

Revised 2019 January 05

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* and *Nycteola* have been moved out of Noctuidae to their 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) 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 noctuoid 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

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

Neomolgus 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 duellica (also under *E. atrica*) 15Sep06; 15Sep18; 16Feb05; 16Dec02; 16Dec30;
17May07; 17Aug09; 18Jul10; 18Aug19; 18Sep20;

AMAUROBIIDAE

Callobius severus 16Nov09; 18Oct17;

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; 18Sep20; 18Sep27;
18Nov11;

Araneus saevus 17Sep20; 18Mar21; 18Aug28;

Araneus trifolium 15Aug17; 15Sep13; 18Sep27;

Araniella displicata 17May01; 17Jun04;

Argiope trifasciata 18Sep27;

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. 11Jun08;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 proszynskii 16Apr13; 16Apr22; 17Apr30; 17Aug03;

Habronattus americanus 17Jul27;

Metaphidippus manni 10Jun28; 18May21;

Pelegrina aeneola 18Apr28;

*Phanias albeolus*18Apr07;

Phidippus borealis 10Apr16; 10Apr14

Phidippus johnsoni 13Jun03; 13Jun18;15Apr30; 15Aug21;15Aug27; 16May30;16Oct11;
17May08; 17May23; 18May25; 18Jul12;

Phidippus purpuratus 18May08;

Platycryptus californicus 16Mar28; 16Jul25;; 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;

Mecaphesa sp. 17Jul27;

Misumena vatia 10Jul11; 13Apr07; 15Jun05; 15Jun07; 15Aug12; 16Apr24; 16Jun06;
16Sep21; 17Jun14; 17Jul05; 17Jul30; 18Aug08; 18Aug17; 18Aug20;

Xysticus cristatus 15Sep19; 18Jan08;

Xysticus sp. 14Apr11;

Unidentified 13May12;

THERIDIIDAE

Enoplognatha ovata 18Jul09;

Latrodectus hesperus 14Sep27; 16Jan12; 18Jan04;

Parasteatoda tepidariorum 17Feb24; 18Aug13;

Steatoda albomacularia 18Sep20;

Steatoda grossa 16Jan06; 17Jun26; 17Sep23; 18Feb06;

Theridion sp. 15Jun22;

Opiliones

PHALANGIIDAE

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

SCLEROSOMATIDAE

Leiobunum sp. 17Feb07;

Unidentified 12Nov04; 18Oct18;

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; 18Jul09;

Unidentified 15Oct03; 15Oct27; 18Oct18;

ENOPLEA**Mermithida**

MERMITHIDAE

Unidentified 18Apr10;

ENTOGNATHA**COLLEMBOLA****Entomobryomorpha**

ENTOMOBRYIDAE

Entomobrya intermedia 16Oct12;

Pogonognathallus bidentatus 17Dec08;

TOMOCERIDAE

Unidentified tomocerine 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;18Nov30;

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

17Jan06;17Jan08;18Feb24;18Dec04;

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; 18Oct10;

Arion rufus 12Sep19; 13Jul03;18Sep20;
Arion subfuscus 14Oct15;
Hemphillia dromedarius 18May07;

BRADYBAENIDAE

Monadenia fidelis 10Jun15; 12Jun18; 14May12; 15Mar30; 16Jun24; 16Sep08;16Oct18;
 17Apr09;

CIONELLIDAE

Cochilocopa lubrica 16Mar28;

DAUBEBAEIIDAE

Oxychilus alliarius 16Mar15;
Oxychilus draparnaudi 16Nov09;

HAPLOTREMATIDAE

Haplotrema vancouverense 17Mar19;

HELICIDAE

Cepaea nemoralis 11May19; 12Oct16; 12Oct21; 14May12; 15Mar28;15Apr19;
 15May26; 16Apr14; 17Jun01;17Jun16; 18Jul02; 18Jul09;
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

BUPRESTIDAE

Agrilus (perhaps *burkei*)15May24;

Buprestis aurulenta 10Jun22; 12Jul12; 15Jun05; 16Apr01; 16May23; 16May24;
16Aug01;17Jun19; 18Apr13; 18Jul09;

Unidentified17Jun26;

BYTURIDAE

*Byturus unicolor*15May13;

CANTHARIDAE

*Dichelotarsus melvillei*15Jun06;

*Podabrus cavicollis*17Jul05;18Aug05;

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

Rhagonycha fulva 11Jul27;

Scaphinotus marginatus 18Dec12;

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; 18Oct08;

Unidentified 10Apr23; 11May21; 13Jun03;

CERAMBYCIDAE

Anoplodera pubera 16Jul19;

Centrodera spurca 16May31; 18Jul06;

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; 18Aug24;
Prionus californicus 17Jul08; 18Oct23;
Prionus sp. 10Aug14; 13Jun01; 15Jul03;
Rhagium inquisitor 16May05;
Rosalia funebris 16Aug28; 18Aug09;
Saperda calcarata 13Jul07;
Strophiona laeta 17Jul27;
Trichocnemis spiculatus 17Aug02; 18Aug16;
Xestoleptura crassicornis 15Jun29; 15Jun30; 15Jul25;
Xestoleptura crassipes 18Jun29; 18Jul18;
Xylotrechus longitarsus 11Oct28; 18Jul13;
Xylotrechus nauticus 10Jul31
 Unidentified 11Jun13; 13Jun30; 13Jul03; 13Jul07; 15Jun22; 16May04;
 LEPTURINAE
 Unidentified 15Jun08;

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;
 18Aug03;
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 pyraister 15May05;
Otiorhynchus singularis 10May26; 15Mar31; 16Apr12; 17May29; 18Apr11;
Otiorhynchus sulcatus 10Sep25; 15Aug12; 18Aug26;
Rhyncolus brunneus 15Mar16;
Rhynocyllus conicus 18Jul08;
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;
Triplax sp. 18Oct01;

EUCINETIDAE

Nycteus infumatus 15Mar16;

GEOTRUPIDAE

Odonteus obesus 17Aug02;

HALIPLIDAE

Peltodytes callosus 18Aug23;

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 18Apr1918Apr18;;

MELYRIDAE

Endeodes collaris 15Apr15;

MELANDRYIDAE

Prothalpia holmbergi 15Jun06;

MELYRIDAE

Listrus sp. 17Apr21;

MORDELLIDAE

Unidentified 10Jul23

NITIDULIDAE

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

OEDEMERIDAE

Ditylus quadricollis 16Jun05;
Xanthochroina bicolor 18Aug07;

PTILIIDAE

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

PTINIDAE

Vrilletta decorata. 15Apr20;

RHYSODIDAE

Clinidium calcaratum

SCARABAEIDAE

Dichelonyx sp. 18Jun12;
Diplotaxis sp. 18Aug27;
Polyphylla crinita 11Jul28; 13Jul01; 13Jul10; 15Jun25; 17Jan21; 17Jul05; 18Jul03;
 18Jul06;
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

Namunaria pacifica 18Oct01;

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 sericata 18Aug06;
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; 18Aug07;

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;
Dasysyrphus intrudens. 18Jul02;
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 latus 10Aug03;
*Melanostoma mellinum*17Jul24;
Meliscaeva cinctella 17Sep20;
Merodon equestris 10Jun17; 14May14; 16May27; 17May24; 17Jun02; 17Jun03;
Myathropa florea 16Jun30;
Orthonevra 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
Uramya halisidotae 18Jul23;
 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;

BELOSTOMATIDAE

Lethocerus americanus 18Jul18;

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;18Sep04;18Oct11;

ERIOSOMATIDAE

Eriosoma lanigerum 12Oct06;

GERRIDAE

Aquarius remigis 18May27;
Gerris sp. 10Mar24; 18Jul25;

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; 18Jun24;
Brochymena sp. 15 Mar15; 15May05; 16Feb02;16Mar21; 16Oct28; 18Jun06;18Dec03;
Banasa dimiata 10May26; 11Mar26; 14May01; 17Jun26;
Chlorochroa uhleri 10May14; 18Sep15;
Chlorochroa sp 10Aug31; 10Sep04; 11Jun01; 16Sep21;17Aug25;
Cosmopepla conspicillaris 11Jun01;
Cosmopepla intergressa 15Jul24;
Elasmotherus 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; 18Jul06; 18Sep13;

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; 18Aug06; 18Oct18;

Bombus mixtus 16Sep20; 17Jun03; 18May16;

Bombus occidentalis 18Jun08; 18Jul28;

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;
18Jul25;

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 Unidentified 17Apr27; 17Jul03;

BRACONIDAE

Atanycolus sp. 16April22;

Unidentified 13May14;

CHRYSIDIDAE

Chrysis sp. 17Jul27;

Unidentified 10Jul16; 15Sep29;

CIMBICIDAE

Cimbex americana 15May25;15Aug10; 18Jul27;

Trichiosoma triangulum 12Jul08; 15Jul28; 16Apr08;16Jun18; 17Jun26; 17Jul27;

Zaraea sp 10May14

Unidentified 17Apr01;

CRABRONIDAE

Bembix americana 10Jul12; 11Sep27; 16Jul07; 16Aug08; 17Aug07; 18Jul02; 18Jul25;

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; 18Jul20;

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 rufipes 18Sep03;

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;18Jul05;

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; 17April20;
Osmia sp. 16Apr29; 16Jul25;
 Unidentified 10Jul23; 15Sep04;17Oct14;

MUTILLIDAE

Dasymutilla sp. 16Jul07;

POMPILIDAE

Unidentified 10Aug23; 16Sep21;

SIRICIDAE

Urocerus albicornis 16Jul06;
Urocerus californicus 18Sep16

SPHECIDAE

Ammophila sp. 17Aug07;
Podalonia sp. 10Apr23; 11Apr24;
Prionyx canadensis 16May30;17Jul27; 18Jul08;
Prionyx sp. 11Sep27;
Sceliphron caementarium 10Jul17; 11Jul19; 12Mar14; 16May19;16Jul17;
 Unidentified 13Mar05;

TENTHREDINIDAE

Dolerus sp. 16Apr22;
Eriocampa ovata 10Jun25
Eriocampoides limacina 12Sep29;15Oct09; 18Jul14;
Hemichroa crocea 15Oct11; 17Aug28;
Nematus ribesii 13May21;
*Pristiphora geniculata*18Jun28;
 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; 18Aug19;

AUTOSTICHIDAE

Oegoconia novimundi 17Mar01;

CHOREUTIDAE

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

COLEOPHORIDAE

Unidentified 18Jun25;

COSMOPTERYGIDAE

Sorhagenia nimbosa 14Jul22;

CRAMBIDAE

Anania hortulata 15May15;17Jul03;18Jun29;
Chrysoteuchia topiaria 10Aug23; 12Jun25;12Jul05;
Crambus sp. 12Sep17;
Eudonia echo 18Aug21;
Eudonia sp. 15Sep08; 18Jun14;
Herpetogramma thestealis 10Jun23; 11Jul23; 12Jul19; 15Jun29; 18Jul05;
 [Some of the photos of this may be labeled *H. pertextalis*]
Loxostege cereralis 16Aug29; 17Sep12;
Nomophila nearctica 13Sep28; 15Sep08;
Pyrausta californicalis 15Jul11; 18Jul02; 18Jul06; 18Jul07; 18Jul22;
Pyrausta perrubralis 16Jul07;18Aug04;
Scoparia sp. 18Jun14;
Udea profundalis 10Aug15; 12Sep07; 13June09; 13Aug30; 14May19; 15Jun19;
 15Aug29;16Apr17;16May16;16Sep08;18Aug23;
 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;14Jun04;15Oct11;15Oct12; 16Sep22; 17Oct10;
Drepana arcuata 14Aug29; 15Jul11; 18Jun14; 18Jul12; 18Aug21;
Drepana sp. 16Oct24;
Euthyatira pudens 11Jun21; 12Apr 10; 12Jun25; 13Mar29; 13Jun17; 14Mar28;14May05;
 18Jun13;
Habrosyne scripta 11Sep17; 14Aug12; 16Sep25;
Pseudothyatira cymatophoroides 16Oct18; 18Jul09;

EREBIDAE

ARCTIINAE

*Apatesis nevadensis*18Aug21;
Arctia caja 18Jun13; 18Jun14; 18Jul17; 18Aug04;
Cisseps flavicollis 14Sep18;
Clemensia albata 17Jul24; 18Jul17; 18Aug05;
Grammia complicata 12Jun15;
Hyphantria cunea 16Sep08; 16Sep11; 17Jun07; 18May25; 18Aug06; 18Aug24;
*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;
 18Jun23; 18Jul09; 18Aug04;18Aug17; 18Sep16
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;18Aug28; 18Sep20;
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; 18Oct11;
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; 18Jul09; 18Aug04;

18Sep28;

Tyria jacobaeae 10Jul30; 12Jun17; 12Jun18; 13Jul24; 14May23; 15May30; 15Jun23;
15Jul26; 16May23; 17May23; 18May23; 18May23; 18Jun08;

Unknown woolly bear 17Aug18; 17Aug20; 17Aug24; 18Jul03;

EREBINAE

Ascalapha odorata 18Sep10; 18Sep13;

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; 18Jul19; 18Sep13;

Caenurgina erecta/crassiuscula 13Jul25;

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

Drasteria divergens. 16Jun01; 16Jun05;

Euclidia ardata 14Jun08; 15May17; 16May08;

Zale lunata 14Sep23; 17Aug28; 17Aug30; 17Sep02; 17Sep07; 17Sep11; 17Sep28;
18Jul22; 18Aug08; 18Aug31;

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

Dasychira grisefacta 18Jul16; 18Aug21;

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; 18Aug09; 18Aug22;

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; 18Aug20;
Cabera erythemaria 18May23;
Campaea perlata 10Jul30; 13May27; 14May01; 14May29; 14Aug06; 16May15; 17Jul30;
 18Aug01;
Caripeta aequiliaria 14Aug03; 15Jul26; 17Jul30;
Caripeta divisaria 18Jul16;
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; 18Jul16; 18Aug05; 18Aug24;
 18Sep13; 18Sep15;
Costaconvexa centrostrigaria 18Sep10
Cyclophora dataria 14Apr20; 16Apr07; 16Sep19; 17May07; 17May15; 17Jul08; 17Jul11;
 18May24;
Cyclophora pendulinaria 13May12;
Digrammia muscariata 16May04; 16Jun11; 18Jul17;
Drepanulatrix monicaria 14Oct10; 15Mar16; 15Jul05; 17Oct06; 17Oct15; 17Oct29;
 18Aug14; 18Sep10; 18Oct20; 18Nov03;
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; 18Sep14;
Enypia packardata 13Jun16; 15Jun09; 16May25; 18Jul17;
Enypia venata 12Aug09; 13Sep13; 18Aug12;
Epirrhoe plebeculata 11Apr06; 13Apr02; 15Mar04; 16Mar31; 16Apr20; 17Apr28;
 18Mar13; 18Mar30; 18Apr26;
Epirrita autumnata 13Oct10; 14Sep07; 14Oct20; 16Nov12; 17Oct29; 17Nov8; 17Nov10;
 17Nov18; 18Oct30; 18Nov03;
Erannis "vancouverensis" 11Jun09; 12May28; 12Nov21; 13May18; 13May20; 13Jun01;
 13Nov04; 13Nov05; 13Nov07; 13Nov 29; 13Dec 23; 14May08; 14May21;
 14Nov01; 14Nov06; 15May12; 15May15; 18Nov16;
Eulithis destinata 12Oct06;

Eulithis xyli 12May14; 12Jun08; 13May26; 13Jun24; 14May14; 14May29; 14Jul06;
 14Jul10; 18Jul08; 18Jul16; 18Aug04; 18Aug05; 18Sep10
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; 18Oct08;
Eurrhyncha hortulana 14Jun30;
Gabriola dyari 15Jun19; 18Jul08; 18Jul16;
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;
 18Jul03; 18Jul05; 18Jul11;
Hesperumia latipennis 10Apr07; 10May11; 15Jun30; 18Jul20;
Hesperumia sulphuraria 18Jul12; 18Jul17;
Hydrelia albifera 10Sep18; 12Aug20;
Hydriomena albifasciata 17Mar29;
Hydriomena californiata 17Apr25; 18May21; 18May30; 18Jul22;
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 speciosata 18Aug22;
Hydriomena sp. 14May12; 17Jun01;
Idaea dimidiata 11Aug26; 13Aug23; 16Jun14; 16Jun28; 17Jul26; 18Jul21;
Iridopsis emasculata 11Sep28; 12May17; 18Jun14; 18Jul08; 18Jul08; 18Jul16; 18Jul18;
 18Jul19;
Lambdina fiscellaria 11Sep13; 13Oct04; 14Sep05; 17Aug31;
Leptostales rubromarginaria 15May04; 16Apr29; 16May01; 17May25;

Lomographa semiclarata 18May07;
Macaria signaria 13Jul14; 18Jul13;
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 inatomaria 11Aug02;
Metarrhantis duaria 14May19; 15May22; 18May19;
Neoterpes trianguliferata 18May26;
Nematocampa resistaria 11Jun25; 17Jul30;
Nemoria darwiniata 18Jul16; 18Aug04; 18Aug21;
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; 18Aug04; 18Aug06; 18Aug12; 18Aug14;
 18Aug16; 18Aug19; 18Aug21; 18Aug27;
Nepytia phantasmaria 14Sep23; 17Sep16;
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; 18Oct12; 18Oct27;
 18Nov10; 18Nov15; 18Nov28; 18Nov29; 18Dec10; 18Dec27;
Operophtera occidentalis (formerly listed under *bruceata*) 11Dec30; 12Dec08;
 12Dec09; 13Nov29; 17Dec01; 17Dec15; 18Dec02; 18Dec10;
 18Dec27;
Operophtera danbyi 12Dec08; 18Jan17;
Operophtera sp. 16Nov24; 16Dec01;
Perizoma costiguttata 17Aug06; 17Aug06; 18Jul08; 18Jul12;
Perizoma curvilinea 15Apr05; 15May10; 16Apr18; 17Apr26; 17Jul30; 18May03;
 18May19; 18May21; 18Jun14; 18Jul17;
Pero behrensaria 18May21;
Pero mizon 12Apr30; 12Jun09; 14Aug16; 18Jul09; 18Aug05; 18Aug20;
Pasiphila rectangularata 13Jun12; 15Jun19; 17Jun05; 17Jul04;
Phigalia plumogeraria 14Jan19; 14Feb11; 14Mar08; 14Mar10; 14Mar14; 15Feb07;
Philedia punctomacularia 13Nov13; 17Sep22; 18Sep09;
Plagodis pulveraria 18May21;
Plemyra georgii 14Jul14; 17Aug06; 17Sep16; 17Oct15; 18Aug19;
Protitame matilda 17Jul04;
Protitame subalbaria 18Jul16;
Protoarmia porcelaria 13Jul31;

Rheumaptera hastata 15Jun08;15June17; 15Jun22; 15Jun23; 16Apr18; 16Sep17;
Rheumaptera undulata 14Aug22; 15May15;15Jun14;18Jul26;
Sabulodes edwardsata 14Jul03;
*Sabulodes aegrotata*18May21;
Scopula marginepunctata 18Jul25;
Scopula quinquelinearia 17Jul31;
Selenia alciphearia 12Apr21; 18May21; 18Jul24;
Sicya macularia 10May06; 10Jun04; 12Aug01; 13May24; 13May31; 13Jun11; 15Jun23;
 18Jul16;
Spodolepis danbyi 12Apr18; 15May05; 18Apr07;
Stenoporpia pulmonaria 18Sep13;
Synchlora aerata 15Aug16;
Tetracis jubararia 11Oct16; 12Oct10; 12Oct16; 13May26; 13Sep22; 13Oct06;14Sep15;
 14Oct15; 14Oct20;15Oct13; 16May17; 17Jun04;17Sep29; 18Oct07; 18Oct10;
Tetracis pallulata 13Oct06; 17Sep18; 18Sep09; 18Sep14;
Tetracis sp. 18Jun11;
Thallopaha hyperborea 17Apr14;
Thallopaha 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; 18Sep13;18Sep14; 18Oct08; 18Oct09;
*Venusia cambrica*18Jul22;
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; 18Aug05; 18Sep10; 18Sep19;
Xanthorhoe packardata 14Jun08;
*Zenophleps lignocolorata*18Aug28; 18Sep14;

GLYPHIPTERIGIDAE

Glyphipteryx bifasciata 16Jul09;
Diploschizia impigritella 15Sep08;18Aug06;

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; 16May13; 16Jun16;
 17May08; 17May13; 17May24; 17May26; 17Jun01; 18Apr22;
 18Apr25; 18Apr26; 18May26; 18Jun01; 18Jun11; 18Jun15;
Euphyes vestris 10Jul17; 13Jul03; 14Aug12; 15Jun15; 15Jun16; 15Jul03; 16Jun10;
 16June17; 16Jun27; 18Jun27; 18Jul27;
Hesperia comma 14Aug06; 14Aug19; 15Jul20; 15Aug03; 16Jul30; 16Aug08; 17Aug04;
 17Aug07; 17Aug15; 17Aug23; 17Aug28; 18Jul30; 18Aug01;
 18Aug06; 18Aug09; 18Aug17; 18Aug20;
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; 18Jul20; 18Jul26;
 18Aug02; 18Aug06; 18Aug10; 18Aug17; 18Aug18; 18Aug20;
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; 18Jun23;
 18Jun27; 18June30; 18Jul03; 18Aug06;

INCURVARIIDAE

Adela septentrionella 15Apr15; 15May22; 16Apr20; 16May10; 17Jun04; 18Jun07;
 18Jun23;
Adela trigrapha 18Apr25;

LASIOCAMPIDAE

Malacosoma californicum 10May25; 10Jun15; 10Jun21; 11Jul16; 12Jun17; 12Jul01;
 12Jul31; 13May01; 13Jun02; 13Jun30; 15May29; 16Apr29;
 18Jun01; 18Jul09; 18Aug22;
Malacosoma disstria 10May25; 10Jun18; 12Jun20; 13Jun30; 15May29; 16Apr29;
 18Jun01;
Malacosoma sp. 13Jun08;
Phyllodesma americana 13Jun30; 13Jul27; 13Aug27; 14May05; 14May19; 14Sep13;
 15Aug12; 16Mar16; 17Sep03; 18Sep09;
Tolyte distincta 17Aug12; 17Sep01; 18Jul26;
 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; 16Apr27; 16Apr29; 16Apr30; 16May01; 16May10;
 16May24; 16Jun05; 16Jun11; 16Jun15; 17Apr16; 17May03; 17May08;
 17Jun05; 18Apr10; 18Apr23; 18May03; 18May07; 18May18; 18Jul24;
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; 18Jun23;
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; 17Apr20; 17Apr21;
 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 johnsoni 16May11; 16May12; 16Jun04; 16Jun05; 18May07;
Lycaeides anna 12Aug 14; 13Jul14; 15Jun19; 15Jun21; 15Jun23; 15Jul18; 16Jul04;
 18Jul30;
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; 18Aug08;
Lycaena mariposa 11Sep09; 12Aug20; 12Sep17; 13Jul22; 15Aug29; 16May25; 15Jul20;
 17Aug23; 18Jul30; 18Jul30;
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; 18Jun23; 18Jun27;
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; 18Jul05; 18Sep04; 18Oct18; 18Oct19;

NOCTUIDAE

Abrostola urentis 15Jul29;

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

Acronicta dactylina 14Sep01;15Aug01; 15Aug13; 15Sep13; 16May21;16Oct05;17Jul03;
 17Sep09; 18Jun14; 18Jul08; 18Jul09;18Oct09;
Acronicta impleta 17Sep02;
Agrochola pulchella 17Oct01;
Agrochola purpurea 14Sep27; 17Oct03; 17Oct10; 17Oct15;
Agrotis ipsilon 15Oct11;
Agrotis obliqua 18May19;
Amphipyra tragopoginis 16Aug02; 18Jul27;
Anarta farnhami 14 Jul26;
Anarta nigrolunata 15Jun30;
Apamea amputatrix; 14Jul26; 15May26; 17Jul26; 18Jun25;
*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; 18Sep10;18Oct16;
Autographa corusca 11Aug02; 17Aug17;
Behrensia conchiformis 11Apr21; 13Apr07; 14Apr11;14Jun10;15Mar22; 15May05;
 15Jun11; 15Jun15; 16Apr01; 16Apr18; 17Apr25;17May05;
 18Apr12; 18Apr21; 18Apr25; 18Jun21; 18Jun24;
*Bellura obliqua*18Jul09;
Brachylomia populi 17Aug29;
Caradrina montana 18Aug16;
Cerastis enigmatica 13Mar30; 14Mar28; 14Apr03; 15Mar15; 18Apr07;
Cosmia praeacuta 12Aug18; 14Jul30; 18Aug22;
Cucullia florea 14May23;
Cucullia montanae 10Aug07; 10Sep30; 14Sep10; 14Oct28;16Dec07;
Cucullia postera 13Sep23;
Dargida procinctus 10Jul22; 10Aug18; 13Apr28; 13Oct25; 14Jul22;17Sep21; 17Oct21;
 18Oct12
Dichagyris variabilis 18Jul17;
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;
 18Jul10;
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; 18Sep10; 18Sep19;
Euxoa obeliscoides 14Aug22;
Euxoa perexcellens 17Aug29;
Euxoa sp. 18Aug22;
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; 18Jul31; 18Aug23; 18Sep02;
 18Sep10; 18Oct06;
Homoglaea dives 13Sep20; 18Feb11;
Homorthodes communis 14Sep15;
Homorthodes hanhami 19Jul20;
Ipimorpha nanaimo 14Aug03; 14Aug12; 14Sep05; 17Sep01; 18May17;
Lacanobia subjuncta 14Sep18;
Lacinipolia cuneata 18Jul08;
Lacinipolia patalis 14May29; 15May12; 18Jul08;
Lacinipolia pensilis 17Aug31; 17Sep22; 18Jul19; 18Aug01; 18Aug05; 18Aug12;
 18Aug14; 18Aug22;
Lacinipolia strigicollis 14Jul10; 18Jul03; 18Jul07; 18Aug04; 18Aug05; 18Aug14;
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 pertorrida 14Apr03; 14Sep23; 18Feb11;
Lithophane petulca 13Apr07; 14Apr07; 18Apr22; 18Sep02;
Lithomoia germana 17Sep22;

Melanchnra adjuncta; 14 Jul26;
Mesogona olivata 18Sep15;
Mythimna oxygala 18Jul09; 18Jul09;
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; 18Sep01; 18Sep04; 18Sep09; 18Sep23; 18Nov18;
Oligia divesta 17Aug31; 17Sep01; 17Sep16; 18Aug04; 18Aug05; 18Aug12; 18Aug19;
 18Aug20; 18Sep10
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; 18Jul09; 18Jul10;
 18Aug14;
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;
Properigea albimacula 18Jul09;
Protodeltote albidula 17Jul23;
Protorthodes rufula;
Raphia frater 18Jul08;
Spiramater lutra 18May19;
Sunira decipiens 17Sep18;
Sympistis dunbari 18Aug24;
Syngrapha viridisigma 15Aug29;
Trichoplusia ni 17Sep11; 17Sep28; 17Sep29; 17Oct01;
Ufeus satyricus 17Mar13;
Xestia xanthographa 14Aug22; 15Aug22; 17Sep15;

Xestia sp. 17Sep18;
Xylena curvimacula 15Mar27; 17Sep22;
Xestia finatimis 18Aug20; 18Sep20;
Xylena nupera 12Apr09; 14Mar10; 15Mar27;
Zotheca 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;
Nycteola sp. 18Jul07;

NOTODONTIDAE

Furcula scolopendrina 10Aug03; 10Aug13; 15Jul11; 18Jul09;
Gluphisia severa 14Apr03; 15Apr11; 16Apr16; 18May21;
Nadata gibbosa 14Jun08; 15May24; 15Aug12; 15Sep10; 16May13; 16Sep20; 17June30;
 17Aug29; 17Aug31; 17Sep14; 17Sep17; 18May21; 18Jun04; 18Jul02;
Oligocentria pallida 18Jul09;
Pheosia rimosa 15Jul25; 17Sep20; 17Sep23; 18Apr20;
Schizura ipomoeae 17Sep02; 18Jun14; 18Aug04;
Schizura unicornis 10Oct03; 12Aug12; 14Oct07; 17Sep11; 17Sep22; 18Jul11;

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; 18Jun23; 18Jul05; 18Aug01;
Cercyonis pegala 11Sep10; 12Aug06; 12Aug22; 13Jul27; 15Jul20; 17Aug16; 18Aug21;
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; 18Jun23; 18Aug06; 18Aug18;
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; 18Jun28; 18Jul05;
 18Jul11; 18Aug04;

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; 18Sep28;

Nymphalis californica 10Mar26; 10Apr20; 13Apr05; 13Apr22; 15Apr10; 15Apr21;
 15May04; 15May15; 16Mar05; 16Mar31; 16April21; 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; 18Sep09;

Polygonia gracilis 11Sep09; 12Sep08; 12Sep17; 13Apr14; 13Jul22; 14Jul17; 15Jun02;
 15Jun05; 16May08; 16Jul17; 17May07; 17Jun25; 17Jun27;
 17Aug23; 17Aug28; 17Sep06; 18May07; 18May13; 18Sep09;

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; 14 Jul26; 14Jul30; 14Aug12; 15Feb15;
 15Feb24; 15Mar10; 15May28; 15Jun08; 15Jul09; 16Apr29; 16Jun14;
 16June21; 16Jul01; 17April21; 18Apr22; 18May21;

Polygonia sp. 12Aug19; 13Jul04; 16Jun04; 18Apr01;

Speyeria hidaspe 12Sep17; 12Oct05; 13Jun18; 13Jul03; 13Jul09; 15Jun21; 15Jul20;
 15Aug03; 15Aug14; 16June17; 18Jun17; 18Jul30; 18Oct09;

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;
 18Jun27; 18Jun28; 18Sep01; 18Sep04; 18Sep08; 18Sep18; 18Oct11;
- 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; 18Sep19;

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; 18Jun28; 18Oct04
- 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; 18Jul02; 18Jul22;
 18Oct04;
- Papilio zelicaon* 10Apr21; 10Jul08; 11Jun02; 12Jun17; 13Jun18; 13Jul16; 13Jul25;
 14Jun08; 15May04; 15Jun21; 15Jul13; 15Jul20; 15Jul24; 15Jul29; 17May26;
 17Jun14; 17Jun24; 17Aug15; 18May05; 18Jun19; 18Aug06;
- Parnassius clodius* 13Jun15; 13Jul22; 14Aug06; 15Jun02; 15Jul18; 16Jun07; 16June17;
 16Jul24; 18Jun23;
- 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; 18Jul16;
 18Jul17; 18Jul27; 18Aug06; 18Aug08; 18Aug10;
Pieris marginalis 10Jul26; 10Aug03; 11Jul07; 13Apr08; 13Apr25; 13Jun16; 15Aug29;
 17Jun29; 18Jun23; 18Jun27; 18Jul09;
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; 18Jun28; 18Aug06; 18Aug18; 18Sep32;
 18Oct24; 18Oct26;

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 canariella 18Jul15;
Ypsolopha falciferella 14Feb12;

PTEROPHORIDAE

Amblyptilia pica 18Aug13; 18Aug28;
Emmelina monodactyla 10Aug18; 12Sep15; 13Jun24; 13Jul08; 13Oct07; 15Feb07
 17May13; 15Mar08; 15Mar16; 16Jul09; 17Apr19; 17May13; 17Sep03;
 18Aug17; 18Nov21;
 Unidentified 12Aug22; 15Jul06; 17Apr01; 18Sep13;

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;
 18Oct11;
Hemileuca eglanterina 10Sep28; 11Aug05; 15Jul01; 15Jul08; 15Jul09; 16Jun05; 16Jul07;
 17Jul01; 18May01; 18Jun06; 18Jul14; 18Jul25; 18Jul28;
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;
 18Jul15; 18Jul25; 18Aug10;
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; 18Jul09; 18Sep14;
Sphinx perelegans 10Aug13; 14Jun08; 15Jun11; 15Jun25; 16Jul14; 17Jun07; 17Jun08;
 17Jun13; 17Jul30; 18Jul27;

SYMMOCIDAE

Oecogonia quadripuncta 13Sep01; 15Jul03;

TISCHERIIDAE

Tischeria sp. 15May14;

TINEIDAE

Phereoeca uterella 17May29;
Tinea pelliionella 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;
Amorbia cuneana 18Jul09;
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; 18Jul02;
Clepsis spectrana 18Feb21;
Cydia nigricana 15Jul14;
Cydia pomonella 17Aug29;
Dichrorampha vancouverana 13Jul14; 15Jun30;
Ditula angustiorana 11Jul07;
Eana sp. 15Jun30;
Epinotia emargunana/solandriana 17Apr21;
Eucosoma 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; 18Jul11;
Pandemis sp. 11Jun14;
Retinia picicolana 16April21;

Rhyaciona buoliana 15Jul11;
Syndemis afflictana?? 12Dec03;
 Unidentified 11Jul26; 13Jun08; 15Jun01;

URANIIDAE

Callizzia amorata 13Aug04; 17May30; 18Jul16; 18Aug05;

YPONOMEUTIDAE

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

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

Mantodea

MANTIDAE

Mantis religiosa

Microcoryphia

Unidentified 15Jun06;

Neuroptera

CHRYSOPIDAE

Chrysopa sp. 10Jun16; 12Jul07; 15Jun30; 16April22; 18Apr27;
Nothochrysa californica 14Apr11; 16Apr17; 17Apr27;
 Unidentified 10Aug31; 11Jun13; 18Oct10;

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; 18Sep20;
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; 18Jun21; 18Jun22;
 18Jun23; 18Jul02; 18Jul12;
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; 18Jul03;
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; 18Aug21;

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; 18Jul23;

LIBELLULIDAE

Erythemis collocata 11Aug5; 12Jul13; 13Jul07; 13Jul30; 14Jul03; 15Jun10; 15Jun15;
 15Jun25; 16Jun23; 16Jul28; 16Jul30; 17Jun14; 17Jun26; 17Jul04;
 17Aug09; 18Jun18; 18Jul24; 18Aug21;
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; 12Jul28; 13Jun09; 13Jul01; 13Jul30; 14Jul03;
 15Jun07; 15Jun10; 15Jun15; 16Jun06; 16Jul02; 17Jun21; 17Jul26;
 17Aug07; 17Aug15; 18May22; 18Jun22; 18Jun24; 18Jul02; 18Aug03;
Libellula quadrimaculata 10Jul12; 10Jul14; 11May21; 13Jun29; 13Jul01; 13Aug23;

14May21; 14Jun01; 15May22; 15May31; 16May08; 16Jun06;
 16Jul19; 17May26; 17Jun01; 18May07; 18Jul06; 18Jul24;
Pachydiplax longipennis 10Jun22; 10Jul14; 10Jul30; 13Jun29; 13Jul09; 13Jul30;
 14Jun08; 14Jul30; 15Jun01; 15Jun08; 15Aug02; 17May24; 17Jul05;
 18Jul24;
Plathemis lydia 10Jul12; 11Jun24; 11Jul07; 13Jul07; 15Jun15; 17Jun26; 18Jun24;
 18Jun27; 18Jul09; 18Aug16; 18Oct07;
Sympetrum corruptum 10Oct13; 12Aug26; 13Oct14; 13Oct15; 16Jun27; 16Jul28;
 16Sep11; 16Sep23; 18Aug21;
Sympetrum costiferum 13Jul02; 16Jul28; 16Sep19; 18Oct07;
Sympetrum danae 12Sep27; 12Oct07;
Sympetrum illotum 10Jun14; 10Jul12; 10Jul14; 10Jul23; 13Jun14; 13Jul01;
 14Jun01; 15May28; 15Jun07; 15Oct15; 16May12; 16Jun06; 16Aug03;
 17Jun05; 18May22; 18Jun24; 18Jul02; 18Jul24; 18Sep13;
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; 18Nov20;
Sympetrum sp. 12Sep24; 13Jun29; 13Jul01; 13Jul06; 15Oct03; 15Oct25; 17Aug22;
 18Oct07;
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; 18Jul22;
Melanoplus bivittatus 10Aug18; 14Sep05; 16Jul19; 16Sep19;
Melanoplus sanguinipes 12Oct14;
Melanoplus femurrubrum 16Aug29; 18Jul28; 18Aug25;
Melanoplus sp. 10Jul22; 16Oct12;
Trimerotropis fontana 12Oct 14; 16Sep14; 16Sep23;
Trimerotropis fontana/verruculata 12Sep26
Trimerotropis pallidipennis 12Oct 14;
Trimerotropis verruculata 10Oct 01; 17Sep06; 18Aug05; 18Aug09;
 Unidentified 12Sep14; 13Sep22; 14Sep01; 15Aug08; 15Aug13; 15Sep23; 17Jun20;

GRYLLIDAE

Gryllus pennsylvanicus 10Sep25

RHAPHIDOPHORIDAE

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

Tropidischia xanthostome 19Jan05;

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; 18Nov10;

Lenarchus rho 17Sep18;

Limnephilus fagus 17May19;

Limnephilus sp. 18Oct09;

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

MALACOSTRACA

Decapoda

ASTACIDAE

Pacifastacus leniusculus 18Jul18;

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
 Eutelliidae
 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 Erebiidae 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 Erebiidae.

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.