 1962
E. indicata (MacGillivray, 1919), comb. nov. = Amauronematus indicatus	-	AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MacGillivray, 1919																		
E. iridescens (Cresson, 1880), comb.	CAN	-	-	-	-	ВС	-	-	-	-	-	-	-	-	-	-	-	Smith 1979a
<ul> <li>Nematus iridescens Cresson, 1880</li> <li>E. isolata (Kincaid, 1900), comb. nov.</li> <li>Amauronematus isolatus Kincaid, 1900</li> </ul>	CAN	AK	-	-	NU	-	-	-	-	-	-	-	-	-	LB	-	-	Kincaid 1900; MacGillivray
E. itelmena (Malaise, 1931)	CAN	-	-	NT*	-	-	-	-	МВ	-	-	-	-	-	-	-	-	1919 Smith 1979a; Benson 1962
= Amauronematus itelmena (Malaise, 1931)  E. jugicola (Thomson, 1871)	CAN	-	-	-	-	_	-	-	МВ	-	-	-	-	-	-	-	-	Smith 1979a
= Nematus jugicola Thomson, 1871 E. kukakiana (Kincaid, 1900), comb.	_	AK	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Kincaid 1900
nov. = Pontania kukakiana Kincaid, 1900																		
E. lanatae Malaise, 1921	CAN	_	_	_	_	_	AB	_	MB	_	_	_	_	_	_	_	_	Smith 1979a
E. leavitti (Rohwer, 1910), comb. nov. = Phyllocolpa leavitti (Rohwer, 1910)	CAN	-	-	-	-	-	-	-	-	-	QC	NB	-	-	-	-	-	Smith and Fritz 1996
E. leptocephalus (Thomson, 1863),	CAN	_	_	_	_	_	_	_	MB	_	_	_	_	_	_	_	_	1,7,0
comb. nov.																		
= Nematus leptocephalus Thomson, 1863 E. leucapsis (Tischbein, 1846) = Phyllocolpa leucapsis (Tischbein, 1846)	CAN	-	-	-	-	-	AB	-	-	-	-	-	-	-	-	-	-	Smith 1979a
E. leucolena (Brischke, 1883)	CAN	AK	ΥT	NT	-	-	AB	SK	MB	ON	-	-	-	-	-	-	-	Benson 1962
E. limbata (Cresson, 1880), comb.	CAN	_	_	_	_	_	_	SK	_	ON	QC	NB	_	_	_	_	_	Smith 1979a
nov. = Nematus limbatus Cresson, 1880 E. lineata (Harrington, 1893), comb.	CAN	AK	_	_	_	_	_	_	_	ON	QC	_	_	_	_	_	_	AK-USNM
nov. = Amauronematus lineatus (Harrington,																		
1893) E. Jongicanda (Hellén, 1948)	CAN					BC.			MB									
= Amauronematus longicauda (Hellén, 1948)			_	_	_	_	_	_	_		_	_	_	_	_	_	_	Rohwer 1912
= Pontania lucidae Rohwer, 1912				A I'T'	ATTT	DC.					00	NID						
E. magus (Marlatt, 1896), comb. nov. = Nematus magus (Marlatt, 1896)	CAIN	_	_	1V I	IVU	DС	_	_	_	ON	ŲĊ	IND	_	_	_	_	_	2004; NU- MacGillivray
E. mariana (Ross, 1929), comb. nov.	CAN	_	-	_	-	ВС	_	_	-	ON	-	-	_	-	_	-	_	
= Phyllocolpa mariana (Ross, 1929) E. marlatti (Dyar, 1895), comb. nov. = Nematus marlatti Dyar, 1895	CAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NF	-	
= Amauronematus leucolenus (Brischke, 1883) E. limbata (Cresson, 1880), comb. nov. = Nematus limbatus Cresson, 1880 E. lineata (Harrington, 1893), comb. nov. = Amauronematus lineatus (Harrington, 1893) E. longicauda (Hellén, 1948) = Amauronematus longicauda (Hellén, 1948) E. lucidae (Rohwer, 1912), comb. nov. = Pontania lucidae Rohwer, 1912 E. magus (Marlatt, 1896), comb. nov. = Nematus magus (Marlatt, 1896)  E. mariana (Ross, 1929), comb. nov. = Phyllocolpa mariana (Ross, 1929) E. marlatti (Dyar, 1895), comb. nov.	CAN CAN CAN CAN CAN	- <b>AK</b>	YT	_	- - - NU		- - - -	SK	_ _ MB _	ON ON ON ON ON		- - -	- - - - -		- - - - -	- - - - - NF	- - - - -	Smith 1979: AK-USNM Rohwer 191 NT, BC-Sm 2004; NU-

E. microphyes (Förster, 1854)	CAN	-	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	Benson 1962
= Amauronematus microphyes (Förster, 1854) E. moerens (Förster, 1854), comb. nov.	CAN	AK	_	_	_	_	AB	_	_	_	_	_	_	_	_	_	_	Smith 1979a
= Pachynematus moerens (Förster, 1854) E. montivaga (Marlatt, 1896)		AK																AK-USNM
= Pachynematus montivagus (Marlatt, 1896)							_						_	_		_	_	
E. mucronata (Hartig, 1837) = E. gallae (Newman, 1837) (see Liston and	CAN	AK	-	-	-	-	-	-	MB	-	-	NB	-	-	-	-	-	Benson 1962
Prous 2014)																		
E. myrtillifoliae (Benson, 1960), comb. nov.	CAN	-	-	-	-	-	-	-	MB	-	-	-	-	-	-	-	-	
= Pontania myrtillifoliae Benson, 1960																		
E. neglecta (W.F. Kirby, 1882)	CAN	_	YT	NT	-	ВС	_	-	MB	ON	QC	-	_	-	-	_	-	
= Amauronematus neglectus (Kirby, 1882)																		
E. nigra Norton, 1867	CAN	-	-	-	-	-	-	-	-	-	_	-	-	-	LB	-	-	Norton 1867
E. nigrella Rohwer, 1912	CAN	-	-	-	-	_	-	-	_	ON	_	_	-	-	_	-	-	Rohwer 1912
E. nigrita (Marlatt, 1896), comb. nov. = Phyllocolpa nigrita (Marlatt, 1896)	CAN	-	-	-	-	-	-	-	-	-	QC	-	-	-	-	-	-	
E. nigriventris (Holmgren, 1883)	-	AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
= Nematus nigriventris Holmgren, 1883 E. nitidipleuris (Malaise, 1931)	CAN	_	YT	_	_	BC	_	_	MB	_	_	_	_	_	_	_	GL	Benson 1962
= Amauronematus nitidipleuris Malaise, 1931																		
E. obducta (Hartig, 1837)	CAN	-	-	-	-	BC	-	-	_	-	QC	_	-	-	-	-	GL	Smith 1979a;
= Pachynematus obductus (Hartig, 1837)																		Vilhelmsen
F / : (III 1002)	CAN	ATZ		BUT	ATT													2015
E. obscuripes (Holmgren, 1883)	CAN	AK	-	NT	NU	_	-	-	_	-	_	_	-	-	_	-	-	
= Amauronematus obscuripes (Holmgren,																		
1883) E. oligospila (Förster, 1854)	CAN	ΔV	VT	NT		BC.	ΔR	CK.	MB	ON	00	NIR						AK-Smith
0 1	CAIN	7111	11	141	_	ьс	ZID	JIX	WID	OIV	QC	МЪ	_	_	_	_	_	1979a;
= Nematus oligospilus Förster, 1854																		NT-INHS; AB-
																		MacGillivray
																		1923b
E. ora (Kincaid, 1900)	_	AK	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Kincaid 1900
= Pontania ora Kincaid, 1900																		
E. orbitalis Norton, 1862	CAN	_	_	-	_	_	_	_	-	ON	_	_	_	_	-	_	_	
E. orbitalis Norton, 1862 E. oregonensis (Marlatt, 1896), comb.	CAN -	– AK	_	_	_	_	_	_	_	ON -	_	_	_	_	_	- -	_	USNM
	CAN -	- AK	-	-	-	-	-	_	_	ON -	-	-	_	-	_	_	-	USNM
E. oregonensis (Marlatt, 1896), comb.	-	- AK	_	-	_	_	_	-	-	ON -	_	-	_	-	-	_	_	
E. oregonensis (Marlatt, 1896), comb. nov. = Amauronematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910)	- CAN	_	_		_	_		_	_	ON - -	_	_ _ NB	_		_			Rohwer 1910
E. oregonensis (Marlatt, 1896), comb. nov. = Amauronematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863),	-	_			_ _ _ _ NU					ON - - -		_ _ NB _				_ _ _ _	_ _ _ _ _ GL	
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauronematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.	- CAN	_	_ _ _ _		- - NU	- - -	- - -		-	ON _ _ _		- - NB -	- - -		- - -	_ _ _ _	- - - GL	Rohwer 1910
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauronematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachynematus parvilabris (Thomson, 1863)	- CAN CAN	- -			- - NU		- - -			ON - - -		- - NB -		_ _ _ _		_ _ _ _	- - GL	Rohwer 1910 Smith 1979a
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauronematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachymematus parvilabris (Thomson, 1863) E. peninsularis (Kincaid, 1900), comb.	- CAN	_		- - -	- - NU					ON - - -						_ _ _ _	- - GL	Rohwer 1910
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauronematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachynematus parvilabris (Thomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.	- CAN CAN	- -			- - NU -					ON - - -		- NB -					- - GL	Rohwer 1910 Smith 1979a
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E. oregonensis (Marlatt, 1896), comb. nov.  = Amauronematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachynematus parvilabris (Ihomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929), comb. nov.	- CAN CAN	- -			- NU -					ON		- NB - -					- GL -	Rohwer 1910 Smith 1979a
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E. oregonensis (Marlatt, 1896), comb. nov.  = Amauromematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachynematus parvilabris (Thomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929), comb. nov.  = Pinyllocolpa pepii (Ross, 1929) E. petiolaridis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis Rohwer, 1917 E. pinguidorsum (Dyar, 1895), comb. nov.  = Nomatus pinguidorsum Dyar, 1895 E. placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867) E. pleurica (Norton, 1867), comb.	CAN CAN CAN CAN CAN	- - AK - -	- - - - -		- - NU - - -	- - - BC - -		-	- - - - - MB	- - - - ON	- - - - QC	- - NB - - - -	- - - - - - PE		- - - - - - LB	- - - - -	- - GL - - -	Rohwer 1910 Smith 1979a Kincaid 1900 Rohwer 1917 Wong 1954
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauromematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachynematus parvilabris (Thomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929), comb. nov.  = Pontania peninsularis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis (Rohwer, 1917) comb. nov.  = Pontania petiolaridis Rohwer, 1917 E. pinguidorsum (Dyar, 1895), comb. nov.  = Nematus pinguidorsum Dyar, 1895 E. placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867)	CAN CAN CAN CAN CAN	- - AK - -		-	- - NU - - -	- - - BC - -		-		- - - - ON	- - - - QC	NB	- - - - - PE		- - - - - - LB	- - - -	- - GL - -	Rohwer 1910 Smith 1979a Kincaid 1900 Rohwer 1917 Wong 1954 Norton 1867
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauromematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachynematus parvilabris (Thomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929), comb. nov.  = Phyllocolpa pepii (Ross, 1929) E. petiolaridis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis Rohwer, 1917 E. pinguidorsum (Dyar, 1895), comb. nov.  = Nematus pinguidorsum Dyar, 1895 E. placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867), comb. nov.  = Pachynematus pleuricus (Norton, 1867)	CAN CAN CAN CAN CAN CAN CAN			-	- - NU - - -	- - - BC - -		- SK	-	- - - - ON ON	-	- - - -	- - - - - PE		- - - - - - LB		- - - - - -	Rohwer 1910 Smith 1979a Kincaid 1900 Rohwer 1917 Wong 1954 Norton 1867 AK-USNM
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauromematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachynematus parvilabris (Ihomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929), comb. nov.  = Phyllocolpa pepii (Ross, 1929) E. petiolaridis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis Rohwer, 1917 E. pinguidorsum (Dyar, 1895), comb. nov.  = Nematus pinguidorsum Dyar, 1895 E. placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867), comb. nov.  = Pachynematus pleuricus (Norton, 1867) E. pleurica (Norton, 1867), comb. nov.	CAN CAN CAN CAN CAN		- - - - -		- - NU - - -	- - - BC - -	- - - - - - - - - - - -	- SK		- - - - ON ON	-	- - - -		- - - - -	- - - - - - LB		- - - - - - -	Rohwer 1910 Smith 1979a Kincaid 1900 Rohwer 1917 Wong 1954 Norton 1867
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauronematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachynematus parvilabris (Ihomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929) E. petiolaridis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis Rohwer, 1917 E. pinguidorsum (Dyar, 1895), comb. nov.  = Nematus pinguidorsum Dyar, 1895 E. placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867) E. pleurica (Norton, 1867), comb. nov.  = Pachymematus pleuricus (Norton, 1867) E. plecilonota (Zaddach, 1876)  = Nematus poecilonotus Zaddach, 1876	CAN CAN CAN CAN CAN CAN CAN	AK AK AK		-	- - NU - - -	-	-	- SK	-	- - - - ON ON	-	- - - -			- - - - - - LB		- - - - - - -	Rohwer 1910 Smith 1979a Kincaid 1900 Rohwer 1917 Wong 1954 Norton 1867 AK-USNM
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauromematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachymematus parvilabris (Thomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. petiolaridis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis Rohwer, 1917 E. pinguidorsum (Dyar, 1895), comb. nov.  = Pontania pinguidorsum Dyar, 1895 E. placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867) E. pleurica (Norton, 1867), comb. nov.  = Pachymematus pleuricus (Norton, 1867) E. pleurica (Norton, 1867) E. poecilonota (Zaddach, 1876)  = Nematus poecilonotus Zaddach, 1876 E. polaris (Holmgren, 1883)	CAN CAN CAN CAN CAN CAN CAN	AK AK AK		- - - - - - - NT	- - NU - - - -	- - - BC - - -		- SK	-	- - - - ON ON	-	- - - -	- - - - - <b>PE</b>	- - - - - -	- - - - - - - - - -		- - - - - - - -	Rohwer 1910 Smith 1979a Kincaid 1900 Rohwer 1917 Wong 1954 Norton 1867 AK-USNM
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauromematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachynematus parvilabris (Thomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929), comb. nov.  = Pinyllocolpa pepii (Ross, 1929) E. petiolaridis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis Rohwer, 1917 E. pinguidorsum (Dyar, 1895), comb. nov.  = Nematus pinguidorsum Dyar, 1895 E. placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867) E. pleurica (Norton, 1867) E. pleurica (Norton, 1867) E. poecilonota (Zaddach, 1876) E. Ponaris (Holmgren, 1883)  = Nematus polaris (Holmgren, 1883)	CAN CAN CAN CAN CAN CAN CAN CAN			- - - - - - - NT	- - NU - - - -	-	-	- SK	_ _ MB _	- - - ON ON - - ON	- QC -	- - - - -	- - - - - <b>PE</b>		- - - - - LB		- GL	Rohwer 1910 Smith 1979a Kincaid 1900 Rohwer 1917 Wong 1954 Norton 1867 AK-USNM
E. oregonensis (Marlatt, 1896), comb. nov.  = Amauromematus oregonensis Marlatt, 1896 E. pallistigmus (Rohwer, 1910) E. parvilabris (Thomson, 1863), comb. nov.  = Pachymematus parvilabris (Thomson, 1863) E. peninsularis (Kincaid, 1900), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. pepii (Ross, 1929), comb. nov.  = Pontania peninsularis Kincaid, 1900 E. petiolaridis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis (Rohwer, 1917), comb. nov.  = Pontania petiolaridis Rohwer, 1917 E. pinguidorsum (Dyar, 1895), comb. nov.  = Pontania pinguidorsum Dyar, 1895 E. placenta (Norton, 1867), comb. nov.  = Pontania placenta (Norton, 1867) E. pleurica (Norton, 1867), comb. nov.  = Pachymematus pleuricus (Norton, 1867) E. pleurica (Norton, 1867) E. poecilonota (Zaddach, 1876)  = Nematus poecilonotus Zaddach, 1876 E. polaris (Holmgren, 1883)	CAN CAN CAN CAN CAN CAN CAN			- - - - - - NT	- - NU - - - - -	-	-	- SK	-	- - - ON ON - - ON	- QC -	- - - - -	- - - - - <b>PE</b>	- - - - - -			- GL	Rohwer 1910 Smith 1979a Kincaid 1900 Rohwer 1917 Wong 1954 Norton 1867 AK-USNM

E. populi (Marlatt, 1896), comb. nov.	CAN	-	-	-	-	-	-	-	-	ON	-	NB	-	-	-	-	-	
= Tubpontania populi (Marlatt, 1896) E. pravus (Konow, 1895)	CAN	AK	_	_	_	_	_	_	МВ	_	_	_	_	_	_	_	_	
= Nematus pravus (Konow, 1895)	Cant	7111							IVID									
E. proxima (Serville, 1823)	CAN	_	_	_	-	BC	_	_	-	ON	QC	NB	_	-	-	-	_	
= Pontania proxima (Serville, 1823)																		
E. pumila (Rohwer, 1910), comb. nov.	CAN	-	-	-	-	-	-	-	-	-	-	NB	-	-	-	-	-	Rohwer 1910
= Tubpontania pumila (Rohwer, 1910) E. quadrifasciata (MacGillivray, 1919),	CAN	_	_	NT	_	_	_	_	_	_	_	_	_	_	_	_	_	
comb. nov.	CIL 1			111														
= Amauronematus quadrifasciatus																		
(MacGillivray, 1919)	CANI	A T.	12T	NIT	N TT T	DC.			M		00				r D			D 10/2
E. reticulata (Holmgren, 1883) = Nematus reticulatus Holmgren, 1883	CAN	AK	ΥI	IN I	IVU	вС	-	-	MB	-	QC	_	-	-	LB	-	_	Benson 1962
E. ribesii (Scopoli, 1763) §	CAN	AK	_	_	_	ВС	_	SK	MB	ON	OC	NB	_	NS	_	_	_	AK-USNM
= Nematus ribesii (Scopoli, 1763)											_							
E. robusta (Marlatt, 1896), comb. nov.	CAN	-	-	-	-	-	-	-	-	ON	QC	-	-	-	-	-	-	
= Phyllocolpa robusta (Marlatt, 1896)	CIN									ON	00							7: : 1
E. rotundidentata (Zinovjev & Vikberg, 1999), comb. nov.	CAN	-	-	-	-	-	-	-	-	ON	QC	-	-	-	-	-	-	Zinovjev and Vikberg 1999
= Tubpontania rotundidentata (Zinovjev &																		· maserg 1999
Vikberg, 1999)																		
E. ruralis (Cresson, 1880), comb. nov.	CAN	-	-	-	-	BC	AB	-	-	-	-	-	-	-	-	-	-	
= Pikonema rurale (Cresson, 1880)	CAN	A T.Z	ver	<b>&gt;</b> 17T	<b>.</b>	D.C.	470	CTZ	ı m	ON								D 10/2
E. sagmarius (Konow, 1895) = Amauronematus sagmarius Konow, 1895	CAN	AK	ΥI	ΝI	NU	BC	AB	SK	MB	OIV	-	-	_	-	-	-	-	Benson 1962
E. salicisdesmodioides (Walsh, 1866),	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
comb. nov.																		
= Pontania salicisdesmodioides (Walsh, 1866)																		
E. salicisnodus Walsh, 1866	CAN		-	-	-	-	-	-		ON	-	-	-	-	-	-	-	AIZ ON
E. salicisodoratus (Dyar, 1894), comb. nov.	CAN	AK	-	_	-	_	-	_	MB	ON	QC	NB	_	-	-	-	-	AK, ON- USNM
= Nematus salicisodoratus Dyar, 1894																		0011111
E. salicispisum (Walsh, 1866), comb.	CAN	_	_	_	-	_	_	_	-	ON	QC	_	_	-	-	-	_	
nov.																		
= Pontania salicispisum (Walsh, 1866)	CAN									ON								
E. salicispomum (Walsh, 1866), comb. nov.	CAIN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
= Pontania salicispomum (Walsh, 1866)																		
E. semilactea (Zaddach, 1883)	CAN	-	YT	-	-	ВС	-	SK	-	-	-	-	-	-	-	-	-	
= Amauronematus semilacteus (Zaddach,																		
1883) E. serissimae Rohwer, 1912	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	Rohwer 1912
E. setator (Ross, 1945), comb. nov.	CAN		_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
= Pachynematus setator Ross, 1945																		
E. smithae (Ross, 1945)	CAN	-	-	-	NU	-	-	-	-	-	-	-	-	-	-	-	-	
= Pachynematus smithae Ross, 1945	CON										00							M: D
E. spiraeae (Zaddach, 1883)§ = Nematus spiraeae Zaddach, 1883	CAN	-	-	-	-	-	-	-	-	-	QC	-	-	-	-	-	-	Moisan-De Serres and
- Ivernaus spinieue Laddacii, 1003																		Smith 2017
E. sporax (Ross, 1945), comb. nov.	CAN	AK	-	-	-	-	_	SK	-	-	_	-	_	-	-	-	_	AK-USNM;
= Pachynematus sporax Ross, 1945																		Ross 1945
E. stenogaster (Förster, 1854)	CAN	AK	YT	-	NU	BC	AB	-	MB	ON	-	-	-	NS	-	-	-	Benson 1962
= Amauronematus stenogaster (Förster, 1854) = Amauronematus fallax auct.																		
E. stipata (MacGillivray, 1921), comb.	_	AK	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	MacGillivray
nov.																		1921
= Phyllocolpa stipata (MacGillivray, 1921)	0437	477																M. Calls
E. stordalensis (Strand, 1905), comb. nov.	CAN	AK	ΥT	-	NU	BC	-	-	-	-	-	-	-	-	-	-	-	MacGillivray 1919
= Amauronematus stordalensis (Strand, 1905)																		./1/
E. subatrata (MacGillivray, 1921),	_	AK	_	-	-	_	_	_	-	_	_	-	-	_	-	_	_	MacGillivray
comb. nov.																		1921
= Pontania subatrata MacGillivray, 1921		177																MC:11:
E. sublorata (MacGillivray, 1921), comb. nov.	-	AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MacGillivray 1921
= Pontania sublorata MacGillivray, 1921																		-74.
,,																		

E. subpallida (MacGillivray, 1919),	CAN	-	-	-	NU	-	-	-	-	_	_	-	-	-	_	-	-	
comb. nov.																		
= Nematus subpallidus (MacGillivray, 1919)																		1.6 0.00
E. sueta (MacGillivray, 1921), comb.	-	AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MacGillivray
nov.																		1921
= Pontania sueta MacGillivray, 1921	CAN										00							Smith 1975b
E. superba (Provancher, 1885), comb. nov.	CAN	-	_	_	_	_	_	-	_	_	QC	_	-	_	_	_	_	Smith 19/36
= Nematus superbus (Provancher, 1885) E. tibialis (Newman, 1837)	CAN									ON								
= Nematus tibialis Newman, 1837	CAIN	_	_	_	_	_	_	_	_	OIN	_	_	_	_	_	_	_	
E. tillbergi (Malaise, 1921)	CAN	AK			NILI	ВС												
= Amauronematus tillbergi Malaise, 1921	CILIV	7111		_	110	ьс	_		_	_	_		_		_	_		
E. trifasciata (MacGillivray, 1919),	CAN				NU													
comb. nov.	CILIV				110													
= Amauronematus trifasciatus																		
(MacGillivray, 1919)																		
E. tundra (Kincaid, 1900), comb. nov.	CAN	AK	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Smith 1979a
= Phyllocolpa tundra (Kincaid, 1900)																		
E. uvator (Ross, 1945), comb. nov.	CAN	_	_	_	_	BC	_	SK	_	_	_	_	_	_	_	_	_	Ross 1945;
= Pachynematus uvator Ross, 1945																		INHS
E. vaga (Fabricius, 1781)	CAN	_	_	_	_	_	AB	_	MB	ON	_	_	_	_	_	_	_	Smith 1979a
= Pachynematus vagus (Fabricius, 1781)																		
E. vancouverensis (Marlatt, 1896),	CAN	AK	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	Smith 1979a;
comb. nov.																		Marlatt 1896
= Nematus vancouverensis (Marlatt, 1896)																		
E. variator (Ruthe, 1859)	CAN	AK	YT	NT	NU	BC	_	_	MB	_	_	_	_	_	LB	_	_	
= Amauronematus variator (Ruthe, 1859)																		
E. ventosa (MacGillivray, 1923),	_	AK	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	MacGillivray
comb. nov.																		1923a
= Amauronematus ventosus																		
MacGillivray, 1923																		
E. ventralis (Say, 1824)	CAN	_	_	_	_	BC	AB	SK	MB	ON	QC	-	_	-	_	_	-	Smith 1979a
= Nematus ventralis Say, 1824																		
E. vicina (Serville, 1823)	CAN	_	_	NT	-	-	-	_	-	-	-	-	-	-	-	-	_	Benson 1962
= Nematus vicinus Serville, 1823																		
= Nematus crassus (Fallén, 1808)																		
E. viduata (Zetterstedt, 1838)	CAN	-	-	-	-	-	_	SK	-	ON	-	-	-	-	-	-	-	
= Amauronematus viduatus (Zetterstedt,																		
1838)	000				3.77.1													6 11 2000
E. villosa (Thomson, 1863)	CAN	-	-	-	NU	-	-	-	-	-	-	-	-	-	-	-	-	Smith 2008
= Nematus villosus Thomson, 1863		4.77																D 1 1020
E. whitneyi (Rohwer, 1920), comb.	_	AK	_	-	-	_	_	-	_	_	_	-	_	-	_	_	-	Rohwer 1920
nov.																		
= Amauronematus whitneyi Rohwer, 1920		AK																Marlatt 1896
E. wrangeli (Marlatt, 1896), comb.	_	AK	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Mariatt 1890
= Nematus wrangeli (Marlatt, 1896)																		
E. xantha (Rohwer, 1909), comb. nov.	CAN	_		NT				SK			QC							
= Amauronematus xanthus Rohwer, 1909	CILI	_	_	111	_	_	_	JIL	_	_	QC	_	_	_	_	_		
E. zebratus (Kincaid, 1900), comb.		AK																Kincaid 1900
nov.		7111																Tuncaia 1900
= Nematus zebratus (Kincaid, 1900)																		
Genus Fallocampus Wong, 1977																		
Key to Nearctic species (as <i>Platycampus</i> ) – S	Smith 19	76b																
F. albostigmus (Rohwer, 1908)			_	NT	_	BC	AB	SK	MB	ON	_	_	_	NS	_	_	_	Smith 1976b;
	·			.,,		20		511		5.1				5				Wong 1977;
																		Smith 1979a
F. americanus (Marlatt, 1896)	CAN	AK	_	_	_	_	AB	_	_	ON	QC	NB	_	_	_	_	_	Smith 1976b
Genus Hemichroa Stephens, 1835											-							
Holarctic revision – Smith 1975a																		
H. crocea (Geoffroy, 1785)	CAN	AK	_	NT	_	ВС	_	_	MB	ON	QC	NB	PE	_	_	NF	_	Smith 1975a
Genus Hoplocampa Hartig, 1837											-							
Nearctic revision – Ross 1943c																		
H. alpestris Rohwer, 1911	CAN	_	-	_	_	BC	AB	_	-	_	_	_	_	_	_	_	_	Ross 1943c

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H. bioculata Rohwer, 1908
                                   CAN
                                                           BC AR
H. brevis (Klug, 1816) $
                                   CAN
                                                                            ON
H. cookei (Clarke, 1906)
                                   CAN
                                                           BC
                                                                                                               INHS
H. halcyon (Norton, 1861)
                                   CAN -
                                                           BC AB SK MB ON QC NB
                                                                                             NS
                                                                                                               Smith 1979a:
                                                                                                                Goulet 1987
H. lacteipennis Rohwer, 1910
                                   CAN
                                                               AB SK MB ON QC
                                                                                                                Ross 1943c
H. marlatti Rohwer, 1911
                                   CAN
                                                               AB
                                                                   – MB – –
                                                                                     NB
                                                                                              NS
                                                                                                               Smith 1979a
H. montanicola Rohwer, 1911
                                   CAN
                                                           BC AB SK MB ON QC
                                                                                                                Ross 1943c
H. neneti Ross, 1943
                                   CAN -
                                                                           ON -
H. pallipes MacGillivray, 1893
                                   CAN -
                                                           BC AB
                                                                                                                Ross 1943c
H. spala Ross, 1943
                                   CAN -
                                                           BC
                                                                                                                Ross 1943c
H. stricklandi Ross, 1943
                                   CAN -
                                                               AB
H. testudinea (Klug, 1816)$
                                   CAN
                                                                            ON QC -
                                                                                             NS
                                                                                                                Vincent et al.
 Note: apparently eradicated in BC
                                                                                                                2013; Burgart
  (Vincent et al. 2019)
                                                                                                               et al. 2016
Genus Kerita Ross, 1937
 Nearctic revision of Pseudodineurini - Smith 1976c
K. atira D.R. Smith, 1976
                                   CAN -
                                                               AB
Genus Nematinus Rohwer, 1911
 Nearctic revision - Smith 1986b
N. acuminatus (Thomson, 1871)
                                                           BC
                                   CAN AK
= N. pontanioides (Marlatt, 1896)
N. ochreatus (Rohwer, 1910)
                                   CAN
                                                           BC AB
                                                                            ON -
                                                                                     NB
N. parsebenus D.R. Smith, 1986
                                   CAN
                                                                               QC
                                                                                             NS
                                                                                                               SK, MB-Wong
                                                                                                      NF
N. unicolor (Dyar, 1895)
                                   CAN
                                                                   SK MB ON QC
                                                                                             NS
                                                                                                                1954; NF-
                                                                                                               Smith 1979a
Genus Nematus Panzer, 1801
  Note: Prous et al. 2014 synonymized several genera with Nematus, did not recognize subgenera, and moved some species to Euura.
  Nearctic revision of former genus Craesus (= Groesus) - Smith 1972; Nearctic revision of former subgenus N. (Nematus) (most species) - Smith 2008
N. abbotii (W.F. Kirby, 1882)
                                   CAN -
                                                       - - - - ON -
                                                                                             NS
                                                                                                                Smith 1972;
N. alniastri (Scharfenberg, 1805)
                                                                                 QC
                                                                                                                Buckle 1930
comb. nov.§
= Craesus alniastri (Scharfenberg, 1805)
N. castaneae (Rohwer, 1915), comb.
                                   CAN
= Craesus castaneae Rohwer, 1915
N. erythrogaster Norton, 1864
                                   CAN
                                                                       MB ON QC NB
N. laticulus (Norton, 1869)
                                                                        - ON -
                                                                                                               Smith 2008
                                   CAN
N. latifasciatus Cresson, 1880
                                   CAN -
                                                           BC
                                                                        - ON QC NB
                                                                                                               Smith 2008
N. latitarsus (Norton, 1862), comb.
                                                           BC AB SK MB ON QC NB -
                                                                                             NS
                                                                                                                Smith 1972
                                   CAN AK
                                                                                                      NF
= Craesus latitarsus Norton, 1862
N. nigristigma (Provancher, 1885)
                                                                             - QC -
                                                                                                                Smith 1975b
 Note: type mostly destroyed, therefore generic identity relative to Prous et al. 2014 unclear (D. Smith, pers. comm.)
N. tertius D.R. Smith, 2008
                                   CAN -
                                                            - AB -
                                                                            ON QC NB
                                                                                                               Smith 2008
                                                                                                               Smith 1979a
N. umbratus Thomson, 1871
                                   CAN -
                                                                            ON QC -
N. wahlbergi Thomson, 1871§
                                   CAN -
                                                                            ON
                                                                                                               BIOUG
Genus Pristiphora Latreille, 1810
 Note: Prous et al. 2014 synonymized several genera with Pristiphora and did not recognize subgenera.
 Descriptions of some Nearctic species -Wong and Ross 1960; Distributions and new combinations of species previously in Pristolini - Smith and Dolan 2016;
  European revision including synonymies and newly recorded Holarctic species - Prous et al. 2017.
P. abbreviata (Hartig, 1837)
                                   CAN -
                                                       - BC - - - ON -
P. acidovalva Wong, 1969
                                                           BC - SK MB ON QC NB
                                   CAN -
P. aphanta Wong & Ross, 1960
                                   CAN -
                                                           - - - ON QC -
P. appendiculata (Hartig, 1837)
                                   CAN -
                                                           BC AB SK MB ON QC -
                                                                                             NS
                                                                                                       NF
P. banksi Marlatt, 1896
                                   CAN
                                                                   - - - QC -
                                                           _
P. bivittata (Norton, 1861)
                                   CAN -
                                                           BC
                                                               - SK MB ON QC NB PE NS
P. borea (Konow, 1904)
                                   CAN AK YT NT
                                                      NU BC AB SK MB ON QC -
                                                                                                  LB
P. breadalbanensis (Cameron, 1882)
                                   CAN AK YT NT NU BC AB SK MB - QC
                                                                                                               Smith 1979a
P. cadma Wong & Ross, 1960
                                   CAN AK
                                                       BC − SK − ON QC −
P. chlorea (Norton, 1867)
                                   CAN -
                                                           - - SK MB ON QC NB -
P. cincta Newman, 1837
                                   CAN AK YT NT NU BC AB - MB ON QC NB - NS LB NF
P. coactula (Ruthe, 1859)
                                   CAN AK YT NT NU BC AB SK MB - QC - - -
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P. elaphita Wong & Ross, 1960	CAN	-	-	-	-		AB		-	-	-	-	-	-	-	-	-	
P. erichsonii (Hartig, 1837) §	CAN	AK	YT	NT	-	BC	AB	SK	MB	ON	QC	NB	PE	NS	LB	NF	-	AK-Richmond
Note: introduced, but also naturally																		et al. 1995;
Holarctic (see Wong 1974)																		NT, PE, NS-Ives and
																		Muldrew 1984
P. ferruginosa (Wong, 1968)	CAN	AK	_	_	_	ВС	_	_	_	_	_	_	_	_	_	_	_	
= Melastola ferruginosa Wong, 1968																		
P. frigida (Boheman, 1865)	CAN	ΑK	${\rm YT}$	NT	NU	_	AB	_	_	_	_	_	_	_	_	_	_	
= <i>P. gelida</i> Wong, 1968																		
P. geniculata (Hartig, 1840)§	CAN	-	-	-	-	BC	-	-	_	ON	QC	NB	PE	NS	-	NF	-	BIOUG
P. groenblomi (Lindqvist, 1952)	-	AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Smith 1979a
P. hucksena Wong & Ross, 1960	CAN	-	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-	
P. insularis Rohwer, 1910	CAN		-	-	-	BC		-	_	-	-	_	-	-	-	-	-	Smith 1979a
P. labradoris (Norton, 1867)	CAN	-	ΥT	NT	-	-	AB	-	MB		-	-	-	-	LB	-	-	Smith 1979a
P. lata (Cresson, 1880)	CAN	-	-	_	-	ВС	-	SK	_	-	QC	-	-	-	-	-	-	
P. lativentris (Thomson, 1871)	CAN		-	NT	-	_	-	-	MB	-	-	-	-	-	-	-	-	Smith 1979a
P. leechi Wong & Ross, 1960	CAN	-	_	_	-	ВС		-	_	_	_	_	_	-	_	_	-	
P. lena Kincaid, 1900	CAN		ΥT	NT*	-	ВС	AB	SK	MB	ON	_		NS	-	LB	NF	-	Smith 1979a
P. litura (Klug, 1816)	CAN	-	-	-	-	-	-	-	_	ON	QC	NB	-	-	-	-	-	
= Neopareophora litura (Klug, 1816)	CANT	477				D.C.	4.0		1.00		00				T D			ATZ C 1.1 1
P. macnabi (Ross, 1945)	CAN	AK	_	_	_	BC	AB	-	MB	-	QC	_	-	_	LB	-	-	AK-Smith and Dolan 2016;
= Pristola macnabi Ross, 1945																		AB, MB-Wong
																		1968
P. maura Rohwer, 1908	CAN	AK	ΥT	NT	_	_	AB	_	MB	_	QC	_	_	_	_	_	_	
P. melanocarpa (Hartig, 1840)	CAN				NU	_	_	_	MB	_	QC	_	_	_	_	_	_	
P. micronematica Malaise, 1931	CAN		_	NT	_	_	_	_			QC	_	_	_	_	_	_	Smith 1979a
P. mollis (Hartig, 1837)	CAN	AK	ΥT	NT	NU	BC	AB	_		ON	-	NB	_	_	LB	_	_	
P. nigra Marlatt, 1896	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
P. pallidiventris (Fallén, 1808)	CAN	AK	_	_	_	ВС	AB	_	MB	ON	QC	NB	_	_	LB	_	_	Smith 1979a;
-											_							Rohwer 1910
P. parbeta Wong & Ross, 1960	CAN	AK	-	-	-	_	_	-	MB	ON	-	_	-	_	-	-	_	Smith 1979a
P. pseudocoactula (Lindqvist, 1952)	CAN	-	-	-	-	_	-	-	MB	_	_	_	-	-	-	-	-	Smith 1979a
P. punctifrons (Thomson, 1871)	CAN	-	-	-	-	BC	-	SK	_	_	QC	_	-	-	-	-	-	Prous et al.
D 1 1 1 1 1 100	001			3 TOTAL														2017
P. relativa Norton, 1867	CAN	-	-	NT*	-	_	-	-	_	-	-	-	-	-	-	-	-	Smith 1979a
P. resinicolor (Marlatt, 1896)	-	AK	-	-	-	-	-	-	_	_	_	-	-	-	-	-	-	Smith 1979a
= Melastola resinicolor (Marlatt, 1896)	CAN								1.40									C:d- 1070-
P. reuteri (Lindqvist, 1960)	CAN		-	_	-	BC	- 1D	-	MB	- ON	-	-	-	-	-	- NF*	-	Smith 1979a BC, NF-Smith
P. rufipes Serville, 1823\$	CAN	-	-	_	-	BC	AB	_	_	ON	QC	_	-	-	-	IVF	-	1979a; AB-
																		Smith 1980a
P. serrula Wong & Ross, 1960	CAN	_	_	_	_	ВС	_	_	_	_	_	_	_	_	_	_	_	
P. siskiyouensis Marlatt, 1896	CAN		ΥT	NT	NU		AB	SK	MB	ON	QC	_	_	NS	LB	NF	_	Smith 1980a
P. staudingeri (Ruthe, 1859)	CAN							_		ON	_	_	_	_	LB	_	_	Smith 1979a
P. subbifida (Thomson, 1871) §	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	Smith et al.
, , , , , , , , , , , , , , , , , , , ,																		2018
P. sycophanta Walsh, 1866	CAN	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	-	-	-	LB	-	_	
Genus Pseudodineura Konow, 1885																		
Nearctic revision of Pseudodineurini - Sm		2																
P. fuscula (Klug, 1816)§	CAN	-	-	-	-	-	-	-	-	ON	-	-	-	-	-	-	-	
P. kasatochi D.R. Smith, 2010	-	AK	-	-	-	-	-	-	_	-	-	_	-	-	-	-	-	Smith et al.
P. lehosa D.R. Smith, 1976	CAN	1V				DC.												2010 Smith 1976c
* * * * * * * * * * * * * * * * * * * *	CAN		_	_	_	BC	- 1D	_	-	ON	_	_	-	NIC.	_	_	-	Smith 1976c Smith 1976c
P. parva (Norton, 1867)  Genus Susana Rohwer & Middleton	CAN	_	_	_	_	-	AB	_	IVID	ON	-	_	-	NS	_	_	-	Siliul 1970c
Review – Smith 2006b	, 1932																	
	CAN					ВС												
S. fuscala Wong & Milliron, 1972 SUBFAMILY SELANDRIINAE	CAIN	_	_	_	_	ьс	_	_	_		_		_	_	_		_	
Nearctic revision – Smith 1969b																		
Genus Adelesta Ross, 1937																		
A. nova (Norton, 1867)	CAN	_	_	_	_	_	_	_	_	ON	OC	NB	_	NS	_	_	_	Smith 1969b
Genus Aneugmenus Hartig, 1837											رن			- 10				
A. flavipes (Norton, 1861)	CAN	_	_	_	_	_	_	_	MB	ON	QC	NB	_	NS	_	NF	_	Ross 1930
A. padi (Linnaeus, 1760) §	CAN		_	_	_	ВС	_	_	_	_	_	_	_	_	_	_	_	
Genus <i>Birka</i> Malaise, 1944						-												
B. nordica D.R. Smith, 1969	CAN	AK	ΥT	_	_	ВС	AB	_	МВ	_	_	_	_	_	_	_	_	
,																		

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Genus Brachythops Curtis, 1939
                                                      - AB SK MB - QC -
B. flavens (Klug, 1816)
                               CAN AK - NT
                                                                                         LB
B. wuestneii (Konow, 1885)
                                                      - AB SK MB - QC -
                                                                                         LB
Genus Dolerus Panzer, 1801
 Nearctic revision - Goulet 1986
Subgenus Achaetoprion Goulet, 1986
D. abdominalis (Norton, 1861)
                                CAN
                                                                     ON
                                                                                                     Goulet 1986
D. abstrusus Goulet, 1986
                                CAN
                                                                     ON QC NB
                                                                                     NS LB
                                                                                                     MB-Ross 1931:
D. agcistus MacGillivray, 1908
                               CAN
                                                         AB SK MB ON QC
                                                                                                     ON, QC-
                                                                                                     Goulet 1986
D. beauvoisi D.R. Smith, 2009
                               CAN -
                                                                    ON QC
D. decussatus Goulet, 1986
                               CAN
                                                                     ON -
D. eurybis Ross, 1931
                                                         AB SK MB ON QC NB
                               CAN
D. lesticus MacGillivray, 1914
                               CAN -
                                                              - MB ON QC
                                                                                                     Ross 1931
D. maculicollis (Norton, 1861)
                               CAN -
                                             NT
                                                         AB SK MB ON QC NB
                                                                                     NS
                                                                                         LB
                                                                 - ON QC -
D. mimus Goulet, 1986
                               CAN -
                                                         AB SK
                                                                 - ON QC
D. moramus Ross, 1931
                               CAN -
                                                             SK
                               CAN -
                                                     BC AB SK MB ON QC
D. nativus MacGillivray, 1923
                                             NT*
                                                                                         I.B
D. neoagcistus MacGillivray, 1923
                               CAN -
                                                              - MB ON QC NB
                                                                                                     Goulet 1986
D. nigrilabris Ross, 1931
                               CAN -
                                                         AB
D. nortoni Ross, 1931
                               CAN -
                                                                MB ON OC NB -
D. rossi Goulet, 1986
                               CAN -
                                                             SK - ON OC NB
                                                                                                     Goulet 1986
D. sayi Goulet, 1986
                               CAN -
                                                             SK MB ON OC NB
Subgenus Dicrodolerus Goulet, 1986
                                             NT
                                                 - BC AB SK MB ON QC NB
D. apricus (Norton, 1861)
                               CAN AK -
D. nauticus MacGillivray, 1923
                               CAN AK
                                                     BC
Subgenus Dolerus Panzer, 1801
D. aeneiceps Goulet, 1986
                                             NT - BC AB
D. aprilis (Norton, 1861)
                               CAN AK YT NT NU BC AB SK MB ON QC NB
D. apriloides MacGillivray, 1908
                                             NT

    AB SK MB ON QC

D. elderi Kincaid, 1900
                               CAN AK YT NT NU BC AB SK MB ON QC
                                                                                     NS LB
D. incisus Goulet, 1986
                               CAN - YT NT
                                                 – AB
                                                  - BC AB
D. nasutus MacGillivray, 1923
                               CAN -
D. nimbosus MacGillivrav, 1923
                                                  - BC AB
                               CAN -
D. similis (Norton, 1861)
                                             NT NU BC AB SK MB ON QC NB -
D. tibialis Cresson, 1880
                                CAN AK YT NT - BC AB SK MB ON OC NB PE NS LB NF
D. yukonensis Norton, 1872
                               CAN AK YT NT NU BC AB SK MB ON QC NB - NS LB NF
Subgenus Equidolerus Taeger & Blank, 1996
D. frisoni Ross, 1931
                               CAN -
                                                  - - AB - MB ON QC -
 Note: Records by Smith (1979a) of D. pratensis (Linnaeus) from AB and MB are D. frisoni (Goulet 1986). D. pratensis is only Palearctic.
D. gessneri André, 1880
                               CAN AK YT NT - - AB - - ON QC -
                               CAN AK YT NT - BC AB - - ON OC -
D. konowi MacGillivray, 1914
                               CAN AK YT NT
                                                 - BC AB SK MB ON QC NB - NS LB NF
D. subfasciatus F. Smith, 1874
Subgenus Loderus Konow, 1890
                               CAN AK YT NT - BC AB SK MB ON QC -
D. gilvipes (Klug, 1818)
Subgenus Neodolerus Konow, 1890
D. centralis Ross, 1931
                               CAN
D. columbianus Goulet, 1986
                               CAN
                                                                                                     Goulet 1986
D. fulgens Goulet, 1986
                               CAN
                                                                     ON QC
D. hebes Goulet, 1986
                               CAN -
                                                         AB
                                                                     ON -
                                                                                     NS
                                                                                                     Goulet 1986
                               CAN -
                                                                     ON QC NB -
                                                                                     NS
D. neosericeus MacGillivray, 1908
                                                             SK
                                                                     ON QC -
D. parasericeus MacGillivray, 1908
                               CAN -
D. polysericeus MacGillivray, 1908
                               CAN -
                                                                         OC.
                                                                                                     Goulet 1986;
D. sericeus Say, 1824
                               CAN -
                                                      BC AB
                                                                     ON QC
                                                                                                     Smith 1980a
Subgenus Oncodolerus Goulet, 1986
D. acidus (MacGillivray, 1923)
                               CAN -
                                                 - BC AB - MB ON QC NB
                                                                                                     Goulet 1986
Subgenus Poodolerus Zhelochovtsev, 1988
D. asper Zaddach, 1859
                               CAN AK
                                             NT
                                                     BC -
                                                             SK MB ON QC -
                                                                                         LB
                                                                                                     Goulet 1986
D. borealis MacGillivray, 1893
                               CAN -
                                                     BC
                                                     BC AB
D. illini Ross, 1931
                               CAN -
                                                                 MB ON QC NB
                                             NT
                                                         AB SK MB ON QC NB
                                                                                                     Smith 1980a
D. neocollaris MacGillivray, 1908
                               CAN -
D. nitens Zaddach, 1859$
                               CAN -
                                                     BC
                                                                  - ON QC
                                                                                 PE
                                                                                             NF
D. nocuus MacGillivray, 1923
                               CAN AK YT
                                                     BC AB
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n 21.1 n																		G 1
D. rufilobus Ross, 1931	CAN	-	-	-	-	-	-	SK	MB		-	-	-	-	-	-	-	Goulet 1986
D. unicolor (Palisot de Beauvois, 1809)	CAN	-	-	-	-	-	-	-	MB	ON	QC	NB	-	NS	-	-	-	Goulet 1986
Genus Heptamelus Haliday, 1855					, ,	(0	,		205)	x 2:1.1		1 7 .	201	20				
Taxonomy and biology of <i>H. dahlbomi</i> (Ti		18/0)	versu	s H. oc			ephei	1s, 18	335) –	Vikbe		1 Listo	on 200	J9				
H. dahlbomi (Thomson, 1870) §	CAN	_	_	_	-	ВС	_	_	_	_	QC	_	_	_	_	-	_	
Genus Nesoselandria Rohwer, 1910	CANI					D.C.				ONI	00							
N. morio (Fabricius, 1781) §	CAN	_	_	-	-	ВС	_	_	_	ON	QC	_	_	_	_	-	-	
Genus Strongylogaster Dahlbom, 18	35																	
Nearctic revision – Smith 1969b	CANI					D.C.												
S. distans Norton, 1868	CAN	_	_	_	-	BC	_	_	_	ON.	-	NID.	_	NIC.	T D	-	-	
S. impressata Provancher, 1878	CAN	-	_	_	-	_	_	_	-	ON	QC -	IND	-	NS	LB	-	-	
S. lata D.R. Smith & Naito, 1995	CAN	_	_		-		_	_	_	ON		_	_	A/C	_	_	_	Coulet 1007
S. macula (Klug, 1817) §	CAN	_	_	_	-	ВС	_	_		ON ON	-	– NID		NS NC				Goulet 1987
S. multicincta Norton, 1862	CAN CAN	_	-	-	_	_	_	-	-	ON	- -	-	-	NS NS	-	-	_	
S. polita Cresson, 1880			_	_	_	_	_	_	_				_		_	_		Coulet 1007
S. remota Rohwer, 1912	CAN	- 112	_	_	-	P.C	_	_	_	ON	QC	-	-	NS NC	-	-	-	Goulet 1987
S. rufigastra (Kincaid, 1900)	CAN		_	_	-	ВС	_	_	- m	- ON	-	- NID	_	NS	_	NF	-	Smith 1969b
S. soriculatipes Cresson, 1880	CAN	-	_	_	_	_	_	_		ON	_		-	NS	_	-	-	Goulet 1987
S. tacita (Norton, 1860)	CAN	_	_	_	_	- DC	_	_	-	ON	QC	NB	-	NS	_	-	_	Goulet 1987
S. tibialis Cresson, 1880	CAN	_	_	_	_	ВС	_	_	_	_	_	_	_	_	_	-	_	
Genus Thrinax Konow, 1885																		
Nearctic revision – Smith 1966 as Hemita:										ONI	00	NID		NIC		NTE		
T. albidopicta (Norton, 1868)	CAN	-	_	_	-	_	_	_		ON	_		-		_	NF	-	
T. dubitata (Norton, 1862)	CAN	-	_	_	_	_	_	_		ON	_		-	NS	_	-	_	
T. multicinctus (Hall, 1918)	CAN	-	_	_	-	DC	_	_	-	ON	QC	-	_	_	_	-	-	S:d- 1000
T. primaria (D.R. Smith, 1966)	CAN	_			_	ВС	_	_			_	_					_	Smith 1966
SUBFAMILY TENTHREDININAE		J	: /D - L		C	.TC		1.1.	-11 - 1 4	X7:	D	с" т	1 1		1 .1	1	.11.	4
Note: Smith and Gibson (1984) stated the all other specimens are from Mexico to Ca															a tney	were i	abeie	d correctly since
Genus Aglaostigma Kirby, 1882	шоппа. С	Jenus	and s	pecies	OHIII	eu pen	ding	acicii	ionai s	peciii	CHS II	om C	anada					
Nearctic revision – Ross 1943a																		
A. jocosum (Provancher, 1882)	CAN				_				MB	ON	00	_	_	NS			_	
11. Joeosum (1 Iovanenei, 1002)																		
A quattuordecimpunctatum (Norton	CAN	_	_	_	_	_	_				_				_	_	_	
A. quattuordecimpunctatum (Norton, 1862)	CAN	-	-	-	-	-	-	-	-	ON	_			NS	-	-	-	
1862)		_	_	-	-	- BC	_	_			_				_	_	-	
1862) A. rubens (Cresson, 1880)	CAN	_	_	_	_	BC	_	_		ON -	QC -	NB -	_	NS -	_	-	_	Smith 1979a
1862) A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862)		- - -	- - -	- - -	_ _ _	BC				ON -	QC -		_	NS -	- - -	- - -	_ _ _	Smith 1979a
1862) A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862) Genus Lagium Konow, 1904	CAN	- - -	- - -	- - -	- - -	BC –	_ _ _			ON -	QC -	NB -	_	NS -	- - -	- - -	- - -	Smith 1979a
1862) A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862) Genus Lagium Konow, 1904 Review – Smith 1986a	CAN CAN	- - -	- - -	- - -		- BC -				ON - ON	QC - QC	NB - NB	_	NS -	- - -			Smith 1979a
1862) A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862) Genus Lagium Konow, 1904 Review – Smith 1986a L. atroviolaceum (Norton, 1860)	CAN CAN	_	- - -	- - -		- BC -				ON -	QC - QC	NB - NB	_	NS -	- - -	- - -	- - -	Smith 1979a
1862) A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862) Genus Lagium Konow, 1904 Review – Smith 1986a L. atroviolaceum (Norton, 1860) Genus Leucopelmonus MacGillivray,	CAN CAN CAN 1916	_				- BC -				ON ON ON	QC - QC QC	NB NB NB	- PE	NS - NS		- - - NF		Smith 1979a
1862) A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862) Genus Lagium Konow, 1904 Review – Smith 1986a L. atroviolaceum (Norton, 1860) Genus Leucopelmonus MacGillivray, L. annulicornis (Harrington, 1893)	CAN CAN	_		- - -		- BC - -				ON ON ON	QC - QC QC	NB NB NB	- PE	NS -	- - -	- - - NF	- - -	Smith 1979a
A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862) Genus Lagium Konow, 1904 Review – Smith 1986a L. atroviolaceum (Norton, 1860) Genus Leucopelmonus MacGillivray, L. annulicornis (Harrington, 1893) Genus Macrophya Dahlbom, 1835	CAN CAN CAN 1916	_				- BC - -				ON ON ON	QC - QC QC	NB NB NB	- PE	NS - NS	- - -	- - - NF		Smith 1979a
1862) A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862) Genus Lagium Konow, 1904 Review – Smith 1986a L. atroviolaceum (Norton, 1860) Genus Leucopelmonus MacGillivray, L. annulicornis (Harrington, 1893) Genus Macrophya Dahlbom, 1835 Nearctic revision – Gibson 1980	CAN CAN CAN 1916 CAN		- - - -			- BC - -				ON ON ON	QC QC QC	NB NB NB	- PE	NS - NS		- - - NF		Smith 1979a
1862) A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862) Genus Lagium Konow, 1904 Review – Smith 1986a L. atroviolaceum (Norton, 1860) Genus Leucopelmonus MacGillivray, L. annulicornis (Harrington, 1893) Genus Macrophya Dahlbom, 1835 Nearctic revision – Gibson 1980 M. alba MacGillivray, 1895	CAN CAN 1916 CAN CAN					- BC				ON ON ON ON	QC QC QC	NB NB NB	- PE	NS - NS - NS		- - - NF		Smith 1979a
1862) A. rubens (Cresson, 1880) A. semiluteum (Norton, 1862) Genus Lagium Konow, 1904 Review – Smith 1986a L. atroviolaceum (Norton, 1860) Genus Leucopelmonus MacGillivray, L. annulicornis (Harrington, 1893) Genus Macrophya Dahlbom, 1835 Nearctic revision – Gibson 1980 M. alba MacGillivray, 1895 M. albomaculata (Norton, 1860)	CAN CAN 1916 CAN CAN CAN	_ _ _ _				- BC - - -				ON ON ON ON ON	QC QC QC QC	NB NB NB NB	- PE	NS - NS	_	- - - NF		
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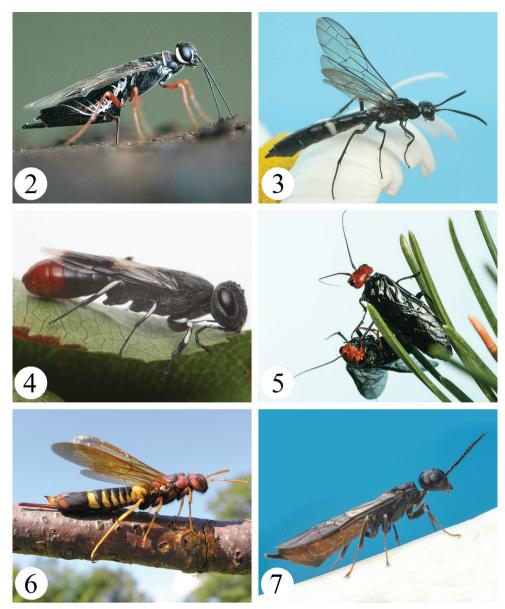
M. oregona Cresson, 1880	CAN AK	-	-	_	BC	-	-	_	_	_	-	-	-	_	_	_	Gibson 1980
M. pannosa (Say, 1836)	CAN -	-	-	-	_	-	-	-	ON	QC	-	-	NS	-	-	-	Gibson 1980
M. propinqua Harrington, 1889	CAN -	-	-	-	_	-	-	-		QC	-	-	-	-	-	-	
M. pulchella (Klug, 1817)	CAN -	-	-	-	_	-	-		ON	-	-	-	-	-	-	-	
M. punctata MacGillivray, 1895	CAN -	-	-	-	_	-	-	-	ON	_	-	-	-	-	-	-	
M. punctumalbum (Linnaeus, 1767)§	CAN -	-	-	-	ВС	-	-	-	ON	_	-	-	NS	-	-	-	
M. senacca Gibson, 1980	CAN -	-	_	-	-	-	-		ON	-		-	NS	-	-	-	Gibson 1980
M. serratalineata Gibson, 1980	CAN -	-	-	-	-	-	-		ON	QC	_	-	-	-	-	-	
M. simillima Rohwer, 1917	CAN –	_	_	_	_	A D	_ CI/	MB	- ON	-		_	NIC	_	_	-	
M. succincta Cresson, 1880 M. tibiator Norton, 1864	CAN -	-	_	_	_	AD	-		ON ON	~	_	_	NS	-	_	-	
· ·	CAN -	_	_	_	BC	ΔR			ON	_			NIC.	T R		_	
M. trisyllaba (Norton, 1860) M. varia (Norton, 1860)	CAN -	_	_	_					ON					LD	141	_	
M. zoe Kirby, 1882	CAN -	_	_	_	_	-	-		ON	_	-	-	_		_	_	
Genus <i>Pachyprotasis</i> Hartig, 1837	C								011	Q.							
P. rapae (Linnaeus, 1767)	CAN AK	ΥТ	NT	_	BC	AB	SK	MB	ON	OC	NB	_	NS	LB	NF	_	
Genus Rhogogaster Konow, 1884										~							
Nearctic revision – Ross 1943b																	
R. addenda (Cresson, 1880)	CAN -	-	_	_	BC	AB	_	_	_	_	_	_	_	_	_	_	
R. californica (Norton, 1862)	CAN AK	ΥT	NT	_	BC	AB	SK	MB	ON	QC	NB	_	-	-	_	-	
R. lateraria (Cresson, 1880)	CAN -	-	-	_	BC	AB	-	_	_	_	_	_	-	-	_	-	Ross 1943b
R. viridis (Linnaeus, 1758)	CAN AK	ΥT	NT	_	BC	AB	SK	MB	ON	QC	-	-	-	_	_	_	
Genus Tenthredo Linnaeus, 1758																	
Nearctic revisions of <i>T. arcuata</i> species grou	-	^	rosopa ş	group	s – Go	oulet 1	996,	2020									
T. alaskana (Enslin, 1910)	– AK	-	-	-	-	-	-	-	_	-	-	-	-	-	-	-	
T. alienata Rohwer, 1912	CAN -	-	-	-	ВС	AB	-	-	-	-	-	_ DE	-	-	-	-	NID LIGNIA
T. angulifera (Norton, 1860)	CAN –	-	-	-	-	-	-	MB	ON	QC	NB	PE	NS	-	-	-	NB-USNM; NS-INHS
T. anomocerus Rohwer, 1912	CAN -				ВС	AR											BC-CUIC
T. appalachia Goulet & D.R. Smith,	CAN -	_	_	_	_	-		_		QC	_	_	_		_	_	Goulet and
1995	C2111									QU							Smith 1995
T. arctica (Thomson, 1870)	CAN AK	_	NT	_	_	_	_	_	_	_	_	_	_	_	_	_	
T. atra Linnaeus, 1758	CAN AK	YT	_	_	BC	AB	_	_	ON	_	_	_	NS	LB	_	_	
T. auraria Konow, 1899	CAN AK	YT	NT	_	BC	AB	SK	MB	ON	QC	_	_	_	LB	NF	_	
T. basilaris Say, 1824	CAN -	_	_	_	_	AB	SK	MB	ON	QC	NB	PE	NS	_	_	_	
T. cascadensis Goulet, 1996	CAN -	_	_	_	ВС	_	_	_	_	_	_	_	_	_	-	_	
T. cinctitibiis Norton, 1869	CAN -	YT	NT	_	_	AB	_	MB	ON	QC	_	_	-	LB	NF	_	Smith 1979a
T. colon Klug, 1817	CAN AK	YΤ	NT	_	BC	AB	SK	MB	ON	QC	NB	-	_	LB	NF	-	Smith 1979a
T. coloradensis Rowher, 1912	CAN -	-	-	-	BC	AB	-	-	_	_	-	-	-	-	-	-	
T. comox Goulet, 1996	CAN -	-	-	-	BC	-	-	-	_	-	-	-	-	-	-	-	
T. cordillera Goulet, 1996	CAN AK		-	-	ВС	AB	-	-	_	_	-	-	-	-	-	-	AK-CAS
T. devia (Konow, 1900)	CAN AK		-	-	_	-	-	-	ON	-	-	-	-	-	-	-	ON-ROM
T. discrepans Norton, 1868	CAN -	-	-	_	-	-	-	-	ON	-	-	-	-	-	-	-	Norton 1868
T. dissimilis (Norton, 1860)	CAN -	_	-	-	-	_	-	-	ON	-	-	-	-	_	-	-	0 .1 .0=0
T. diversiceps Rohwer, 1910	CAN -	YT	-	-	-	AB	-	_	-	-	NB	-	-	LB	-	-	Smith 1979a
T. elegantula (Cresson, 1880)	CAN -	_	-	-	BC	_ A.D.	_	-	_	-	_	_	_	-	-	-	Smith 1979a
T. erythromera Provancher, 1885	CAN AK	VT	NIT.	-	BC		- CV	- MD	- ON	QC	-	-	NIC	T D	_	_	Smith 19/9a
T. eximia Norton, 1868	CAN -	11	NT	-	ьс	AD	Эľ	IVID	ON	QC	IND	-	NS	LD	-	_	
T. fawnae Goulet, 2020 T. fernaldii MacGillivray, 1900	CAN -	_	_	_	_	_	_	_		QC	NR	_	_	_	_		
T. ferrugineipes Cresson, 1880	CAN AK				BC	AB			-	QC.	110						Smith 1979a
T. flaviocciput Goulet, 2020	CAN -	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	ommu 1979u
T. fraternalis (Ross, 1931)	CAN -	YT	NT	_	BC	AB	_		-		_	_	_	LB	_	_	
T. grandis (Norton, 1860)	CAN -	_	_	_	_	_	_	-		QC			NS	_	_	_	
T. juga Konow, 1908	- AK	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Konow 1908
T. lacticincta Cresson, 1880	CAN -	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
T. leoni Goulet, 2020	CAN -	_	_	_	_	_	_	_	_	QC	NB	PE	NS	_	_	_	QC-QMOR
= T. cingulatus Provancher, 1878										~							•
T. leucostoma (Kirby, 1837)	CAN AK	-	NT	_	-	AB	_	MB	ON	QC	NB	_	NS	_	_	_	
T. lobata (Norton, 1860)	CAN -	-	-	_	-	-	_	-	ON	QC	-	-	-	_	_	_	
T. macgillivrayi (Smulyan, 1915)	CAN -	-	_	_	-	AB	-	MB	ON	QC	NB	PE	NS	-	_	_	Smith 1979a
T. maculosa (Smulyan, 1915)	CAN -	-	_	_	-	_	_	MB	ON	QC	-	-	_	_	_	_	
= T. mantha Ross, 1951																	
T. magnata MacGillivray, 1897	CAN –	-	-	-	BC	-	-	-	-	-	-	-	-	-	-	-	

T. masneri Goulet & D.R. Smith,	CAN	-	_	-	-	-	_	_	-	ON	QC	-	-	NS	-	-	-	Goulet and
1995	0111		* 2777			D.C.												Smith 1995
T. maxima (Norton, 1867)	CAN	-	ΥT	-	-	ВС	AB	-	-	-	_	_	-	-	-	-	-	G 1 100T
T. mellicoxa Provancher, 1878	CAN	-	-	-	-	_	-	-	-	ON	_	-	_ DE	NS	-	-	-	Goulet 1987
T. mellina (Norton, 1860)	CAN	-	-	-	-	_	-	-		ON	_	NB	PE	-	-	-	-	
T. micheleae Goulet, 2020	CAN	-	-	-	_	-	-	-	-	ON	~	-	-	-	-	-	-	
T. nigritarsalis Goulet, 2020	CAN	-	_	_	_	-	-	-	MB	ON	QC	_	-	_	-	-	-	
T. nigritibialis MacGillivray, 1897	CAN	-	-	-	-	BC	AB	-	- . m	-	-	_	-	-	-	-	-	AD TIACM
T. nordica Goulet, 2020	CAN	-	-	-	-	_	AB	SK	MB	ON	-	_	-	-	-	-	-	AB-UASM
= T. bella Cresson, 1880	CAN						ΔD	CIZ		ONI	00							AB-INHS
T. nova MacGillivray, 1897	CAN CAN	_	_	_	_	PC	AB	Эľ	-	ON	QC	_	_	_	_	_	_	AD-IIVI IS
T. occidentalis Cresson, 1880		A T/		ATT	_	BC		_	_	_	_	_	_	_	_	_	_	
T. olivacea Klug, 1817 T. opima Cresson, 1880	CAN CAN	AK	11	NT	_	BC BC	AB	_	_	_	_	_	_	_	_	_	_	
T. originalis (Norton, 1867)	CAN	_	YT	NT	_	BC	_	_	_	_	QC	_	_	_	LB	NF	_	YT-QMOR;
1. originaus (Notton, 1807)	CAIN	_	11	111	_	ьс	_	_	_	_	QC	_	_	_	LD	INF	_	BC-EMUS
T. paraverticalis Goulet, 2020	CAN	_	_	_	_	_	_	_	_	ON	OC.	_	_	_	_	_	_	DO LINICO
T. perplexa MacGillivray, 1897	_	AK	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Konow 1908
T. piceocincta (Norton, 1860)	CAN	_	_	_	_	BC	AB	SK	MB	ON	OC	NB	PE.	NS	_	_	_	NS-FSCA
Note: previous records from AK (as <i>T. harr</i>		incaid	) are o	mittec	l until						Q.	1.2		1.0				
T. pleuralis Cresson, 1865	CAN			NT						ON	OC	_	_	_	_	NF	_	
T. remea MacGillivray, 1923	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
T. rhammisia MacGillivray, 1923	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	Smith 1979a
T. ruficollis Harrington, 1894	CAN		_	_	_	ВС		_	_	_	_	_	_	_	_	_	_	
T. rufiscutum Goulet, 2020	CAN	_	_	_	_	_	_	_	_	ON	OC.	NB	_	NS	_	_	_	
T. rufopectus (Norton, 1860)	CAN	_	_	_	_	_	AR	SK		ON	_				_	NF	_	
T. rurigena MacGillivray, 1923	CAN	_		_	_	_				ON						NF	_	
T. rutila MacGillivray, 1923	CAN								MB		_	110	-	-		141		
T. secunda MacGillivray, 1897	CAN							_	_		QC	NB	DE	NS				
T. signata (Norton, 1860)	CAN	_				ВС	ΔR	_	_		QC		-	NS		NF	_	
T. stricklandi (Ross, 1931)	CAN					BC	AB			-	QC.	110		140		141	_	Smith 1979a
T. subcoerulea Eschscholtz, 1822	_	AK				ьс	7110											AK-USNM
Note: species misinterpreted. True <i>T. subcoo</i>			n AK	_	_	_			_	_	_	_		_		_		1111 001 1111
T. subrufescens Kirby, 1882	CAN	- -		_	_	_	AR	SK	MR	ON	OC	_	_	NS	_	NF	_	
T. taegeri Goulet, 1996	CAN	_	ΥT	_	_	ВС	AB	-	IVID	-	QC		_	_		141	_	
T. titusi Rohwer, 1909	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
T. transversolinea Goulet, 2020	CAN	_	_	_	_	_	_	_	_	_	QC	_	_	_	_	_	_	
= T. rubripes MacGillivray, 1900	C2 11 1										QC							
T. ungava Goulet, 1996	CAN	AK	ΥT	NT	NU	ВС	AB	_	MB	ON	OC	_	_	_	LB	_	_	
T. varians Norton, 1868	CAN	_	_	_	_	_	_	_	_		QC	NB	PE	NS		NF	_	
T. varipicta Norton, 1868	CAN	AK	_	_	_	BC	AB	_	_	_	_	_	_	_	_	_	_	Smith 1979a
T. vellosa Ross, 1951	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
T. verticalis Say, 1824	CAN	_	_	_	_	_	_	_	_		QC	NB	PE.	NS	_	_	_	
T. xantha Norton, 1864	CAN		YΤ	NT	_	ВС	AB	_	_	_	_	_	_	_	_	_	_	
T. yuasi MacGillivray, 1920	CAN	_	_	_	_	_	_	_	_	ON	OC	_	_	_	_	_	_	
Genus Zaschizonyx Ashmead, 1898											~							
Z. montana (Cresson, 1865)	CAN	_	_	_	_	ВС	AB	SK	MB	ON	OC	_	_	_	_	_	_	
SUPERFAMILY XYELOIDEA											~							
FAMILY XYELIDAE																		
Key to Nearctic genera – Ross 1932																		
SUBFAMILY MACROXYELINAE																		
Genus Macroxyela Kirby, 1882																		
Nearctic revision – Smith and Schiff 1998																		
M. ferruginea (Say, 1824)	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
Genus Megaxyela Ashmead, 1898																		
Nearctic revision – Smith and Schiff 1998																		
M. aviingrata (Dyar, 1898)	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
M. tricolor (Norton, 1862)	CAN	_	_	_	_	_	_	_	_	ON	_	_	_	_	_	_	_	
Genus Xyelecia Ross, 1932																		
X. nearctica Ross, 1932	CAN	_	_	_	_	BC	_	_	_	_	_	_	_	_	_	_	_	
SUBFAMILY XYELINAE																		
Genus Pleroneura Konow, 1897																		
Nearctic revision – Smith 1977																		
P. aldrichi Ross, 1932	CAN	_	_	_	_	_	_	_	-	_	QC	_	_	_	_	_	_	
											- 1							

P. brunneicornis Rohwer, 1910	CAN -	-	_	-		_	_	ON	QC	NB	_	NS	_	-	_	
P. californica (Ashmead, 1898)	CAN -	_	_	_	BC AB	_	_	_	_	_	_	_	_	-	_	Smith 1979a
Genus Xyela Dalman, 1819																
Nearctic revision – Burdick 1961																
X. alberta (Curran, 1923)	CAN -	YT	_	_	BC AB	_	_	_	_	_	_	_	_	-	_	
X. alpigena (Strobl, 1895)	CAN -	_	_	_		_	_	ON	QC	_	_	_	_	-	_	
X. bakeri Konow, 1898	CAN AK	ΥT	NT	_	BC AB	SK	_	ON	QC	_	_	_	_	-	_	
X. cheloma Burdick, 1961	CAN -	_	_	_	ВС -	_	_	_	_	_	_	_	_	_	_	
X. julii Brébisson, 1818	CAN -	_	_	_	<ul> <li>AB</li> </ul>	_	_	ON	_	_	_	_	_	_	_	BIOUG-AB,
Status relative to X. obscura (Strobl)																ON
currently under investigation																
X. linsleyi Burdick, 1961	CAN -	_	_	_	ВС -	_	_	_	_	_	_	_	_	-	_	
X. middlekauffi Burdick, 1961	CAN -	_	_	_		_	_	ON	QC	_	_	_	_	_	_	Burdick 1961
X. minor Norton, 1869	CAN -	YT	NT	_	BC AB	_	_	ON	QC	_	_	_	_	_	_	Smith 1979a
X. pini Rohwer, 1913	CAN -	YT	NT	_	BC AB	_	_	ON	QC	_	_	NS	_	NF	_	Smith 1979a

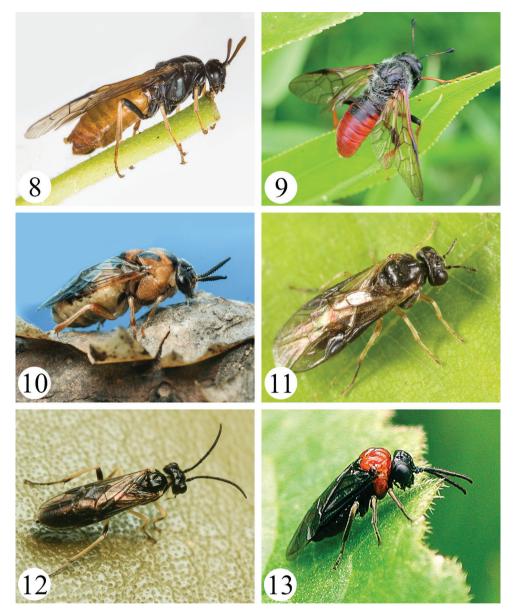
Hemisphere sawfly surveys include Liston et al. (2014) for Britain and Ireland (539 species in 313,100 km<sup>2</sup> = one species per 580.9 km<sup>2</sup>), Naito et al. (2020) for Japan  $(875 \text{ species in } 377,915 \text{ km}^2 = \text{ one species per } 431.9 \text{ km}^2)$  and Macek et al. (2020) for the Czech and Slovak Republics (750 species in 127,901 = one species per 170.5 km<sup>2</sup>). Because of the great differences in the geographic size of these three surveys compared to northern Northern America, it is difficult to make comparisons. A more appropriate comparison of sawfly species diversity between northern North America and a Palaearctic country is provided by Sundukov (2017) who recorded 1546 species in Russia (surface area 17.1 million km<sup>2</sup>), which equals an average of one sawfly species per 11,060 km<sup>2</sup>. In summary, surveys of smaller areas generally have greater density of sawfly species recorded (except for northern North America compared to Russia), and there is a higher density of sawfly species recorded in all of the Palaearctic surveys compared to the northern Nearctic. The lower species richness of sawflies recorded from the northern Nearctic compared to the Palaearctic is likely an effect of lower sampling in the Nearctic. The western Palaearctic is certainly the best sampled region of the world for most groups of organisms, including sawflies. In conjunction with greater sampling, there has been more study of sawflies in Europe compared to northern North America, especially the hyperdiverse Nematinae. For example, Pristiphora Latreille has 221 described species (Taeger et al. 2018) of which about 120 are known from Europe (Prous et al. 2017). Haris (2006) treated the European species relatively recently and provided a key for 155 Palaearctic species, and Prous et al. (2017) revised 90 species from Scandinavia and neighbouring regions. In contrast, Pristiphora has only 55 described species in the entire Nearctic region (24.7 million km²) (Taeger et al. 2018) and has never been completely revised for the region, although unpublished work by H.R. Wong indicates that many undescribed Nearctic species exist and a revision of the genus for the region is currently in progress (S. Monckton, pers. comm.).

In contrast to Canada, the number of species of sawflies in Alaska and Greenland is far lower, with 183 species in 48 genera in 8 families from Alaska and 7 described species in 1 genus (*Euura*) from Greenland (Tables 1, 2). Smith (1979a) recorded 136 species of sawflies from Alaska, meaning that the current survey has increased the number by 34.6%. The number of described species recorded from Alaska has some degree of uncer-



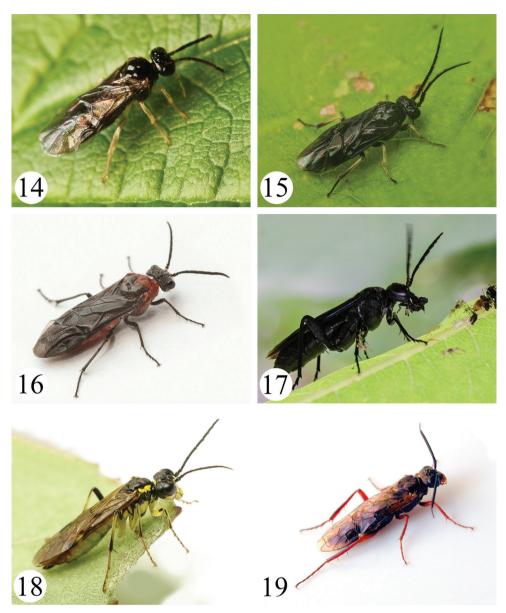
**Figures 2–7.** Sawfly adults **2** *Syntexis libocedrii* (Anaxyelidae), Oregon, USA (photo by N. Schiff) **3** *Phylloecus trimaculatus* (Cephidae), Joliette, QC, Canada **4** *Orussus occidentalis* (Orussidae), Ottawa, ON, Canada **5** *Acantholyda erythrocephala* (Pamphiliidae), Ottawa, ON, Canada **6** *Tremex columba* (Siricidae), Lake Manitou, ON, Canada **7** *Xiphydria abdominalis* (Xiphydriidae), Ottawa, ON, Canada.

tainty for several reasons. First, there are four species of *Tenthredo* Linnaeus that have been omitted because of unpublished research by the senior author that indicates that they are junior synonyms. The species are: *Tenthredo bivittata* Kincaid, *T. harrimani* Kincaid, *T. retroversa* MacGillivray and *T. rusticula* MacGillivray. It is noted here that several other



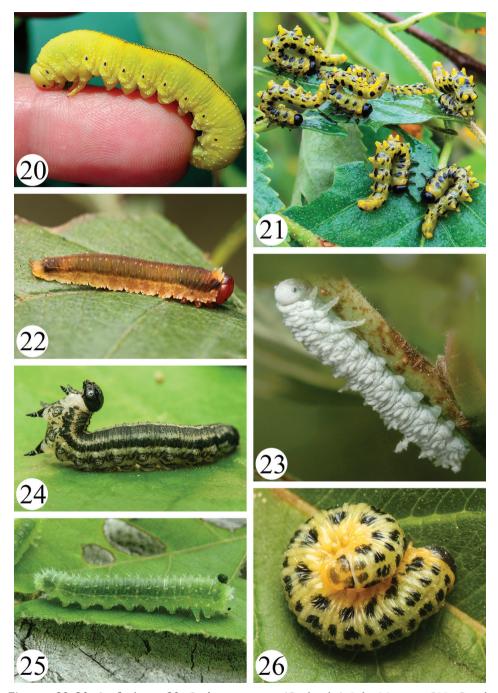
Figures 8–13. Sawfly adults 8 Arge sp. (Argidae), Ottawa, ON, Canada 9 Trichiosoma triangulum (Cimbicidae), Matagami, QC, Canada 10 Diprion similis (Diprionidae), Lake Manitou, ON, Canada 11 Acordulecera dorsalis (Pergidae), Antrim, New Jersey, USA (photo by T. Murray) 12 Ametastegia pallipes (Tenthredinidae: Allantinae), Manitoulin Island, ON, Canada 13 Eutomostethus ephippium (Tenthredinidae: Blennocampinae), Ottawa, ON, Canada.

species of *Tenthredo* recorded from Canada are also of questionable validity or uncertain status and so are omitted from the checklist as well, pending further study. These are: *T. mutans* Norton, *T. nigricostata* Provancher, *T. pallicola* MacGillivray, *T. pectoralis* Norton, *T. redimacula* MacGillivray, *T. tricolor* (Norton) and *T. varians* Norton. Second, it is likely



Figures 14–19. Sawfly adults 14 Metallus capitalis (Tenthredinidae: Heterarthrinae), Driftwood Prov. Park, ON, Canada 15 Cladius pallipes, Manitoulin Island, ON, Canada 16 Dolerus (Achaetoprion) sp. (Tenthredinidae: Selandriinae), Manitoulin Island, ON, Canada 17 Lagium atroviolaceum (Tenthredinidae: Tenthredininae) feeding on aphids (Hemiptera: Aphididae), Gore Bay, ON, Canada 18 Tenthredo pleuralis (Tenthredinidae: Tenthredininae), St. Anthony, NF, Canada 19 Macroxyela ferruginea (Xyelidae), Maryland, USA (photo by S. Schulmeister).

that some of the 20 species of *Euura* listed only from Alaska are invalid; however, these species are included in the checklist since we currently have no evidence of their invalid status. Third, the number of species of *Neodiprion* Rohwer in Alaska is likely higher than



Figures 20–26. Sawfly larvae 20 *Cimbex americanus* (Cimbicidae) Lake Manitou, ON, Canada 21 *Nematus* (= *Craesus*) *latitarsus* (Tenthredinidae: Nematinae), Vancouver, BC, Canada 22 *Dimorphopteryx* sp. (Tenthredinidae: Allantinae) Driftwood Prov. Park, ON, Canada 23 *Eriocampa ovata* (Tenthredinidae: Allantinae) St. Andrew's, NF, Canada 24 *Neodiprion nanulus* (Diprionidae) Ottawa, ON, Canada 25 *Eupareophora parca* (Tenthredinidae: Blennocampinae) Ottawa, ON, Canada 26 *Macremphytus testaceus* (Tenthredinidae: Allantinae) Ottawa, ON, Canada.

the two listed in Table 2: *N. abietis* (Harris) and *N. tsugae* Middleton, but confirmation of the identity of other species was not possible prior to submission of the manuscript.

The summary of the entomofauna of Greenland (Vilhelmsen 2015) included records from three genera of Tenthredinidae; however, one of these (*Ametastegia* Costa) was only recorded at genus level and therefore is not included in the current list, and the other two (*Amauronematus* Konow and *Pachynematus* Konow) are now both synonyms of *Euura*. Vilhelmsen (2015) recorded five species (not including *Ametastegia* sp.) and noted three more recorded by Henriksen (1939) that could not be substantiated by specimens. Of these three, we include *Euura* (=*Amauronematus*) *borealis* (Marlatt) in our list based on the male holotype at the Academy of Natural Sciences, Philadelphia (Fox 1892). We omit the other two – *Cladius grandis* (Serville) and *Euura* (=*Amauronematus*) *viduata* (Zetterstedt) pending discovery of supporting specimens. We do include one additional species, not included in Vilhelmsen (2015): *Euura* (=*Pachynematus*) *parvilabris* (Thomson) based on the record in Smith (1979a). Apart from being recorded from Greenland, the latter species is the northernmost sawfly collected in the world (from Ward Hunt Island, Nunavut, Canada: 83°05'N) (Benson 1962).

Fourteen species have been reported from Saint Pierre and Miguelon (Gargominy et al. 2020) as follows: Pamphiliidae: Onycholyda luteicornis (Norton); Siricidae: Urocerus albicornis (Fabricius), U. flavicornis (Fabricius); Cimbicidae: Abia fasciata (Linnaeus); Diprionidae: Neodiprion abietis; Tenthredinidae: Allantus cinctus (Linnaeus), Caliroa cerasi (Linnaeus), Cladius simplicornis Norton, Dolerus nitens Zaddach, Euura ribesii (Scopoli), Pachyprotasis rapae (Linnaeus), Pristiphora erichsonii (Hartig), P. geniculata (Hartig) and Tenthredo piceocincta (Norton). It is noted that the record of *Urocerus flavicornis* was listed in the TAXREF online database as *U. gigas* (Linnaeus), without noting subspecies. North American specimens previously identified as *U. gigas* flavicornis are now considered a distinct species (Schiff et al. 2012). It is possible that specimens from Saint Pierre and Miquelon belong to *U. gigas gigas* but this is currently considered to occur in the Palaearctic region only. Despite not being able to examine specimens from Saint Pierre and Miguelon, all records are credible. All of these species are known from the island of Newfoundland except *Caliroa cerasi* (recorded from QC) and Euura ribesii and Cladius simplicornis (both recorded from NS). Considering that 94 species of sawflies are known from the island of Newfoundland (Table 1), more species are expected to occur in the collectivity.

In terms of species richness of sawflies by distributional area, the political region in our checklist with the highest recorded number of species of sawflies is Ontario (471: 62.1% of 758 species), followed by Quebec (411: 54.2%) and British Columbia (308, 40.6%) (Fig. 1 and Table 1). The greater relative species richness in these areas is certainly strongly influenced by higher sampling effort compared to more northern or central regions. Despite this southern bias, sawflies are well-represented in northern regions, at least in the northwest (Alaska, Yukon Territory and the Northwest Territories) with 183, 92 and 111 species, respectively. These numbers represent 24.1%, 12.1% and 14.6% of the total sawfly species recorded in northern North America (Fig. 1). As a comparison, Chalcidoidea is a more southern group with 9.1%, 5.5% and 6.3% of the total species recorded in the same three regions (Huber et al. 2021).

In total, 69 new species records of sawflies are reported for Canada, which represents 9.5% of the total number of described species recorded in the country. The number of new Canadian species records by family is summarized in Table 1 (in parentheses following the Canada totals). The checklist includes five new generic records for Canada: *Calameuta* Konow and *Trachelus* Jurine (Cephidae), *Pseudosiobla* Ashmead and *Setabara* Ross (Tenthredinidae) and *Xyelecia* Ross (Xyelidae). There are 29 new species records for Alaska (15.8% of the 183 species recorded) and seven new generic records: *Xiphydria* Latreille (Xiphydriidae) and six genera of Tenthredinidae (*Ardis* Konow, *Eutomostethus* Enslin, *Eriocampa* Hartig, *Lagonis* Ross, *Monophadnoides* Ashmead and *Monophadnus* Hartig). All families in our checklist were previously recorded from Canada. Xiphydriidae is newly recorded from Alaska. There were no new records for Greenland.

Some species of sawflies recorded in northern North America are known to have been accidentally introduced to the Nearctic since European colonization. These are indicated in Table 2 by a § following the author and year of publication. In some cases, it is unclear whether species have been introduced in recent times (the last 500 years) or whether they have a historical Holarctic distribution. Only species for which there is good evidence of recent, accidental introduction are considered introduced. Of the 758 total species in northern North America, 64 (8.4%) are considered as introduced. This figure may be slightly lower than the actual number of introduced species because of difficulty assessing whether species are historically Holarctic or recently introduced, especially in some of the large, relatively poorly known genera such as Euura, Nematus and Pristiphora. Overall, introduced species are known from 8 of the 12 families: Argidae (2 species), Cephidae (2), Cimbicidae (2), Diprionidae (4), Pamphiliidae (1), Siricidae (2), Tenthredinidae (50) and Xiphydriidae (1). Of note, within Tenthredinidae, the subfamily Heterarthrinae has a relatively high percentage of introduced species: 13 of 37 (35.1%), presumably because this group has leaf-mining larvae (Smith 1971b) that often occur unnoticed in plant material transported by humans.

It is certain that additional sampling in northern North America will increase the number of recorded sawfly species by discovery of new species, as well as detection of southern Nearctic and Palaearctic species that have previously gone unnoticed. Almost all of the undiscovered diversity will be in Tenthredinidae. Based on DNA barcode data, and using the Barcode Index Number (BIN) criterion of Ratnasingham and Hebert (2013) that 2% sequence divergence was indicative of species differences, Bennett et al. (2019) found that the number of BINs of sawflies in Canada in the BOLD database was lower than the number of recorded species in all families except Siricidae (25 BINs compared to 20 species) and Cimbicidae (15 BINs versus 8 species). The number of BINs of Tenthredinidae in Canada (528) was nearly equal to the number of species they recorded (532); however, they predicted that more than 200 additional species of Tenthredinidae were present in Canada. This prediction has been supported by a recent Nearctic review of two species groups of *Tenthredo* (30 species) which included description of 13 new species of which 9 are present in northern North America (Goulet 2020). It has been noted in other studies that the

use of DNA barcodes in sawflies works well in many groups, but can be a poor estimate of species diversity in others (Schmidt et al. 2017 for sawflies in general, Prous et al. 2017, 2020 for *Pristiphora* and *Empria* Lepeletier and Serville, respectively). Therefore, a great deal more collecting and taxonomic research is required before we are able to make a more informed estimate of the total number of sawflies in northern North America. It is hoped that this checklist will provide baseline distributional data that will facilitate these much-needed studies.

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