

*Revised 2018 June 20*

The “taxonomy” used in this Index is alphabetical within each taxon, and makes no attempt to represent phylogeny. In spite of my decision to do this, I had to make several taxonomic decisions. For example, what names to give to the several lycaenids whose names seem to change with every book that is published? To what families should the “woolly bears” and tiger moths be assigned? Are the Satyridae and Thyatiridae families in their own right, or should they be subsumed in a larger Nymphalidae and Drepanidae? What species names shall I give to our *Coenonympha* and *Celastrina*? In order to complete the Index in the small finite time available to me I allocated not more than about two seconds to each such question (rather shorter than it would have taken to toss a coin), and made each decision with all the authority of an untutored amateur. Thus there will be several places where viewers do not agree with the chosen names – but that is usual in all natural history taxonomies anyway.

At about the same time that this site was being erected, the moth superfamily Noctuoidea was being extensively revised by Lafontaine and Schmidt in their Annotated check list of the Noctuoidea (Insecta, Lepidoptera) of North America north of Mexico, *ZooKeys* 40: 1–239 (2010). I have recently re-organized the Index to take account of this new taxonomy. The details of this revision are described at the bottom of this Index. In order to ease the transition from the old taxonomy to the new, I have included subfamilies within the new Erebidae, maintaining the principle of alphabetical order described at the beginning of the previous paragraph. Readers will notice that the once familiar families Arctiidae and Lymantriidae, as well as some of the old Noctuidae, are now part of Erebidae. *Nola* has been moved out of Noctuidae to its own family, Nolidae.

There are doubtless many ways in which the Index could be improved. For example I have not listed or cross-referenced alternative nomenclatures, nor have I listed English names, and I have not included animals mentioned in the site but not photographed. Apart from disagreements over the taxonomy (which are not really “mistakes”), there are doubtless several mistakes in the Index, and I would be glad if viewers who notice any mistakes to inform me ([jtatum@uvic.ca](mailto:jtatum@uvic.ca)) so that they can be corrected. I would be particularly glad to be notified of any dates that are wrongly listed. Also any spelling mistakes, or such disastrous mistakes as my having inadvertently listed some butterfly in the Malacostraca or a beetle in the Hymenoptera. We have tried to be as accurate as possible in the identifications of the animals, but, if you believe that we have made any mistakes in the identifications, please get in touch with me. There are several photographs of unidentified insects. You will be able to find these if you ask your computer to “Find” the word “unidentified” or the abbreviation “sp.”. If you think you can help with the identifications of these, please do let me know.

The fonts that I have used for the several taxonomic layers are **CLASS**  
**SUBCLASS** **Order** FAMILY SUBFAMILY *Genus species*. Subfamilies are used only within the moth family Erebidae, in order to try to ease the transition from the old noctuid taxonomy to the new.

Dates in the Index are given in the order year month day.

## USING THE INDEX

This note is written to help you use the Index. It is a little tricky, but after a few goes you may get used to it!

Suppose you want to find a photograph of a particular butterfly or other invertebrate, you have to know its scientific name, because all of the creatures are listed by scientific name. Thus, suppose that you are looking for a photograph of the Western Pine Elfin, you have to know its scientific name, which you may know as *Callophrys eryphon*.

Near the left hand side of the Index, you'll find a small window that says "Search Document". Type in there the species name eryphon, and click. (You needn't use italics.) I advise against typing the whole name *Callophrys eryphon*. Invertebrates are often moved by the taxonomists from one genus to another. Indeed in this Index the Western Pine Elfin is listed as *Incisalia eryphon*. Your search will fail if you type *Callophrys eryphon*, but it will succeed if you just type eryphon.

Having found *Incisalia eryphon*, you will find a list of dates under which this species appears. Make a note of the date(s) that you wish to look at, and then go back to the Invertebrate Alert site.

The snag now is that you don't know on which page to find the entry for the date that you want.

There are two procedures. If the date you are searching for is November 2014 or earlier, go to the bottom of the page. There you will find a list of pages, 1 to 9 and finishing at Next. Click on the largest number (just to the left of Next). At the time of writing this number is 164, but it will probably be larger by the time you read this. When you have done that, you will find yourself at June-July 2014. Go to the bottom of the page, and near the bottom you will find a list of months, which you can click on, and your search will soon be over.

If the date you are searching for is later than November 2014 your search is going to be a little trickier. Let's suppose that we wish to find the image of *eryphon* on 16 April 08. (This is written in the order year, month, day.) We have no idea which page it is on, and at the time of writing there are 164 pages. Let's make a wild guess and we'll try and find page 50. Here's a quick way of finding page 50:

Near to top of the Invert Alert page you will find [www.vicnhs.bc.ca/?cat=8](http://www.vicnhs.bc.ca/?cat=8)

Between ? and cat type paged=50& and then click This will take you to page 50, which is for 2017 January 31. You have got to go much further to reach 2016 April 08.

Let's try page 75. Go to the top of the page and change paged=50& to paged=75&

This takes you to 2016 June 14. You've still got a little way to go. It's actually on page 88.

'Fraid this is a bit of a rigmarole, but it's the best we can manage at present. It'll be hard the first time you try it, but after a few goes you may get used to it! If we find a better way sometime, we'll implement it.

## ARACHNIDA

### Acari

In this Index, **This Font** generally means an Order, and for the purposes of this Index we shall treat **Acari** as an Order. However, in current classifications, Acari is probably better treated as a Subclass, within which there are several Orders, which have not yet settled down. If I get a moment one day, I may try and sort the animals below into their new Orders. The animals included in **Acari** are the mites and ticks.

#### ACARIDAE

*Tyrophagus* sp. 18Jan02;

#### ANYSTIDAE

*Anystis* sp. 15Jun16;

#### BDELLIDAE

*Neomoligus littoralis* 17Jan31;

#### ERIOPHYIDAE

*Aceria genistae* 17Mar18;

#### ERYTHRACARIDAE

Unidentified 18Jan08;

#### ERYTHRAEIDAE

Unidentified 10Jul27

#### GAMASIDAE

*Poecilochirus* sp.16Jun14;

#### IXODIDAE

*Ixodes* (probably *auritulus*) 10Jul14;  
*Ixodes pacificus* 14Apr11; 17Apr11; 17Apr18;18Jan22;18Feb27;18Mar11;

#### TROMBIDIIDAE

Unidentified 17Apr18;

Unidentified marine mesostigmatan 18Apr11;

### Araneae

#### AGELENIDAE

*Eratigena agrestis* 17Nov02; 18Jan08;  
*Eratigena atrica*;15Sep06; 15Sep18; 16Feb05;16Dec02;16Dec30; 17May07;17Aug09;

#### AMAUROBIIDAE

*Callobius severua* 16Nov09;  
*Callobius* sp. 11Jun20;

#### ANTRODIAETIDAE

*Antrodiaetus pacificus* 14Nov01; 15Sep06;15Oct09; 17Mar24;

#### ANYPHAENIDAE

*Anyphaena* sp. 14May08;

#### ARANEIDAE

*Araneus diadematus* 11Aug01; 12Nov16; 13May19; 15Aug12;15Sep23;15Nov11;  
 16May16;16Jun17;16Jul23;16Aug29; 16Sep21; 16Sep25; 16Oct05;  
 16Nov02; 17May07; 17May26;17Aug11;  
*Araneus saevus* 17Sep20;18Mar21;  
*Araneus trifolium* 15Aug17; 15Sep13;  
*Araniella displicata* 17May01; 17Jun04;  
*Cyclosa conica* 17Apr22;

#### CLUBIONIDAE

*Clubiona* sp. 17Apr06;

#### CYBAEIDAE

*Cybaeus signifer* 16Oct25;

#### DYSDERIDAE

*Dysdera crocata* 17May31;17Nov02;

#### GNAPHOSIDAE

*Scotophaeus blackwalli* 14Oct28; 15Aug13;15Oct13; 16Apr07; 16May08; 16Aug02;  
*Sergiolus columbianus* 17Apr11;

*Sergiolus* sp. 17Jun14;

#### LYCOSIDAE

*Alopecosa kochi* 14Feb14; 17May15;

*Arctosa perita* 10Apr23;

*Pardosa vancouveri* 14Apr03; 16Mar19; 17Mar29; 17Apr10; 17Apr13; 17Apr18;

*Pardosa* sp. 15Nov11; 16Feb16;

#### LYNIPHIIDAE

*Nerienne* sp. 16Apr20;

*Prolinyphia* sp. 11Jun08

Unidentified 17Apr17; 18Jan08;

#### OXYOPIDAE

*Oxyopes scalaris*; 18Apr10;

#### PHILODROMIDAE

*Philodromus dispar* 10May26; 14May12; 16Feb22; 16May06; 16May24;

*Philodromus rufus* 16Dec02;

*Philodromus oblongus* 14Apr24;

*Philodromus* sp. 17Mar28;

#### PHRUROLITHIDAE

*Phrurotimpus borealis* 17Jul27;

#### PISAURIDAE

*Dolomedes triton* 10Mar24; 12May01;

#### PHOLCIDAE

*Pholcus phalangioides* 15Feb17; 16Aug02;

#### SALTICIDAE

*Eris militaris* 10May26; 14May01;

*Evarcha prozyskii* 16Apr13; 16Apr22; 17Apr30; 17Aug03;

*Metaphidippus manni* 10Jun28; 18May21;

*Pelegrina aeneola* 18Apr28;

*Phanias albeolus* 18Apr07;

*Phidippus borealis* 10Apr16; 10Apr14

*Phidippus johnsoni* 13Jun03; 13Jun18; 15Apr30; 15Aug21; 15Aug27; 16May30; 16Oct11;

17May23; 18May25;

*Phidippus purpuratus* 18May08;

*Platycryptus californicus* 16Mar28; 16Jul25; 17May08; 17May26;

*Salticus scenicus* 10Jul09; 11Apr19; 16May19; 17Apr12; 17Apr12; 17May19; 17May26;

17Aug27; 17Oct21;

Unidentified 10Jul08; 11Apr09; 11Apr19; 13Jun03; 14May13; 16May04; 16Nov02;

17Apr27;  
Unidentified dendryphantine 13Aug27;

#### TETRAGNATHIDAE

*Tetragnatha versicolor* 16Apr26;  
*Tetragnatha* sp. 13May15; 14Apr20;

#### THOMISIDAE

*Bassaniana utahensis* 16Apr16;  
*Coriarachne brunneipes* 16Apr16;  
*Habronattus americanus* 17Jul27;  
*Mecaphesa* sp. 17Jul27;  
*Misumena vatia* 10Jul11; 13Apr07; 15Jun05; 15Jun07; 15Aug12; 16Apr24; 16Jun06;  
16Sep21; 17Jun14; 17Jul05; 17Jul30;  
*Xysticus cristatus* 15Sep19; 18Jan08;  
*Xysticus* sp. 14Apr11;  
Unidentified 13May12;

#### THERIDIIDAE

*Latrodectus hesperus* 14Sep27; 16Jan12; 18Jan04;  
*Parasteatoda tepidariorum* 17Feb24;  
*Steatoda grossa* 16Jan06; 17Jun26; 17Sep23; 18Feb06;  
*Theridion* sp. 15Jun22;

### Opiliones

#### PHALANGIIDAE

*Phalangium opilio* 11Aug26; 16May04; 16Jun27; 17Jun08;

#### SCLEROSOMATIDAE

*Leiobunum* sp. 17Feb07;

Unidentified 12Nov04;

### Pseudoscorpiones

Unidentified 12Sep27; 17Apr18; 17May24;

### CHILOPODA

#### Geophilomorpha

#### GEOPHILIDAE

Unidentified centipede 13Feb12;

### CLITELLATA

**Haplotaxida**

## LUMBRICIDAE

*Lumbricus terrestris* 15Feb09; 17Mar07;

Unidentified 18Jan05;

**DIPLOPODA****Polydesmida**

## POLYDESMIDAE

*Scytonotus* sp. 18Apr07;

Unidentified 17Jan31;

## XYSTODESMIDAE

*Harpaphe haydeniana* 11May16; 14May14; 15May15; 15Jul29; 17Apr18;

Unidentified 15Oct03; 15Oct27;

**ENOPLEA****Mermithida**

## MERMITHIDAE

Unidentified 18Apr10;

**ENTOGNATHA****COLLEMBOLA****Entomobryomorpha**

## ENTOMOBRYIDAE

*Entomobrya intermedia* 16Oct12;*Pogonognathallus bidentatus* 17Dec08;

## TOMOCERIDAE

Unidentified tomocerinine 18Apr07;

**Poduromorpha**

## NEANURIDAE

*Morulodes serratus* 17Dec08;

## ONYCHIURIDAE

*Hymenaphorura cocklei* 18Jan16;

## **Symphyleona**

### DICYRTOMIDAE

*Ptenothrix maculosa* 16Apr12;16Dec01;17Apr25;

*Ptenothrix* sp. 18Jan16;

### KATIANNIDAE

*Sminthurinus elegans* 18Jan16;

*Vesicephalus occidentalis* 17Dec08; 18Jan16;

Unidentified springtail 16Sep13; 16Dec01;

## **ZYGENTOMA**

### **Thysanura**

#### LEPISMATIDAE

*Ctenolepisma longicaudata* 12Oct09; 13Dec08;14Nov01;17Jan01;17Jan08;18Jan26;

*Thermobia domestica* 10Sep17; 11Apr24; 12July07; 13Jan03;14Nov01;15Nov28;

17Jan06;17Jan08;18Feb24;

## **GASTROPODA**

### **Pulmonata**

“**Pulmonata**” is treated as an Order (terrestrial slugs and snails) for the purposes of this Index. This may not agree with all modern classifications.)

#### ANADENIIDAE

*Prophysaon andersonii* 14Oct01; 16Sep11;

*Prophysaon foliolatum* 16Sep25; 18Feb11;

#### ARIONIDAE

*Ariolimax columbianus* 10Jul03; 12Oct21; 13Mar27;15Sep01; 16Sep25;

*Arion rufus* 12Sep19; 13Jul03;

*Arion subfuscus* 14Oct15;

*Hemphillia dromedarius* 18May07;

#### BRADYBAENIDAE

*Monadenia fidelis* 10Jun15; 12Jun18; 14May12; 15Mar30; 16Jun24; 16Sep08;16Oct18;

17Apr09;



## CIONELLIDAE

*Cochilocopa lubrica* 16Mar28;

## DAUBEBAIIDAE

*Oxychilus alliarius* 16Mar15;

*Oxychilus draparnaudi* 16Nov09;

## HAPLOTREMATIDAE

*Haplotrema vancouverense* 17Mar19;

## HELICIDAE

*Cepaea nemoralis* 11May19; 12Oct16; 12Oct21; 14May12; 15Mar28; 15Apr19;  
15May26; 16Apr14; 17Jun01; 17Jun16;

*Cornu aspersum* 10Jul08; 13Feb12;

## LIMACIDAE

*Lehmannia valentina* 17Jun23;

*Limax maximus* 11Sep29; 14Nov01; 15Aug16;

## PRISTILOMATIDAE

*Pristiloma arcticum* 18Jan21;

## POLYGYRIDAE

*Cryptomastix germana* 13Apr02;

*Vespericola columbianus* 16Sep13;

## PUPILLIDAE

*Lauria cylindracea* 18Jan08;

## VERTIGINIDAE

*Vertigo* sp. 15Mar23; 16May03; 16Sep28; 16Oct16; 16Nov02; 17Feb20;

Unidentified 17Mar12;

## INSECTA

### Coleoptera

## AGYRIDAE

*Necrophilus hydrophiloides* 18Jan08;

## ATELLABIDAE

*Merhynchites bicolor* 11Jun08; 15May13; 15May23;

## BOTHRIDERIDAE

*Oxylaemus validus*

## BUPESTRIDAE

*Agrilus* (perhaps *burkei*) 15May24;

*Bupestris aurulenta* 10Jun22; 12Jul12; 15Jun05; 16Apr01; 16May23; 16May24;  
16Aug01; 17Jun19; 18Apr13;

Unidentified 17Jun26;

## BYTURIDAE

*Byturus unicolor* 15May13;

## CANTHARIDAE

*Dichelotarsus melvillei* 15Jun06;

*Podabrus cavicollis* 17Jul05;

*Podabrus* sp. 11May16; 13May01; 16May31;

*Rhagonycha fulva* 11Jul27;

*Silis* sp. 16Apr22;

Unidentified 11May21

## CARABIDAE

*Amara* sp. 11May20; 15Aug28;

*Carabus granulatus* 13Jun03; 15May31;

*Carabus nemoralis* 13Feb12;

*Cicindela oregona* 10Apr23; 11Apr24; 12May01; 16May19; 18Apr25;

*Cicindela tranquebarica* 16May03;

*Elaphrus* sp. 11May21;

*Omus dejeanii* 15May01; 17Jul27;

*Pterostichus algidus* 16Feb12; 17May09; 17Nov02;

*Pterostichus melanarius* 11May20;

*Pterostichus* sp. 17May22;

*Scaphinotus angusticollis* 15Nov01;

Unidentified 10Apr23; 11May21; 13Jun03;

## CERAMBYCIDAE

*Anoplodera pubera* 16Jul19;

*Centrodera spurca* 16May31;

*Cosmosalia chrysocoma* 10Jul09; 17Jun20;

*Grammoptera subargentata* 10Jul10; 11Jun08

*Holopleura marginata* 15May13;

*Leptura obliterata* 10Aug18; 15Jul21; 16Jul15; 16Jul21; 17Aug20;

*Lepturobosca chrysocoma* 15Jun22; 16Jun09; 16Jun27; 16Sep20;

*Monochamus mutator* 17Jul31;

*Necydalis* sp. 15Jun29;

*Neoclytus conjunctus* 16May23;

*Pachyta armata* 15June17;

*Phymatodes* sp. 15Jun29;  
*Pidonia scripta* 15May27;  
*Plectrura spinicauda* 14Apr07; 16Mar28;18Feb05;  
*Prionus californius* 17Jul08;  
*Prionus* sp. 10Aug14; 13Jun01;15Jul03;  
*Rhagium inquisitor*16May05;  
*Rosalis funebris* 16Aug28;  
*Saperda calcarata* 13Jul07;  
*Strophiona laeta* 17Jul27;  
*Trichocnemis spiculatus* 17Aug02;  
*Xestoleptura crassicornis* 15Jun29; 15Jun30;15Jul25;  
*Xylotrechus longitarsus* 11Oct28  
*Xylotrechus nauticus* 10Jul31  
 Unidentified 11Jun13; 13Jun30; 13Jul03; 13Jul07; 15Jun22; 16May04;  
 LEPTURINAE  
 Unidentified15Jun08;

#### CHRYSOMELIDAE

*Altica* sp. 10Aug02;  
*Bruchidius villosis*16Jun09; 18Jun10;  
*Calligrapha californica* 14Jul20;  
*Chrysolina hyperici* 10Jun20; 16May24;  
*Donacia* sp. 14May13;  
*Plateumaris* sp. 15Nov22;  
*Pyrrhalta viburni* 13Jun09; 14May19;  
 Unidentified donaciine 16Jul19;  
 Unidentified 13May20; 14May01; 17Jun16;

#### CIIDAE

*Cis* sp. 17Apr03;  
*Hadraule blaisdelli* 17Sep23;

#### CLERIDAE

*Enoclerus eximius* 15Apr18; 16May05; 17Jun19;

#### COCCINELLIDAE

*Adalia bipunctata* 10May17; 11Jun13; 16Apr16;16Apr30; 16May25; 16Jun06; 16Sep26;  
 17Apr28;  
*Anatis rathvoni* 16Mar25;  
*Anisosticta bitriangularis* 16May05;  
*Calvia quatuordecimguttata*17May08;  
*Coccinella septempunctata* 10Jun30; 10Jul23; 15Sep28; 16Apr27; 16Jul03;17Mar15;  
 18May11;  
*Coccinella trifasciata* 10Jul19; 16May23;  
*Cycloneda polita* 18May14;  
*Harmonia axyridis* 10Jun14; 10Jun22; 10Jun28; 10Jun30; 10Jul08; 14May08;14Jun08;  
 15Oct11;16Apr19; 16Apr24;16Apr27;; 16May08; 16May30;

16June24; 16Jul06; 16Sep26; 17Apr29; 17May07; 17Aug30;  
*Hippodamia tredecimpunctata* 11May25; 14May13;  
*Myzia subvittata* 15Jul12; 15Jul22;  
*Psyllobora vigintimaculata* 15Aug14; 16Sep25; 16Oct01; 17Oct30;  
 Unidentified 13May21; 15Jul08;  
 Coccinellid ova 16Apr26;

#### CRYPTOPHAGIDAE

*Antherophagus ochraceus* 18May27;

#### CURCULIONIDAE

*Anthonomus eugenii* 17Oct21;  
*Ceutorhynchus obstrictus* 15May08;  
*Cryptorhynchus lapathi* 16May01;  
*Curculio* sp. 18Jun12;  
*Hylurgops rugipennis*  
*Mecinus janthinus* 10Jun28;  
*Mecinus pyrastrer* 15May05;  
*Otiorhynchus singularis* 10May26; 15Mar31; 16Apr12; 17May29; 18Apr11;  
*Otiorhynchus sulcatus* 10Sep25; 15Aug12;  
*Rhyncolus brunneus* 15Mar16;  
*Sciaphilus asperatus* 10Jun25  
*Sitona hispidulus* 17Sep28;  
*Trachyphloeus bifoveolatus* 15Feb17;  
*Xyleborus* sp. 15Mar16;  
 Unidentified 13Aug27; 14May08;

#### DERMESTIDAE

*Anthrenus verbasci* 12Feb18; 13Jan31; 16Mar19; 17May 31;

#### DYTISCIDAE

*Dytiscus* sp. 15Jul31;  
 Unidentified 15May17;

#### ELATERIDAE

*Agriotes lineatus* 11May22; 17May27;  
*Alaus melanops* 16Jun09;  
*Athous scissus* 15Jun30;  
*Cardiophorus* sp. 16May23;  
*Megapenthes* sp. 15Aug12;  
*Selatosomus suckleyi* 15Apr22; 17May07;  
*Selatosomus festivus* 18May14;  
*Selatosomus* sp. 15Sep08;  
 Unidentified 10Aug02; 11Jun06; 16Apr13;  
 Unidentified Dendrometrinae – Prosternini

## EROTYLIDAE

*Cryptophilus integer* 15Jul03;

## EUCINETIDAE

*Nycteus infumatus* 15Mar16;

## GEOTRUPIDAE

*Odonteus obesus* 17Aug02;

## HETEROCELIDAE

Unidentified 16April22;

## HISTERIDAE

*Hister militaris* 16Apr18;

*Margarinotus purpurascens*

Unidentified 10Aug05

## LAMPYRIDAE

*Ellychnia hatchi* 11Mar03; 17May07;

*Ellychnia* sp. 15May27; 15Jun07; 18May25;

## LATRIDIIDAE

*Cartodere bifasciata* 15Apr23;

*Enicmus fictus* 15May24;

*Melanophthalma* sp 15Mar17;

## LUCANIDAE

*Platycerus oregonensis* 15May13;

*Sinodendron rugosum* 17Jun02;

## LYCIDAE

*Dictyopterus simplicipes* 14Apr07;

*Punicealis hamata* 18Apr19 18Apr18;;

## MELYRIDAE

*Endeodes collaris* 15Apr15;

## MELANDRYIDAE

*Prothalpia holmbergi* 15Jun06;

## MELYRIDAE

*Listrus* sp. 17Apr21;

## MORDELLIDAE

Unidentified 10Jul23

## NITIDULIDAE

*Crytarcha ampla* 15Jun30; 16April22;  
*Eपुरaea* sp. 15May05;  
*Glischrochilus quadrigatus* 15May24  
*Glischrochilus siepmanni* 18Apr28;

## OEDEMERIDAE

*Ditylus quadricollis* 16Jun05;

## PTILIIDAE

*Ptenidium* sp. 15Jun06;  
 Unidentified sp. 15May13;

## PTINIDAE

*Vrilletta decorata*.15Apr20;

## RHYSODIDAE

*Clinidium calcaratum*

## SCARABAEIDAE

*Dichelonyx* sp. 18Jun12;  
*Polyphylla crinita* 11Jul28; 13Jul01; 13Jul10;15Jun25;17Jan21; 17Jul05;  
*Polyphylla* sp. 10Jul20;  
*Serica* sp. 18Jun12;  
 Unidentified 16Dec01;

## SCIRTIDAE

*Herthania cincinna*18Apr28;

## SILPHIDAE

*Nicrophorus defodiens* 11Sep22;16Jun14;  
*Nicrophorus* sp. 16Sep25;  
*Thanatophilus lapponicus* 16Nov14;

## STAPHYLINIDAE

*Anthobium* sp. 15Dec21;  
*Diaulota fulviventris* 18Apr24;  
*Liparocephalus* sp. 18Apr24;  
*Megarthus pictus* 15Jun14;  
*Rugilis orbiculatus* 15Mar16;  
*Sonoma* sp. 15May24;

## TENEBRIONIDAE

*Helops laetus* 16May01;  
*Helops* sp. 17Sep18;

*Isomira comstocki* 15Jul11;  
*Uloma longula* 15Aug12;

#### THORASCIDAE

*Aulonothroscus validus* 15May13;

#### ZOPHERIDAE

*Phellopsis porcata* 15Mar16; 17Jul27;

Unidentified beetle 13Jun11;

### Dermaptera

#### FORFICULIDAE

*Forficula auricularia* 13Nov01; 17May29;

### Diptera

#### ANTHOMYIIDAE

*Anthomyia procellaris* 15Apr29;  
*Anthomyia* sp. 15Apr17; 16Aug03;  
 Unidentified 15Oct04; 16May19;

#### ASILIDAE

*Eudioctria sackeni* 16Jul26;  
*Laphria asturina* 16May06; 17Jun26; 17Jul04; 17Sep28;  
*Laphria fernaldi* 12Jun21; 17Aug06;  
*Laphria ferox* 16Jul27;  
*Laphria ventralis* 15Aug03; 16Jul06;  
*Laphria* sp. 16Aug02;  
*Neomochtherus willistoni* 12Aug10; 17Aug03;  
*Nicocles canadensis* 16Apr22; 17Apr 28;  
*Nicocles rufus* 15May12;  
*Nicocles* sp. 13May30;  
*Stenopogon inquinatus* 17Aug07;  
*Scleropogon* (perhaps *bradleyi*) 10Jul22  
 Unidentified 10Jul20; 11Aug26; 11Sep11

#### BIBIONIDAE

*Bibio* sp. 10Apr19; 14Apr07; 15Apr02;

#### BOMBYLIIDAE

*Anthrax* sp. 15Jul29; 16Jun02; 16June29; 16Jul03;

*Bombylius major* 15Apr15;16Apr15;16Apr29; 17Apr28; 18Apr21; 18May06;  
*Bombylius* sp. 17Apr25; 17Apr30;  
*Hemipenthes morio* 10Jul10;  
*Systoechus oreas* 16Jul04;  
*Systoechus* sp. 10Jul20;  
*Villa* sp. 10Aug07; 10Aug27; 15Aug03; 16Aug01;  
 Unidentified 10Jun01; 10Jun22; 11Apr19; 14Apr03;

#### CALLIPHORIDAE

*Calliphora vomitoria* 12Oct05; 16May19;  
*Calliphora* sp. 11Mar26  
*Lucilia* sp. 10Jul21; 11Jun01; 14Sep01; 15Sep04;16Apr28; 16May27;16Jun03; 16Jul25;  
*Pollenia* sp. 11Mar20; 17Mar04;17Mar07;  
 Unidentified 12Oct02;

#### CHIRONOMIDAE

Unidentified 13May01; 14Feb01; 16Nov30;17Mar27; 17May07; 18Apr10; 18Apr28;

#### CLUSIIDAE

*Clusia occidentalis*

#### COELOPIDAE

*Coelopa* sp. 11Mar20;  
 Unidentified 18Apr15;

#### CONOPIDAE

*Myopa* sp. 10Apr01; 10May30; 17Apr27;

#### CULICIDAE

Unidentified 16Apr01; 17Jun10;

#### DOLICHOPODIDAE

*Condylostylus* sp. 10Jun28  
*Dolichopus* sp. 11Jun13; 18May27;  
 Unidentified 10Jul17; 10Jul21;15Jun08;

#### DRYOMIZIDAE

*Dryomyza anilis* 17Oct24;  
*Oedoparena glauca* 16Mar21;

#### EMPIDIDAE

*Hybos* sp.?  
 Unidentified 14May08;

#### LAUXANIIDAE

Unidentified 16Jul11; 16Jul23;



## MUSCIDAE

*Helina* sp. 14May08;15Oct25;  
*Phaonia atriceps* 17Mar30;  
*Phaonia rufiventris* 15Apr16;  
*Phaonia* sp. 17May13;

## MYCETOPHILIDAE

Unidentified 18Jan21;

## PELECORHYNCHIDAE

*Pseudoerinna jonesi* 10Aug08

## PSYCHODIDAE

*Clogmia albipunctata* 15Sept24;  
Unidentified 12Sep19;

## RHAGIONIDAE

*Chrysopilus* sp. 11Jun13; 15Jun29;  
*Rhagio* sp. 11Jun13; 15Jun29; 17Aug07;  
Unidentified 13Jun11;

## SARCOPHAGIDAE

*Sarcophaga* sp. 15Apr28;17May 31;

## SCATHOPHAGIDAE

*Scathophaga stercoraria* 10Apr19; 11Mar26; 11May30; 12Apr09; 14May01;

## SCIARIDAE

*Bradysia* sp. 18Apr07;

## SCIOMYZIDAE

*Sepeda americana* 17Apr10;  
Unidentified 14May13; 16Sep21;

## SEPSIDAE

Unidentified 11Jun06

## STRATIOMYIDAE

*Chloromyia* sp. 12Oct21;  
*Exaireta spinigera* 16Nov10;  
*Sargus decorus* 16Oct04;  
Unident. 16May30; 16Jun03;

## SYRPHIDAE

*Cheilosia* sp. 15Aug14;

*Chrysotoxum* sp. 17May22;  
*Criorrhina nigripes* 16Feb26;  
*Criorrhina* sp. 14May01;  
*Eristalinus aeneus* 16Jun04;17Apr13;  
*Eristalis arbustorum* 10Aug27  
*Eristalis tenax* 10Mar12; 10May26; 11Jun01;15Sep23; 16May30; 16Jun03; 17Feb14;  
 17Jun10; 17Oct21;  
*Eristalis* sp. 15Oct25; 17Jun04; 18Jun10;  
*Eupeodes americanus* 10Mar12;  
*Eupeodes* sp. 10Jun17; 10Jul08; 11Jun06;15Apr21;  
*Helophilus* sp. 10Aug27  
*Megasyrphus laxus* 10Aug03;  
*Melanostoma mellinum*17Jul24;  
*Meliscaeva cinctella* 17Sep20;  
*Merodon equestris* 10Jun17; 14May14; 16May27; 17May24; 17Jun02; 17Jun03;  
*Myathropa florea* 16Jun30;  
*Orhonevra* sp. 10Jul10;  
*Polydontomyia curvipes* 17Sep20;  
*Scaeva pyrastris* 10May26;  
*Sericomyia chalcopyga*15Jun05; 17Apr27;18Mar13;  
*Sericomyia chrysotoxoides* 10Sep25  
*Sphaerophoria* sp. 10Aug18; 10Aug31; 17Jun01;  
*Syritta pipiens* 10Jul08; 16May30; 16Jul11;16Aug01;  
*Syrphus* sp. 16May23; 17Apr17;  
*Toxomerus* sp. 10Jul10  
*Xylota* sp. 10Jul19; 11Jun14  
 Unidentified 12Oct04; 12Oct16; 13Mar29; 13May14; 13Jun11; 13Jun30; 14Mar14;  
 14Apr03; 14Apr20; 14Apr24; 14May21; 15Apr29;15Sep28; 16Apr22; 16Jul15;  
 16Aug29; 17Apr25; 18May18;

#### TABANIDAE

*Chrysops* sp. 10Aug07;  
*Hybomitra* sp. 16May27;  
 Unidentified 10Jul17; 16Jul01;

#### TACHINIDAE

*Cylindromyia* sp. 10Aug31  
*Epalpus signifer* 15May24; 17Apr13; 17Apr18; 17May11; 18May01;  
*Graphogaster* sp. 15Aug14;  
*Phasia* sp.10Aug15  
*Tachina* sp. 10Aug31  
 Unidentified 10May04; 12Sep26; 12Oct02; 13Mar29; 15Mar04; 15Apr29; 15May17;\n  
 16Jun09; 16Jul11; 18Apr06; 18Jun10;

#### TEPHRITIDAE

*Rhagoletis basiola* 10Jul21; 15Jul21;

## THEREVIDAE

Unidentified 10Jul20

## TIPULIDAE

*Limonia nubeculosa* 17Oct29;

*Tipula paludosa* 16Apr29;

*Tipula* sp. 15Apr21; 15Jun01;

Unidentified 11May22; 12Sep08; 13Oct06; 13Nov22; 14Apr20; 14May01; 15Apr05;  
17Mar27; 17Jul24;

## TRICHOCERIDAE

Unidentified 17Mar20; 17Dec07;

## ULIDIIDAE

*Chaetopsis* sp. 10Jul21

Unidentified Dipteran 13Jun30;

**Ephemeroptera**

## BAETIDAE

*Callibaetis ferrugineus* 17May19;

*Callibaetis* sp. 14Apr20;

Unidentified 13Jun11;

**Hemiptera**

## ALEYRODIDAE

Unidentified 15Sep26;

## ACANTHOSOMATIDAE

*Elasmucha lateralis* 16Jul21;

## APHIDIDAE

*Eriosoma* sp.

*Prociphilus* sp.

Unidentified 16Sep20;

## BERYTIDAE

Unidentified 16Sep21; 18May04;

## CERCOPIDAE

*Philaenus spumarius* 10Jul08; 10Jul19; 16Apr30; 16Jul15;  
Unidentified 17Jun10;

#### CICADELLIDAE

*Colladonus montanus* 15May27;  
*Edwardsiana rosae* 16Nov01;  
*Hordnia atropunctata* 16Apr13; 17May07;  
Unidentified 16Jun03;

#### CICADIDAE

*Okanagana* sp. 12July28; 15June17; 16May25;  
*Platypedia areolata* 11Jul28;  
Unidentified 16Apr22;

#### CIXIIDAE

Unidentified 15Apr15;

#### COREIDAE

*Leptoglossus occidentalis* 10Mar12; 10Sep18; 12Oct05; 13Oct08; 14Sep27; 14Nov10;  
15Feb09; 15Aug16; 15Oct11; 16Sep23; 16Sep28; 16Oct10;  
16Oct11; 17Mar05; 17Aug31;

#### ERIOSOMATIDAE

*Eriosoma lanigerum* 12Oct06;

#### GERRIDAE

*Aquarius remigis* 18May27;  
*Gerris* sp. 10Mar24;

#### LYGAEIDAE

*Lygaeus kalmi*; 17May 31;

#### MEMBRACIDAE

*Platycotis vittata* 15Jul14; 16Oct03; 18Jun11;

#### MIRIDAE

*Lygus hesperus* 10Jul11;  
*Lygus* sp. 15Jul06;  
*Phytocoris* sp. 15Aug10;  
*Prepops bivittis* 10Aug07;  
*Stenotus binotatus* 17Jul27;  
Unidentified 13Jul01;

#### NEPIDAE

*Ranatra* sp. 17Jul27;  
Unidentified 11May22

## PENTATOMIDAE

*Brochymena affinis* 15Mar15;16Nov02;  
*Brochymena* sp. 15 Mar15; 15May05; 16Feb02;16Mar21; 16Oct28; 18Jun06;  
*Banasa dimiata* 10May26; 11Mar26; 14May01; 17Jun26;  
*Chlorochroa uhleri* 10May14  
*Chlorochroa* sp 10Aug31; 10Sep04; 11Jun01; 16Sep21;17Aug25;  
*Cosmopepla conspicillaris* 11Jun01;  
*Cosmopepla intergressa* 15Jul24;  
*Elasmostethus cruciatus* 10Jun25;16Dec01;  
*Euschistus conspersus* 10Aug31; 11Jun08; 14May01;  
*Neottiglossa undata* 10Jul19;  
*Thyanta pallidovirens*15Jun06;  
*Zicrona caerulea*15Apr29;  
 Unidentified13Aug27; 14May01;

## REDUVIIDAE

*Zelus tetracantha* 16Jun27;

## RHOPALIDAE

*Stictopleurus punctiventris* 10Sept 04

## SCUTELLARIDAE

*Eurygaster amerinda* 10Sep04  
*Eurygaster* sp. 16Apr24;

## Hymenoptera

## ANDRENIDAE

*Andrena* sp. 10Apr01; 10Apr23; 10Jul16; 10Jul20; 11Mar26; 15Mar31;17Apr04;  
 17Apr10; 17Apr16; 17April19; 17April20; 17Apr24;17May04; 17May08;

## APIDAE

*Anthophora* sp. 18Mar20;  
*Apis mellifera* 10Mar12; 13Mar 09; 14Mar14; 16Apr30;16May06;16Jul26; 16Jul31;  
 16Sep21;17Apr02;17Apr30; 17Jun05; 17Sep01;  
*Bombus centralis*16May25;  
*Bombus fervidus* 15Nov 5;16Apr20; 17Sep02; 18May16; 18May30;  
*Bombus flavifrons*18May16;  
*Bombus melanopygus* 15Oct28;17Mar26;17Apr12; 17Jun02; 17Jun03; 17Jun10;  
 17Jun14; 17Aug04; 18May16;  
*Bombus mixtus* 16Sep20; 17Jun03; 18May16;  
*Bombus occidentalis* 18Jun08;  
*Bombus sitkensis* 18May25;  
*Bombus ternarius* 11Mar26; 11Sep27; 13Mar10; 18May09;

*Bombus vosnesenskii* 13Oct07; 14Apr24; 14Apr28; 15Jun03;16Mar12; 16Jul07;  
 16Sep20; 17Apr20; 17Jun10; 17Aug30;18Apr18; 18May18; 18Jun08;  
*Bombus* sp. 11Sep27; 15Aug12; 16Apr08;16May21; 17May23; 17Jul27; 18Jun15;  
*Ceratina* sp. 16May01;16Jul31; 17Jun05; 17Aug17;  
*Eucera* sp. 14May13;  
*Habropoda* sp. 10Apr16;  
*Melissodes microsticta* 16Jun30; 16Jul08;  
*Melissodes* sp. 16Jun05; 16June28; 16Sep06;  
*Nomada* sp. 10Apr19; 16Apr08;17May01; 17May26; 17Jun12; 18Apr22;  
 Unidentified 10Mar22;15Jun22; 15Aug08; 15Aug16;15Aug28; 15Sep06; 16May11;  
 16May 12;  
 NOMADINAE Unidentified17Apr27; 17Jul03;

#### BRACONIDAE

*Atanycolus* sp. 16April22;  
 Unidentified 13May14;

#### CHRYSIDIDAE

*Chrysis* sp. 17Jul27;  
 Unidentified 10Jul16; 15Sep29;

#### CIMBICIDAE

*Cimbex americana* 15May25;15Aug10;  
*Trichiosoma triangulum* 12Jul08; 15Jul28; 16Apr08;16Jun18; 17Jun26; 17Jul27;  
*Zaraea* sp 10May14  
 Unidentified 17Apr01;

#### CRABRONIDAE

*Bembix americana* 10Jul12; 11Sep27; 16Jul07; 16Aug08; 17Aug07;  
*Bembix* sp. 15Aug13;17Jul27;  
*Crabro latipes* 10Aug04  
*Ectemnius* sp. 10Sep25;  
*Philanthus crabroniformis* 16Jul04;  
 Unidentified 17Jul27;

#### CYNIPIDAE

*Neuroterus saltatorius* 12Oct23;

#### FORMICIDAE

*Camponotus* sp. 15Apr21; 17Apr27; 17May24;  
*Formica* sp. 15Sep17; 16Sep20; 17Apr12; 17Apr27; 17May29;  
 Unidentified 12Sep08; 13May26; 15Aug12; 16Apr13; 16May10; 16Sep22; 16Sep23;

#### HALICTIDAE

*Agapostemon texanus* 16Aug08; 16Aug28;

*Agapostemon* sp. 11Sep27; 17Jun03; 17Jun09; 18May17;  
*Halictus rubicundus* 16Jul15; 16Jul28; 16Jul31;  
*Lasioglossum zonulum* 10Aug18  
*Lasioglossum* sp. 10Apr19; 11Mar26; 16Jul11; 16Jul17; 17Jun04; 17Sep01; 17Sep02;  
 Unidentified 16Sep21;

#### ICHNEUMONIDAE

*Ophion/Netelia*. 10Aug17; 15Mar08; 15Mar22; 15Jun19; 18Mar23;  
*Opheltes* sp. 15May21;  
*Pimpla* sp. 17Aug07; 17Sep03;  
*Rhyssa* sp. 15Jul06;  
 Unidentified 10Mar22; 10Aug06; 10Aug08; 10Aug15; 11Mar20; 11Jun14; 12Sep17;  
 13Apr23; 15Aug14; 16Sep21; 16Nov02; 17May08; 17Oct01;  
 ANOMALONINAE Unidentified 17Apr27;

#### MEGACHILIDAE

*Anthidium manicatum* 16Jul27;  
*Coelioxys* sp. 10Sep04; 16Jul12; 17Jun03; 17Jul27;  
*Dianthidium* sp. 16Jun30;  
*Megachile fidelis* 16Sep06;  
*Megachile melanophaea* 16Jul27;  
*Megachile perihirta* 15Jul28; 16Jul13; 16Jul20;  
*Megachile* sp. 10Oct01; 11Jul19; 13Jun08; 14Sep01; 16Jul10; 16Jul28;  
*Osmia lignaria* 10Jul08; 16Jul15; 17Apr04; 17Apr20;  
*Osmia* sp. 16Apr29; 16Jul25;  
 Unidentified 10Jul23; 15Sep04; 17Oct14;

#### MUTILLIDAE

*Dasymutilla* sp. 16Jul07;

#### POMPILIDAE

Unidentified 10Aug23; 16Sep21;

#### SIRICIDAE

*Urocerus albicornis* 16Jul06;

#### SPHECIDAE

*Ammophila* sp. 17Aug07;  
*Podalonia* sp. 10Apr23; 11Apr24;  
*Prionyx canadensis* 16May30;  
*Prionyx parkeri* 17Jul27;  
*Prionyx* sp. 11Sep27;  
*Sceliphron caementarium* 10Jul17; 11Jul19; 12Mar14; 16May19; 16Jul17;  
 Unidentified 13Mar05;

#### TENTHREDINIDAE

*Dolerus* sp. 16Apr22;

*Eriocampa ovata* 10Jun25  
*Eriocampoides limacina* 12Sep29;15Oct09;  
*Hemichroa crocea* 15Oct11; 17Aug28;  
*Nematus ribesii* 13May21;  
 Unidentified 11May22; 13May26; 16Apr13; 16Apr22;

#### TORYMIDAE

*Megastigmus spermotrophus* 15Apr27;

#### VESPIDAE

*Ancistrocerus albophaleratus* 16Sep05;  
*Ancistrocerus antilope* 10Jul08;  
*Ancistrocerus* sp. 16May05;  
*Dolichovespula arenaria* 16Oct25;  
*Dolichovespula maculata* 10Jul16;13Jun30;15Aug02;16Jul24;  
*Polistes dominula* 10Apr16; 10Jul17; 10Jul20; 14 Jul26;15Jun01; 15Jun22; 15Aug02;  
 15Aug03; 15Sep17;16May16; 17May31;17Jul24; 17Nov23;  
*Vespula alascensis* 11Sep27; 16Aug02;  
*Vespula germanica* 17Apr17;  
*Vespula maculata* 15May25;  
*Vespula pensylvanica* 10Apr16; 17Aug30;  
*Vespula* sp. 10Jul20; 11Jul14; 15Jul28; 16Sep21;16Sep22;  
 Unidentified eumenine 10 Jun17; 10Sep04;  
 Unidentified hymenopteran 12Oct17; 15June17;15Jul29;16Mar06;  
 Unidentified wasp 16Apr17;

### Lepidoptera

#### ALUCITIDAE

*Alucita montana*; 13Aug30; 13Sep02; 14May05;16Feb17; 16Jul23; 16Sep25;17Feb20;  
 17Feb24; 17Aug27; 18Apr25;

#### AUTOSTICHIDAE

*Oegoconia novimundi* 17Mar01;

#### CHOREUTIDAE

*Choreutis diana* 10Oct 01  
*Choreutis pariana* 10Oct01; 14Sep18; 14Sep31;

#### COSMOPTERYGIDAE

*Sorhagenia nimbosea* 14Jul22;

#### CRAMBIDAE

*Anania hortulata* 15May15;17Jul03;  
*Chrysoteuchia topiaria* 10Aug23; 12Jun25;12Jul05;  
*Crambus* sp. 12Sep17;  
*Eudonia* sp. 15Sep08; 18Jun14;



*Herpetogramma pertextalis* 10Jun23; 11Jul23; 15Jun29;  
*Herpetogramma thestealis* 12Jul19;  
*Loxostege cereralis* 16Aug29; 17Sep12;  
*Nomophila nearctica* 13Sep28; 15Sep08;  
*Pyrausta californicalis* 15Jul11;  
*Pyrausta perrubralis* 16Jul07;  
*Scoparia* sp. 18Jun14;  
*Udea profundalis* 10Aug15; 12Sep07; 13June09; 13Aug30; 14May19; 15Jun19;  
 15Aug29; 16Apr17; 16May16; 16Sep08;  
 Unidentified 16Sep05;

#### DEPRESSARIIDAE

*Agonopterix alstroemeriana* 11Apr05; 11Jun15; 11Jul01;  
*Agonopterix fusciterminella* 16Apr13;  
*Agonopterix nervosa* 13Nov13; 13Nov22;  
*Agonopterix oregonensis* 17Apr23;  
*Agonopteris* sp. 18Apr03;  
*Depressaria pastinacella* 13June09;  
*Semioscopus* sp. 16Mar25;

#### DREPANIDAE

*Ceranemota fasciata* 13Oct06; 15Oct11; 15Oct12; 16Sep22; 17Oct10;  
*Drepana arcuata* 14Aug29; 15Jul11; 18Jun14;  
*Drepana* sp. 16Oct24;  
*Euthyatira pudens* 11Jun21; 12Apr 10; 12Jun25; 13Mar29; 13Jun17; 14Mar28; 14May05;  
 18Jun13;  
*Habrosyne scripta* 11Sep17; 14Aug12; 16Sep25;  
*Pseudothyatira cymatophoroides* 16Oct18;

#### EREBIDAE

##### ARCTIINAE

*Arctia caja* 18Jun13; 18Jun14;  
*Cisseps flavicollis* 14Sep18;  
*Clemensia albata* 17Jul24;  
*Grammia complicata* 12Jun15;  
*Hyphantria cunea* 16Sep08; 16Sep11; 17Jun07; 18May25;  
*Leptarctia californiae* 16May24;  
*Lophocampa argentata* 10Apr19; 10Apr27; 10Aug08; 11Aug02; 12Jul03; 12Sep03;  
 13Apr02; 13Jun29; 13Jul30; 13Oct07; 14May01; 15Apr07; 15Apr09; 15Jun24; 16Jul21;  
 17Mar24; 17May07; 17May16; 17May20; 17Jun26; 17June29;  
 18Feb26; 18Apr22; 18May10; 18May14; 18May28; 18Jun03; 18Jun04;  
*Lophocampa maculata* 11Oct17; 12May12; 12Aug23; 12Sep26; 12Oct09; 13May28;  
 13Jun24; 13Aug27; 13Sep06; 13Sep07; 14Jun01; 14Aug06; 14Aug25; 14Sep01;  
 14Sep05; 15May07; 15Jun09; 15Aug15; 15Aug16; 15Aug21; 15Sep02; 15Sep06;  
 16May08; 16Aug01; 16Aug28; 16Sep11; 16Sep28; 17Sep01;  
 17Sep04; 17Sep07; 17Sep16; 17Sep27; 18May19; 18May19; 18May30;  
 18Jun14;

*Lophocampa roseata* 11Nov12; 12Oct12; 14Oct22;15Jul22; 15Sep10; 16May01;  
17Oct04;  
*Neoarctia brucei* 14Sep07; 14Sep13;  
*Pyrrharctia isabella* 10May25; 10Nov13; 11Oct19; 12Feb04; 12May25; 12Oct10;  
12Oct16; 12Oct20; 12Oct24; 13Oct11; 14Feb01; 14Sep27; 14Oct15;  
15Oct03; 17Oct21;  
*Spilosoma virginica* 10Sep17; 10Sep30; 11Apr05; 11May30; 12Aug02; 12Aug20;  
12Oct20; 13Apr28; 13 May 10; 14Jun30; 14Aug25; 14Aug29;  
14Sep01; 14Sep05; 14Sep10; 15May23; 15Aug02; 15Aug15;  
15Aug26; 15Sep04; 15Sep10; 15Oct05;15Oct17; 16May08;  
16Sep14; 16Sep28; 17Aug28; 18May21;  
*Tyria jacobaeae* 10Jul30; 12Jun17; 12Jun18; 13Jul24; 14May23; 15May30; 15Jun23;  
15Jul26; 16May23; 17May23; 18May23; 18May23; 18Jun08;  
Unknown woolly bear 17Aug18; 17Aug20; 17Aug24;

#### EREBINAE

*Catocala aholibah* 12Sep12; 13Mar20; 13May21; 13May28; 13Jun27; 13Oct07;  
16May06;16Sep06; 17May24; 17May25; 18May18; 18May25;

*Catocala allusa* 14Aug22;

*Catocala briseis* 16Jul04;

*Catocala relictata* 24Sept12;

*Catocala unijuga*15Aug16;

*Catocala* sp. 10Jul20; 14Sep18; 17Sep13;

*Caenurgina erechtea/crassiuscula* 13Jul25;

*Cissusa indiscreta* 14May01;18Apr09; 18Apr12; 18Apr25;

*Drasteria divergens.* 16Jun01; 16Jun05;

*Euclidia arditata* 14Jun08;15May17; 16May08;

*Zale lunata* 14Sep23; 17Aug28; 17Aug30; 17Sep02; 17Sep07; 17Sep11; 17Sep28;

#### HERMINIINAE

*Idia americalis* 2015Jun09;

#### HYPENINAE

*Hypena californica* 11Apr05; 11Jun08; 14Mar08; 14Apr03; 15Mar14;15Feb18;  
16Apr14; 16Apr29;16May16; 18Jan18;

*Hypena decorata* 11May03; 12Apr23; 14Mar28; 14Apr07;15Mar01;16Apr07;

*Hypena humuli*15May12;

*Hypena* sp. 11May23; 12Aug25; 14Aug19; 14Sep10;

#### LYMANTRIINAE

*Leucoma salicis* 10May28; 10Jun15; 10Jun30; 12Jun17; 12Jun29; 13May27; 13Jun18;  
17May31; 17Jun01; 17Jun19;18Jun03; 18Jun07;

*Orgyia antiqua* 12Aug19; 13Jul31;15Mar08; 15Jul29; 16Sep22; 17Feb24; 17Jun09;  
17Aug03; 17Aug18;

*Orgyia pseudotsugata* 17Sep21;

## SCOLIOPTERYGINAE

*Scoliopteryx libatrix* 13Jun22; 13Jul13; 14Jun01; 15Mar21; 16Jun19; 16Jul09; 17Apr17;

## GELECHIIDAE

*Athrips rancidella* 12June17;  
*Chionodes mediofuscella* 17Apr03;  
*Chionodes trichostola* 13Aug27;  
*Chionodes* sp. 12Dec03; 13Jan06;  
*Gelechia panella* 15Sep08;  
*Telphusa sedulitella* 14Mar06; 18Apr09;

## GEOMETRIDAE

*Anavitrinella pampinaria* 18May19;  
*Anticlea vasiliata* 14Mar28; 15Mar19; 15Apr22;  
*Archiearis infans* 12Apr11; 13Apr16; 14Apr15; 15Mar08;  
*Biston betularia* 11Oct13; 12Sep18; 15Oct01; 16Oct24; 17Sep11; 17Sep22; 18May05;  
 18May19;  
*Cabera erythemaria* 18May23;  
*Campaea perlata* 10Jul30; 13May27; 14May01; 14May29; 14Aug06; 16May15; 17Jul30;  
*Caripeta aequiliaria* 14Aug03; 15Jul26; 17Jul30;  
*Chlorosea banksaria* 11Aug02; 12Jul15;  
*Cladara limitaria* 15Apr24; 17Apr01; 17Apr26; 17May08; 18Apr12;  
*Coryphista meadii* 13Aug27; 14Mar01; 14Apr03; 15Mar31; 15Apr26; 15May02;  
 15Aug23; 16Feb05; 16Apr12; 16Apr18; 16Apr21; 16May06; 16May07;  
 16May19; 16Nov30; 17Jul23; 17Oct03;  
*Cyclophora dataria* 14Apr20; 16Apr07; 16Sep19; 17May07; 17May15; 17Jul08; 17Jul11;  
 18May24;  
*Cyclophora pendulinaria* 13May12;  
*Digrammia muscariata* 16May04; 16Jun11;  
*Drepanulatrix monicaria* 14Oct10; 15Mar16; 15Jul05; 17Oct06; 17Oct15; 17Oct29;  
*Drepanulatrix secundaria* 13Aug24; 13Oct06; 13Oct08; 13Oct10; 13Nov10; 14Apr15;  
*Drepanulatrix* sp. 15Feb17; 17Oct21;  
*Dysstroma citrata* 13Oct25; 17Jul26; 17Oct06; 17Oct10; 17Oct21; 18Jun19;  
*Dysstroma sobria* 11Apr20; 11Apr30;  
*Ectropis crepuscularia* 12Aug17;  
*Enchoria lacteata* 13Mar28; 15Mar08; 16Mar13; 18Mar19;  
*Ennomos magnaria* 12Sep18; 12Oct02; 13Oct04; 15Oct11; 17Aug27; 17Sep01;  
 17Sep30; 17Oct04;  
*Enypia packardata* 13Jun16; 15Jun09; 16May25;  
*Enypia venata* 12Aug09; 13Sep13;  
*Epirrhoe plebeculata* 11Apr06; 13Apr02; 15Mar04; 16Mar31; 16Apr20; 17Apr28;  
 18Mar13; 18Mar30; 18Apr26;  
*Epirrita autumnata* 13Oct10; 14Sep07; 14Oct20; 16Nov12; 17Oct29; 17Nov8; 17Nov10;  
 17Nov18;  
*Erannis "vancouverensis"* 11Jun09; 12May28; 12Nov21; 13May18; 13May20; 13Jun01;  
 13Nov04; 13Nov05; 13Nov07; 13Nov 29; 13Dec 23; 14May08; 14May21;  
 14Nov01; 14Nov06; 15May12; 15May15;

*Eulithis destinata* 12Oct06;  
*Eulithis xyliina* 12May14; 12Jun08; 13May26; 13Jun24; 14May14; 14May29; 14Jul06;  
 14Jul10;  
*Eupithecia annulata* 14Apr07; 15Feb09; 15Mar09; 15Mar15; 15Mar21; 15May27;  
 17Apr08; 17Apr19; 18Feb07; 18Mar08; 18Apr25;  
*Eupithecia cretacea* 15Jun03;  
*Eupithecia gilvipennata* 12Apr09; 13Mar30; 15Mar20; 15Mar 22; 18Apr12;  
*Eupithecia graefii* 14Apr07; 15Feb24; 16Apr11; 17Sep16; 17Sep27; 18Apr12;  
*Eupithecia maestosa*; 13Aug23;  
*Eupithecia misturata* 18May29; 18Jun13; 18Jun14;  
*Eupithecia mutata/rotundopuncta* 11Jun23; 14May19; 15May10;  
*Eupithecia olivacea* 12Apr02; 15Mar08;  
*Eupithecia ornata* 11Jul26  
*Eupithecia ravocostaliata* 11Apr05; 12Apr02; 14Mar18; 14Apr03; 15Mar28; 16Apr12;  
 17Apr08; 18Apr10; 18Apr12; 18Apr12; 18Apr25;  
*Eupithecia satyrata* 16Jun08;  
*Eupithecia unicolor* 15Jun14; 15Jun23; 17Aug26;  
*Eupithecia* sp. 11Aug26; 12Apr02; 12Apr02; 14Mar08; 14Mar 24; 14Mar28; 15Feb07;  
 15Feb09; 17Aug12; 18May25;  
*Eurrhyncha hortulana* 14Jun30;  
*Gabriola dyari* 15Jun19;  
*Hemithea aestivaria* 11May26; 11Jun20; 11Jul16; 12Jul05; 12Sep29; 13May27;  
 13Jun19; 13Jun24; 14May14; 14Jun03; 15Jun19; 15Jul08;  
 16May06; 16May21; 16Jun10; 16Jun11; 16Aug03; 17Apr17;  
 17May16; 17Jul05; 18May19; 18May27; 18Jun04; 18Jun20;  
*Hesperumia latipennis* 10Apr07; 10May11; 15Jun30;  
*Hydrelia albifera* 10Sep18; 12Aug20;  
*Hydriomena albifasciata* 17Mar29;  
*Hydriomena californiata* 17Apr25; 18May21; 18May30;  
*Hydriomena furcata* 16Sep08;  
*Hydriomena irata* 10Apr06;  
*Hydriomena manzanita* 10Mar03; 13Mar30; 13Apr14; 14Mar10; 14Mar 24; 16Mar31;  
 17Mar29; 17Apr08; 17Apr26; 18Feb11; 18Mar11; 18Apr09;  
 18Apr12; 18Apr20; 18Apr25;  
*Hydriomena marinata* 16Apr24; 18May21; 18May30; 18Jun14;  
*Hydriomena nevadae* 17Jul30;  
*Hydriomena nubilofasciata* 14Jan24; 14Jan 25; 14Mar02; 14Mar08; 14Jan26; 15Feb09;  
 16Feb21; 17Mar19; 18Feb07; 18Feb15; 18Mar05; 18Mar11;  
*Hydriomena* sp. 14May12; 17Jun01;  
*Idaea dimidiata* 11Aug26; 13Aug23; 16Jun14; 16June28; 17Jul26;  
*Iridopsis emasculata* 11Sep28; 12May17; 18Jun14;  
*Lambdina fiscellaria* 11Sep13; 13Oct04; 14Sep05; 17Aug31;  
*Leptostales rubromarginaria* 15May04; 16Apr29; 16May01; 17May25;  
*Lomographa semiclarata* 18May07;  
*Macaria signaria* 13Jul14;  
*Melanolophia imitata* 10Apr06; 14May12; 17Apr14; 17Apr26; 17May23; 17Jul02;

18Apr20; 18Apr21; 18Apr25;  
*Mesoleuca gratulata* 10Mar22; 10Apr20; 11Apr14; 11May03; 12Apr15; 13Mar28;  
 13Apr16; 14Apr11; 14Apr15; 15Apr10; 16Apr04; 16Apr11; 16May16; 16May23;  
 17May06; 18May06;  
*Metanema inatormaria* 11Aug02;  
*Metarrhantis duaria* 14May19; 15May22; 18May19;  
*Neoterpes trianguliferata* 18May26;  
*Nematocampa resistaria* 11Jun25; 17Jul30;  
*Nemoria unitaria* 11Aug02  
*Neocalcis californiaria* 10Apr07; 10June04; 10Jul11; 10Aug23; 11May10; 11Aug26  
 11Sep10; 12Jul27; 12Aug01; 12Sep18; 13Jul26;  
 14Aug25; 14Sep13; 15Apr02; 15Aug29; 16Aug03; 16Oct01;  
 17May13; 17May29; 17Jul26; 17Jul30; 17Aug25; 17Aug26;  
 17Sep01; 17Sep02; 17Sep04; 17Sep07; 17Sep13; 17Sep26;  
 17Sep27; 18Apr03;  
*Nepytia phantasmaria* 14Sep23; 17Sep16;  
*Operophtera bruceata* 11Dec30; 12Dec08; 12Dec09; 13Nov29; 17Dec01; 17Dec15;  
*Operophtera brumata* 10Apr21; 10Nov13; 11Oct29; 11Dec02; 12Nov04; 12Nov06;  
 12Nov17; 12Nov26; 12Dec03; 12Dec06; 13Nov04; 13Nov10;  
 13Nov22; 13Nov29; 13Nov30; 14Feb01; 14Nov10; 14Nov28;  
 14Dec04; 15Nov01; 15Nov23; 16Oct20; 16Nov30; 16Dec11;  
 17May18; 17Nov04; 17Nov05; 17Nov11; 17Nov18; 17Nov19;  
 17Nov26; 17Dec01; 17Dec18; 17Dec20; 18Jan11;  
*Operophtera danbyi* 12Dec08; 18Jan17;  
*Operophtera* sp. 16Nov24; 16Dec01;  
*Perizoma costiguttata* 17Aug06; 17Aug06;  
*Perizoma curvilinea* 15Apr05; 15May10; 16Apr18; 17Apr26; 17Jul30; 18May03;  
 18May19; 18May21; 18Jun14;  
*Pero behrensaria* 18May21;  
*Pero mizon* 12Apr30; 12Jun09; 14Aug16;  
*Pasiphila rectangularata* 13Jun12; 15Jun19; 17Jun05; 17Jul04;  
*Phigalia plumogeraria* 14Jan19; 14Feb11; 14Mar08; 14Mar10; 14Mar14; 15Feb07;  
*Philedia punctomaculata* 13Nov13; 17Sep22;  
*Plagodis pulveraria* 18May21;  
*Plemyra georgii* 14Jul14; 17Aug06; 17Sep16; 17Oct15;  
*Protitame matilda* 17Jul04;  
*Protoboarmia porcelaria* 13Jul31;  
*Rheumaptera hastata* 15Jun08; 15Jun17; 15Jun22; 15Jun23; 16Apr18; 16Sep17;  
*Rheumaptera undulata* 14Aug22; 15May15; 15Jun14;  
*Sabulodes edwardsata* 14Jul03;  
*Sabulodes aegrotata* 18May21;  
*Scopula quinquelinearia* 17Jul31;  
*Selenia alcipheararia* 12Apr21; 18May21;  
*Sicya macularia* 10May06; 10Jun04; 12Aug01; 13May24; 13May31; 13Jun11; 15Jun23;  
*Spodolepis danbyi* 12Apr18; 15May05; 18Apr07;  
*Synchlora aerata* 15Aug16;

*Tetracis jubararia* 11Oct16; 12Oct10; 12Oct16; 13May26; 13Sep22; 13Oct06;14Sep15;  
14Oct15; 14Oct20;15Oct13; 16May17; 17Jun04;17Sep29;

*Tetracis pallulata* 13Oct06; 17Sep18;

*Tetracis* sp. 18Jun11;

*Thallopaga hyperborea* 17Apr14;

*Thallopaga taylorata* 15Mar19;16May08;

*Triphosa haesitata* 10Mar05; 11Apr25; 11Jul10; 11Aug02; 11Sep26; 13Jun23;  
13Aug30; 13Nov05;14Apr11; 15Jan20; 15May13; 15Aug16; 16Apr28;  
16May17; 16Jun08;17Mar24;17Sep10; 17Oct31;17Dec15;18Mar03;  
18Apr06; 18Apr17; 18Apr25;

*Venusia duodecemlineata* 13Apr07;

*Venusia obsoleta/pearsalli* 11Apr24; 14Mar10; 14Mar16; 14Mar28; 14Apr03; 17Apr26;  
18Mar29; 18Apr09; 18Apr12; 18May03; 18May19;

*Xanthorhoe defensaria* 13May29; 13Jun10; 14Mar28; 14Apr07; 14May12;14Jun08;  
14Sep01; 15Mar15;16Apr30; 17Jul31; 17Sep16; 17Sep21;  
17Sep27; 18May03;

*Xanthorhoe packardata* 14Jun08;

#### GLYPHIPTERIGIDAE

*Glyphipteryx bifasciata* 16Jul09;

*Diploschizia impigritella* 15Sep08;

#### GRACILLARIIDAE

*Gracillaria syringella* 10May17;15Jul12;

#### HEPIALIDAE

*Gazoryctra mathewi* 13Sep08;17Sep10;

#### HESPERIIDAE

*Amblyscirtes vialis*16May19;

*Carterocephalus palaemon* 13May27; 15Jun02; 15Jun05; 18May16;

*Erynnis persius* 13Jul03; 15Jun02; 15Jun05;

*Erynnis propertius* 10Apr15; 10Apr23; 10Apr23; 10May15; 10Jul02; 11Jun03; 12Apr17;  
13Apr28; 13May19; 14May01; 14May01; 14May16; 14May21;  
15Apr17; 16Apr28; 16May06; 16May10;16May 13;16Jun16;  
17May08; 17May13; 17May24; 17May26; 17Jun01; 18Apr22;  
18Apr25; 18Apr26;18May26; 18Jun01; 18Jun11; 18Jun15;

*Euphyes vestris* 10Jul17; 13Jul03; 14Aug12; 15Jun15;15Jun16; 15Jul03; 16Jun10;  
16June17;16Jun27;

*Hesperia comma* 14Aug06; 14Aug19; 15Jul20; 15Aug03; 16Jul30; 16Aug08;17Aug04;  
17Aug07; 17Aug15;17Aug23; 17Aug28;

*Ochlodes sylvanoides* 10Aug07; 10Aug17; 11Aug06; 11Aug29; 11Sep11; 12Aug06;  
12Aug08; 12Aug11; 13Jul27;14Aug03; 14Aug06; 14Aug22;  
15Jul14; 15Jul29; 15Aug04; 15Aug12; 15Aug16;15Aug18;  
15Sep04; 16Jul15; 16Jul17; 16Jul29; 16Aug28; 16Sep05;  
17Aug06; 17Aug07; 17Aug16;17Sep01;

*Pyrgus ruralis* 12May15; 13Apr22; 14May19;15Apr15; 16Apr29; 16May03; 16May11;  
 16May15; 16May19; 16Jun11; 16Oct08; 17May07; 17May29; 17Jun07;  
*Thymelicus lineola* 10Jun07; 10Jul09; 10Jul21; 10Jul23; 10Aug02; 11Jul05; 12Jul14;  
 13Jun02; 13June14; 13Jun20; 13Jun24; 13Jun29; 15Jun12; 15Jun25;  
 15Aug13; 16Jun07;16Jun20; 16Jul03; 16Jul07; 17Jun21;

#### INCURVARIIDAE

*Adela septentrionella* 15Apr15; 15May22; 16Apr20; 16May10; 17Jun04;18Jun07;  
*Adela trigrapha* 18Apr25;

#### LASIOCAMPIDAE

*Malacosoma californicum* 10May25; 10Jun15; 10Jun21; 11Jul16; 12Jun17; 12Jul01;  
 12Jul31; 13May01; 13Jun02; 13Jun30; 15May29; 16Apr29;  
 18Jun01;  
*Malacosoma disstria* 10May25; 10Jun18; 12Jun20; 13Jun30; 15May29; 16Apr29;  
 18Jun01;  
*Malacosoma* sp. 13Jun08;  
*Phyllodesma americana* 13Jun30; 13Jul27; 13Aug27; 14May05; 14May19; 14Sep13;  
 15Aug12;16Mar16; 17Sep03;  
*Tolyte distincta* 17Aug12; 17Sep01;  
 Unidentified 15Jul08;

#### LYCAENIDAE

*Agriades glandon*14Aug06; 15Jun16;  
*Celastrina echo* 10Mar26; 10Apr06; 10Apr21; 10Apr28; 10May04; 10Jun23; 10Jun29  
 10Jul03; 11Apr20; 11May03; 11May16; 11May31; 11Jun02; 11Jul12;  
 12Apr06; 12Apr15; 12Apr17; 12Jun26; 13Apr16; 13Apr22; 13Apr23;  
 13Apr25; 13May16; 13Jun02; 13Jun03;14Apr11; 14Apr15; 14May14;  
 15May04; 15May20;15May24;15Jun10; 16Mar31; 16Apr08; 16Apr18;  
 16Apr26; 16April27; 16Apr29; 16Apr30; 16May01; 16May10;  
 16May24; 16Jun05;16Jun11;16Jun15; 17Apr16;17May03; 17May08;  
 17Jun05; 18Apr10; 18Apr23; 18May03; 18May07; 18May18;  
*Everes amyntula* 13May01; 13May05; 13Jul22; 14Apr28; 14May01; 14May05; 16Apr20;  
 15May20; 15May24; 15Jun05;16Apr25; 16Apr30; 16May03;17May22;  
 17May26; 18May18;  
*Glaucopsyche lygdamus* 12Aug16; 13May01; 13Jun02; 13Jun11; 13Jul03; 13Jul09;  
 13Jul23;14May16;15May16; 15May18; 15Jun05; 15Jun19; 16May03; 16May06;  
 18May21;  
*Icaricia icarioides* 15Jun05;15Jul05; 16May24; 16May24; 16Jun06; 16Jun07; 16Jun10;  
*Incisalia eryphon* 11May25; 13Apr14;16Apr08; 16Apr18; 16Apr20;16Apr26; 16May03;  
 16May10; 16May11; 17Apr28; 17May06; 17May22; 17May26;  
*Incisalia iroides* 10Mar23; 10Mar26; 10May04; 10Jun08; 11May24; 13May01;  
 13May05; 14Apr11; 14Apr28; 14May05; 14May21; 15Apr08; 15May04;  
 15May30; 15Jun02; 15Jun03; 15Jun10; 15Jun27; 15Aug07; 16Feb26; 16Apr03;  
 16Apr11; 16Apr20; 16May03; 16May09; 16May11; 17April20; 17April21;  
 17Apr27; 17May06; 17May08; 17May26; 18May05; 18May07; 18May18;

*Incisalia mossii* 10Mar09; 12Apr23; 13Apr25; 14Apr03; 15Apr22; 15May22; 15Jun02;  
15Aug07; 16Apr01; 16Apr03; 16Apr08; 16Apr13; 16May08; 17Apr02;  
17Apr11; 17Apr13; 18Apr27;

*Loranthomitoura johnsohni* 16May11; 16May12; 16Jun04; 16Jun05; 18May07;

*Lycaeides anna* 12Aug 14; 13Jul14; 15Jun19; 15Jun21; 15Jun23; 15Jul18; 16Jul04;

*Lycaena helloides* 10June25; 12Aug14; 12Sep17; 13Jun08; 13Jun13; 13Jul14; 13Jul22;  
14May21; 14May29; 14Sep10; 15May20; 15Aug03; 15Aug08; 15Aug14;  
16Sep05; 16Sep14; 17Jun14; 17Jun22; 17Aug09; 17Aug14; 17Aug15;  
17Sep04; 17Sep11; 17Sep28; 18May16; 18Jun17; 18Jun18;

*Lycaena mariposa* 11Sep09; 12Aug20; 12Sep17; 13Jul22; 15Aug29; 16May25; 15Jul20;  
17Aug23;

*Mitoura rosneri* 10Jul25; 11Jun24; 11Jul03; 12Jun11; 13May02; 13Jun02; 13Jun03;  
14Jun03; 15Apr19; 15May05; 15May18; 15May24; 15May27; 15Jun02;  
15Aug26; 16Apr18; 16Apr26; 16May08; 16Jun07; 16June17;  
16Jul04; 17May10; 17May13; 17May23; 17May24; 17May26;  
17Jun05; 17Jun14; 17Jun21; 18May03; 18May17; 18May18;  
18May27; 18Jun17; 18Jun18;

*Satyrium sylvinum* 15Aug03; 15Aug15; 16June17; 16Jun27; 18May22;

*Strymon melinus* 12Sep12; 13Apr22; 13May05; 13May15; 14May12; 14May14; 15Jul30;  
14May19; 15Apr10; 15May20; 15Jun22; 15Jul03; 15Jul05; 15Jul06;  
15Aug04; 15Aug14; 15Aug20; 15Aug21; 16Apr02; 16Apr30; 16May10;  
16Jun10; 16June20; 16Jul25; 17May02; 17May26; 17Aug06; 18May16;  
18Jun08; 18Jun18;

## NOCTUIDAE

*Abrostola urentis* 15Jul29;

*Acerra normalis* 11Apr05; 15Mar27; 17Mar17; 18Apr09;

*Acronicta dactylina* 14Sep01; 15Aug01; 15Aug13; 15Sep13; 16May21; 16Oct05; 17Jul03;  
17Sep09; 18Jun14;

*Acronicta impleta* 17Sep02;

*Agrochola pulchella* 17Oct01;

*Agrochola purpurea* 14Sep27; 17Oct03; 17Oct10; 17Oct15;

*Agrotis ipsilon* 15Oct11;

*Agrotis obliqua* 18May19;

*Amphipyra tragopoginis* 16Aug02;

*Anarta farnhami* 14 Jul26;

*Anarta nigrolunata* 15Jun30;

*Apamea amputatrix*; 14Jul26; 15May26; 17Jul26;

*Apamea cinefacta* 15May15; 18May03;

*Apamea cogitata* 11Sep18;

*Apamea cuculliformis* 15May20;

*Apamea maxima* 14Aug16;

*Aseptis adnixa* 10Mar09; 10May08; 12Mar08; 12Mar12; 12Mar22; 12Apr15; 14Mar08;  
14Mar24; 14May05; 16Mar07; 18Apr03; 18Apr28; 18May06;

*Aseptis binotata* 10Apr21; 10May21; 17June14; 18May13; 18May17;

*Autographa californica* 13Apr07; 13May10; 13Jun09; 13Jun14; 13Sep21; 13Oct28;



14May14;14Aug09; 14Sep23; 14Oct10;14Oct15;14Oct20;15Jan05;  
 15Mar15; 15Jun30; 15Aug28; 15Sep10; 15Sep13; 15Sep26; 15Sep29;  
 15Sep30; 16Apr23; 16May17; 16Jul15;16Nov06;16Nov10;17May10;  
 17Aug20; 17Sep18; 17Oct06; 17Oct29;

*Autographa corusca* 11Aug02; 17Aug17;

*Behrensia conchiformis* 11Apr21; 13Apr07; 14Apr11;14Jun10;15Mar22; 15May05;  
 15Jun11; 15Jun15; 16Apr01; 16Apr18; 17Apr25;17May05;  
 18Apr12; 18Apr21; 18Apr25;

*Brachylomia populi* 17Aug29;

*Cerastis enigmatica* 13Mar30; 14Mar28; 14Apr03; 15Mar15; 18Apr07;

*Cosmia praeacuta* 12Aug18; 14Jul30;

*Cucullia florea* 14May23;

*Cucullia montanae* 10Aug07; 10Sep30; 14Sep10; 14Oct28;16Dec07;

*Cucullia postera* 13Sep23;

*Dargida procinctus* 10Jul22; 10Aug18; 13Apr28; 13Oct25; 14Jul22;17Sep21; 17Oct21;

*Dryotype opina* 13Oct07; 15Sep12; 17Sep22;

*Egira crucialis* 10Jun30; 12Apr21; 12Jun26; 13Mar17; 13Mar30; 13Jul11; 14Mar18;  
 14Sep13; 15May12; 17Apr26; 18Apr10; 18Apr12; 18Jun10;

*Egira curialis* 13Jun17; 13Jun20; 14Mar14; 14Mar16; 14Mar28; 14Apr11; 15Mar05;  
 15Mar08; 15Mar22;16Feb26; 16Mar19; 17Apr14; 17Jun10; 17Jun18;

*Egira cognata* 17Mar31;

*Egira hiemalis* 12Feb09; 13Mar26; 14Jan16; 14Jan21; 14Feb22; 14Mar 24; 15Feb06;  
 15Feb09; 15Feb17;16Jan21; 17Feb14; 18Feb08; 18Apr12;

*Egira perlubens* 16Apr27; 17Apr24; 18Apr07; 18Apr12; 18Apr28; 18May03;

*Egira rubrica* 11Apr14; 14Apr03; 16Apr09; 17Apr24;17Apr25; 18Apr12; 18Apr28;  
 18May03;

*Egira simplex* 12Apr21; 13Mar30; 14Apr03; 15May12; 18Apr09; 18Apr10; 18Apr12;  
 18Apr21;18May03; 18May03;

*Enargia decolor* 15May17; 15Jun07;

*Enargia infumata* 10Jul25; 14Jul03; 14Jul14; 14Aug06; 15Jun24; 16May01; 16May21;  
 16May30;

*Euplexis benesimilis* 17Sep02;

*Eupsilia tristigmata*14Mar18;16Oct03;

*Eurois astricta*16May24; 16Jun08;

*Eurois occulta*17Jun10;

*Euxoa auxiliaris* 14Sep05;

*Euxoa difformis* 17Aug31;

*Euxoa obeliscoides* 14Aug22;

*Euxoa perexcellens*17Aug29;

*Feralia comstocki*16Apr01; 16Apr12; 17Apr25; 18Apr25;

*Feralia deceptiva* 11Apr05; 14Mar28; 15Mar14; 16Mar10; 16Apr01; 17Mar29;  
 18Apr01; 18Apr09; 18Apr12; 18Apr20;

*Fishea discors*16Oct03; 17Sep29;

*Heliothis phloxiphaga* 14Aug22;14Sep23; 17Aug07;

*Homoglaea dives* 13Sep20; 18Feb11;

*Homorthodes communis* 14Sep15;

*Ipimorpha nanaimo* 14Aug03; 14Aug12;14Sep05; 17Sep01; 18May17;  
*Lacanobia subjuncta* 14Sep18;  
*Lacinipolia patalis* 14May29; 15May12;  
*Lacinipolia pensilis* 17Aug31; 17Sep22;  
*Lacinipolia strigicollis* 14Jul10;  
*Leucania dia* 17Jun25;  
*Leucania* sp. 15Jul02;  
*Litholomia napaea* 11May03;  
*Lithomoia germana* 14Oct04;  
*Lithophane amanda*14May16; 15May12;  
*Lithophane baileyi* 17Sep26; 17Oct29; 18Jan16;  
*Lithophane dilatocula* 16Apr28;  
*Lithophane georgii* 18Feb11; 18Mar11;  
*Lithophane innominata* 12Sep11; 14Mar18; 14Sep05; 18Apr20;  
*Lithophane pertorrída* 14Apr03; 14Sep23; 18Feb11;  
*Lithophane petulca* 13Apr07; 14Apr07; 18Apr22;  
*Lithomoia germana* 17Sep22;  
*Melanchra adjuncta*; 14 Jul26;  
*Mythimna unipuncta* 14Oct04;15Nov07; 17Sep10;17Oct31;17Nov10; 17Nov23;  
*Noctua comes* 10Apr23; 10May31; 14Jul22; 15Jun03; 15Aug06; 15Aug07;  
*Noctua pronuba* 10Apr27; 10May31; 10Jun30; 10Nov 18; 11Sep04; 11Sep27; 11Sep30;  
12Apr08; 12May30; 12Jun19; 13Feb12; 13Apr03; 13Jul30; 13Sep11; 14May29;  
14Jun30;14Sep23; 14Oct10;14Oct17; 14Nov06;15Mar22; 15May15;15May31; 15Jul19;  
15Sep19;15Oct02;15Nov16;16Mar09; 16May19; 16May23; 16May25;16Jun01;16Jul10;  
16Sep03;16Oct26;16Nov18;16Dec20;17Mar06; 17Mar24; 17Apr23;17May04;17May09;  
17Jun06; 17Jun14; 17Jul26; 17Aug28; 17Aug30; 17Sep07; 17Sep10; 17Sep15; 17Sep21;  
17Oct01; 17Oct21; 18Jan11; 18Apr20; 18Apr21; 18Apr23; 18May11;  
18May31;18Jun02;  
*Oligia divesta* 17Aug31; 17Sep01; 17Sep16;  
*Oncocnemis semicollaris* 15Jun12;  
*Orthosia ferrigera* 14Apr15;  
*Orthosia hibisci* 11Apr05; 13Mar30; 13May24; 13Jun18; 13Jun30; 14Mar10; 14Mar18;  
14Mar24; 14Mar28; 14Jun01; 15Feb17; 15Mar06; 15May19; 17Jun19; 18Apr07;  
18Apr09; 18Apr11; 18Apr21;  
*Orthosia mys* 14Oct22;15Oct11;  
*Orthosia pacifica* 13Mar30; 14Mar28;  
*Orthosia praeses* 11Apr05; 13Feb10; 14Mar01; 14Mar02; 14Mar08; 14Mar16; 14Mar18;  
15Mar14; 17Mar29; 18Jan15;18Feb17; 18Mar30; 18Apr01; 18Apr11;  
18Apr12; 18Apr20; 18Apr21;  
*Orthosia pulchella* 18Mar08; 18Apr06;  
*Orthosia transparens* 11Apr06; 11Apr24; 13Mar30; 16Apr12; 18Apr09; 18Apr21;  
*Panthea virginarius*15May12; 16Sep25; 17Jun24;17Jul30; 17Oct10;  
*Papaipema insulidens* 14Sep23;  
*Peridroma saucia* 14May16; 16Jul19;  
*Phlogophora periculosa* 11Sep06;15Jun14;  
*Pleromelloida cinerea* 14Sep23; 16Oct03; 17Sep16;

*Pleromelloida conserta* 12Apr08; 14Apr03; 15Mar27; 17Mar29; 18Apr09;  
*Polia nimbose* 11Apr24; 16Oct18;  
*Protodeltote albidula* 17Jul23;  
*Protorthodes rufula*;  
*Spiramater lutra* 18May19;  
*Sunira decipiens* 17Sep18;  
*Syngrapha viridisigma* 15Aug29;  
*Trichoplusia ni* 17Sep11; 17Sep28; 17Sep29; 17Oct01;  
*Ufeus satyricus* 17Mar13;  
*Xestia xanthographa* 14Aug22; 15Aug22; 17Sep15;  
*Xestia* sp. 17Sep18;  
*Xylena curvimacula* 15Mar27; 17Sep22;  
*Xylena nupera* 12Apr09; 14Mar10; 15Mar27;  
*Zothea tranquilla* 10June10; 10Jul05; 11Jul18; 12Jul08; 13Jun05; 13Jun27; 15May19;  
 Unidentified noctuid 12Aug20; 13Oct07; 15Aug29; 15Dec05;  
 Unidentified plusiine 11Apr24  
 Unidentified four caterpillars 16Oct04;

#### NOLIDAE

*Meganola minuscula* 14May16;  
*Nola minna* 11May03; 12Apr09; 14Apr27; 18Apr25;  
*Nycteola cinerea* 10Aug07; 14May16; 16Jun15; 16Jul13; 16Jul19;  
*Nycteola columbiana* 15May13;  
*Nycteola frigidana* 10Jul22; 10Jul23; 10Aug06; 13Jul17; 13Jul17; 15Jun09; 15Jun15;  
 15Jun25;

#### NOTODONTIDAE

*Furcula scolopendrina* 10Aug03; 10Aug13; 15Jul11;  
*Gluphisia severa* 14Apr03; 15Apr11; 16Apr16; 18May21;  
*Nadata gibbosa* 14Jun08; 15May24; 15Aug12; 15Sep10; 16May13; 16Sep20; 17June30;  
 17Aug29; 17Aug31; 17Sep14; 17Sep17; 18May21; 18Jun04;  
*Pheosia rimosa* 15Jul25; 17Sep20; 17Sep23; 18Apr20;  
*Schizura ipomoeae* 17Sep02; 18Jun14;  
*Schizura unicornis* 10Oct03; 12Aug12; 14Oct07; 17Sep11; 17Sep22;

#### NYMPHALIDAE

*Aglais milberti* 10Jul29; 13Apr23; 13Apr28; 13May01; 13May08; 13Jun02; 13Jun08;  
 13Jul03; 13Jul09; 13Jul22; 14Apr03; 15June17; 15Jun24; 15Jun30;  
 16May10; 16June28;  
*Boloria epithore* 11Sep09; 13Jul09; 13Jul23; 15June17; 15Jun19; 15Jun22; 15Jun23;  
 16Jun07; 16Jul04; 16Jul17; 17Jun25;  
*Cercyonis pegala* 11Sep10; 12Aug06; 12Aug22; 13Jul27; 15Jul20; 17Aug16;  
*Coenonympha tullia* 10Jun16; 10Jun22; 11Jun09; 12May28; 12Aug22; 13Jun01;  
 14May29; 15May13; 15Aug08; 15Aug13; 15Aug21; 16May10; 16May30;  
 16Jul30; 16Aug28; 16Sep05; 17May19; 17Jun05; 17Jun14; 18May16;  
 18May18; 18May23; 18Jun12; 18Jun19;

- Danaus plexippus* 11Aug11;  
*Euphydryas editha* 16May08; 16May19; 18May16;  
*Limenitis lorquini* 10May15; 10Jun01; 10Jun10; 10Jun17; 10Jul03; 10Aug10  
 11May24; 11Jul06; 11Aug02; 11Aug26; 12Jul05; 12Sep09;  
 12Sep14; 13May27; 13Jun08; 13Jun11; 13Jun12; 13Jul01;  
 13Jul03; 13Jul09; 14Apr11; 14Jun01; 14Jun03; 14Jun08;  
 15Mar25; 15May21; 15May29; 15Jun23; 15Jun26; 15Jun27;  
 15Jul18; 16May23; 16May30; 16Jun06; 16Jun07; 16Jun10;  
 16June22; 16Jul03; 16Jul05; 17Jun21; 17Aug06; 17Sep16;  
 18May30; 18May31; 18Jun01; 18Jun04; 18Jun05; 18Jun08; 18Jun11;  
 18Jun12; 18Jun14; 18Jun15; 18Jun19; 18Jun20;
- Morpho peleides* 14Sep18;  
*Nymphalis antiopa* 10Jun07; 11Jun12; 11Jul07; 12Apr20; 12Sep08; 13Mar27;  
 13Apr16; 13Apr22; 13Apr25; 13May01; 13May04; 13Jun01; 13Jun06;  
 13Sep13; 13Oct09; 14Feb28; 14Apr07; 14Apr11; 14Jun08; 16Mar28;  
 16Mar30; 16Mar31; 16Apr09; 16Apr30; 16Nov09; 18Apr23; 18Apr26;  
 18Apr27;
- Nymphalis californica* 10Mar26; 10Apr20; 13Apr05; 13Apr22; 15Apr10; 15Apr21;  
 15May04; 15May15; 16Mar05; 16Mar31; 16Apr21; 16Apr23;  
 16May16; 17Apr17; 17Apr30; 18Apr19; 18Apr22; 18Apr25;  
 18Apr27; 18May06;
- Oeneis nevadensis* 12Jul05; 12Jul10; 13Jul09; 15Jun19; 15Jul20; 16Jul17; 17Jul24;  
*Phyciodes mylitta* 10Aug07; 10Aug12; 12Jul26; 12Aug08; 12Sep17; 13Apr28; 13Jun01;  
 13Jun02; 13Jul28; 14May21; 15Jul03; 15Jul14; 15Aug03; 15Aug21;  
 15Sep03; 16Apr30; 16May08; 16May11; 16May19; 16Jun07; 17Jun29;  
 18May15;
- Phyciodes pratensis* 13Jun01; 15Jun11; 15Jun21; 17Jun07; 17Jun10; 17Jun11; 17Jun14;  
 17Jun20; 18May23; 18Jun19;
- Polygonia faunus* 12Apr11; 12Apr24; 12May14; 12Aug04; 13Apr02; 13Apr16;  
 13Apr22; 13May01; 13May30; 14Apr03; 14Apr11; 14Apr15;  
 14Apr20; 14Jul06; 15Feb25; 15May05; 16Apr02; 16Apr08;  
 16Apr26; 16May03; 17May24; 17May26; 17Aug28; 17Sep29;  
 18Apr20; 18Apr22; 18May07;
- Polygonia gracilis* 11Sep09; 12Sep08; 12Sep17; 13Apr14; 13Jul22; 14Jul17; 15Jun02;  
 15Jun05; 16May08; 16Jul17; 17May07; 17Jun25; 17Jun27;  
 17Aug23; 17Aug28; 17Sep06; 18May07; 18May13;
- Polygonia oreas* 12Oct05;  
*Polygonia satyrus* 10Apr06; 10Jun17; 10Jun21; 10Jul02; 10Jul14; 11Apr20  
 11Apr25; 11May31; 11Jun21; 11Jun25; 11Jul03; 11Jul22; 12Mar25;  
 12Mar27; 12Apr15; 12Apr17; 12Apr21; 12Jun20; 12Aug04; 12Sep03;  
 13Apr23; 13May30; 13May31; 13Jun01; 13Jun08; 13June15; 13Jun16;  
 14Mar28; 14Apr15; 14Jun01; 14Jul26; 14Jul30; 14Aug12; 15Feb15;  
 15Feb24; 15Mar10; 15May28; 15Jun08; 15Jul09; 16Apr29; 16Jun14;  
 16June21; 16Jul01; 17Apr21; 18Apr22; 18May21;
- Polygonia* sp. 12Aug19; 13Jul04; 16Jun04; 18Apr01;

*Speyeria hydaspes* 12Sep17; 12Oct05; 13Jun18; 13Jul03; 13Jul09; 15Jun21; 15Jul20;  
15Aug03; 15Aug14; 16June17; 18Jun17;

*Speyeria* sp. 15Jul08;

*Vanessa annabella* 13May20; 15May09; 15May10; 15May15; 15May19; 16May12;  
16May13; 16May16; 16June21; 17Jun16; 17Aug07; 17Oct29;

*Vanessa atalanta* 10Jul22; 10Aug06; 11Jul16; 11Jul21; 11Aug01; 13Jul06; 13Jul12;  
14Jun01; 14Jul10; 15Apr30; 15May10; 15May28; 15Jun08; 15Jun12;  
15Jun22; 15Jul29; 15Aug08; 15Aug14; 15Aug15; 15Nov03; 16Apr01;  
16Apr08; 16Apr23; 16May12; 16May 13; 16Jun11; 16Jun19; 16Jul07;  
17Jun05; 17Jun07; 17Jun14; 17Jun26; 17Jul31; 17Aug07; 18May09;

*Vanessa cardui* 10Nov13; 11Jun02; 11Aug01; 12Jun30; 12Sep14; 12Sep17; 13May20;  
13Jun04; 14May12; 14May29; 14Jun08; 14Jul10; 14Sept27; 14Oct07;  
15Apr21; 15May04; 15May15; 15Jul20; 15Sep18; 15Sep24; 15Oct16;  
16Apr20; 16May16; 16June21; 16June22; 17May07; 17May08; 17May30;  
17Jun05; 17Jun14; 17Jul26; 17Aug14; 17Aug15; 17Aug28; 17Sep04;  
17Sep11; 17Sep13; 17Sep16; 17Sep17; 17Sep22; 17Sep25; 17Oct10;  
17Oct29; 17Nov02; 18May09; 18May25; 18Jun15;

*Vanessa virginiensis* 12Sep09; 17Aug11; 17Sep16; 17Sep17; 17Sep22; 17Sep27;  
17Sep29;

#### OECOPHORIDAE

*Carcina quercana* 11Jul11; 12May15;

*Endrosis sarcitrella* 10Sep17; 14Mar18; 16Apr08;

*Hofmannophila pseudospretella* 12Nov08;

*Polix coloradella* 15Jun01;

#### PAPILIONIDAE

*Papilio eurymedon* 10Jun05; 10Jul08; 11Jun23; 11Jul07; 12May31; 12Jul31; 14May21;  
14Jun01; 15Jun07; 15Jun08; 15Jun23; 16Apr22; 16May05;  
15Aug29; 16Apr17; 16May16; 16Sep08; 16Sep16; 16Oct01; 17May14;  
17May26; 17Jun03; 17Jun13; 17Jun23; 17Jun25; 18May16; 18May17; 18May30;  
18Jun17; 18Jun20;

*Papilio rutulus* 10Jun05; 10Jun07; 10Jun22; 10Jul08; 10Jul26; 10Aug13; 11Jun15  
11Aug03; 11Sep30; 11Oct15; 11Oct25; 12Jul10; 12Jul13; 13May19;  
13Jun06; 13June09; 13Jun23; 13Jun23; 13Jul02; 13Jul20; 14May29;  
14Jun01; 14Jul03; 14Aug06; 14Aug16; 15Jun03; 15Jun07; 15Jun08;  
15Jun11; 15Jun14; 15Aug04; 15Aug15; 15Sep12; 16May13; 16Jul06;  
17May31; 17Jun10; 17Jun26; 17Jun28; 17Jul03; 17Jul23; 17Jul28; 17Aug10;  
17Aug24; 18Mar08; 18May27; 18Jun01; 18Jun02; 18Jun06;

*Papilio zelicaon* 10Apr21; 10Jul08; 11Jun02; 12Jun17; 13Jun18; 13Jul16; 13Jul25;  
14Jun08; 15May04; 15Jun21; 15Jul13; 15Jul20; 15Jul24; 15Jul29; 17May26;  
17Jun14; 17Jun24; 17Aug15; 18May05; 18Jun19;

*Parnassius clodius* 13Jun15; 13Jul22; 14Aug06; 15Jun02; 15Jul18; 16Jun07; 16June17;  
16Jul24;

*Parnassius smintheus* 14Aug06; 16Jul04;

#### PIERIDAE

*Anthocharis sara* 10Mar26; 10Apr28; 11Jun12; 12Apr17; 12Apr18; 13Apr08; 13Apr23;  
13May05; 13May19; 13Jul03; 13Jul10; 14Apr20; 14May19;

14Jun01; 15Mar14; 15Mar27; 15Mar28; 15Apr09; 15Oct05;

16Apr26; 17Apr17; 17May23; 18Apr18; 18May07; 18Jun16;

*Colias eurytheme* 14Aug22; 14Aug25; 14Sep07; 17Aug14; 17Aug17; 17Aug18; 17Sep03;  
17Sep04; 17Sep11; 17Sep16; 17Oct10;

*Colias occidentalis* 13Jul14; 16Jul04;

*Colias* sp. 14Jul22; 17Sep25;

*Neophasia menapia* 10Aug15; 11Aug14; 11Aug17; 11Aug14; 11Aug16; 11Aug26

11Aug29; 12Aug06; 13Jul21; 13Jul28; 15Jul02; 15Jul08; 15Sep03;

15Sep06; 16Jul26; 17Aug04; 17Aug05; 17Aug06;

*Pieris marginalis* 10Jul26; 10Aug03; 11Jul07; 13Apr08; 13Apr25; 13Jun16; 15Aug29;  
17Jun29;

*Pieris rapae* 10Apr06; 10Apr21; 10Aug03; 10Aug12; 10Aug17; 10Oct 24; 11Jul05

11Jul08; 11Jul18; 12Apr14; 12Aug11; 13Jun06; 13Jun08; 13Jun21; 13Jun28;

13Jul02; 13Jul06; 13Jul14; 13Oct07; 14Apr28; 14May16; 14Jun01; 14Oct28;

15Mar08; 15Jun08; 15Jul25; 15Sep13; 15Sep30; 15Oct03; 15Oct09; 15Oct16;

15Oct22; 16Mar25; 16Apr28; 15Aug29; 16Apr17; 16May16; 16Sep11; 16Sep16;

16Oct 29; 16Nov04; 16Nov09; 16Nov12; 16Nov15; 17Mar29; 17Apr30;

17May02; 17May27; 17Jun26; 17Jul03; 17Aug15; 17Aug23; 17Sep11;

17Sep16; 17Sep26; 17Sep27; 17Oct01; 18Apr01; 18Apr20; 18May18;

18May24; 18May26; 18Jun02;

#### PLUTELLIDAE

*Eucratia castella* 10Apr10; 10Jun14; 11May18; 12May01; 12Jun25; 18May05;

*Eucratia securella* 12May04; 15Apr16; 16Apr13; 16Apr19; 16Apr28;

*Plutella xylostella* 12Oct19; 12Oct28; 14Aug12; 15Aug28; 15Sep04; 15Sep06; 16Mar25;

*Rhigognostis interrupta* 14Mar28;

*Ypsolopha falciferella* 14Feb12;

#### PTEROPHORIDAE

*Emmelina monodactyla* 10Aug18; 12Sep15; 13Jun24; 13Jul08;

13Oct07; 15Feb07; 17May13; 15Mar08; 15Mar16; 16Jul09;

17April19; 17May13; 17Sep03;

Unidentified 12Aug22; 15Jul06; 17Apr01;

#### PYRALIDAE

*Arta epicoenalis* 15Jul12;

*Oreana unicolorella* 14Sep18; 14Sep23;

*Plodia interpunctella* 12Nov19; 15Sep14; 16May04; 16Oct05; 17Dec21;

*Euzophera semifuneralis* 15May 26;

*Euzophera* sp. 15Sep08;

*Sarata caudellella* 16Mar30; 18Mar18, 18Mar22; 18Mar23;

#### SATURNIIDAE

*Antheraea polyphemus* 10Jul16; 11Jul05; 12Jul07; 12Sep07; 12Sep11;

13Jun16; 14May23; 14Jul10; 14Aug25; 14Sep18; 15May18; 15May25; 15Jun25;

16Sep16; 16Sep19; 17Jun04; 17Jun27; 18Mar02; 18Apr03; 18Jun04; 18Jun07;

*Hemileuca eglanterina* 10Sep28; 11Aug05; 15Jul01; 15Jul08; 15Jul09; 16Jun05; 16Jul07;  
17Jul01; 18May01; 18Jun06;

*Hyalophora euryalus* 10Jun04; 13Apr28; 13May08; 13May29; 14May16; 15Apr24;

15May20; 16Apr12; 16Apr23; 17Aug05; 18May12;

#### SCHRECKENSTEINIIDAE

*Schreckensteinia festaliella* 15Jun15;

#### SESIIDAE

*Albuna pyramidalis* 14Aug16;

*Paranthrene robiniae* 11Aug26;

*Synanthedon bibionipennis* 17Jul26; 17Aug02;

*Synanthedon novaroensis* 14Jul10;

#### SPHINGIDAE

*Hemaris thetis* 16May24; 16Jun10;

*Hyles gallii* 17Aug10;

*Hyles lineata* 14Jun30; 14Aug25; 14Aug29; 14Sep01; 14Sep13; 14Oct20; 15May20;

15Jun24; 17Apr17; 17Jun22; 17Sep03; 17Sep04; 17Sep13; 17Oct08;

*Paonias excaecatus* 14May16; 15Sep14;

*Proserpinus flavofasciata* 16May16; 18Jun01;

*Smerinthus cerisyi* 10Sep28; 11Jul25; 12Jul08; 12Aug23; 13May16; 13Jun27; 13Jul19;

13Jul20; 13Aug23; 14May23; 15May17; 15Aug19; 15Sep02; 15Oct04;

16Apr28; 16Aug28; 16Sep16; 16Sep26; 17May02; 17May10;

18Mar31; 18May21;

*Sphinx perelegans* 10Aug13; 14Jun08; 15Jun11; 15Jun25; 16Jul14; 17Jun07; 17Jun08;

17Jun13; 17Jul30;

#### SYMMOCIDAE

*Oecogonia quadripuncta* 13Sep01; 15Jul03;

#### TISCHERIIDAE

*Tischeria* sp. 15May14;

#### TINEIDAE

*Phereoeca uterella* 17May29;

*Tinea pellionella* 12Dec23;

*Tineola bisselliella* 11Jul07; 12Jun01; 12Dec25; 15Aug13; 17May06; 18Feb02; 18Feb22;

## TORTRICIDAE

*Acleris albicomana* 11Jun16; 18Jun13;  
*Acleris britannia* 15Mar16;  
*Acleris cornana* 16Oct26;  
*Acleris forsskaleana* 18Feb21;  
*Acleris fragariana* 14Sep07;  
*Acleris gloverana* 10Aug13; 17Sep03;  
*Acleris maccana* 17Mar24;  
*Acleris maximana* 16Feb12;  
*Acleris minuta* 10Aug05;  
*Acleris nivisellana* 14May16;  
*Acleris rhombana* 13Oct15; 14Sep18; 18Feb21;  
*Acleris variegana* 18Feb21;  
*Acleris* sp. 14Mar08; 18Feb05;  
*Ancylis apicana*: 13Sep23;  
*Ancylis* sp. 15Jun30;  
*Archips podana* 11Jul04;  
*Archips rosana* 11Jul04; 15May26; 15Jun15; 15Jun30; 18Jun13;  
*Argyrotaenia franciscana* 15Apr29; 15May26; 15Sep08; 16Apr13; 18May18;  
*Carcina quercana* 18Feb21;  
*Choristoneura freemani* 17Aug26;  
*Choristoneura rosaceana* 10Jul16; 11Jun14; 12Sep07; 13Jun05; 13June09; 13Jun11;  
 15May26; 15Jun06; 17Jul24;  
*Clepsis spectrana* 18Feb21;  
*Cydia nigricana* 15Jul14;  
*Cydia pomonella* 17Aug29;  
*Dichrorampha vancouverana* 13Jul14; 15Jun30;  
*Ditula angustiorana* 11Jul07;  
*Eana* sp. 15Jun30;  
*Epinotia emargunana/solandriana* 17Apr21;  
*Eucosma amphorana* 16May16;  
*Eucosma derelicta* 15Jul12;  
*Grapholita lunatana* 11Apr23  
*Grapholita* sp. 15May13;  
*Hedya nubiferana* 11Jun07; 14May16; 18Feb21; 18May27;  
*Olethreutes albiciliana* 15May26;  
*Olethreutes appendiceum* 18Feb21;  
*Olethreutes electrofuscum* 18Feb21;  
*Olethreutis glaciana* 12Aug14; 17May16; 17May26;  
*Olethreutes punctata* 15Sep08;  
*Pandemis cerasana* 13May23; 14Jun01; 15Jun29;  
*Pandemis* sp. 11Jun14;  
*Retinia picicolana* 16April21;  
*Rhyaciona buoliana* 15Jul11;



*Syndemis afflictana*?? 12Dec03;  
Unidentified 11Jul26; 13Jun08; 15Jun01;

#### URANIIDAE

*Callizzia amorata* 13Aug04; 17May30;

#### YPONOMEUTIDAE

*Swammerdamia pyrella* 15Jul12;  
*Yponomeuta padella* 10June08; 10Jun28; 13Jun24; 14Jun01; 14Jul20;

Unidentified pyraloid 12Oct16;  
Unidentified moths 13Jul14; 13Jul23;

### **Microcoryphia**

Unidentified 15Jun06;

### **Neuroptera**

#### CHRYSOPIDAE

*Chrysopa* sp. 10Jun16; 12Jul07; 15Jun30; 16April22; 18Apr27;  
*Nothochrysa californica* 14Apr11; 16Apr17; 17Apr27;  
Unidentified 10Aug31; 11Jun13

#### HEMEROBIIDAE

Unidentified 10Aug23; 13Aug27; 15Jun30; 16May01; 18Mar11; 18Mar24;

#### MYRMELEONTIDAE

*Myrmeleon exitialis* 13Aug04;  
Unidentified 13Jul29;

### **Odonata**

#### AESHNIDAE

*Aeshna canadensis* 10Jul30; 11Aug14;  
*Aeshna interrupta* 10Jul30; 11Aug14;  
*Aeshna palmata* 12Sep24; 12Sep26; 12Sep30; 12Oct03; 12Oct06; 12Oct16; 13Aug27;  
16Oct05;  
*Aeshna palmata/umbrosa* 11Jul14; 11Sep11  
*Aeshna umbrosa* 11Aug14; 11Aug14  
*Anax junius* 10Jul14; 15Sep29;  
*Rhionaeschna californica* 10May 15; 11Jun07; 13Apr29; 13May14; 13Jun03; 13Jun11;  
14May21; 15Apr29; 15Jun08; 16Apr18; 16Apr20; 16May01; 17May10;  
17May13; 17May24; 17Jun01; 18May11;

*Rhionaeschna multicolor* 10Jun18; 10Jul20; 10Jul22; 10Jul31; 12Oct07; 13Jun24;  
13Jun29; 13Jul01; 13Jul06; 13Jul09; 14May01; 15Jun10; 15Jun11;  
16Jun25; 16Jul08; 16Jul28; 16Sep26; 17Jul04;

*Rhionaeschna* sp. 11Jul19;

#### COENAGRIONIDAE

*Amphiagrion abbreviatum* 13Jul02; 16Jun02;

*Enallagma boreale* 10Jun25; 17Jun10;

*Enallagma carunculatum* 10Jul02; 10Aug23; 13Jun29; 13Jul09; 14May21; 14Jun01;  
15Jun01; 15Jun15; 16Jun06; 16Jul08; 16Jul19; 17Jun01; 17Jun26;  
17Jul27; 17Sep17;

*Enallagma* sp. 16May03; 18May14;

*Ischnura cervula* 10Jul02; 11May20; 12May01; 13Apr23; 13Jul06; 14Apr24; 14May01;  
14May13; 15Apr29; 15May17; 16Jul19; 17May06; 17Jun01; 17Jun26;  
18Apr28; 18May14;

*Ischnura erratica* 10May24; 15May22; 17May21;

*Ischnura perparva* 10Jul02; 13Jun11; 16Apr28;

*Ischnura* sp. 13May01;

Unidentified 13Jun01;

#### CORDULEGASTRIDAE

*Cordulegaster dorsalis* 12Jul28; 17Aug25;

#### CORDULIIDAE

*Cordulia shurtleffii* 15Jun01; 15Jun08; 16May08; 17May24; 17Jul26;

*Epitheca spinigera* 15May05; 17May08; 17Sep02; 18May31;

#### LESTIDAE

*Lestes congener* 12Sep30; 13Aug27; 17Aug07;

*Lestes* sp. 15May17; 15Jun02; 17Sep17;

#### LIBELLULIDAE

*Erythemis collocata* 11Aug5; 12Jul13; 13Jul07; 13Jul30; 14Jul03; 15Jun10; 15Jun15;  
15Jun25; 16Jun23; 16Jul28; 16Jul30; 17Jun14; 17Jun26; 17Jul04;  
17Aug09; 18Jun18;

*Ladona julia* 16Jun13; 17Jul26;

*Leucorrhinia hudsonica* 12Aug22; 14Jul17; 15Jun05;

*Leucorrhinia intacta* 10Jul12; 13Jul01; 13Jul07; 14Jun01; 15Jun07; 16Jun24; 17May26;  
17Jun01; 17Jul04; 18May07;

*Leucorrhinia proxima* 10Jul14

*Libellula forensis* 10Aug17; 11Jun07; 12July28; 13Jun09; 13Jul01; 13Jul30; 14Jul03;  
15Jun07; 15Jun10; 15Jun15; 16Jun06; 16Jul02; 17Jun21; 17Jul26;  
17Aug07; 17Aug15; 18May22;

*Libellula quadrimaculata* 10Jul12; 10Jul14; 11May21; 13Jun29; 13Jul01; 13Aug23;  
14May21; 14Jun01; 15May22; 15May31; 16May08; 16Jun06;  
16Jul19; 17May26; 17Jun01; 18May07;

*Pachydiplax longipennis* 10Jun22; 10Jul14; 10Jul30; 13Jun29; 13Jul09; 13Jul30;  
 14Jun08; 14Jul30; 15Jun01; 15Jun08; 15Aug02; 17May24; 17Jul05;  
*Plathemis lydia* 10Jul12; 11Jun24; 11Jul07; 13Jul07; 15Jun15; 17Jun26;  
*Sympetrum corruptum* 10Oct13; 12Aug26; 13Oct14; 13Oct15; 16Jun27; 16Jul28;  
 16Sep11; 16Sep23;  
*Sympetrum costiferum* 13Jul02; 16Jul28; 16Sep19;  
*Sympetrum danae* 12Sep27; 12Oct07;  
*Sympetrum illotum* 10Jun14; 10Jul12; 10Jul14; 10Jul23; 13Jun14; 13Jul01;  
 14Jun01; 15May28; 15Jun07; 15Oct15; 16May12; 16Jun06; 16Aug03;  
 17Jun05; 18May22;  
*Sympetrum madidum* 12Aug20; 17Jul03; 17Jul27;  
*Sympetrum obtrusum* 10Jul26; 10Aug15; 11Aug14; 12Sep29;  
*Sympetrum pallipes* 10Jul14; 11Aug05; 12Aug20; 12Oct01; 12Oct06; 13Jul30; 15Jul30;  
 15Aug02; 15Sep10; 16Jul19; 16Oct03; 17Aug07; 17Aug23;  
*Sympetrum vicinum* 10Aug16; 11Aug17;  
*Sympetrum* sp. 12Sep24; 13Jun29; 13Jul01; 13Jul06; 15Oct03; 15Oct25; 17Aug22;  
*Tramea lacerata* 16Jul10; 16Jul11; 16Jul24;  
 Unidentified 13Jul02;

## Orthoptera

### ACRIDIDAE

*Arphia pseudonietana* 10Sep25; 16Sep23;  
*Camnula pellucida* 12Oct 14; 16Sep14; 16Sep19; 17Aug28;  
*Dissosteira carolina* 10Aug04; 13Jul09; 16Sep23; 17Aug14; 17Aug22;  
*Melanoplus bivittatus* 10Aug18; 14Sep05; 16Jul19; 16Sep19;  
*Melanoplus sanguinipes* 12Oct14;  
*Melanoplus femurrubrum* 16Aug29;  
*Melanoplus* sp. 10Jul22; 16Oct12;  
*Trimerotropis fontana* 12Oct 14; 16Sep14; 16Sep23;  
*Trimerotropis fontana/verruculata* 12Sep26  
*Trimerotropis pallidipennis* 12Oct 14;  
*Trimerotropis verruculata* 10Oct 01; 17Sep06;  
 Unidentified 12Sep14; 13Sep22; 14Sep01; 15Aug08; 15Aug13; 15Sep23; 17Jun20;

### GRYLLIDAE

*Gryllus pennsylvanicus* 10Sep25

### RHAPHIDOPHORIDAE

*Ceuthophilus* sp. 15Dec08;  
*Diestrammena* sp. 15Mar13;

### TETRIGIDAE

*Tetrix subulata* 15Apr23;  
 Unidentified 10Aug30

## TETTIGONIIDAE

*Meconema thalassinum* 16Aug29; 17Aug07;  
Unidentified 13Jul29

**Phthiraptera**

## PHILOPTERIDAE

Presumed *Strigiphilus acadicus* 11Dec04  
Unidentified on swan 16Apr12;

**Plecoptera**

## CHLOROPERLIDAE

Unidentified 14Apr20;

Unidentified other family 16Nov30;

**Psocoptera**

## ECTOPROCIDAE

*Ectoprocus briggsi* 15Mar31; 16Oct11;

## LACHESILLIDAE

*Lachesilla pacifica* 15Mar30;

*Hyalosocus* sp. 18Apr28;

Unidentified 16Oct17;

**Raphidioptera**

*Agulla* sp. 14May08;

*Negha inflata* 16Apr29;

Unidentified 13May15;

**Thysanoptera**

Unidentified 13Jun03;

**Trichoptera**

## LEPTOCERIDAE

*Oecetis* sp. 17Jul05;

## LIMNEPHILIDAE

*Glyphopsyche irrorata* 18Jan18;

*Halesochila taylori* 17Oct31;

*Lenarchus rho* 17Sep18;

*Limnephilus fagus* 17May19;

Unidentified 12Sep29; 14Sep01; 14Oct28; 16Sep23; 17Jul30;

**MALACOSTRACA****Decapoda**

## ASTACIDAE

*Pacifastacus leniusculus*

**Isopoda**

## ARMADILLIDIIDAE

*Armadillidium vulgare* 10May17

## ONISCIDAE

*Oniscus asellus* 10Apr19

**POLYCHAETA****Phyllodocida**

## NEREIDIDAE

*Nereis vexillosa* 17Jul05;

As noted above, the superfamily Noctuoidea has recently been extensively revised by Lafontaine and Schmidt in their Annotated check list of the Noctuoidea (Insecta, Lepidoptera) of North America north of Mexico, *ZooKeys* 40: 1–239 (2010). Here are some of the highlights of the Lafontaine and Schmidt Noctuoidea classification.

The North American Noctuoidea now comprises the following families:

Doidae  
 Notodontidae  
 Erebidae  
 Euteliidae  
 Nolidae  
 Noctuidae

Of these, Doidae and Euteliidae are very small families, and I don't know if they have any representatives on Vancouver Island, so I'll say no more about them here.

Notodontidae (the prominent and kitten moths) is largely unscathed, the only new changes being the divisions at subfamilial level, so I'll leave it at that.

It is the remaining families, Erebidae, Nolidae and Noctuidae that need some comments. It will be noticed that some old families and subfamilies have been demoted to subfamilies and tribes respectively, while one group (now called Nolidae) has been promoted to family level.

Erebidae now comprises numerous subfamilies of which I mention just a few. It includes the former Lymantriidae and Arctiidae, as well as the former quadrifid Noctuidae.

Lymantriinae is the old family Lymantriidae, now demoted to subfamilial status. It includes the Vapourer, Satin and Gypsy moths.

Arctiinae is the old family Arctiidae, now demoted to subfamilial status. It includes the tiger moths, large ermine moths and the Cinnabar moth, as well as the lichen-feeding footman moths. The footman moths were formerly subfamily Lithosiinae, but are now demoted to tribe Lithosiini.

The remaining subfamilies of Erebidae are certain groups of moths taken from the old, traditional Noctuidae, mainly what were formerly called the "quadrifid" noctuids. Thus:

Hypeninae. These are the snout moths. They are no longer in Noctuidae, but are now in Erebidae.

Scoliopteryginae. This includes the Herald Moth.

Erebinae. This comprises several tribes of which the Catocalini are the red underwing moths.

Nolidae is now of family status. (It has enjoyed that privilege in the distant past.) Our representative here is *Nola minna*.

Noctuidae. This somewhat reduced family comprises the remainder of the former larger Noctuidae. It largely consists of what were formerly known as the “trifid” noctuids.