

LEPIDOPTERA OF A MIXEDWOOD QUARTER, 8 KM NW OF WINFIELD, ALBERTA, 1999-2011

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Mixed woods beside East Poplar Creek, 28 September 2008

INTRODUCTION

This report is of the Lepidoptera collected or observed by the author in a west-central Alberta area in the 13 year period from 1999 to 2011.

THE AREA

The quarter is located 8 km (5 miles) NW of Winfield (SW34-46-4-W5; dec. lat/long 53.01, 114.50). To reach it, drive 4 miles west on Hwy 13 from its intersection with Hwy 20. Turn right on "Poplar Valley Road" and drive 1 mile north to the "T" intersection. Then drive ½ mile east to the "No Exit" road on your left. Then drive north for 2 miles. Next take the access road on your right into the SW corner of the quarter. The land was purchased by Charles & Ann Bird in January 1999 from Hal Liebrecht, a retired teacher from Leduc. The quarter had been purchased in 1973 by Doug Troock and

Hal Liebrecht from John Basaraba and some locals call it the Basaraba Quarter. Basaraba either purchased or homesteaded the land in the 1930's.

The land lies at an average elevation of 3000 ft [915 m] (Red Deer is 2800 [850], Edmonton is 2100 [640], Erskine is 2666 [800]). It drains to the SE, E, NE and N. East Poplar Creek meanders from the south to the north along the east side of the quarter. Some land belonging in the quarter lies on the east side of the creek. This includes a treed area in the middle of the east side and a SW facing, mainly grassy slope in the NE corner. An access road runs from the SW corner through forest to a SW-NE clearing of some 20-25 acres, near the end of which is a 20x32 ft cabin, built in 1975, and a number of old, log buildings built many years previously.

The forest is primarily of aspen, balsam poplar and white spruce, with some paper birch, lodgepole pine and alpine fir. Old stumps with burn marks indicate a fire many years ago. It had been selectively logged over 50 years ago. Periodic outbreaks of Forest Tent Caterpillar have thinned out the aspen.

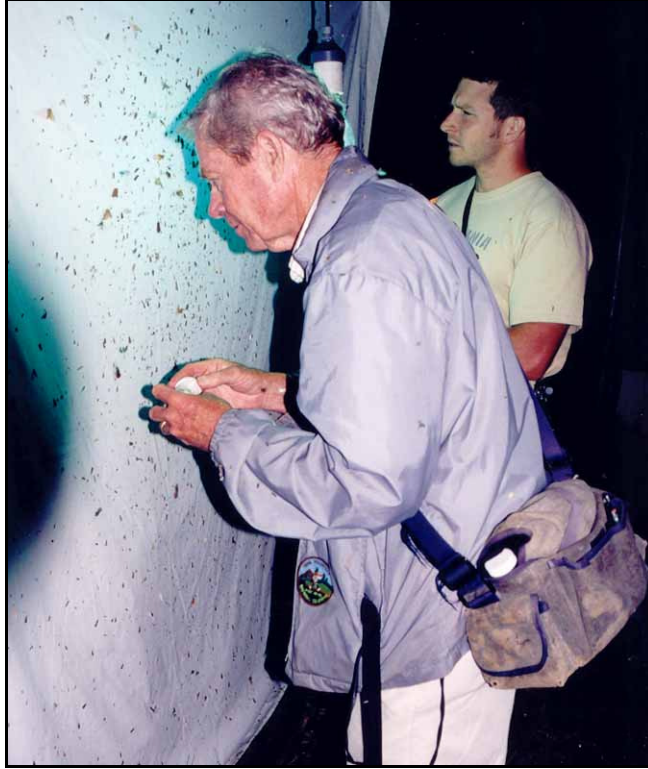


Dr. Len Hills examining an exposure, 14 December 1999.

Dr. Len Hills examined the cut bank below the cabin and interpreted it. The bottom is of gray, pebbly mudstone that had been compacted under glacial ice. Mixed in with it are a variety of rocks and stones (eg. chert, quartzite, gneiss) which prove that the till was from the Laurentide Glaciation, ie. from the NE. Above the till are several layers of sand and gravel. These show evidence of crossbedding by the angles of the deposit, first of palaeowater flowing south (the stream now flows north) indicating that glacial melt water was flowing away from the glacier, then of water flowing north, as the creek presently flows. The uppermost layer is a clay-sand colluvium of upslope sediment.

COLLECTING METHODS

Diurnal Lepidoptera were collected by hand netting with a "butterfly" net. Nocturnal Lepidoptera were collected with ultraviolet (UV or blacklight) bucket traps and also by hand collecting at a sheet illuminated by a mercury vapor light. Ethyl acetate was employed as a killing agent.



Jerry Powell and Dan Rubinoff collecting moths in the area at a sheet illuminated by an MV light, July 21, 2003.

SPECIMEN DISPOSITION

All specimens collected by the writer presently reside in his collection but most will eventually go to the University of Alberta Strickland Museum (UASM), and some will be deposited in the Canadian National Collection (CNC) in Ottawa and the Northern Forest Research Centre (NFRC) in Edmonton. All specimens have been databased and the information on verified material can be viewed at <http://www.entomology.ualberta.ca/searching.php>.

THE FOLLOWING CHECKLIST

Recent DNA and other research has resulted in many changes in Family and other systematic arrangements. Pohl et al (2010) have put together an up-to-date annotated list of the Lepidoptera of Alberta. They include 2367 species, many more than those mentioned by Bowman (1951). This list incorporates recent changes in taxonomy of all groups according to various literature sources, including those listed for the Noctuoidea by Lafontaine & Schmidt (2010). In previous reports, the order and terminology, were that of the "Check List of the Lepidoptera of America North of Mexico" (1983) edited by R.W. Hodges. The species order and taxonomy in this report is that of Pohl et al (2010) followed by that in Hodges (1983). Common names are mentioned in those cases where such names are known.

While most of the larger (macromoths) are relatively well known, the same cannot be said for many of the smaller (micromoths) ones. Identifications, especially of the latter, can be difficult or are at present impossible, until such time as revisionary studies are made. Also, genitalic dissection and examination is necessary for positive identification in some groups. For these reasons, some of the determinations found herein should be regarded as tentative. The scientific names of the species are

followed by the day-month-year of the collection and the number of individuals mounted. Common names are mentioned in those cases where such names are known.

Collection dates are given as day - month in roman numerals - year. If a letter is given after a day it indicates a particular site. The final number indicates the number of specimens mounted. An "SR" indicates a sight record. "Lots" indicates that numerous individuals were observed.

SYSTEMATIC LIST

Family unknown – 1C-V-2008 1.

ERIOCRANIIDAE – Eriocraniid Moths

1. *Eriocrania semipurpurella* (Steph.) (5. *Eriocrania semipurpurella* (Steph.)) – 5-V-2001 1, 12-V-2001 1, 12-V-2003 1 and 26-IV-2006 2.

HEPIALIDAE – Ghost Moths

3. *Gazoryctra hyperboreus* (Mösch.) (23. *Gazoryctra hyperboreus* (Mösch.)) – 25-VIII-2003 14, 2-IX-2003 2, 21-VIII-2004 2, 20A-VIII-2005 2 and 3-IX-2005 1.
5. *Gazoryctra novigannus* (B. & Benj.) (29. *Gazoryctra novigannus* (B. & Benj.)) (Novigannus Ghost Moth) – 26-VIII-2000 1, 8-IX-2000 1, 9-IX-2000 1, 16-IX-2000 1, 17-IX-2000 6, 25-VIII-2001 1, 2-IX-2001 1, 3-IX-2001 1, 15-IX-2001 1, 25-VIII-2003 4, 2-IX-2003 2, 21-IX-2003 1, 21-VIII-2004 2, 13-IX-2004 1, 20A-VIII-2005 1, 13C-VIII-2006 1, 22B-VIII-2009 1, 5B-IX-2009 1 and 3-IX-2011 3.
6. *Korscheltellus gracilis* (Grt.) (31. *Korscheltellus gracilis* (Grt.)) (Conifer Swift Moth) – 31B-VII-2010 1.
8. *Sthenopsis purpurascens* (Steph.) (19. *Sthenopsis purpurascens* (Steph.)) (Large Ghost Moth) – 28-VII-2000 2, 12-VII-2001 1, 18-VII-2001 1, 17-VII-2006 2 and 16-VII-2011 1.

NEPTICULIDAE – Nepticulid Moths

Species indet. – 2-IX-2001 1. Two genera, with two species each, are mentioned for Alberta in Pohl et al. – *Stigmella* and *Ectoedemia*.

Ectodoemia sp. – 12-V-2001 1 and 25-V-2001 1, both det as such by J.-F. Landry. The two species mentioned for Alberta in Pohl et al. are *Ectodoemia canadensis* (Braun) and *E. weaveri* (Stainton).

PRODOXIDAE – Prodoxid Moths

Prodoxidae, Lamproniinae

21. *Lampronia aenescens* (Wlsm.) (184. *Lampronia aenescens* (Wlsm.)) – 14-VI-2003 1.
22. *Lampronia sublustris* Braun (185. *Tanysaccus sublustris* Braun) – 11-VI-2001 1, 7-VI-2003 1, 14-VI-2003 5, 10-VI-2004 1, 10A-VI-2005 3, 1-VI-2007 1 and 12-VI-2011 1.
23. *Lampronia humilis* (Wlsm.) (186. *Tanysaccus humilis* (Wlsm.)) – 7-VI-2003 1?

TINEIDAE – Tineid Moths

Tineidae, Tineinae

44. *Tinea irrepta* Braun (399. *Tinea irrepta* Braun) – 11-VII-2001 1, 26-VI-2004 3, 12-VII-2004 1 and 22B-VIII-2009 1.
47. *Nideitinea orleansella* (Cham.) (412. *Niditinea orleansella* (Cham.)) – 4-VII-2003 1.
49. *Monopis laevigella* (D. & S.) (Not in Hodges but probably the same as 420 *Monopis rusticella* (Hbn.) which is) – 11-VI-2001 1.
51. *Monopis spilotella* (Teng.) (421. *Monopis spilotella* Tengström) – 28-IX-2002 1, 17-VII-2003 2, 18-VII-2003 1, 12-VII-2004 1, 19-VII-2004 1, 16-VIII-2005 1, 17-VII-2006 1, 13C-VIII-2006 1, 15-VI-2007 1, 31A-V-2008 1, 20A-VI-2008 1, 13-VII-2008 1, 22A-VIII-2009 1, 22B-VIII-2009 1, 5A-IX-2009 1, 12C-VI-2010 1 and 31B-VII-2010 1.

GRACILLARIIDAE – Gracilariid Moths

Gracillariidae, Gracillariinae

Species indet. – 4-VI-2000 1.

66. *Caloptilia alnivorella* (Cham.) (587. *Caloptilia alnivorella* (Cham.)) (Alder Leafminer) – 16-IX-2000 1, 6-VIII-2005 1, 29-IV-2006 2, 19A-V-2006 1, 18A-VII-2009 1, 24B-VII-2010 1 and 15B-VIII-2010 1.
67. *Caloptilia anthobaphes* (Meyr.) (589. *Caloptilia anthobaphes* (Meyr.)) – 10A-VI-2005 1, 25A-VI-2005 1, 13A-VI-2009 1 and 13B-VI-2009 1.
68. *Caloptilia betulivora* McD. (594.1. *Caloptilia betulivora* McD.) – 3-IV-2000 1, 30-IV-2000 1, 26-V-2000 1, 17-VI-2000 1, 17-IX-2000 1, 24-IX-2000 4, 13-X-2000 1, 3-XI-2000 1, 12-V-2001 8, 25-V-2001 3, 26-V-2001 2, 15-IX-2001 1, 8-VI-2002 3, 28-IX-2002 1, 23-V-2003 2, 7-VI-2003 1, 27-IX-2003 1, 21-VIII-2004 1, 25-IX-2004 4, 4-X-2004 5, 13-X-2004 4, 23-IV-2005 2, 14B-V-2005 1, 14C-V-2005 5, 24-IX-2005 2, 23B-IX-2005 3, 29-IV-2006 5, 6-V-2006 1, 19A-V-2006 1, 3A-VI-2006 1, 5B-IX-2009 1, 25B-IX-2009 1, 18B-V-2010 1, 15B-V-2010 2, 15C-V-2010 1, 12C-VI-2010 1 and 20C-VIII-2011 1.
76. *Caloptilia stigmatella* (F.) (639. *Caloptilia stigmatella* (F.)) – 4-VI-2000 1, 8-IX-2000 1, 16-IX-2000 1, 12-V-2001 1, 25-V-2001 3, 26-V-2001 1, 8-VI-2002 1, 23-V-2003 1, 7-VI-2003 2, 22-VII-2003 1, 16-VIII-2003 1, 25-IX-2004 3, 4-X-2004 1, 14B-V-2005 4, 14C-V-2005 3, 28B-V-2005 3, 20A-VVV-2005 3, 24B-IX-2005 1, 29-IV-2006 1, 6-V-2006 2, 3A-VI-2006 1, 15-VI-2007 1, 13A-VI-2009 1, 18A-IV-2010 1 and 15C-V-2010 1.
- Caloptilia* sp. nr. *stigmatella* – 28B-V-2005 1.
77. *Caloptilia strictella* (Wlk.) (640. *Caloptilia strictella* (Wlk.)) – 6-VIII-2005 2 and 22A-VIII-2009 1.
78. *Gracillaria syringella* (F.) (645. *Caloptilia syringella* (F.)) (Lilac Leafminer) – 14C-V-2005 1. If correctly determined, this moth may have an additional foodplant as Lilac (*Syringa vulgaris*) is absent from the area. Placed in the genus *Gracillaria* in Pohl et al. 2011.
79. *Micrurapteryx salicifoliella* (Cham.) (647. *Micrurapteryx salicifoliella* (Cham.)) (Willow Leafblotch Miner Moth) – 14B-V-2005 1 and 1B-VII-2006 2.
81. *Parectopa pennsylvaniella* (Engel) (655. *Parectopa pennsylvaniella* (Engel)) – 12-VII-2004 1, 10A-VI-2005 2, 25A-VI-2005 1, 19A-VI-2006 2 and 1C-VII-2006 1.
82. *Parornix conspicuella* (Dietz) (669. *Parornix conspicuella* (Dietz)) – 12-VII-2004 2, 29-VII-2004 1, 10A-VI-2005 1, 10B-VI-2005 1, 19B-VI-2006 1, 1B-VII-2006 1, 21A-VII-2007 1, 20-VII-2008 2, 25A-IX-2009 1 and 15B-V-2010 1.
83. *Acrocercops astericola* (F. & B.) (692. *Acrocercops astericola* (F. & B.)) – 4-VII-2003 1.
- Phyllonorycter* spp. – 4-VII-2003 1, 21-VII-2003 1, 17-VII-2003 3, 14C-V-2005 1, 5A-IX-2009 2, 25A-IX-2009 1, 15C-V-2010 1, 18C-VI-2010 1 and 18B-VII-2010 3.
85. *Phyllonorycter apparella* (H.-S.) (798. *Phyllonorycter apparella* (H.-S.)) (Aspen Leafblotch Miner Moth) – 5-V-2000 1, 14-V-2000 3, 20-V-2000 2, 26-V-2000 2, 29-VI-2000 1, 16-IX-2000 1, 24-IX-

2000 2, 12-X-2000 1, 13-X-2000 2, 16-X-2000 1, 3-XI-2000 1, 7-IV-2001 1, 5-V-2001 5, 12-V-2001 2, 25-V-2001 1, 8-VI-2002 1, 15-VI-2002 1, 12-VII-2004 1, 8-IV-2006 1, 29-IV-2006 7 and 19A-V-2006 1.

YPONOMEUTIDAE – Ermine Moths

Yponomeutidae, Yponomeutinae

90. *Swammerdamia caesiella* (Hbn.) (2413. *Swammerdamia caesiella* (Hbn.)) – 15-VI-2002 1, 13A-VI-2009 1 and 13B-VI-2009 1.
Euhyponomeutoides sp. – 11-VI-2001 1.
 93. *Euhyponomeutoides gracilariella* (Bsk.) (2426. *Zelleria gracilariella* (Bsk.)) – 25-III-2000 1, 3-IV-2000 1, 16-IX-2000 1, 24-IX-2000 1, 12-V-2001 1, 25-V-2001 1, 16A-V-2009 1, 13A-VI-2009 1, 18A-IV-2010 1 and 12B-VI-2010 1.

ARGYRESTHIIDAE – Needleminer Moths

- Argyresthia* sp. – 20-VII-2008 1 and 24B-VII-2010 2.
 96. *Argyresthia conjugella* Zell. (2449. *Argyresthia conjugella* Zell.) (Apple Fruit Moth) – 15-VII-2000 1, 27-VI-2001 1, 13-VII-2002 1?, 14-VI-2003 2, 4-VII-2003 4, 18-VII-2003 1, 12-VII-2004 3, 19B-VI-2006 4, 1B-VII-2006 1 and 20-VII-2008 2.
 97. *Argyresthia goedartella* (L.) (2457. *Argyresthia goedartella* (L.)) (Bronze Alder Moth) – 20-VII-2008 1 and 15B-VIII-2010 1.
 101. *Argyresthia oreasella* (Clem.) (2467. *Argyresthia oreasella* (Clem.)) (Cherry Shoot Borer Moth) – 6-VIII-2000 1, 12-VII-2001 1, 18-VII-2003 1, 22-VII-2003 1, 16-VIII-2003 6, 26-VIII-2003 2, 29-VII-2004 2, 6-VIII-2005 2, 20A-VIII-2005 3, 1B-VII-2006 1, 17-VII-2006 2, 13C-VIII-2006 1, 21A-VII-2007 1, 22-VIII-2007 2, 20-VII-2008 1, 1A-VIII-2009 1, 1B-VIII-2009 1, 5B-IX-2009 1, 31B-VII-2010 1, 15B-VIII-2010 2, 20B-VIII-2011 2 and 20C-VIII-2011 2.
 103. *Argyresthia pygmaeella* (Hbn.) (2474. *Argyresthia pygmaeella* (Hbn.)) – 28-VII-2000 1, 17-VIII-2000 2, 3-VIII-2002 1, 17-VII-2003 1, 22-VII-2003 1, 6-VIII-2005 1 and 20A-VIII-2005 1.

YPSOLOPHIDAE – Falcate-winged Moths

Ypsolophidae, Ypsolophinae

104. *Ypsolopha canariella* (Wlsm.) (2371. *Ypsolopha canariella* (Wlsm.)) (Canary Ypsolopha Moth) – 29-VII-2000 1, 5-VIII-2000 3, 17-VIII-2000 1, 18-VIII-2000 1, 2-VIII-2001 1, 14-VIII-2001 1, 26-VIII-2003 1, 2-IX-2003 1, 20A-VIII-2005 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 5B-IX-2009 1, 25B-IX-2009 1, 31B-VII-2010 1, 15B-VIII-2010 1 and 3-IX-2011 1.
 106. *Ypsolopha dentiferella* (Wlsm.) (2376. *Ypsolopha dentiferella* (Wlsm.)) – 6-VIII-2000 1, 17-VIII-2000 1, 17-IX-2000 1, 16-VIII-2003 1, 13C-VIII-2006 1, 24B-VII-2010 1, 31B-VII-2010 1 and 20C-VIII-2011 1.
 108. *Ypsolopha falciferella* (Wlsm.) (2380. *Ypsolopha falciferella* (Wlsm.)) – 5-V-2000 1, 17-IV-2001 1, 12-V-2001 3, 11-V-2002 2, 28-IX-2002 1, 12-V-2003 1, 8-IV-2006 1, 13C-IV-2008 1, 2B-V-2009 1, 2C-V-2009 1 and 13B-VI-2009 1.
 111. *Ypsolopha senex* (Wlsm.) (2392. *Ypsolopha senex* (Wlsm.)) -1B-VIII-2009 1.

PLUTELLIDAE – Plutellid Moths

113. *Plutella vanella* (Wlsm.) (2365. *Plutella vanella* Wlsm.) – 15-VII-2000 1, 28-VII-2000 4, 29-VII-2000 2, 11-VII-2001 3, 12-VII-2001 1, 18-VII-2001 2, 17-VII-2003 4, 21-VII-2003 4, 12-VII-2004 1, 29-VII-2004 3, 1B-VII-2006 2, 17-VII-2006 2, 21A-VII-2007 2, 13-VII-2008 1, 20-VII-2008 1, 18B-VII-2009 1, 24A-VII-2010 1 and 31B-VII-2010 1.
114. *Plutella xylostella* (L.) (2366. *Plutella xylostella* (L.)) (Diamondback Moth) – 25-V-2001 1, 11-VI-2001 1, 14-VIII-2001 1, 25-VIII-2001 1, 15-IX-2001 1, 14-VI-2003 1, 22-VII-2003 1, 16-VIII-2003 1, 21-IX-2003 1, 13-IX-2004 1, 14C-V-2005 1, 21-V-2005 1, 6-VIII-2005 1, 20A-VIII-2005 1, 24A-IX-2005 1 and 20C-VIII-2011 1.
117. *Rhigognostis interrupta* (Wlsm.) (2360. *Plutella interrupta* (Wlsm.)) – 12-V-2003 2, 18A-IV-2010 2 and 15B-V-2010 1.

LYONETIIDAE – Lyonetiid Moths

Lyonetiidae, Lyonetiinae

Species indet. – 12-VII-2001 1.

- 124.1. *Lyonetia saliciella* Bsk. (471. *Lyonetia saliciella* Bsk.) – 2000 (out on loan to Dr. Don Davis).

ELACHISTIDAE – Concealer Moths

Elachistidae, Depressariinae

130. *Agonopterix gelidella* (Bsk.) 855. *Agonopterix gelidella* (Bsk.) – 8-VIII-2000 1, 18-VII-2001 1, 16-VIII-2003 2, 20A-VIII-2005 3, 25A-IX-2009 1 and 25B-IX-2009 1.
134. *Agonopterix rosaciliella* (Bsk.) (876. *Agonopterix rosaciliella* (Bsk.)) – 22-IV-2000 3, 5-V-2000 1, 20-V-2000 1, 16-IX-2000 1, 17-IX-2000 1, 24-IX-2000 1, 12-X-2000 1, 13-X-2000 2, 17-IV-2001 10, 5-V-2001 8, 12-V-2001 9, 19-V-2001 1, 25-V-2001 1, 2-IX-2001 5, 20-IV-2002 3, 11-V-2002 6, 18-V-2005 5, 12-V-2003 3, 23-V-2003 6, 7-VI-2003 2, 23-IV-2005 1, 14C-V-2005 5, 8-IV-2006 1, 29-IV-2006 1, 12B-V-2007 4, 2B-V-2009 1, 2C-V-2009 1, 26B-V-2009 2, 13B-VI-2009 1, 18A-IV-2010 2, 18B-IV-2010 1, 15B-V-2010 1 and 15C-V-2010 1.
135. *Agonopterix canadensis* (Bsk.) (878. *Agonopterix canadensis* (Bsk.)) (Canadian Agonopterix Moth) – 5-VIII-2000 1, 21-VII-2003 1, 1B-VII-2006 3 and 20-VII-2008 1.
138. *Agonopterix argillacea* (Wlsm.) (889. *Agonopterix argillacea* (Wlsm.)) – 3-IV-2000 2, 22-IV-2000 5, 29-IV-2000 1, 30-IV-2000 2, 5-V-2000 7, 13-V-2000 4, 20-V-2000 2, 26-V-2000 4, 17-VI-2000 1, 16-IX-2000 1, 17-IX-2000 1, 13-X-2000 1, 6-IV-2001 3, 17-IV-2001 18, 12-V-2001 1, 25-V-2001 3, 26-V-2001 2, 20-IV-2002 3, 11-V-2002 2, 20-IV-2002 1, 11-V-2002 1, 18-V-2002 1, 12-V-2003 1, 25-IX-2004 1, 24B-IX-2005 2, 8-IV-2006 3, 13B-IV-2008 2, 13C-IV-2008 3, 13B-VI-2009 1, 18A-IV-2010 2, 20C-IV-2010 1, 18C-VIII-2010 1 and 7-V-2011 2.
143. *Depressariodes ciniflonella* (Lienig & Zell.) (908. *Depressariodes ciniflonella* (Lienig & Zell.)) – 5-V-2000 1, 20-V-2000 1, 4-VI-2000 1, 9-IX-2000 1, 17-IX-2000 1, 24-IX-2000 1, 12-X-2000 1, 13-X-2000 1, 6-IV-2001 1, 17-IV-2001 1, 12-V-2001 1, 25-V-2001 1, 2-IX-2001 1, 15-IX-2001 1, 18-V-2002 1, 15-VI-2002 1, 12-X-2002 1, 19-X-2002 1, 28-IX-2002 1, 12-V-2003 1, 16-VIII-2003 1, 26-VIII-2003 1, 21-IX-2003 1, 27-IX-2003 1, 21-VIII-2004 1, 25-IX-2004 1, 14B-V-2005 1, 14C-V-2005 1, 28B-V-2005 1, 20A-VIII-2005 1, 24A-IX-2005 1, 8-IV-2006 2, 29-IV-2006 3, 24-IX-2006 1, 24-III-2007 1, 13C-IV-2008 1, 2B-V-2009 1, 2-X-2009 1, 18A-IV-2010 2 and 15B-V-2010 1.
145. *Bibarrambra allenella* (Wlsm.) (911. *Bibarrambra allenella* (Wlsm.)) (Bog Bibarrambra) – 29-VI-2000 2, 22-VII-2000 1, 27-VI-2001 2, 4-VII-2003 2, 12-VII-2004 1, 10B-VI-2005 1, 3A-VI-2006 1, 19A-V-

- 2006 1, 19B-VI-2006 1, 1B-VII-2006 1, 15-VI-2007 1, 13B-VI-2009 1, 18A-VII-2009 1 and 5A-IX-2009 1.
146. *Semioscopis packardella* (Clem.) (912. *Semioscopis packardella* (Clem.)) (Packard's Concealer Moth) – 12-V-2001 2, 25-V-2001 1, 12-V-2003 1, 23-V-2003 1, 23-IV-2005 1, 28B-V-2005 1, 6-V-2006 2, 12B-V-2007 3, 13B-IV-2008 1, 16A-V-2009 1, 16B-V-2009 2, 15C-V-2010 1 and 12C-VI-2010 1.
147. *Semioscopis merricella* (Dyar) (913. *Semioscopis merricella* (Dyar)) – 25-V-2001 1, 2B-V-2009 1, 2C-V-2009 2 and 15C-V-2010 1.
148. *Semioscopis inornata* Wlsm.) (914. *Semioscopis inornata* Wlsm.) – 8-IV-2000 1, 22-IV-2000 1, 5-V-2000 1, 6-IV-2001 1, 17-IV-2001 1, 5-V-2001 1, 12-V-2001 1, 23-V-2003 1, 23-IV-2005 1, 8-IV-2006 2, 29-IV-2006 2, 12B-V-2007 2, 13B-IV-2008 1, 13C-IV-2008 1, 2C-V-2009 1, 16B-V-2009 1, 18A-IV-2010 1, 18B-IV-2010 1 and 7-V-2011 1.
149. *Semioscopis megamicrella* Dyar) (915. *Semioscopis megamicrella* Dyar) – 22-IV-2000 1, 5-V-2000 1, 7-IV-2001 1, 17-IV-2001 3, 12-V-2001 2, 11-V-2002 1, 18-V-2002 1, 12-V-2003 1, 23-V-2003 1, 23-IV-2005 1, 14B-B-2005 1, 14C-V-2005 1, 29-IV-2006 1, 6-V-2006 1, 13B-IV-2008 1, 13C-IV-2008 1, 2B-V-2009 1, 16A-V-2009 1, 16B-V-2009 1, 18A-IV-2010 1, 18B-IV-2010 1 and 15C-V-2010 1.
150. *Semioscopis aurorella* Dyar (916. *Semioscopis aurorella* Dyar) – 29-IV-2000 1, 6-IV-2001 1, 17-IV-2001 13, 20-IV-2002 2, 18-V-2002 1, 12-V-2003 1, 23-IV-2005 1, 12B-V-2007 1, 13C-IV-2008 2, 2C-V-2009 2 and 16B-V-2009 1.
153. *Depressaria pastinacella* (Dup.) (922. *Depressaria pastinacella* (Dup.)) (Parsnip Webworm Moth) – 13B-VI-2009 1 and 15B-V-2010 1.
155. *Depressaria alienella* Bsk. (926. *Depressaria alienella* Bsk.) – 25-VIII-2001 1, 2-IX-2001 3, 15-IX-2001 3, 25-VIII-2003 3, 40VII-2003 1, 2-IX-2003 1, 20A-VIII-2005 2, 2-IX-2006 1, 22B-VIII-2009 2, 5A-IX-2009 1, 5B-IX-2009 1 and 3-IX-2011 1.
158. *Nites betulella* (Bsk.) (944. *Nites betulella* (Bsk.)) (Black-dotted Birch Leaf-tier) – 6-VIII-2005 1, 20A-VIII-2005 5, 24A-IX-2005 1 and 24B-IX-2005 1.

Elachistidae, Elachistinae

- Elachista* spp. – 15-VII-2000 1, 14-VI-2003 1, 22-VII-2003 1, 16-VIII-2003 1, 29-VII-2004 2, 17-VII-2006 1 and 18B-VII-2009 1.
164. *Elachista orestella* Bsk. (1083. *Elachista orestella* Bsk.) – 20-VII-2008 1.
173. *Elachista maritimella* McD. (1113. *Elachista maritimella* McD.) – 24-VI-2000 1.

Elachistidae, Agonoxeninae – Agonoxenid Moths

181. *Blastodacna curvilineella* (Cham.) (1461. *Blastodacna curvilineella* (Cham.)) – 14C-V-2005 1, 6-V-2006 1, 31A-V-2008 1 and 15C-V-2010 1.

XYLORYCTIDAE – Teardrop Moths

Xyloryctidae, Scythridinae

187. *Asymmetrura impositella* (Zell.) (1662. *Asymmetrura impositella* (Zell.)) – 22-VII-2003 1. Collected by Dr. Jerry Powell by diurnal sweep netting in a wet draw with sedges.

GLYPHIDOCERIDAE – Glyphidocerid Moths

189. *Glyphidocera hurlberti* Adamski (Not in Hodges) – 4-VI-2000 1, 15-VI-2002 1 and 10B-VI-2005 1.
Described by Adamski (2000).

OEOPHORIDAE – Oecophorid Moths

Oecophoridae, Oecophorinae, Oecophorini

191. *Brymblia quadrimaculella* (Cham.) (1055. *Brymblia quadrimaculella* (Cham.)) – 4-VII-2003 1 and 21-VII-2003 1.
192. *Denisia haydenella* (Cham.) (1056. *Denisia haydenella* (Cham.)) – 29-VI-2002 1.

BATRACHEDRIDAE – Batrachedrid Moths

Batrachedridae, Batrachedrinae

196. *Batrachedra praeangustata* (Haw.) (1399. *Batrachedra praeangustata* (Haw.)) – 16-VIII-2003 1 and 6-VIII-2005 1.

COLEOPHORIDAE – Coleophorid Moths

Coleophoridae, Coleophorinae – Casebearer Moths

This group is being extensively monographed by Dr. Jean-François Landry for the Moths of North America series. Numerous specimens from the BIRD Collection are currently with Dr. Landry. Most of the following determinations were made by Dr. Landry.

- Coleophora* spp. – 12-VII-2001 1, 22-VII-2003 1, 29-VII-2004 1, 17-VII-2006 1, 31A-V-2008 1, 20A-VI-2008 1, 20-VII-2008 5, 13B-VI-2009 1, 1B-VIII-2009 1, 15B-V-2010 1 and 16-VII-2011 1.
196.9. *Coleophora multipulvella* Cham. (1254. *Coleophora malivorella* Riley) – 18-VII-2003 2, 1B-VII-2006 1 and 1C-VII-2006 1. Reported as new for Alberta in Pohl et al. 2011.
198. *Coleophora rosafoliella* Clem. (1262. *Coleophora rosaefoliella* Clem.) – 14-VI-2003 2 and 4-VII-2003 1.
199. *Coleophora pruniella* Clem. (1271. *Coleophora pruniella* Clem.) (Cherry Case-bearer Moth) – 4-VII-2003 3, 18-VII-2003 1, 12-VII-2004 2 and 25A-VIII-2005 1.
203.1. *Coleophora cornella* Wlsm. (1297. *Coleophora cornella* Wlsm.) – 29-VI-2000 1 and 10B-VI-2005 1. Reported as new for Alberta in Pohl et al 2011.
204. *Coleophora alnifoliae* Barasch (1298. *Coleophora alnifoliae* Barasch) – 29B-VI-2006 1.
209. *Coleophora mcdunnoughiella* Oud. (1321. *Coleophora mcdunnoughiella* Oudejans) – 29-VI-2000 1.
214. *Coleophora sparsipulvella* Cham. (1352. *Coleophora sparsipulvella* Cham.) – 16-VIII-2006 1.
221. *Coleophora mayrella* (Hbn.) (1387. *Coleophora spissicornis* (Haw.)) (Metallic Casebearer Moth) – 7-VII-2000 1, 4-VII-2003 1, 19A-VI-2006 1, 1B-VII-2006 1, 21A-VII-2007 1 and 1B-VIII-2009 1.
222. *Coleophora trifolii* (Curt.) (1388. *Coleophora trifolii* (Curt.)) (Large Clover Casebearer Moth) – 28-VII-2000 2, 11-VII-2001 1, 25A-VI-2005 1, 20-VII-2008 2, 18B-VII-2009 2, 1C-VIII-2009 1, 10B-VII-2010 2, 31B-VII-2010 1 and 16-VII-2011 2.
229.1. *Coleophora quadruplex* McD. (1350. *Coleophora quadruplex* McD.) – 1B-VII-2006 1. Reported as new for Alberta in Pohl et al 2011.

Coleophoridae, Momphinae – Momphid Moths

Mompha spp. – 12-VII-2004 1, 13-IX-2004 1, 10B-VI-2005 2, 13-VII-2008 1, 18B-VII-2009 1 and 12C-VI-2010 1.

224. *Mompha albalpella* (Cham.) (1423. *Mompha albalpella* (Cham.)) – 23-VI-2002 1, 17-VII-2006 1 and 1B-VIII-2009 1.

229. *Mompha unifasciella* (Cham.) (1458. *Mompha unifasciella* (Cham.)) – 6-XI-2008 1.

230. *Mompha idaei* (Zell.) (1457. *Mompha tricrisatella* (Cham.)) – 15-VII-2000 1, 13-VII-2002 4, 17-VII-2003 1 and 24A-VII-2010 1.

232. *Mompha raschkiella* (Zell.) (Not in Hodges). – 12-VII-2004 1.

Coleophoridae, Blastobasinae

This group is being extensively monographed by Dr. David Adamski for the Moths of North America series. All determinations in this group must be regarded as tentative pending the completion of the abovementioned monograph. Specimens from the BIRD Collection are currently with Dr. Adamski.

Species indet. – 22B-VIII-2009 1.

233. *Holcocera immaculella* McD. ? (1221. *Holcocera immaculella* McD.?) – 6-VII-2000 1.

235. *Hypatopa titanella* (McD.)? (1156. *Hypatopa titanella* McD.?) – 21A-VII-2007 1.

Not in Pohl et al. *Asaphocrita* prob. n. sp. according to Adamski – 4-VI-2000 1 and 10A-VI-2001 1.

COSMOPTERYGIDAE – Cosmopterygid Moths

Cosmopterigidae, Cosmopteriginae

241. *Limnaecia phragmitella* Staint. (1515. *Limnaecia phragmitella* Staint.) (Shy Cosmet Moth) – 17-IX-2000 1, 28A-VIII-2005 1 and 18E-VIII-2010 1.

GELECHIIDAE – Gelechiid Moths

Species indet. – 24-VI-2000 2, 7-VII-2000 2, 15-VII-2000 1, 18-VIII-2000 1, 26-VIII-2000 1, 9-IX-2000 1, 12-V-2001 1, 11-VII-2001 3, 18-VII-2001 4, 9-IX-2001 1, 20-IV-2002 1, 8-VI-2002 2, 15-VI-2002 1, 29-VI-2002 1, 14-VIII-2002 2, 7-VI-2003 1, 14-VI-2003 2, 4-VII-2003 6, 18-VII-2003 1, 21-VII-2003 4, 22-VII-2003 1, 16-VIII-2003 3, 25-VIII-2003 2, 26-VIII-2003 3, 2-IX-2003 1, 11-VI-2004 1, 12-VII-2004 6, 29-VII-2004 1, 4-X-2004 1, 13-X-2004 2, 28B-V-2005 2, 10B-VI-2005 1, 25A-VI-2005 2, 20A-VIII-2005 2, 24B-IX-2005 1, 8-IV-2005 1, 3A-VI-2006 1, 19B-VI-2006 2, 1B-VII-2006 4, 17-VII-2006 1, 2-IX-2006 2, 15-VI-2007 1, 21A-VII-2007 2, 20A-VI-2008 2, 13-VII-2008 4, 20-VII-2008 4, 16B-V-2009 2, 18A-VII-2009 1, 18B-VII-2009 4, 12B-VI-2010 1, 10A-VII-2010 1, 10B-VII-2010 2, 16-VII-2011 1 and, 20C-VIII-2011 1.

Gelechiidae, Gelechiinae, Anomologini

249. *Aristotelia fungivorella* (Clem.) (1738. *Aristotelia fungivorella* (Clem.)) – 9-IX-2000 1?, 25-VIII-2003 1 and 26-VIII-2003 1.

250. *Aristotelia rosaesuffusella* (Clem.) (1761. *Aristotelia rosaesuffusella* (Clem.)) – 21-VII-2003 1.

Gelechiidae, Gelechiinae, Litini

254. *Coleotechnites atrupictella* (Dietz) (1792. *Coleotechnites atrupictella* (Dietz)) – 16-VIII-2003 2, 26-VIII-2003 1, 6-VIII-2005 2, 20A-VIII-2005 4, 17-VII-2006 2 and 13C-VIII-2006 1.
256. *Coleotechnites blastovora* McLeod (1796. *Coleotechnites blastovora* McLeod) – 5-V-2000 1, 12-V-2001 1, 25-V-2001 2, 26-V-2001 1, 18-V-2002 1, 8-VI-2002 1, 15-VI-2002 1, 12-V-2003 2, 23-V-2003 2, 7-VI-2003 1, 14-VI-2003 1, 14C-V-2005 1, 28B-V-2005 1, 29B-IV-2006 8, 6-V-2006 1, 19A-V-2006 2, 19B-V-2006 1, 13C-IV-2008 1, 31A-V-2008 2, 2B-V-2009 2, 16A-V-2009 2, 16B-V-2009 1, 18B-IV-2010 1, 15C-V-2010 1, 12C-VI-2010 1, 7-V-2011 1 and 21-V-2011 5.
263. *Coleotechnites piceaella* (Kft.) (1826. *Coleotechnites piceaella* (Kft.)) (Orange Spruce Needleminer) – 28-VII-2000 1, 29-VII-2000 1, 18-VII-2003 1 and 20-VII-2008 1.
- Telphusa* sp. – 10-VI-2004 1.
265. *Neotelphusa praefixa* (Braun) (1865. *Neotelphusa praefixa* (Braun)) – 26-V-2001 1.
266. *Xenolechia aethiops* (Humph. & Westw.) (1875. *Xenolechia aethiops* (Humph. & Westw.)) – 23-V-2003 1.
267. *Xenolechia velatella* (Bsk.) (1880. *Xenolechia velatella* (Bsk.)) – 29-VII-2004 1 and 31A-V-2008 1.

Gelechiidae, Gelechiinae, Gelechiini

- Teleiodes* sp. ? – 2-IX-2001 1.
282. *Gelechia lynceella* Zell. (1946. *Gelechia lynceella* Zell.) – 12-VII-2004 1, 1B-VII-2006 2, 21A-VII-2007 1, 20-VII-2008 1 and 18B-VII-2009 1.
- Chionodes* sp. – 11-VII-2001 2.
291. *Chionodes obscuruscella* (Cham.) (2099. *Chionodes obscuruscella* (Cham.)) (Boxelder Leafworm) – 16-IX-2000 1, 28-IX-2000 2, 14-VIII-2001 1, 20A-VIII-2005 2, 1B-VII-2006 1, 22B-VIII-2009 1, 5A-IX-2009 1, 25A-IX-2009 1, 24B-VII-2010 2 and 31B-VII-2010 3.
292. *Chionodes mediofuscella* (Clem.) (2093. *Chionodes mediofuscella* (Clem.)) – 4-VI-2000 1, 17-VI-2000 1, 24-VI-2000 1, 29-VI-2000 1, 25-V-2001 1, 15-VI-2002 1, 7-VI-2003 1, 14-VI-2003 1, 10-VI-2004 1, 28B-V-2005 1, 10A-VI-2005 1, 10B-VI-2005 1, 3A-VI-2006 3, 19B-VI-2006 3, 15-VI-2007 1, 15C-V-2010 2 and 12C-VI-2010 3.
293. *Chionodes terminimaculella* (Kft.) (2117. *Chionodes terminimaculella* (Kft.)) – 26-V-2000 1, 15-VII-2000 1, 28-VII-2000 1, 11-VI-2001 1, 12C-VI-2009 1, 13B-VI-2009 1 and 10B-VII-2010 1.
300. *Chionodes psiloptera* (B. & Bsk.) (2111. *Chionodes psilopterus* (B. & Bsk.)) – 11-VII-2001 2, 15-VI-2002 1, 7-VI-2003 1, 4-VII-2003 1, 29-VII-2004 1, 15-VI-2007 1, 21A-VII-2007 1, 13-VII-2008 2, 10B-VII-2010 3, 24B-VII-2010 3 and 16-VII-2011 2.
310. *Chionodes sattleri* Hodges (2069.11. *Chionodes sattleri* Hodges) – 29-VII-2000 2, 5-VIII-2000 1 and 31B-VII-2010 1.
317. *Filatima abactella* (Clarke) (2127. *Filatima abactella* (Clarke)) – 20-V-2000 1, 3-VI-2000 1, 17-VI-2000 1, 12-V-2001 1, 26-V-2001 1, 14-VIII-2001 1, 8-VI-2002 1, 23-V-2003 1, 7-VI-2003 1, 14-VI-2003 1, 4-VII-2003 1, 10-VI-2004 1, 28B-V-2005 1, 10A-VI-2005 1, 19A-V-2006 2, 3A-VI-2006 1, 15-VI-2007 1, 31A-V-2008 2, 20A-VI-2008 1, 16B-V-2009 1, 13B-VI-2009 1, 15C-V-2010 1, 12C-VI-2010 6 and 16-VII-2011 1.
- Aroga* near *paraplutella* (Bsk.) – 1A-VIII-2009 1. Determined as such by Dr. J.-F. Landry.

Gelechiidae, Gelechiinae, Gnorimoschemini

The Alberta members of this group are presently being studied by Vazrick Nazari. A number of new species will be described.

328. *Gnorimoschema gallaeasterella* (Kell.) (1985. *Gnorimoschema gallaeasterella* (Kellicott)) – 26-VIII-2000 1, 9-VIII-20041 and 20A-VIII-2005 1.
332. *Gnorimoschema septentrionella* Fyles (2000. *Gnorimoschema septentrionella* Fyles) – 25-VIII-2000 1, 3-VIII-2002 1, 14-VIII-2002 3, 16-VIII-2003 1, 25-IX-2004 1, 20A-VIII-2005 1, 24B-IX-2005 1 and 22A-VIII-2009 1.

Gelechiidae, Gelechiinae, Anacampsini

351. *Anacampsis niveopulvella* (Cham.) (2243. *Anacampsis niveopulvella* (Cham.)) – 20A-VIII-2005 1, 13B-VIII-2006 2, 2-IX-2006 1, 21A-VII-2007 1, 5A-IX-2009 1, 5B-IX-2009 1 and 20C-VIII-2011 1.

Gelechiidae, Dichomeridinae

354. *Helcystogramma fernaldella* (Bsk.) (2267. *Brachmia fernaldella* (Bsk.)) - 4-VI-2000 1, 15-VI-2002 1, 7-VI-2003 4, 14C-V-2005 2, 21-V-2005 1, 13B-VI-2009 1, 15B-V-2010 1, 12C-VI-2010 1 and 21-V-2011 2.
356. *Dichomeris setosella* (Clem.) (2302. *Dichomeris setosella* (Clem.)) – 29-VII-2000 3, 5-VIII-2000 1, 6-VIII-2000 2, 18-VIII-2000 1, 11-VII-2001 1, 2-VIII-2001 2, 14-VIII-2001 1, 3-IX-2001 1, 21-VII-2003 1, 16-VIII-2003 2, 26-VIII-2003 1, 29-VII-2004 4, 10-VIII-2004 1, 6-VIII-2005 2, 20A-VIII-2005 8, 1C-VIII-2009 1, 22A-VIII-2009 1, 5A-IX-2009 1 and 5B-IX-2009 1.
360. *Dichomeris levisella* Fyles (2300. *Dichomeris levisella* Fyles) – 28-VII-2000 1, 11-VII-2001 1, 4-VII-2003 2, 12-VII-2004 2, 1B-VII-2006 1, 21C-VII-2007 1 and 15B-VIII-2010 1.

SESIIDAE – Clearwing Moths

Sesiidae, Sesiinae, Synanthedonini

376. *Synanthedon fatifera* Hodges (2555. *Synanthedon fatifera* Hodges) (Lesser Viburnum Clearwing Moth) – 21-VII-2003 1.

COSSIDAE – Carpenterworm Moths

391. *Acosus centerensis* (Lint.) (2675. *Acosus centerensis* (Lint.)) (Poplar Carpenterworm Moth) – 22-VII-2003 1.
392. *Acosus populi* (Wlk.) (2676. *Acosus populi* (Wlk.)) (Aspen Carpenterworm Moth) – 28-VII-2000 1, 22-VII-2003 1, 1C-VII-2006 1 and 16-VII-2011 1.
393. *Prionyxtus robiniae* (Peck.) (2693. *Prionyxtus robiniae* (Peck)) (Carpenterworm Moth) – 22-VII-2003 1.

CHOREUTIDAE – Metalmark Moths

Choreutidae, Choreutinae

- Prochoreutis* n. sp. nr *myllerana* – 13-VII-2002 1.
396. *Choreutis occidentella* (Dyar) (2635. *Choreutis occidentella* (Dyar)) – 17-VI-2000 5, 11-VI-2001 1, 12B-VI-2010 1 and 12C-VI-2010 1.
401. *Choreutis diana* (Hbn.) (2651. *Choreutis diana* (Hbn.)) (Diana's Choreutis Moth) – 2-VIII-2001 1, 6-VIII-2005 1, 20A-VIII-2005 6, 13A-VIII-2006 2 and 20A-VIII-2011 3.

TORTRICIDAE – Tortricid Moths

Species indet. – 16-VI-2001 1, 2-VIII-2001 2, 31A-VII-2010 1 and 15B-VIII-2010 1.

Tortricidae, Tortricinae, Tortricini

The large genus *Acleris* is in need of a thorough revision. Genitalic examination is required in many cases to ensure accurate identification. Jason Dombroskie looked at the following specimens and made numerous revisions.

- Acleris* sp. – 17-IV-2001 1, 28-IX-2002 1, 14B-V-2005 2, 14C-V-2005 2, 12B-V-2007 1, 15B-V-2010 2, 15C-V-2010 2, 12C-VI-2010 2, 21-V-2011 1 and 20C-VIII-2011 5.
403. *Acleris albicomana* (Clem.) (3502. *Croesia albicomana* (Clem.)) – 28-VII-2000 3, 29-VII-2000 2, 5-VIII-2000 4, 6-VIII-2000 1, 17-VIII-2000 2, 2-VIII-2001 1, 14-VIII-2001 1, 18-VII-2003 1, 29-VII-2004 1, 6-VIII-2005 1, 20A-VIII-2005 2, 1C-VII-2006 1, 17-VII-2006 2, 21A-VII-2007 2, 22-VIII-2007 1, 20-VII-2008 2, 18B-VII-2009 1, 1C-VIII-2009 1, 22A-VIII-2009 1 and 24A-VII-2010 1.
404. *Acleris curvalana* (Kft.) (3504. *Croesia curvalana* (Kft.)) – 21A-VII-2007 1.
405. *Acleris macdunnoughi* Obr. (3506. *Acleris macdunnoughi* Obr.) – 17-IX-2000 2, 24-IX-2000 1, 30-IX-2005 1, 22-VIII-2007 1, 2B-V-2009 1, 16A-V-2009 1, 16B-V-2009 1, 13B-VI-2009 1, 5A-IX-2009 1, 5B-IX-2009 1, 25B-IX-2009 1, 18A-IV-2010 1, 18B-IV-2010 1, 15C-V-2010 1 and 12B-VI-2010 1.
406. *Acleris caliginosana* (Wlk.) (3508. *Acleris caliginosana* (Wlk.)) – 24A-IX-2005 2, 24B-IX-2005 1, 30-IX-2005 2 and 12-X-2007 1.
408. *Acleris cervinana* (Fern.) (3514. *Acleris cervinana* (Fern.)) – 5-V-2000 1, 12-V-2001 1, 14-VI-2002 1, 14B-V-2005 1, 24-IX-2006 6, 2C-V-2009 2, 16A-V-2009 2, 16B-V-2009 1, 13A-VI-2009 1, 25A-IX-2009 1, 18A-IV-2010 1 and 15C-V-2010 2.
410. *Acleris braunana* (McD.) (3518. *Acleris braunana* (McD.)) – 25-V-2001 1 and 13A-VI-2009 1.
411. *Acleris fuscana* (B. & Bsk.) (3520. *Acleris fuscana* (B. & Bsk.)) (Small Aspen Leaf-tier) – 5-V-2000 3, 17-IX-2000 1, 12-V-2001 1, 7-VI-2004 1, 16-VIII-2004 1, 25-VIII-2004 1, 4-X-2004 2, 28B-V-2005 1, 24A-IX-2005 10, 24B-IX-2005 2, 16B-V-2009 11 and 25A-IX-2009 1.
411. *Acleris fuscana* (B. & Bsk.) or 414. *Acleris cornana* (McD.) (3520. *Acleris fuscana* (B. & Bsk.) or 3523. *Acleris cornana* (McD.)) -3-IV-2000 2, 4-VI-2000 1, 12-V-2001 8, 25-V-2001 3, 3-IX-2001 1, 15-IX-2001 1, 12-V-2003 1, 21-IX-2003 1, 23-IV-2005 1, 14C-V-2005 1, 28B-V-2005 1, 6-VIII-2005 2, 24A-IX-2005 1, 31A-V-2008 1 and 20A-VI-2008 1.
413. *Acleris implexana* (Wlk.) (3522. *Acleris implexana* (Wlk.)) – 26-V-2001 1?
415. *Acleris forbesana* (McD.) (3525. *Acleris forbesana* (McD.)) – 20-V-2000 1, 25-V-2000 1, 26-V-2000 1, 12-V-2001 2, 12-V-2003 2?, 7-VI-2003 1?, 29-IV-2006 3, 13B-VIII-2006 1, 13C-V-2006 1, 2-IX-2006 3 and 24-IX-2006 1.
417. *Acleris oxycoccana* (Pack.) (3529. *Acleris oxycoccana* (Pack.)) – 15-IX-2001 1, 13-IX-2004 1, 25-IX-2004 1 and 24-IX-2006 1.
418. *Acleris hastiana* (L.) (3531. *Acleris hastiana* (L.)) – 20-IV-2002 2, 13C-IV-2008 5, 2B-V-2009 1, 16A-V-2009 1, 18A-IV-2010 3, 18B-IV-2010 1 and 15B-V-2010 1.
418. *Acleris hastiana* (L.) or 420. *Acleris celiana* (Rob.) (3531. *Acleris hastiana* (L.) or 3533. *Acleris celiana* (Rob.)) – 7-IV-2001 1 and 17-IV-2001 2.
420. *Acleris celiana* (Rob.) (3533. *Acleris celiana* (Rob.)) – 12-V-2001 1. *Acleris celiana* f. *albilineana* – 23-V-2003 2, 18-IV-2006 1, 12-X-2007 1, 16A-V-2009 1, 16B-V-2009 1 and 15C-V-2010 1.
422. *Acleris robinsoniana* (Fbs.) (3536. *Acleris robinsoniana* (Fbs.)) – 22-IV-2000 1, 30-IV-2000 1, 16-IX-2000 1, 17-IX-2000 1, 24-IX-2000 1, 17-IV-2001 2, 2-IX-2001 1, 8-IX-2001 1, 15-IX-2001 1, 11-V-2002 1, 8-VI-2002 1, 28-IX-2002 1, 12-V-2003 1, 23-V-2003 2, 23-IV-2005 1, 24A-IX-2005 2, 24B-

- IX-2005 1, 30-IX-2005 2, 29-IV-2006 2, 13C-VIII-2006 2, 13C-IV-2008 2, 16B-V-2009 2, 22B-VIII-2009 1 and 18A-IV-2010 1.
424. *Acleris logiana* (Cl.) (3540. *Acleris logiana* (Cl.)) (Black-headed Birch Leafroller) – 3-IV-2000 1, 5-V-2000 1, 17-IV-2001 1, 12-V-2001 1, 25-VI-2001 1, 8-VI-2002 1 and 24A-IX-2005 1.
425. *Acleris flavivittana* (Clem.) (3541. *Acleris flavivittana* (Clem.)) – 3-XI-2000 1.
427. *Acleris clarkei* Obr. (3544. *Acleris clarkei* Obr.) – 2-IX-2006 1.
431. *Acleris variana* (Fern.) (3548. *Acleris variana* (Fern.)) (Eastern Black-headed Budworm) – 5-VIII-2000 1, 18-VIII-2000 2, 17-IX-2000 1, 24-IX-2000 2, 25-VIII-2001 1, 16-VIII-2003 2, 25-VIII-2003 1, 21-VIII-2004 1, 6-VIII-2005 2, 20A-VIII-2005 8, 17-VII-2006 1, 13B-VIII-2006 3, 13C-VIII-2006 2, 22-VIII-2007 2, 22A-VIII-2009 1, 22B-VIII-2009 1, 5B-IX-2009 1 and 25A-IX-2009 1.
432. *Acleris maccana* (Tr.) (3549. *Acleris maccana* (Tr.)) – 5-V-2000 1, 20-V-2000 1, 16-IX-2000 1, 7-IV-2001 2, 12-V-2001 1, 25-VIII-2001 1, 2-IX-2001 3, 8-IX-2001 2, 9-IX-2001 1, 15-IX-2001 1, 20-IV-2002 3, 11-V-2002 1, 18-V-2002 1, 15-IX-2002 1, 28-IX-2002 1, 24A-IX-2005 5, 24B-IX-2005 3, 8-IV-2006 2, 29-IV-2006 2, 13-VIII-2006 2, 2-IX-2006 3, 24-IX-2006 1, 22-VIII-2007 1, 12-X-2007 1, 13B-IV-2008 11, 2B-V-2009 1, 2C-V-2009 2, 16A-V-2009 1, 16B-V-2009 1, 25A-IX-2009 1 and 2-X-2009 1.
433. *Acleris inana* Rob. (3551. *Acleris inana* Rob.) – 2-IX-2006 1.
433. *Acleris inana* Rob., 426. *Acleris maculidorsana* (Clem.) or 422. *Acleris robinsoniana* (Fbs.) (3551. *Acleris inana* Rob., 3543. *Acleris maculidorsana* (Clem.) or 3536. *Acleris robinsoniana* (Fbs.)) – 22-IV-2000 1 and 25A-IX-2009 1.
434. *Acleris scabrana* (D. & S.) (3552. *Acleris scabrana* (D. & S.)) – 17-IV-2001 1, 20-IV-2002 2?, 13C-IV-2008 2 and 25A-IX-2009 1.
- Acleris bowmanana/hudsoniana* complex – 24-III-2007 3 and 13C-IV-2008 1.
435. *Acleris bowmanana* (McD.) (3553. *Acleris bowmanana* (McD.)) – 12-V-2001 1, 13-X-2004 1, 24B-IX-2005 1, 8-IV-2006 1, 16A-V-2009 1 and 25A-IX-2009 1.
- Acleris nigrolinea/maximana* complex – 13C-IV-2008 7 and 31A-V-2008 1.
436. *Acleris nigrolinea* (Rob.) (3556. *Acleris nigrolinea* (Rob.)) – 22-IV-2000 4, 5-V-2000 1, 20-V-2000 1, 4-VI-2000 1, 16-IX-2000 1, 24-IX-2000 2, 12-V-2001 4, 26-V-2001 1, 8-IX-2001 1, 15-IX-2001 1, 24A-IX-2005 12, 30-IX-2005 1, 8-IV-2006 4, 29-IV-2006 1, 6-V-2006 1, 2-IX-2006 1, 13B-IV-2008 1, 2B-V-2009 1 and 2C-V-2009 1.
437. *Acleris maximana* (B. & Bsk.) (3557. *Acleris maximana* (B. & Bsk.)) – 8-IX-2000 1, 20-X-2000 1, 6-IV-2001 3, 17-IV-2001 1, 25-V-2001 1, 20-IV-2002 1, 11-V-2002 2, 14B-V-2002 2, 14C-V-2005 1, 28B-V-2005 1, 24A-IX-2005 9, 24B-IX-2005 1, 8-IV-2006 4, 29-IV-2006 4, 2-IX-2006 1, 2B-V-2009 1, 2C-V-2009 1, 16B-B-2009 1, 13B-VI-2009 1 and 15C-V-2010 2.
438. *Acleris effractana* (Hbn.) (3559. *Acleris emargana* (F.)) (Hook-winged Tortrix Moth) – 17-IX-2000 1?, 2-IX-2001 1?, 16-VIII-2003 1, 21-VIII-2004 1, 25-IX-2004 1, 20A-VIII-2005 6, 24A-IX-2005 4, 24B-IX-2005 1, 30-IX-2005 1, 13B-VIII-2006 1, 2-IX-2006 3 and 24-IX-2006 1.
439. *Acleris hudsoniana* (Wlk.) complex (3561. *Acleris hudsoniana* (Wlk.) complex) – 22-IV-2000 1, 5-V-2000 1, 26-IX-2000 1, 13-X-2000 1, 20-X-2000 1, 6-IV-2001 1, 17-IV-2001 5, 12-V-2001 1, 20-IV-2002 7, 23-V-2003 1, 2-IX-2003 1, 21-IX-2003 1, 23-IV-2005 1, 8-IV-2006 1, 13B-IV-2008 1, 13C-IV-2008 6 and 2C-V-2009 1.

Tortricidae, Tortricinae, Cochylini

The North American members of this group are presently being revised by Eric Metzler and John Brown. Some of the following specimens have been sent to them for examination.

Not in Pohl et al. (3769. *Thyralea bunteana* (Rob.)) – 12-VII-2001 1?.

443. *Phtheochroa fulviplicana* (Wlsm.) (3792. *Carolella fulviplicana* (Wlsm.)) – 17-VII-2003 1, 1B-VII-2006 2 and 10B-VII-2010 2.
446. *Phtheochroa vitellinana* (Zell.) (3787. *Carolella vitellinana* (Zell.)) – 1B-VII-2006 1.
448. *Phtheochroa waracana* (Kft.) (3796. *Hysterosia waracana* (Kft.)) – 22-VII-2003 1, 12-VII-2004 1, 25-VI-2005 1, 3A-VI-2006 1, 13-VII-2008 2 and 10B-VII-2010 2.
- Aethes* sp. – 20-VII-2008 1.
459. *Aethes sexdentata* Sabourin & Miller ((3807. *Aethes angulatana* (Rob.)) – 13-VII-2002 1? and 14-VIII-2002 2.

Tortricidae, Tortricinae, Cnephasini

466. *Eana argentana* (Cl.) (3568. *Eana argentana* (Cl.)) – 3-VIII-2002 1, 18-VII-2003 1, 21-VII-2003 1, 6-VIII-2005 2, 1C-VII-2006 1, 10B-VII-2010 1 and 16-VII-2011 2.
467. *Eana osseana* (Scop.) (3570. *Eana osseana* (Scop.)) (*Eana* Grass Tortrix Moth) – 28-VII-2000 2, 10B-VII-2010 1 and 16-VII-2011 1.
469. *Decodes horariana* (Wlsm.) (3580. *Decodes hororianus* (Wlsm.)) – 2-IX-2001 2.
470. *Decodes mcdunnoughi* Powell (Not in Hodges) – 24-IX-2005 1.

Tortricidae, Tortricinae, Archipini

472. *Pandemis canadana* Kft. (3595. *Pandemis canadana* Kft.) (*Green Aspen Leaf-tier*) – 22-VII-2000 2, 28-VII-2000 1, 29-VII-2000 1, 5-VIII-2000 1, 17-VIII-2000 1, 22-VIII-2000 1, 2-VIII-2001 1, 21-VII-2003 1, 6-VIII-2005 1, 17-VII-2006 1, 21A-VII-2007 2, 13-VII-2008 1, 20-VII-2008 1, 1B-VIII-2009 1, 1C-VIII-2009 1, 22A-VIII-2009 1, 22B-VIII-2009 1, 5A-IX-2009 1, 5B-IX-2009 1, 24A-VII-2010 2, 24B-VII-2010 1, 31B-VII-2010 1, 15B-VIII-2010 1 and 16-VII-2011 1.
480. *Argyrotaenia mariana* (Fern.) (3625. *Argyrotaenia mariana* (Fern.)) (*Gray-banded Leafroller*) – 3-iv-2000 1, 17-VI-2000 1, 25-V-2001 1, 15-VI-2002 1, 14C-V-2005 4, 10A-VI-2005 1 and 19B-VI-2006 2.
481. *Choristoneura fractivittana* (Clem.) (3632. *Choristoneura fractivittana* (Clem.)) (*The Broken-banded Leafroller*) – 31A-V-2008 1.
483. *Choristoneura rosaceana* (Harr.) (3635. *Choristoneura rosaceana* (Harr.)) (*Oblique-banded Leafroller*) – 22-VII-2000 1, 6-VIII-2000 2, 11-VII-2001 1, 2-VIII-2001 1, 14-VIII-2001 1, 20A-VIII-2005 1, 5A-IX-2009 1, 24B-VII-2010 1, 15B-VIII-2010 1, 20B-VIII-2011 1 and 20C-VIII-2011 1.
485. *Choristoneura conflictana* (Wlk.) (3637. *Choristoneura conflictana* (Wlk.)) (*Large Aspen Tortrix*) – 29-VI-2000 10, 6-VII-2000 3, 7-VII-2000 1, 22-VII-2000 1, 7-VIII-2000 1, 22-VI-2001 3, 27-VI-2001 4, 11-VII-2001 2, 13-VII-2002 lots, 4-VII-2004 lots, 21-VII-2003 1, 12-VII-2004 lots and 1C-VII-2006 2.
486. *Choristoneura fumiferana* (Clem.) (3638. *Choristoneura fumiferana* (Clem.)) (*Spruce Budworm*) – 11-VII-2001 2, 1B-VII-2006 1, 1C-VII-2006 1, 20-VII-2008 4 and 1B-VIII-2009 1.
492. *Archips striana* (Fern.) (3664. *Archips striana* (Fern.)) (*Striated Tortrix Moth*) – 18-VII-2003 1, 21-VII-2003 1, 22-VII-2003 1, 1B-VII-2006 1 and 20-VII-2008 3.
493. *Archips alberta* (McD.) (3665. *Archips alberta* (McD.)) – 14-VIII-2001 1.
495. *Archips argyrospila* (Wlk.) (3648. *Archips argyrospila* (Wlk.)) (*Fruit-tree Leafroller*) – 5-VIII-2000 1, 21-VII-2003 4, 17-VII-2006 1, 21A-VII-2007 1, 20-VII-2008 1 and 24A-VII-2010 1.
491. *Archips packardiana* (Fern.) (3667. *Archips packardiana* (Fern.)) (*Spring Spruce-needle Moth*) – 11-VII-2001 1, 21-VII-2003 1, 3A-VI-2006 1 and 1B-VII-2006 1.

502. *Syndemis afflictana* (Wlk.) (3672. *Syndemis afflictana* (Wlk.)) (Gray Leafroller or Black-and-gray Banded Leafroller) – 4-VI-2000 2, 17-VI-2000 3, 25-V-2001 7, 26-V-2001 2, 14B-V-2005 1, 14C-V-2005 1, 21-V-2005 1 and 19A-V-2006 5.
503. *Lozotaenia hesperia* Powell (3673. *Lozotaenia hesperia* Powell) – 20-VI-2000 1.
504. *Aphelia alleniana* (Fern.) (3675. *Aphelia alleniana* (Fern.)) – 12-VII-2002 1.
508. *Clepsis persicana* (Fitch) (3682. *Clepsis persicana* (Fitch)) (White-triangle Tortrix) – 17-VI-2000 1, 29-VI-2000 2, 5-VII-2000 1, 7-VII-2000 1, 17-VII-2000 2, 22-VII-2000 1, 28-VII-2000 1, 5-VIII-2000 2, 17-VIII-2000 1, 27-VI-2001 2, 11-VII-2001 1, 12-VII-2001 1, 18-VII-2001 1, 4-VII-2003 1, 18-VII-2003 1, 21-VII-2003 2, 12-VII-2004 2, 19B-VI-2006 1, 17-VII-2006 1, 21A-VII-2007 1, 13-VII-2008 1, 20-VII-2008 1, 18A-VII-2009 1, 10A-VII-2010 1, 10B-VII-2010 1, 24A-VII-2010 1 and 20C-VIII-2011 1.
509. *Clepsis clemensiana* (Fern.) (3684. *Clepsis clemensiana* (Fern.)) (Clemen's Clepsid Moth) – 28-VII-2000 1, 2-VIII-2001 1, 14-VIII-2001 1, 21-VII-2003 1, 22-VII-2003 1, 12-VII-2004 1, 29-VII-2004 1, 1C-VII-2006 1, 17-VII-2006 2, 21A-VII-2007 1 and 16-VII-2011 1.
511. *Clepsis melaleucana* (Wlk.) (3686. *Clepsis melaleucana* (Wlk.)) (Black-patched Clepsid Moth) – 4-VII-2003 1.
512. *Ptycholoma peritana* (Clem.) (3688. *Ptycholoma peritana* (Clem.)) (Garden Tortrix Moth) – 21-VII-2003 1, 20A-VIII-2005 1, 10B-VII-2010 1 and 24B-VII-2010 1.
513. *Ptycholoma virescana* (Clem.) (3689. *Ptycholoma virescana* (Clem.)) – 15-VII-2000 1, 28-VII-2000 2, 29-VII-2000 1, 16-IX-2000 1, 11-VII-2001 1, 18-VII-2001 1, 2-VIII-2001 1, 14-VIII-2002 1, 17-VII-2003 1, 21-VII-2003 1, 16-VIII-2003 1, 17-VII-2006 1, 13B-VIII-2006 1, 13-VII-2008 1, 22A-VIII-2009 1, 25B-IX-2009 1, 15A-VIII-2010 2 and 20B-VIII-2011 1.

Tortricidae, Tortricinae, Sparganothidini

518. *Sparganothis xanthoides* (Wlk.) (3706. *Sparganothis xanthoides* (Wlk.)) (Mosaic Sparganothis Moth) – 15-VII-2000 1, 6-VIII-2000 1, 3-VIII-2002 1, 14-VIII-2002 1, 17-VII-2003 1, 1C-VII-2006 1, 13-VII-2008 1 and 16-VII-2011 1.
520. *Sparganothis unifasciana* (Clem.) (3711. *Sparganothis unifasciana* (Clem.)) (One-lined Sparganothis Moth) – 1B-VIII-2009 1, 1C-VIII-2009 1 and 5B-IX-2009 1.
521. *Sparganothis vocaridorsana* Kft. (3712. *Sparganothis vocaridorsana* Kft.) – 26-VI-2004 4.
522. *Sparganothis reticulatana* (Clem.) (3720. *Sparganothis reticulatana* (Clem.)) (Reticulated Fruitworm Moth) – 28-VII-2000 1, 29-VII-2000 2, 5-VIII-2000 1, 6-VIII-2000 1, 17-VIII-2000 1, 18-VIII-2000 2, 16-VIII-2003 1, 20A-VIII-2005 1, 21A-VII-2007 1, 20-VII-2008 2, 1B-VIII-2009 1, 1C-VIII-2009 1, 5A-IX-2009 1, 31A-VII-2010 1, 31B-VII-2010 1, 15A-VIII-2010 1, 15B-VIII-2010 1 and 20B-VIII-2011 1.
523. *Platynota idaeusalis* (Wlk.) (3740. *Platynota idaeusalis* (Wlk.)) (Tufted Apple-bud Moth) – 6-VII-2000 4, 18-VII-2000 1, 22-VII-2000 1, 28-VII-2001 1, 5-VIII-2000 1, 11-VII-2001 1, 12-VII-2001 1, 18-VII-2001 1, 13-VII-2002 2, 4-VII-2003 2, 17-VII-2003 3, 18-VII-2003 2, 21-VII-2003 1, 22-VII-2003 1, 29-VII-2004 1, 13-VII-2008 11, 20-VII-2008 1, 1C-VIII-2009 1, 1/22-VIII-2009 1, 10B-VII-2010 2, 24A-VII-2010 1, 24B-VII-2010 1 and 31B-VII-2010 1.

Tortricidae, Tortricinae, Euliini

525. *Eulia ministrana* (L.) (3565. *Eulia ministrana* (L.)) (Ferruginous Eulia Moth) – 11-VI-2001 1, 15-VI-2002 2 and 3A-VI-2006 1.
528. *Apotomops wellingtoniana* (Kft.) (3589. *Anopina wellingtoniana* (Kft.)) – 25-V-2001 1, 19A-VI-2006 1, 19B-VI-2006 1, 1B-VII-2006 4, 1C-VII-2006 2, 20-VII-2008 1.

Tortricidae, Olethreutinae, Endotheniini

- Olethreutine* spp. – 16-VI-2001 1, 13-VII-2002 1, 4-VII-2003 2, 6-VII-2004 2, 20-VII-2008 1 and 20C-VIII-2011 2.
533. *Endothenia nubilana* (Clem.) (2743a. *Endothenia nubilana* (Clem.)) – 28-VII-2000 1, 5-VIII-2000 1, 14-VIII-2001 1, 4-VII-2003 1, 6-VII-2003 1, 25A-VI-2005 1, 1B-VII-2006 1 and 10B-VII-2010 1.
534. *Taniva albolineana* (Kft.) (2745. *Endothenia albolineana* (Kft.)) (Spruce Needleminer Moth) – 18-VII-2003 1 and 20-VII-2008 3.
551. *Apotomis capreana* (Hbn.) (2753. *Apotomis capreana* (Hbn.)) (Sallow Apotomis Moth) – 29-VII-2000 1, 5-VIII-2000 1, 27-VI-2001 1, 11-VII-2001 1, 2-VIII-2001 2, 21-VII-2003 2, 29-VII-2004 1, 6-VIII-2005 1, 20A-VIII-2005 3, 3A-VI-2006 2, 1B-VII-2006 3, 17-VII-2006 2, 13B-VIII-2006 1, 21A-VII-2007 2, 13-VII-2008 2, 20-VII-2008 1, 1C-VIII-2009 1, 10B-VII-2010 1 and 31B-VII-2010 2.
546. *Apotomis funerea* (Meyr.) (2755. *Apotomis funerea* (Meyr.)) (Funereal Apotomis Moth) – 28-VII-2003 3, 12-VI-2001 1, 17-VII-2003 1, 13B-VIII-2006 1, 20-VII-2008 2, 1B-VII-2009 1, 24B-VII-2010 1 and 20C-VIII-2011 1.
547. *Apotomis removana* (Kft.) (2766. *Apotomis dextrana* McD.) (Green Aspen Leafroller Moth) – 28-VII-2000 4, 5-VIII-2000 4, 17-VIII-2000 1, 12-V-2001 1, 2-VIII-2001 1, 6-VIII-2005 1, 20A-VIII-2005 1, 17-VII-2006 3, 13-VII-2008 1, 20-VII-2008 3, 1C-VIII-2009 1, 22A-VIII-2009 1, 22B-VIII-2009 1, 31A-VII-2010 1, 31B-VII-2010 1 and 15B-VIII-2010 1.
552. *Apotomis deceptana* (Kft.) (2765. *Apotomis deceptana* (Kft.)) (Deceptive Apotomis Moth) – 29-VII-2004 1, 19B-VI-2006 2, 13B-VIII-2006 1, 21A-VIII-2007 2, 31A-V-2008 2, 20A-VI-2008 1, 13B-VI-2009 1 and 12C-VI-2010 2.
556. *Pseudosciaphila duplex* (Wlsm.) (2769. *Pseudosciaphila duplex* (Wlsm.)) (Spotted Leafroller or Poplar Leafroller Moth) – 13-VII-2008 1 and 20-VII-2008 1.
557. *Orthotaenia undulana* (D. & S.) (2770. *Orthotaenia undulana* (D. & S.)) (Dusky Leafroller Moth) – 17-VI-2000 1, 29-VI-2000 1, 15-VII-2000 1, 28-VII-2000 1, 29-VII-2000 1, 5-VIII-2000 1, 17-VIII-2000 1, 2-VIII-2001 1, 11-VII-2001 1, 18-VII-2001 1, 29-VI-2002 1, 12-VII-2004 1, 10A-VI-2005 1, 25A-VI-2005 1, 19B-VI-2006 2, 17-VII-2006 1, 21A-VII-2007 1, 13-VII-2008 6, 12C-VI-2010 1, 10B-VII-2010 6, 24B-VII-2010 1, 31B-VII-2010 1 and 15B-VIII-2010 1.
- Olethreutes* spp. – 15-VII-2000 2, 5-VIII-2000 1, 25-V-2001 1, 16-VI-2001 1, 27-VI-2001 2, 11-VII-2001 4, 12-VII-2001 1, 18-VII-2001 2, 2-VIII-2001 1, 13-VII-2002 1, 3-VIII-2002 1, 28-IX-2002 1, 17-VII-2003 1, 21-VII-2003 4, 22-VII-2003 1, 12-VII-2004 7, 29-VII-2004 1, 21-VI-2005 1, 25A-VI-2005 3, 19A-VI-2006 2, 1B-VII-2006 2, 21A-VII-2007 1, 13-VII-2008 1, 20-VII-2008 3, 13B-VI-2009 1, 18A-VII-2009 1 and 1C-VIII-2009 1.
560. *Olethreutes inornatana* (Clem.) or 561. *Olethreutes quadrifidus* (Zell.) (2788. *Olethreutes inornatana* (Clem.) or 2794. *Olethreutes quadrifidus* (Zell.)) – 1B-VII-2006 1, 10B-VII-2010 1 and 15B-VIII-2010 1.
562. *Olethreutes appendiceum* (Zell.) (2821. *Olethreutes appendicea* (Zell.)) (Serviceberry Olethreutes Moth) – 12-VII-2004 1.
568. *Olethreutes coruscana* (Clem.) or 569. *Olethreutes metallicana* (Zell.) (2839. *Olethreutes puncticostana* (Wik.)) – 3-VI-2000 1, 17-VI-2000 1, 19-VI-2000 1, 11-VI-2001 1, 12-VI-2001 1, 16-VI-2001 1, 27-VI-2001 1, 29-VI-2002 1, 10-VI-2004 2, 12-VII-2004 1, 10B-VI-2005 1, 25A-VI-2005 1, 4-VI-2006 1, 19A-VI-2006 1, 19B-VI-2006 3, 12C-VI-2010 1 and 13-VI-2011 1.
575. *Olethreutes bipartitana* (Clem.) (2848. *Olethreutes bipartitana* (Clem.)) (Divided Olethreutes Moth) – 24-VI-2000 1, 2-VII-2000 1, 16-VI-2001 2, 12-VII-2004 1, 25A-VI-2005 1, 19A-VI-2006 3, 22A-VIII-2009 1, 12C-VI-2010 1 and 16-VII-2011 1.
583. *Metendothenia separatana* (Kft.) (2860. *Hedya separatana* (Kft.)) (Pink-washed Leafroller Moth) – 29-VI-2000 1.

584. *Hedya ochroleucana* (Frölich) (2861. *Hedya ochroleucana* (Frölich)) (Off-white Hedya Moth) – 22-VII-2000 2, 28-VII-2000 1, 29-VII-2000 1, 5-VIII-2000 1, 6-VIII-2000 1, 11-VII-2001 5, 12-VII-2001 1, 4-VII-2003 1, 17-VII-2003 2, 12-VII-2004 4, 6-VIII-2005 1, 1B-VII-2006 1, 13-VII-2008 2, 20-VII-2008 2, 18B-VII-2009 1, 1C-VIII-2009 1, 10B-VII-2010 2, 24A-VII-2010 1 and 24B-VII-2010 1.
585. *Hedya nubiferana* (Haw.) (2862. *Hedya nubiferana* (Haw.)) – (Marbled Orchard Tortrix Moth) – 10A-VII-2010 1, 10B-VII-2010 2 and 31B-VII-2010 1.

Tortricidae, Olethreutinae, Enarmoniini

587. *Ancylis subaequana* (Zell.) (3355. *Ancylis subaequana* (Zell.)) – 17-VI-2000 1, 25-V-2001 1, 15-VI-2002 1, 28B-V-2005 1, 3A-VI-2006 2, 19A-VI-2006 1, 19B-VI-2006 2, 1B-VII-2006 1 and 15-VI-2007 2.
588. *Ancylis discigerana* (Wlk.) (3358. *Ancylis discigerana* (Wlk.)) (Yellow Birch Leaf-folder Moth) – 7-VI-2003 1 and 18A-VII-2009 1.
591. *Ancylis laciniana* (Zell.) (3366. *Ancylis laciniana* (Zell.)) – 28B-V-2005 1 and 15-VI-2007 1.
595. *Ancylis comptana* (Frölich) (3374. *Ancylis comptana* (Frölich)) (Strawberry Leafroller) – 25-V-2001 1 and 8-VI-2002 1.
598. *Ancylis diminutana* (Haw.) (3379. *Ancylis diminutana* (Haw.)) – 4-VII-2003 1, 1B-VII-2006 1, 1C-VII-2006 1 and 1C-VII-2011 1.
601. *Ancylis mediofasciana* (Clem.) (3384. *Ancylis mediofasciana* (Clem.)) – 18-V-2002 1 and 23-V-2003 1.
602. *Ancylis tineana* (Hbn.) (3386. *Ancylis tineana* (Hbn.)) – 29-VI-2002 1, 7-VI-2003 1, 19A-VI-2006 1 and 19B-VI-2006 1.

Tortricidae, Olethreutinae, Eucosmini

612. *Retinia burkeana* (Kft.) (2900. *Petrova burkeana* (Kft.)) – 29-VII-2000 1, 5-VIII-2000 1, 11-VII-2001 4, 18-VII-2003 1, 12-VII-2004 1, 1B-VII-2006 1, 20-VII-2008 1, 18A-VII-2009 1 and 24A-VII-2010 1.
614. *Barbara mappana* Free. (2905. *Barbara mappana* Free.) – 12-V-2001 1.
- Phaneta* sp. – 3A-VI-2006 1.
616. *Phaneta awemeana* (Kft.) (2911. *Phaneta awemeana* (Kft.)) – 4-VI-2000 2, 17-VI-2000 1, 12-V-2001 5, 25-V-2001 5, 26-V-2001 1, 8-VI-2002 5, 15-VI-2002 1, 23-V-2003 5, 7-VI-2003 4, 14-VI-2003 1, 14B-V-2005 1, 14C-V-2005 7, 31A-V-2008 4, 16B-V-2009 1, 15B-V-2010 1 and 15C-V-2010 1.
619. *Phaneta formosana* (Clem.) (2916. *Phaneta formosana* (Clem.)) (Beautiful Phaneta Moth) – 25-V-2001 1 and 28A-V-2005 1.
624. *Phaneta verna* Miller (2926. *Phaneta verna* Miller) (Speckled Phaneta Moth) – 14A-V-2005 1.
626. *Phaneta marmontana* (Kft.) (2933. *Phaneta marmontana* (Kft.)) – 10A-VI-2005 1, 20A-VIII-2005 1, 19B-VI-2006 4, 1B-VII-2006 1, 13B-VIII-2006 1, 13-VII-2008 1, 20-VII-2008 2 and 5A-IX-2009 1.
628. *Phaneta parmatana* (Clem.) (2937. *Phaneta parmatana* (Clem.)) – 4-VII-2003 2, 17-VII-2003 1, 22-VII-2003 1, 17-VII-2006 3, 21A-VII-2007 3, 13-VII-2008 1, 20-VII-2008 1 and 1B-VIII-2009 1.
631. *Phaneta lapidana* (Wlsm.) (2949. *Phaneta lapidana* (Wlsm.)) – 13-X-2004 2 and 31A-V-2008 1.
633. *Phaneta elongana* (Wlsm.) (2952. *Phaneta elongana* (Wlsm.)) – 17-VI-2000 1, 7-VI-2003 3, 14-VI-2003 1, 14B-V-2005 1, 14C-V-2005 1, 19A-V-2006 2 and 13B-VI-2009 1.
643. *Phaneta indagatricana* (Heinr.) (2969. *Phaneta indagatricana* (Heinr.)) – 22-VII-2003 3.
651. *Phaneta octopunctana* (Wlsm.) (2986. *Phaneta octopunctana* (Wlsm.)) – 18B-VII-2009 1 and 10B-VII-2010 1.
- Eucosma* sp. – 18D-VIII-2010 1.

683. *Eucosma dorsisignatana* (Clem.) 3116. *Eucosma dorsisignatana* (Clem.) (Triangle-backed Eucosma Moth) – 18-VIII-2000 1, 17-IX-2000 1 and 25-VIII-2001 2.
709. *Notocelia culminana* (Wlsm.) (3211. *Notocelia culminana* (Wlsm.)) – 18-VII-2000 2, 28-VII-2000 2, 5-VIII-2000 2, 6-VIII-2000 2, 18-VIII-2000 2, 16-IX-2000 1, 2-VIII-2001 1, 14-VIII-2001 1, 29-VII-2004 2, 20A-VIII-2005 2, 17-VII-2006 1, 13C-VIII-2006 1, 21A-VII-2007 2, 20-VII-2008 2, 1C-VIII-2009 1, 22B-VIII-2009 1, 24A-VII-2010 1, 15A-VIII-2010 1, 16-VII-2011 1 and 20C-VIII-2011 1.
710. *Gypsonoma fasciolana* (Clem.) (3223. *Gypsonoma fasciolana* (Clem.)) – 17-VI-2000 2, 27-VI-2001 1, 15-VI-2002 1, 14-VI-2003 2, 10-VI-2004 1, 28B-V-2005 1, 19B-VI-2006 1, 15-VI-2007 3, 20A-VI-2008 3, 13B-VI-2009 1 and 10B-VII-2010 1.
714. *Gypsonoma substitutionis* Heinr. (3227. *Gypsonoma substitutionis* Heinr.) – 28-VII-2000 1, 21-VI-2003 2, 1B-VII-2006 1, 21A-VII-2007 2, 13-VII-2008 1 and 20-VII-2008 2.
715. *Gypsonoma salicolana* (Clem.) (3228. *Gypsonoma salicolana* (Clem.)) – 28-VII-2000 1, 12-V-2001 1, 25-V-2001 1, 17-VII-2006 1 and 12C-VI-2010 2.
716. *Gypsonoma adjuncta* Heinr. (3229. *Gypsonoma adjuncta* Heinr.) – 11-VI-2001 1.
720. *Zeiraphera canadensis* Mut. & Free. (3240. *Zeiraphera canadensis* Mutuura & Free.) (Spruce Bud Moth) – 8-IX-2000 1, 17-IX-2000 1, 21-VII-2003 1, 1-IX-2003 1, 14B-V-2005 1 and 22B-VIII-2009 1.
722. *Zeiraphera fortunana* (Kft.) (3242. *Zeiraphera fortunana* (Kft.)) – 8-IX-2000 1, 16-IX-2000 1 and 12-V-2001 1.
725. *Pseudexentera oregonana* (Wlsm.) (3248. *Pseudexentera oregonana* (Wlsm.)) (Early Aspen Leafroller Moth) – 2-IV-2000 3, 6-IV-2001 2, 17-IV-2001 5, 12-V-2003 1, 8-IV-2006 20, 29-IV-2006 3, 6-V-2006 1, 13B-IV-2008 1 and 13C0IV-2008 1.
727. *Griselda radicana* Heinr. (3269. *Griselda radicana* Heinr.) – 24-IX-2000 1, 5-IX-2001 1, 15-IX-2001 1, 25-VIII-2003 1 and 26-VIII-2003 1.
728. *Rhopobota naevana* (Haw.) (3276. *Rhopobota naevana* (Haw.)) (Holly Tortrix Moth) – 8-VIII-2000 1, 17-IX-2000 1, 25-VIII-2001 1, 16-VIII-2003 1, 26-VIII-2003 2, 2-IX-2003 1, 25-IX-2004 1 and 8-VIII-2005 1.
731. *Epinotia solandriana* (L.) (3283. *Epinotia solandriana* (L.)) (Codling Moth or Birch-Aspen Leafroller Moth) – 18-VIII-2000 1.
733. *Epinotia castaneana* (Wlsm.) (3288. *Epinotia castaneana* (Wlsm.)) – 29-VII-2000 1, 18-VII-2001 1, 29-VII-2001 2, 17-VII-2003 5, 21-VII-2003 1, 22-VII-2003 2, 12-VII-2004 7, 1B-VII-2006 1, 1C-VII-2006 1, 21A-VII-2007 1, 13-VII-2008 1 and 20-VII-2008 1.
737. *Epinotia rectiplicana* (Wlsm.) (3302. *Epinotia rectiplicana* (Wlsm.)) – 15-VI-2002 1, 21-VII-2003 2, 20A-VI-2008 2, 13-VII-2008 1 and 20-VII-2008 2.
740. *Epinotia nisella* Cl. (3306. *Epinotia nisella* Cl.) (Variable Tortrix Moth or Poplar Branchlet Borer Moth) – 5-VIII-2000 1, 18-VIII-2000 1, 26-VIII-2000 1, 17-IX-2000 1, 14-VIII-2001 3, 28-IX-2002 2, 16-VIII-2003 5, 25-VIII-2003 1, 26-VIII-2003 1, 29-VII-2004 1, 9-VIII-2004 1, 25-IX-2004 1, 6-VII-2005 3, 20A-VIII-2005 5, 13C-VIII-2006 1, 2-IX-2006 1, 22-VIII-2007 4, 20-VII-2008 1, 22B-VIII-2009 1, 5A-IX-2009 1, 31B-VII-2010 1 and 15B-VIII-2010 1.
741. *Epinotia criddleana* Kft. (3307. *Epinotia criddleana* Kft.) – 29-VII-2000 1, 5-VIII-2000 1, 17-VIII-2000 1, 18-VIII-2000 1, 8-IX-2000 1, 16-IX-2000 9, 17-IX-2000 1, 25-VIII-2001 1, 21-VII-2003 1, 16-VIII-2003 2, 26-VIII-2003 1, 1-IX-2003 1, 20A-VIII-2005 4, 24A-IX-2005 4, 24B-IX-2005 1, 17-VII-2006 2, 13C-VIII-2006 1, 24-IX-2006 1, 21A-VII-2007 1, 22-VIII-2007 2, 20-VII-2008 1 and 5A-IX-2009 1.
743. *Epinotia transmissana* (Wlk.) (3310. *Epinotia transmissana* (Wlk.)) (Walker's Epinotia Moth) – 25-VIII-2003 1.
754. *Epinotia medioplagata* (Wlsm.) (3344. *Epinotia medioplagata* (Wlsm.)) – 1C-VII-2006 1.
755. *Epinotia cruciana* (L.) (3345. *Epinotia cruciana* (L.)) (Willow Tortrix Moth) – 22-VII-2003 2.

757. *Epinotia lindana* (Fern.) (3351. *Epinotia lindana* (Fern.)) (Diamondback Epinotia Moth) – 24-IX-2000 1, 2-IX-2001 1, 15-IX-2001 1, 25-VIII-2003 1, 26-VIII-2003 1, 1-IX-2003 1, 24A-IX-2005 1, 13B-VIII-2006 1, 13C-VIII-2006 1, 2-IX-2006 2 and 5B-IX-2009 1.

Tortricidae, Olethreutinae, Graptolithini

758. *Dichrorampha simulana* (Wlsm.) (3404. *Dichrorampha simulana* (Wlsm.)) – 20-VII-2008 1.
 767. *Grapholita packardi* Zell. (3428. *Grapholita packardi* Zell.) (Cherry Fruitworm Moth) – 1B-VII-2006 1.
 770. *Grapholita lunatana* Wlsm. (3437. *Grapholita lunatana* Wlsm.) – 30-IV-2000 1, 14-V-2000 1, 12-V-2001 1, 18-V-2002 1, 25-V-2002 1, 12-V-2003 1, 14C-V-2005 2, 29-IV-2006 1, 6-V-2006 2, 4-VI-2006 1, 31A-V-2008 1 and 15C-V-2010 2.
 771. *Grapholita interstinctana* (Clem.) (3439. *Grapholita interstinctana* (Clem.)) (Clover Head Caterpillar Moth) – 20A-VI-2008 1.
 776. *Cydia strobilella* (L.) (3455. *Cydia strobilella* (L.)) – 7-VI-2003 1 and 22-VII-2003 1.
 778. *Cydia ingrata* (Heinr.) (3460. *Cydia ingrata* (Heinr.) and 3466. *Cydia youngana* (Kft.)) – 28B-V-2005 2 and 1B-VIII-2009 1.
 779. *Cydia populana* (Bsk.) (3463. *Cydia populana* (Bsk.)) – 20-VII-2008 1.
 780. *Cydia flexiloqua* (Heinr.) (3465. *Cydia flexiloqua* (Heinr.)) – 4-VI-2000 1, 17-VI-2000 1, 29-VI-2000 1, 5-VIII-2000 2, 17-VIII-2000 1, 18-VIII-2000 1, 21-VII-2003 6, 22-VII-2003 1, 29-VII-2004 1, 20A-VIII-2005 1, 18A-VII-2009 1 and 5A-IX-2009 1.
 781. *Cydia nigricana* (F.) (3467. *Cydia nigricana* (F.)) (Pea Moth) – 18-VII-2003 1 and 3A-VI-2006 1.
 782. *Cydia prosperana* (Kft.) (3476. *Cydia prosperana* (Kft.)) – 17-VII-2006 1.
 783. *Cydia lautiuscula* (Heinr.) (3480. *Cydia lautiuscula* (Heinr.)) – 31A-V-2008 1.

URODIDAE – False Burnet Moths

785. *Wockia asperipunctella* (Bruand) (Not in Hodges) – 25-V-2001 1, 16-VI-2001 1, 8-VI-2002 1, 15-VI-2002 1, 28B-V-2005 1, 1B-VII-2006 1, 20A-VI-2008 1 and 12C-VI-2010 1.

HELIODINIDAE – Bristle-legged Moths

786. *Schreckensteinia festaliella* (Hbn.) 2509. *Schreckensteinia festaliella* (Hbn.) (Blackberry Skeletonizer Moth) – 14-V-2000 1.

EPERMENIIDAE – Fringe-tufted Moths

791. *Ochromolopis ramapoella* (Kft.) (2334. *Ochromolopis ramapoella* (Kft.)) – 25A-VI-2005 1.

ALUCITIDAE – Many-plume Moths

793. *Alucita adriendenisi* B. Landry & J.-F. Landry (2313. *Alucita hexadactyla* (L.)) – 22-IV-2000 4, 29-IV-2000 4, 20-V-2000 2, 6-VIII-2000 2, 17-VIII-2000 2, 18-VIII-2000 4, 9-IX-2000 2, 7-IV-2001 1, 2-VIII-2001 1, 12-V-2003 2, 29-VII-2004 1, 13-IX-2004 2, 25-IX-2004 4, 4-X-2004 1, 13-X-2004 3, 14C-V-2005 5, 6-VIII-2005 1, 20A-VIII-2005 3, 29-IV-2006 2, 13B-VIII-2006 1, 2-IX-2006 1, 24-IX-2006 1, 16B-V-2009 1, 13B-VI-2009 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 5B-IX-2009 1, 18B-IV-2010 2, 12C-VI-2010 1 and 20C-VIII-2011 1. Described by B. Landry and J.-F. Landry (2004).

PTEROPHORIDAE – Plume Moths

Species indet. – 18-VII-2003 1, 22-VII-2003 1, 29-VII-2004 1, 9-VIII-2004 1, 20-VIII-2005 1, 17-VII-2006 2, 24-IX-2006 1, 17-VI-2007 1 and 21A-VII-2007 2.

Pterophoridae, Pterophorinae, Platyptiliini

796. *Platyptilia carduidactylus* (Riley) (6109. *Platyptilia carduidactyla* (Riley)) (Artichoke Plume Moth) – 21-VII-2003 1.
800. *Gillmeria pallidactyla* (Haw.) (6107. *Gillmeria pallidactyla* (Haw.)) – 13-VII-2002 1, 4-VII-2003 1, 17-VII-2003 1, 21-VII-2003 1, 1-VII-2006 1, 31A-VII-2010 1 and 31B-VII-2010 1.
802. *Stenoptilia coloradensis* Fern. (6149. *Stenoptilia coloradensis* Fern.) – 17-IX-2000 3, 15-IX-2001 1, 20-VI-2008 1 and 5B-IX-2009 1.
812. *Amblyptilia pica* (Wlsm.) (6118. *Platyptilia pica* (Wlsm.)) (Geranium Plume Moth) – 29-VI-2000 1, 5-V-2000 1, 20-V-2000 1, 12-V-2001 3, 27-VI-2001 1, 18-VII-2003 1, 20-VIII-2005 2, 3-IX-2005 1, 29-VI-2006 3, 16A-V-2009 1 and 20A-VIII-2011 2.

Pterophoridae, Pterophorinae, Oxyptilini

813. *Geina tenuidactylus* (Fitch) (6092. *Geina tenuidactyla* (Fitch)) (Himmelman's Plume Moth) – 21-VII-2003 1.
814. *Capperia ningoris* (Wlsm.) (6094. *Capperia ningoris* (Wlsm.)) – 22-VII-2000 1.
818. *Dejongia lobidactylus* (Fitch) (6102. *Dejongia lobidactyla* (Fitch)) – 20-VII-2008 1 and 31B-VII-2010 1.

Pterophoridae, Pterophorinae, Oidaematophorini

822. *Hellinsia homodactylus* (Wlk.) (6203. *Hellinsia homodactylus* (Wlk.)) – 13-VII-2002 1, 18-VII-2003 1, 12-VII-2004 2, 1-VII-2006 3 and 4-VII-2006 1.
824. *Hellinsia pectodactylus* (Staud.) (6205. *Hellinsia pectodactylus* (Staudinger)) – 22-VII-2000 1, 28-VII-2000 2, 12-VII-2004 1, 20-VII-2008 1 and 1C-VIII-2009 1.
833. *Oidaematophorus matthewianus* (Zell.) (6166. *Oidaematophorus matthewianus* (Zell.)) (Mathew's Plume Moth) – 29-VII-2004 1, 6-VIII-2005 4, 1-VII-2006 3, 17-VII-2006 3, 6-VIII-2006 1, 20-VII-2008 10, 18B-VII-2009 1, 1C-VIII-2009 1, 16-VII-2011 1 and 20C-VIII-2011 3.
834. *Oidaematophorus phaceliae* McD. (6170. *Oidaematophorus phaceliae* McD.) – 29-VII-2000 2.
839. *Oidaematophorus brucei* (Fern.) (6185. *Hellinsia brucei* (Fern.)) – 18-VII-2003 2, 21-VII-2003 2 and 22-VII-2003 1.

CARPOSINIDAE – Fruitworm Moths

845. *Bondia comonana* (Kft.) (2318. *Bondia comonana* (Kft.)) – 20-VII-2008 1.
846. *Bondia crescentella* (Wlsm.) (2319. *Bondia crescentella* (Wlsm.)) – 14-V-2000 1, 12-V-2001 2, 14B-V-2005 2, 29-IV-2006 2, 16A-V-2009 1, 18A-IV-2010 1, 15B-V-2010 1, 15C-V-2010 1 and 21-V-2011 1.

PYRALIDAE – Pyralid Moths

Pyralidae, Epipaschiinae

857. *Pococera aplastella* (Hulst) (5605. *Tetralopha aplastella* (Hulst)) (Aspen Webworm Moth) – 29-VI-2000 1, 4-VII-2003 1, 21-VII-2003 2, 13-VII-2008 1 and 20-VII-2008 1.
858. *Pococera asperatella* (Clem.) (5606. *Tetralopha asperatella* (Clem.)) (Maple Webworm Moth) – 17-VIII-2000 1, 26-V-2001 1, 27-VI-2001 1, 4-VII-2003 3, 17-VII-2003 2, 18-VII-2003 1, 21-VII-2003 4, 25A-VI-2005 1, 19A-VI-2006 1, 19B-VI-2006 1, 1C-VII-2006 1, 21A-VII-2007 1, 13-VII-2008 3, 20-VII-2008 1, 10A-VII-2010 2, 10B-VII-2010 1 and 31B-VII-2010 1.

Pyralidae, Phycitinae, Phycitini

863. *Myelopsis minutularia* (Hulst) (5719. *Myelopsis coniella* (Rag.)) – 12C-VI-2010 1.
864. *Myelopsis subtetricella* (Rag.) (5718. *Myelopsis subtetricella* (Rag.)) – 5-VIII-2000 1, 25A-VI-2005 1 and 18E-VIII-2010 1.
865. *Apomyeloides bistratella* (Hulst) (5721. *Apomyeloides bistratella* (Hulst)) – 29-VII-2000 1 and 13-VII-2008 1.
866. *Eulogia ochrifrontella* (Zell.) (5999. *Eulogia ochrifrontella* (Zell.)) (Nroad-banded Eulogia Moth) – 6-VII-2000 1, 28-VII-2000 1, 6-VIII-2000 1, 18-VIII-2000 1, 11-VII-2001 2, 4-VII-2003 1, 18-VII-2003 1, 21-VII-2003 1, 28-VII-2004 1, 6-VIII-2004 2, 6-VIII-2005 2, 20A-VIII-2005 1, 1B-VII-2006 1, 20-VII-2008 1, 18A-VII-2009 1, 1C-VIII-2009 1, 10B-VII-2010 1, 24A-VII-2010 1, 24B-VII-2010 1 and 31B-VII-2010 1.
869. *Caudellia nigrella* (Hulst) (6014. *Caudellia nigrella* (Hulst)) – 21-VII-2003 1 and 1B-VII-2006 1.
870. *Vitula seratilineella* Rag. (6007c. *Vitula seratilineella* Rag.) – 26-VIII-2003 1, 13-X-2004 1, 10A-VI-2005 1 and 25-VI-2005 1.
890. *Meroptera pravella* (Grt.) (5787. *Meroptera pravella* (Grt.)) (Lesser Aspen Webworm Moth) – 27-VI-2001 1, 7-VI-2003 1, 4-VII-2003 1, 18-VII-2003 1, 21-VII-2003 1, 10A-VI-2005 1, 25A-VI-2005 1, 19A-V-2006 1, 19B-VI-2006 1, 21A-VII-2007 1, 20-VII-2008 1, 13B-VI-2009 1, 18A-VII-2009 1 and 12C-VI-2010 1.
896. *Telethusia ovalis* (Pack.) (5812. *Telethusia ovalis* (Pack.)) – 29-VII-2004 1.
901. *Pyla aenigmatica* Heinr. (5827. *Pyla aenigmatica* Heinr.) – 24B-VII-2010 1.
903. *Pyla fusca* (Haw.) (5829. *Pyla fusca* (Haw.)) (Speckled Black Pyla Moth) – 16-VIII-2003 1.
906. *Dioryctria abietivorella* (Grt.) (5841. *Dioryctria abietivorella* (Grt.)) (Evergreen Coneworm Moth) – 18-VII-2003 1, 21-VII-2003 7, 20-VII-2008 1, 24B-VII-2010 2 and 31B-VII-2010 1. The 2003 specimens were determined by Amanda Roe, while Caroline Whitehouse determined the ones from 2008 and 2010. Both *Dioryctria abietivorella* and *D. reniculelloides* are notoriously difficult to distinguish without genitalic examination (Sopow et al. 1996).
907. *Dioryctria reniculelloides* Mut. & Mun. (5843. *Dioryctria reniculelloides* Mutuura & Mun.) (Spruce Coneworm Moth) – 28-VII-2003 3, 29-VII-2000 1, 5-VIII-2000 1, 18-VII-2003 1 and 21-VII-2003 5. All of these were determined by Amanda Roe.
928. *Phycitoides mucidella* (Rag.) (5946. *Phycitoides mucidellum* (Rag.)) – 31A-VII-2010 1.
920. *Zophodia grossulariella* (Hbn.) (5968. *Zophodia convolutella* (Hbn.)) (Gooseberry Fruitworm Moth) – 4-VI-2000 1, 12-V-2000 4, 25-V-2001 1, 26-V-2001 1, 18-V-2002 2, 15-VI-2002 1, 12-V-2003 1, 23-V-2003 3, 7-VI-2003 1, 14B-V-2005 1, 14C-V-2005 3, 28B-V-2005 2, 29-IV-2006 2, 1C-VII-2006 1, 16A-V-2009 1, 16B-V-2009 1, 15B-V-2010 1 and 15C-V-2010 1.

CRAMBIDAE - Snout Moths

Crambidae, Scopariinae

935. *Scoparia biplagiialis* Wlk. (4716. *Scoparia biplagiialis* Wlk.) (Double-striped Scoparia Moth) – 15-VII-2000 8, 28-VII-2000 2, 29-VII-2000 3, 5-VIII-2000 1, 17-VIII-2000 1, 18-VIII-2000 1, 11-VII-2001 1, 18-VII-2001 1, 28-IX-2002 1, 17-VII-2003 3, 21-VII-2003 1, 16-VIII-2003 1, 26-VIII-2003 1, 12-VII-2004 3, 29-VII-2004 1, 25A-VI-2005 2, 20A-VIII-2005 1, 19A-VI-2006 1, 19B-VI-2006 1, 1B-VII-2006 1, 17-VII-2006 1, 13-VII-2008 2, 10B-VII-2010 1, 15B-VIII-2010 1 and 16-VII-2011 1.
937. *Eudonia albertainis* (Dyar) (4727. *Eudonia albertainis* (Dyar)) – 25A-VI-2005 1.

Crambidae, Crambinae, Crambini

Species indet. – 5A-IX-2009 1.

946. *Catoptria latiradiellus* (Wlk.) (5408. *Catoptria latiradiella* (Wlk.)) (Three-spotted Crambus Moth) – 22-VII-2000 1.
948. *Chrysoteuchia topiarius* (Zell.) (5391. *Chrysoteuchia topiaria* (Zell.)) (Cranberry Girdler or Topiary Grass-veneer Moth) – 29-VI-2000 1, 7-VII-2000 1, 16-VI-2001 2, 29-VI-2002 3, 13-VII-2002 1, 14-VI-2003 2, 22-VII-2003 1, 11-VI-2004 2, 12-VII-2004 lots, 19A-VI-2006 1, 20-VII-2008 1 and 13B-VI-2009 1.
949. *Crambus pascuella* (L.) (5339. *Crambus pascuellus* (L.)) (Grass-veneer Moth) – 29-VI-2000 1, 21-VII-2003 2 and 10B-VII-2010 1.
953. *Crambus perlella* (Scop.) (5343a. *Crambus perlellus innotatellus* Wlk.) (Immaculate Grass-veneer Moth) – 6-VII-2000 1, 7-VII-2000 3, 22-VII-2000 2, 5-VIII-2000 1, 6-VIII-2000 1, 17-VIII-2000 2, 17-VI-2001 1, 11-VII-2001 1, 18-VII-2001 1, 2-VIII-2001 1, 14-VIII-2001 1, 13-VII-2002 1, 3-VIII-2002 2, 4-VII-2003 2, 22-VII-2003 1, 16-VIII-2003 1, 12-VII-2004 3, 29-VII-2004 1, 10-VIII-2004 1, 20A-VIII-2005 1, 1C-VII-2006 1, 13-VII-2008 1, 20-VII-2008 2, 18A-VII-2009 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 10B-VII-2010 3, 24A-VII-2010 1, 24B-VII-2010 1, 31B-VII-2010 1, 15B-VIII-2010 1 and 20C-VIII-2011 1.
954. *Crambus unistriatellus* Pack. (5344. *Crambus unistriatellus* Pack.) (Wide-stripe Grass-veneer Moth) – 13-VII-2002 1, 18-VII-2003 2, 10-VIII-2004 1 and 1C-VIII-2009 1.
955. *Crambus whitmerellus browni* Klots (5345a. *Crambus whitmerellus browni* Klots) – 6-VIII-2000 1.
956. *Crambus awemellus* McD. (5347. *Crambus awemellus* McD.) – 16-VIII-2003 1.
961. *Crambus leachellus* (Zinck.) (5357. *Crambus leachellus* (Zinck.)) (Leach's Grass-veneer Moth) – 6-VIII-2000 1.
963. *Crambus girardellus* Clem. (5365. *Crambus girardellus* Clem.) (Girard's Grass-veneer Moth) – 28-VII-2000 1, 27-VI-2001 1, 11-VII-2001 1, 20-VII-2001 1, 13-VII-2002 1, 4-VII-2003 2, 18-VII-2003 1, 21-VII-2003 1, 19B-VI-2006 1, 20-VII-2008 1 and 10B-VII-2010 1.
965. *Agriphila biarmicus* (Teng.) (5395. *Agriphila biarmica* (Tengström)) – 5-VIII-2000 1.
967. *Agriphila ruricolellus* (Zell.) (5399. *Agriphila ruricolella* (Zell.)) (Lesser Vagabond Sod Webworm Moth) – 29-VII-2000 1, 5-VIII-2000 2, 6-VIII-2000 1, 18-VII-2001 2, 2-VIII-2001 1, 14-VIII-2001 1, 3-VIII-2002 3, , 14-VIII-2002 3, 17-VII-2003 1, 18-VII-2003 1, 21-VII-2003 1, 16-VIII-2003 3, 29-VII-2004 2, 10-VIII-2004 2, 21A-VII-2007 2, 13-VII-2008 1, 20-VII-2008 1, 18B-VII-2009 1, 1A-VIII-2009 1, 1B-VIII-2009 1, 1C-VIII-2009 1, 1/22-VIII-2009 1, 5B-IX-2009 1, 24A-VII-2010 1, 24B-VII-2010 1 and 31B-VII-2010 2.
968. *Agriphila vulgivagellus* (Clem.) (5403. *Agriphila vulgivagella* (Clem.)) (Vagabond Sod Webworm Moth) – 26-VIII-2003 1 and 18C-VIII-2010 2.
969. *Agriphila attenuatus* Grote (5404. *Agriphila attenuata* Grote) – 26-VIII-2003 1.
- Pediasia females that are either *aridella edmontella* or *ericella* – 29-VII-2000 1, 13-VII-2002 1, 18-VII-2003 1, 21-VII-2003 1, 22-VII-2003 5 and 1C-VIII-2009 2.
974. *Pediasia aridella edmontella* (McD.) (5410a. *Pediasia aridella edmontella* (McD.)) – 18-VII-2003 1, 22-VII-2003 2, 12-VII-2004 1, 29-VII-2004 1 and 18B-VII-2009 1.

978. *Pediasia ericellus* (B. & McD.) (5415. *Pediasia ericella* (B. & McD.)) – 13-VII-2002 2, 21-VII-2003 1 and 10B-VII-2010 1.
979. *Pediasia abnaki* Klots (5416. *Pediasia abnaki* Klots) – 1B-VII-2006 1.
980. *Pediasia dorsipunctellus* (Kft.) (5417. *Pediasia dorsipunctella* (Kft.)) – 22-VII-2003 1, 29-VII-2004 1, 6-VIII-2005 1, 12C-VI-2010 1, 24B-VII-2010 1 and 31B-VII-2010 1.
982. *Tehama bonifatella* (Hulst) (5453. *Tehama bonifatella* (Hulst)) – 17-VI-2000 1, 25-V-2001 1, 13A-VI-2009 1 and 13B-VI-2009 1.

Crambidae, Schoenobiinae

985. *Donacaula melinellus* (Clem.) (5316b. *Donacaula melinella albicostella* (Fern.)) (Delightful Donacaula Moth) – 28-VII-2000 1. This specimen was identified by Dr. Edda Martinez as *Donacaula melinella albicostella*.

Crambidae, Acentropinae, Nymphulini

988. *Elophila icciusalis* (Wlk.) (4748. *Munroessa icciusalis* (Wlk.)) (Pondside Pyralid Moth) – 22-VII-2000 1.
989. *Synclita oblitalis* (Wlk.) (4755. *Synclita oblitalis* (Wlk.)) (Waterlily Leafcutter Moth) – 28-VII-2000 1, 5-VIII-2000 1, 6-VIII-2000 1, 18-VIII-2000 1, 22-VII-2003 1, 20A-VIII-2005 3 and 20C-VIII-2011 2.
990. *Paraponyx maculalis* (Clem.) (4759. *Paraponyx maculalis* (Clem.)) (Polymorphic Pondweed Moth) – 13-VII-2002 1 and 10B-VI-2005 1.

Crambidae, Evergestinae

995. *Evergestis pallidata* (Hufn.) (4897. *Evergestis pallidata* (Hufn.)) (Purple-backed Cabbageworm Moth) – 30B-VII-2005 1 and 24B-VII-2010 1.

Crambidae, Pyraustinae, Pyraustini

1006. *Saucrobotys fumoferalis* (Hulst) (4935. *Saucrobotys fumoferalis* (Hulst)) (Dusky Saucrobotys Moth) – 7-VI-2003 1, 10A-VI-2005 1, 10B-VI-2005 1, 3A-VI-2006 2, 15-VI-2007 2, 13B-VI-2009 1, 12C-VI-2010 2, 10B-VII-2010 1 and 24A-VII-2010 1.
1012. *Perispasta caeculalis* Zell. (4951. *Perispasta caeculalis* Zell.) (Titian Peale's Pyralid Moth) – 17-VI-2000 1, 29-VI-2000 2, 11-VI-2001 2, 12-VI-2001 and 18-VII-2003 1.
1013. *Anania coronata* (Hufn.) (4953. *Phlyctaenia coronata* (Hufn.)) (Crowned Phlyctaenia Moth) – 24-VI-2000 1, 29-VI-2000 3, 6-VII-2000 1, 25-V-2001 1, 15-VI-2002 1, 29-VI-2002 1, 11-VII-2001 1, 4-VII-2003 1, 10B-VI-2005 5, 25A-VI-2005 2, 19B-VI-2006 2, 1B-VII-2006 1, 20-VII-2008 1, 18B-VII-2009 1, 10B-VII-2010 3, 13-VI-2011 1 and 16-VII-2011 1.
1015. *Anania mysippusalis* (Wlk.) (4957. *Mutuuraia mysippusalis* (Wlk.)) – 17-VI-2000 1, 29-VI-2000 1, 25-V-2001 1, 27-VI-2001 1, 15-VI-2002 1, 7-VI-2003 1, 4-VII-2003 1, 19B-VI-2006 1 and 16-VII-2011 1.
1016. *Anania funebris* Ström. (4958. *Anania funebris* Ström.) (White-spotted Sable Moth) – 17-VI-2000 2, 29-VI-2000 1, 11-VI-2001 2, 16-VI-2001 1, 7-VI-2003 1, 18-VII-2003 1 and 4-VI-2006 2.
1021. *Loxostege sticticalis* (L.) (5004. *Loxostege sticticalis* (L.)) (Beet Webworm) – 11-VI-2004 1.
1026. *Pyrausta nicalis* (Grt.) (5032. *Pyrausta nicalis* (Grt.)) – 3-VI-2000 1 and 29-VI-2000 1.
1028. *Pyrausta generosa* (G. & R.) (5056. *Pyrausta generosa* (G. & R.)) – 17-VI-2000 1, 12-VII-2002 1, 21-VII-2003 1 and 20-VII-2008 1.

1034. *Pyrausta unifascialis* (Pack.) (5068. *Pyrausta unifascialis* (Pack.)) (Pussytoes Pyrausta Moth) – 25A-VI-2005 1.

Crambidae, Pyraustinae, Spilomelini

1041. *Udea rubigalis* (Gn.) (5079. *Udea rubigalis* (Gn.)) (Celery Leaf-tier Moth) – 17-VII-2003 2 and 17-VII-2004 2.
1045. *Udea itysalis* (Wlk.) (5099. *Udea itysalis* (Wlk.)) – 29-VI-2000 2, 6-VII-2000 4, 15-VII-2000 5, 22-VII-2000 2, 28-VII-2000 2, 5-VIII-2000 2, 18-VII-2001 1, 14-VIII-2001 1, 29-VI-2002 1, 3-VIII-2002 2, 4-VII-2003 2, 18-VII-2003 1, 21-VII-2003 1, 25A-VI-2005 1, 6-VIII-2005 2, 1B-VII-2006 3, 17-VII-2006 1, 21A-VII-2007 1, 13-VII-2008 2, 20-VII-2008 1, 18A-VII-2009 1, 18B-VII-2009 1, 1C-VIII-2009 1, 22A-VIII-2009 1, 1C-VIII-2009 1, 22A-VIII-2009 1, 10B-VII-2010 3, 24A-VII-2010 1, 24B-VII-2010 1, 31A-VII-2010 1, 31B-VII-2010 1, 16-VII-2011 1 and 20B-VIII-2011 1.
1039. *Choristostigma plumbosignalis* (Fern.) (5128. *Choristostigma plumbosignalis* (Fern.)) – 5-VIII-2000 1, 11-VII-2001 1, 18-VII-2001 1, 2-VIII-2001 2, 3-VIII-2002 1, 17-VII-2003 2, 18-VII-2003 1, 21-VII-2003 1, 22-VII-2003 1, 12-VII-2004 2, 1B-VII-2006 2, 17-VII-2006 2, 21A-VII-2007 1, 13-VII-2008 2, 20-VII-2008 2, 18A-VII-2009 1, 1C-VIII-2009 1, 10B-VII-2010 3, 24A-VII-2010 1, 24B-VII-2010 1 and 31B-VII-2010 1.
1054. *Nomophila nearctica* Mun. (5156. *Nomophila nearctica* Mun.) (Lucerna Moth or Celery Stalkworm Moth) – 18-VII-2001 1, 7-VIII-2001 1, 14-VIII-2001 1 and 15-IX-2001 1.

HESPERIIDAE – Skippers

Hesperiidae, Eudaminae

1057. *Thorybes pylades* (Scud.) (3910. *Thorybes pylades* (Scudder)) (Northern Cloudywing) – 17-VI-2000 2 and 15-VI-2002 1.

Hesperiidae, Pyrginae, Erynnini

1059. *Erynnis icelus* Scud. & Burg. (3945. *Erynnis icelus* Scudder & Burgess) (Dreamy Duskywing) – 30-V-1999 1, 20-VI-1999 1, 17-VI-2000 1, 25-V-2001 1, 7-VI-2003 2, 14-VI-2003 2, 14A-V-2005 1, 22-V-2005 1 and 16-V-2010 1.
1061. *Erynnis persius* (Scud.) (3961. *Erynnis persius* (Scudder)) (Persius Dreamywing) – 8-VI-2002 1 and 29-V-2002 2.

Hesperiidae, Heteropterinae

1067. *Carterocephalus palaemon* (Pallas) (3982. *Carterocephalus palaemon* (Pallas)) (Arctic Skipper) – 17-VI-2000 1, 29-VI-2000 1, 15-VI-2002 1, 7-VI-2003 1, 19A-V-2006 1 and 1-VI-2008 1.

Hesperiidae, Hesperinae, Thymelicini

1071. *Thymelicus lineola* (Ochs.) (4012. *Thymelicus lineola* (Ochs.)) (European Skipper) – 1A-VII-2006 4, 18-VII-2006 2, 13A-VIII-2006 1, 21-VII-2008 1, 2-VIII-2009 1 and 1-VIII-2010 1.

Hesperiidae, Hesperinae, Hesperini

1081. *Polites themistocles* (Latr.) (4041. *Polites themistocles* (Latr.)) (Tawny-edged Skipper) – 12-VI-1999 1, 12-VII-2004 2 and 1A-VII-2006 1.

1082. *Polites mystic* (Edw.) (4043. *Polites mystic* (Edw.)) (Long Dash Skipper) – 15-VII-2000 1, 12-VII-2001 1 and 18-VII-2003 1.

PAPILIONIDAE – Swallowtails



Papilio zelicaon caterpillar on *Heracleum lanatum*, 2 Jul 2006.

1090. *Papilio zelicaon* Lucas (4167. *Papilio zelicaon* Lucas) (Anise Swallowtail) – Though adults have not been collected, caterpillars have been found (see above) feeding on Cow Parsnip (*Heracleum lanatum*).

1091. *Papilio canadensis* Roth. & Jord. (4176a. *Papilio glaucus canadensis* R. & J.) (Canadian Tiger Swallowtail) – 15-VI-2002 SR, 7-VI-2003 SR, 4-VII-2003 SR, 22-V-2005 1, 28-V-2005 SR, 12A-VI-2010 1 and 12-VI-2011 2.

PIERIDAE – Whites and Sulphurs

Pieridae, Coliadinae

1095b. *Colias philodice eriphyle* Edw. (4209. *Colias philodice* Godt.) (Clouded Sulphur) – 20-VI-1999 1, 13-IX-2004 SR, 28-V-2005 SR.

Pieridae, Pierinae, Anthocharitini

1108. *Euchloe ausonides mayi* Cherm. & Cherm. (4200. *Euchloe ausonides* Luc.) (Large Marble) – 3-VI-2000 1.

Pieridae, Pierinae, Pierini

1113. *Pieris oleracea napi* (Harr.) (4195d. *Pieris oleracea* Harr.) (Mustard White) – 27-VI-1999 1, 3-VI-2000 1, 2-VIII-2001 2, 7-VI-2003 1, 18-VII-2003 1, 22-VI-2005 1 and 28-V-2005 SR.

1114. *Pieris rapae* (L.) (4197. *Pieris rapae* (L.)) (Cabbage White) – 3-VIII-2001 1, 21-VII-2003 1 and 22-V-2011 1.

LYCAENIDAE – Blues and Hairstreaks

Lycaenidae, Polyommatae, Polyommataini

1142. *Cupido amyntula albrighti* (Clench) (4362b. *Everes amyntula* (Bdv.)) (Western Tailed Blue) -20-VI-1999 1, 17-VI-2000 1, 29-VI-2000 1, 8-VI-2002 1, 14-VI-2003 1, 12-VII-2004 SR, 22-V-2005 3 and 28A-V-2005 2.
1143. *Celastrina lucia* (Kby.) (4363. *Celastrina ladon* (Cram.)) (Spring Azure) – 11-V-2003 1, 13-V-2003 2, 24-V-2003 1, 14A-V-2005 1 and 28-V-2005 3.
1148. *Glaucopsyche lygdamus afra* (Edw.) (4372a. *Glaucopsyche lygdamus couperi* Grt.) (Silvery Blue) – 25-V-2001 1, 7-VI-2003 2, 14A-V-2005 2, 28A-V-2005 1, 1-VI-2008 1 and 22-V-2011 1.
1151. *Aricia saepiolus amica* (Edw.) (4376. *Plebejus saepiolus* (Bdv.)) (Greenish Blue) – 20-VI-1999 1, 27-VI-1999 2, 17-VI-2000 1, 17-VII-2003 1 and 19A-VI-2006 2.

NYMPHALIDAE – Fritillaries and others

Nymphalidae, Limenitidinae, Limenitidini

1158. *Limenitis arthemis rubrofasciata* (B. & McD.) (4522. *Basilarchia arthemis* (Drury)) (White Admiral) – 12-VII-2004 SR.

Nymphalidae, Heliconiinae, Argynnini

1165. *Boloria myrina* (Cram.) (4464. *Clossiana selene* (D. & S.)) (Silver-bordered Fritillary) – 6-VII-2000 1 and 18-VII-2003 1.
1166. *Boloria bellona jenistai* Stall. & Turn. (4465b. *Boloria bellona* (Fabr.)) (Meadow Fritillary) – 30-V-1999 1, 12-VI-2001 1, 15-VI-2002 SR and 4-VI-2006 1.
1173. *Boloria chariclea grandis* (B. & Benj.) (4475. *Boloria chariclea* (Schneider)) (Purple Fritillary) – 3-VIII-2001 1.
1174. *Speyeria cybele pseudocarpenteri* Cherm. & Cherm. (4450c. *Speyeria cybele pseudocarpenteri* Cherm. & Cherm.) (Great Spangled Fritillary) – 7-VIII-1999 1 and 21-VII-2008 1.
- 1176b. *Speyeria aphrodite manitoba* Cherm. & Cherm. (4451. *Speyeria aphrodite* (F.)) (Aphrodite Fritillary) – 25-VII-2010 1.
1181. *Speyeria atlantis hollandi* (Cherm. & Cherm.) (4459b. *Speyeria atlantis hollandi* F.R. Cherm.) (Atlantis Fritillary) – 12-VI-1999 1, 15-VIII-1999 2 and 20-VI-2000 1.
- 1182b. *Speyeria hesperis beani* (B. & Benj.) (4459r. *Speyeria electa beani* (B. & Benj.)) – 2-VIII-2001 1.
- 1182c. *Speyeria hesperis dennisi* dos Passos (4459s. *Speyeria electa lais* (Edw.)) (Northwestern Fritillary) – 12-VI-1999 1, 12-VII-2004 SR, 2-VIII-2009 1 and 20A-VIII-2011 1.

Nymphalidae, Nymphalinae, Nymphalini

1186. *Vanessa cardui* (L.) (4435. *Vanessa cardui* (L.)) (Painted Lady) – 20A-VIII-2005 1.
1189. *Aglais milberti* (Godt.) (4433. *Aglais milberti* (Godt.)) (Milbert's Tortoiseshell) – 13-IX-2004 SR.
1190. *Nymphalis j-album* (Bdv. & Lec.) (4430. *Nymphalis j-album* (D. & S.)) (Compton's Tortoiseshell) – 13-IX-2004 SR.

1192. *Nymphalis antiopa hyperborea* (Seitz) (4432. *Nymphalis antiopa* (L.)) (Mourning Cloak) – 14-VI-2003 1, 10-VIII-2004 SR, 13-IX-2004 SR, 28-V-2005 SR, 20A-VIII-2005 1 and 12-VI-2011 1.
- 1194a. *Polygonia satyrus satyrus* (Edw.) (4422. *Polygonia satyrus* (Edw.)) (Satyr Anglewing) – 28A-V-2005 1 and 12A-V-2007 1.
1195. *Polygonia progne* (Cram.) (4429. *Polygonia progne* (Cram.)) (Gray Comma) – 3-VI-2000 1.
- 1198a. *Polygonia faunus faunus* (Edw.) (4423. *Polygonia faunus* (Edw.)) (Green Comma) – 13A-IV-2008 1.

Nymphalidae, Nymphalinae, Melitaeini

1208. *Phyciodes cocyta* (Cram.) (4481. *Phyciodes cocyta* (Cram.)) (Northern Pearl Crescent) – 12-VI-1999 1, 20-VI-1999 3, 20-VII-1999 3, 15-VIII-1999 1, 17-VI-2000 1, 17-VIII-2000 1, 4-VII-2003 SR, 17-VII-2003 1, 18-VII-2003 1, 12-VII-2004 SR, 19A-VI-2006 1, 21-VII-2008 1 and 2-VIII-2009 1.

SATYRIDAE – Browns & Arctics

Satyridae, Satyrinae, Satyrini

1214. *Cercyonis pegala ino* Hall (4587. *Cercyonis pegala* (F.)) (Common Wood Nymph or Meadow Brown) – 27-VII-1999 1, 15-VIII-1999 1, 17-VIII-2001 1, 10-VIII-2004 lots, 20A-VIII-2005 1, 1A-VII-2006 1 and 25-VII-2010 1.
1218. *Erebia epipsodea* Butler (4599. *Erebia epipsodea* Butler) (Common Alpine) – 15-VI-2002 SR, 7-VI-2003 1, 14-VI-2003 1, 12-VII-2004 SR and 28-V-2005 SR.
1219. *Erebia discoidalis* (Kby.) (4596. *Erebia discoidalis* (Kby.)) (Red-disked Alpine) – 24-V-2003 1, 14A-V-2005 1, 15A-V-2010 1 and 22-V-2011 1.

DREPANIDAE – Lutestrings and Hooktips

Drepanidae, Thyatirinae, Habrosyninae

1231. *Habrosyne scripta* (Gosse) (6235. *Habrosyne scripta* (Gosse)) (The Scribe or Lettered Habrosyne Moth) – 23-VI-2000 1, 29-VI-2000 1, 6-VII-2000 1, 22-VII-2000 2, 28-VII-2000 1, 27-VI-2001 3, 29-VI-2002 1, 3A-VI-2006 1, 19B-VI-2006 1, 15-VI-2007 1, 20A-VI-2008 1, 20-VII-2008 1, 13B-VI-2009 1 and 10B-VII-2010 1.
1232. *Pseudothyatira cymatophoroides* (Gn.) (6237. *Pseudothyatira cymatophoroides* (Gn.)) (Short-cloaked Lutestring) – 21-VII-2003 1, 25A-VI-2005 2, 19B-VI-2006 1 and 18-VII/1-VIII-2009 2.

Drepanidae, Thyatirinae, Macrothyatirini

1233. *Euthyatira pudens* (Gn.) (6240. *Euthyatira pudens* (Gn.)) (Dogwood Thyatira) – 4-VI-2000 1, 12-V-2001 1, 25-V-2001 1, 18-V-2002 1, 8-VI-2002 1, 15-VI-2002 1, 23-V-2003 1, 7-VI-2003 1, 16A-V-2009 1, 16B-V-2009 1, 15C-V-2010 1 and 21-V-2011 1.

Drepanidae, Drepaninae, Drepanini

1236. *Drepana arcuata* (Wlk.) (6251. *Drepana arcuata* Wlk.) (Arched Hooktip) – 22-VII-2000 1, 26-V-2001 4, 27-VI-2001 2, 15-VI-2002 1, 7-VI-2003 1, 14-VI-2003 1, 25A-VI-2005 1, 19A-V-2006 1 and 15-VI-2007 1.

1237. *Drepana bilineata* (Pack.) (6252. *Drepana bilineata* (Pack.)) (Two-lined Hooktip) – 22-VII-2000 3, 28-VII-2000 1, 25-V-2001 1, 27-VI-2001 1, 11-VII-2001 3, 8-VI-2002 1, 19A-V-2006 1, 19B-VI-2006 1, 1C-VII-2006 1, 15-VI-2007 1, 31A-V-2008 1, 20A-VI-2008 1, 20-VII-2008 1, 15C-V-2010 1 and 21-V-2011 1.
1238. *Eudeilina herminiata* (Gn.) (6253. *Eudeilina herminiata* (Gn.)) (Northern Eudeilina) – 3-VIII-2001 1.

Drepanidae, Drepaninae, Oretini

1239. *Oreta rosea* (Wlk.) (6255. *Oreta rosea* (Wlk.)) (Rose Hooktip) – 22-VII-2000 1, 28-VII-2000 3, 11-VII-2001 4, 13-VII-2002 1, 4-VII-2003 2, 12-VII-2004 4, 1C-VII-2006 1, 21A-VII-2007 1, 13-VII-2008 1, 20-VII-2008 3 and 16-VII-2011 1.

URANIIDAE – Scoopwing Moth

Uraniidae, Epipleminae

1240. *Callizia amorata* (Pack.) (7650. *Callizia amorata* (Pack.)) (Gray Scoopwing) – 17-VI-2000 1, 29-VI-2000 2, 6-VII-2000 4, 15-VII-2000 4, 28-VII-2000 1, 5-VIII-2000 1, 11-VI-2001 1, 29-VI-2002 SR, 12-VII-2004 1, 19B-VI-2006 1, 21A-VII-2007 1, 13-VII-2008 1, 20-VII-2008 1, 22B-VIII-2009 1, 10A-VII-2010 1, 10B-VII-2010 1 and 31B-VII-2010 1.

GEOMETRIDAE – Geometrid Moths

Geometridae, Larentiinae, Cidariini

1241. *Dysstroma citrata* (L.) (7182. *Dysstroma citrata* (L.)) (Dark Marbled Carpet) – 6-VII-2000 2, 22-VII-2000 1, 5-VIII-2000 3, 17-VIII-2000 5, 18-VIII-2000 3, 26-VIII-2000 1, 16-IX-2000 3, 17-IX-2000 4, 27-VI-2001 1, 2-VIII-2001 6, 25-VIII-2001 2, 2-IX-2001 2, 8-IX-2001 1, 15-IX-2001 2, 25-VIII-2003 3, 2-IX-2003 2, 29-VII-2004 1, 21-VIII-2004 1, 13-IX-2004 1, 6-VIII-2005 2, 20A-VIII-2005 5, 24A-IX-2005 1, 24B-IX-2005 1, 19B-VI-2006 1, 13C-VIII-2006 2, 2-IX-2006 1, 1C-VIII-2009 1, 5B-IX-2009 1, 31B-VII-2010 1, 15B-VIII-2010 1 and 20C-VIII-2011 1.
1244. *Dysstroma truncata* (Hufn.) (7187. *Dysstroma truncata* (Hufn.)) (Marbled Carpet) – 15-VII-2000 1, 22-VII-2000 3, 11-VII-2001 1, 4-VII-2003 1, 25A-VI-2005 1, 1C-VII-2006 1, 13-VII-2008 1, 20-VII-2008 1 and 24B-VII-2010 1.
1247. *Dysstroma hersiliata* (Gn.) (7189. *Dysstroma hersiliata* (Gn.)) (Orange-barred Carpet) – 15-VII-2000 1, 22-VII-2000 2, 6-VIII-2000 1, 11-VII-2001 1, 13-VII-2008 1, 20-VII-2008 1 and 1C-VIII-2009 1.
1250. *Dysstroma brunneata* (Pack.) (7194. *Dysstroma brunneata* (Pack.)) (Handsome Carpet) – 5-VIII-2000 1 and 16-VII-2011 1.
1252. *Eulithis propulsata* (Wlk.) (7199. *Eulithis propulsata* (Wlk.)) (Barred Yellow or Currant Eulithis) – 24-VII-2000 1, 28-VII-2000 2, 29-VII-2000 1, 5-VIII-2000 1, 6-VIII-2000 1, 18-VII-2001 1, 2-VIII-2001 1, 25-VIII-2001 1, 3-VIII-2002 2, 29-VII-2004 1, 20A-VIII-2005 1, 21A-VII-2007 1, 20-VII-2008 1, 24B-VII-2010 1 and 20C-VIII-2011 2.
1253. *Eulithis testata* (L.) (7201. *Eulithis testata* (L.)) (Chevron Moth) – 5-VIII-2000 2, 6-VIII-2000 1, 17-VIII-2000 3, 18-VIII-2000 3, 26-VIII-2000 2, 17-IX-2000 1, 14-VIII-2001 2, 13-IX-2002 1, 16-VIII-2003 1, 21-VIII-2004 2, 20A-VIII-2005 1, 2-IX-2006 1, 22B-VIII-2009 2 and 15B-VIII-2010 1.

1255. *Eulithis flavibrunneata* (McD.) (7205. *Eulithis flavibrunneata* (McD.)) – 6-VIII-2000 1, 18-VIII-2000 1, 14-VIII-2001 2, 2-IX-2001 2, 16-VIII-2003 1, 20A-VIII-2005 1, 13C-VIII-2006 1 and 22B-VIII-2009 1.
1256. *Eulithis explanata* Wlk.) (7206. *Eulithis explanata* (Wlk.)) (White Eulithis) – 27-VI-2000 1, 5-VIII-2000 2, 29-VII-2004 2, 6-VIII-2005 1, 20A-VIII-2005 1, 17-VII-2006 1, 21A-VII-2007 1 and 1C-VIII-2009 1.
1257. *Eulithis xyliana* (Hulst) (7207. *Eulithis xyliana* (Hulst)) (The Phoenix) – 28-VII-2000 1, 6-VIII-2000 1, 17-VIII-2000 1, 18-VII-2001 2, 2-VIII-2001 1, 3-VIII-2002 1, 7-VI-2003 1, 21A-VII-2007 1, 1C-VIII-2009 1, 24B-VII-2010 1 and 31B-VII-2010 1.
1258. *Antepirrhoe semiatrata* (Hulst) (7210. *Eustroma semiatrata* (Hulst)) (Black-banded Carpet) – 29-VII-2000 2, 11-VII-2001 2 and 20-VII-2008 1.
1260. *Ecliptopera silaceata* (D. & S.) (7213. *Ecliptopera silaceata* (D. & S.)) (Small Phoenix) – 29-VI-2000 2, 15-VII-2000 1, 11-VI-2001 1, 27-VI-2001 2, 15-VI-2002 1, 7-VI-2003 3, 14-VI-2003 1, 10-VI-2004 2, 10B-VI-2005 2, 25A-VI-2005 1, 19B-VI-2006 2 and 15-VI-2007 1.
1262. *Plemyria georgii* (Hulst) (7216. *Plemyria georgii* (Hulst)) (Eyed Carpet) – 2-VIII-2001 3, 14-VIII-2001 1, 25-VIII-2001 1 and 2-IX-2006 1.

Geometridae, Larentiinae, Hydriomenini

1267. *Hydriomena perfracta* Swett (7229. *Hydriomena perfracta* Swett) (Marbled Carpet) – 17-VI-2000 1, 26-V-2001 1, 8-VI-2002 1 and 28B-V-2005 1.
1268. *Hydriomena divisaria* (Wlk.) (7235. *Hydriomena divisaria* (Wlk.)) (Transverse-banded Looper) – 27-VI-2001 1.
1271. *Hydriomena ruberata* (Frey) (7254. *Hydriomena ruberata* (Frey)) – 25-V-2001 1, 26-V-2001 4, 14-VIII-2001 1, 7-VI-2003 2, 10-VI-2004 1, 21-V-2005 1, 28B-V-2005 1, 3A-VI-2006 1, 21A-VII-2007 1, 15B-V-2010 1 and 12C-VI-2010 1.
1273. *Hydriomena furcata* (Thunb.) (7257. *Hydriomena furcata* (Thunb.)) (Common Highflyer) – 29-VII-2000 1, 5-VIII-2000 3, 6-VIII-2000 2, 17-VIII-2000 2, 18-VIII-2000 2, 26-VIII-2000 2, 2-VIII-2001 3, 14-VIII-2001 1, 25-VIII-2001 1, 3-VIII-2002 3, 14-VIII-2002 2, 16-VIII-2003 1, 25-VIII-2003 1, 29-VII-2004 2, 9-VIII-2004 3, 21-VIII-2004 1, 20A-VIII-2005 4, 13C-VIII-2006 1, 15-VI-2007 1, 21A-VII-2007 1, 13B-VI-2009 1, 22B-VIII-2009 1, 15B-VIII-2010 1, 20C-VIII-2011 1 and 3-IX-2011 1.
1275. *Triphosa haesitata* (Gn.) (7285. *Triphosa haesitata* (Gn.)) (Brown Tissue Moth) – 19A-V-2006 1.
1277. *Hydria undulata* (L.) (7291. *Hydria undulata* (L.)) (Scallop Shell) – 27-VI-2001 2 and 25A-VI-2005 1.
1278. *Rheumaptera hastata* (L.) (7293. *Rheumaptera hastata* (L.)) (Spear-marked Black) – 27-VI-1999 1.
1283. *Mesoleuca ruficillata* (Gn.) (7307. *Mesoleuca ruficillata* (Gn.)) (Red-fringed Carpet) – 29-VI-2000 3, 6-VII-2000 1, 27-VI-2001 1 and 19B-VI-2006 1.
1286. *Spargania luctuata* (D. & S.) (7313. *Spargania luctuata* (D. & S.)) (White-barred Black) – 29-VI-2000 3, 15-VII-2000 2, 22-VII-2000 1, 27-VI-2001 4, 29-VI-2002 1, 13-VII-2002 1, 14-VI-2003 1, 4-VII-2003 3, 12-VII-2004 4, 25A-VI-2005 1, 3B-VI-2006 1, 19B-VI-2006 1, 21A-VII-2007 1, 20A-VI-2008 1, 13-VII-2008 1 and 20-VII-2008 1.
1287. *Perizoma basaliata* (Wlk.) (7316. *Perizoma basaliata* (Wlk.)) (Twin-spot Wave) – 28-VII-2000 2, 11-VII-2001 1, 3-VIII-2002 2, 17-VII-2003 1, 21-VII-2003 1, 22-VII-2003 1, 29-VII-2004 2, 19B-VI-2006 1, 21A-VII-2007 1, 20-VII-2008 2, 1B-VIII-2009 1, 24B-VII-2010 3 and 31B-VII-2010 1.
1290. *Anticlea vasilata* Gn. (7329. *Anticlea vasilata* Gn.) (Variable Carpet) – 22-IV-2000 8, 5-V-2000 3, 20-V-2000 2, 26-V-2000 1, 3-VI-2000 1, 4-VI-2000 1, 5-V-2001 1, 12-V-2001 10, 25-V-2001 2, 11-V-2002 1, 18-V-2002 3, 12-V-2003 3, 23-V-2003 1, 7-VI-2003 1, 14-VI-2003 1, 10-VI-2004 1, 14C-V-2005 2, 28B-V-2005 1, 29-IV-2006 1, 6-V-2006 1, 31A-V-2008 2, 2b-V-2009 1, 2C-V-2009 1, 16A-V-2009 1, 16B-V-2009 1 and 15C-V-2010 1.

1291. *Anticlea multiferata* (Wlk.) (7330. *Anticlea multiferata* (Wlk.)) (Many-lined Carpet) – 12-V-2001 1, 26-V-2001 1, 14-VI-2003 1, 14C-V-2005 1 and 10B-VI-2005 1.

Geometridae, Larentiinae, Stamnodini

1292. *Stamnodes topazata* (Stkr.) (7349. *Stamnodes topazata* (Stkr.)) (Topaz Carpet) – 30-IV-2000 1, 13-V-2000 2, 12-V-2001 1 and 16-V-2010 1.

Geometridae, Larentiinae, Xanthorhoini

1293. *Xanthorhoe labradorensis* (Pack.) (7368. *Xanthorhoe labradorensis* (Pack.)) – 29-VI-2000 1 and 6-VII-2000 1.
1295. *Xanthorhoe abrasaria* (H.-S.) (7370. *Xanthorhoe abrasaria* (H.-S.)) – 15-VII-2000 2, 22-VII-2000 1, 11-VII-2001 3, 17-VII-2003 2, 12-VII-2004 1, 25A-VI-2005 2, 19A-VI-2006 1, 19B-VI-2006 1, 1C-VII-2005 1, 13-VII-2008 1, 16A-V-2009 1 and 10B-VII-2010 2.
1304. *Xanthorhoe decoloraria* (Esper) (7384. *Xanthorhoe munitata* (Hbn.)) – 17-VI-2000 1, 18-VIII-2000 1, 18-VII-2001 1, 14-VIII-2002 1, 3-VIII-2002 2, 12-VII-2004 1, 20A-VIII-2005 2, 1C-VIII-2009 1 and 24B-VII-2010 1.
1306. *Xanthorhoe ferrugata* (Cl.) (7388. *Xanthorhoe ferrugata* (Cl.)) (Red Twin-spot) – 20-V-2000 1, 4-VI-2000 1, 17-VI-2000 2, 23-VI-2000 3, 29-VI-2000 2, 22-VII-2000 1, 28-VII-2000 2, 29-VII-2000 1, 5-VIII-2000 2, 6-VIII-2000 1, 26-V-2001 1, 16-VI-2001 1, 27-VI-2001 1, 11-VII-2001 1, 18-VII-2001 2, 15-VI-2002 1, 10-VI-2004 1, 14C-V-2005 1, 28B-V-2005 1, 15-VI-2007 2, 21A-VII-2007 1, 31A-V-2008 1, 20A-VI-2008 1 and 12C-VI-2010 1.
1307. *Xanthorhoe lacustrata* (Gn.) (7390. *Xanthorhoe lacustrata* (Gn.)) (Toothed Brown Carpet) – 5-V-2000 1, 20-V-2000 1, 26-V-2000 1, 4-VI-2000 1, 17-VI-2000 1, 25-V-2001 1, 11-VII-2001 1, 18-VII-2001 1, 18-V-2002 2, 8-VI-2002 4, 23-V-2003 1, 7-VI-2003 1 and 19A-V-2006 1.
1308. *Epirrhoe alternata* (Müller) (7394. *Epirrhoe alternata* (Müller)) (White-banded Toothed Carpet) – 28-VII-2000 1 and 16-VII-2011 1.
1309. *Epirrhoe plebeculata* (Gn.) (7395. *Epirrhoe plebeculata* (Gn.)) (Orange-winged Carpet) – 5-V-2000 1, 29-IV-2006 2 and 2A-V-2009 1.
1310. *Epirrhoe sperryi* Herb. (7396. *Epirrhoe sperryi* Herbulot) (Small Argent and Sable) – 19-VI-2003 1 and 19A-V-2006 1.
1311. *Euphyia intermediata* (Gn.) (7399a. *Euphyia alternata unangulata* (Haw.)) (Sharp-angled Carpet) – 17-VI-2002 2, 29-VI-2000 1, 6-VII-2000 2, 15-VII-2000 3, 22-VII-2000 1, 11-VI-2001 2, 15-VI-2007 1, 31A-V-2008 1, 20A-VI-2008 2, 13-VII-2008 1, 20-VII-2008 1 and 10B-VII-2010 1.
1312. *Zenophleps alpinata* Cass. (7408. *Zenophleps alpinata* Cass.) (Wood-colored Carpet) – 28-VII-2000 1, 18-VIII-2000 1, 2-VIII-2001 2, 14-VIII-2001 1, 14-VIII-2002 1, 29-VII-2004 1, 8-VIII-2004 1, 6-VIII-2005 1, 13C-VIII-2006 1, 21A-VII-2007 1, 1C-VIII-2009 1, 31B-VII-2010 1, 15B-VIII-2010 1 and 20C-VIII-2011 1.
1315. *Orthonama evansi* (McD.) (7415. *Orthonama evansi* (McD.)) – 5-VIII-2000 1.

Geometridae, Larentiinae, Asthenini

1316. *Hydrelia albifera* (Wlk.) (7423. *Hydrelia albifera* (Wlk.)) (Fragile White Carpet) – 20-VII-2008 1 and 18A-VII-2009 1.
1317. *Venusia cambrica* Curt. (7425. *Venusia cambrica* Curt.) (The Welsh Wave) – 29-VI-2000 1, 27-VI-2001 1, 11-VII-2001 1, 17-VII-2003 1, 25A-VI-2005 2, 19B-VI-2006 2 and 1-VII-2006 1.

1319. *Venusia pearsalli* (Dyar) (7429. *Venusia pearsalli* (Dyar) (Pearsall's Wave)) – 12-V-2003 1, 23-V-2003 3, 21-V-2005 1, 28B-V-2005 1, 29-IV-2006 1, 6-V-2006 2, 31A-V-2008 1, 2A-V-2009 1, 2C-V-2009 1 and 15C-V-2010 1.
1320. *Trichodezia albovittata* (Gn.) (7430. *Trichodezia albovittata* (Gn.)) (White-striped Black) – 27-VI-2001 1 and 18-VII-2003 1.

Geometridae, Larentiinae, Operophterini

1322. *Epirrita autumnata* (Bkh.) (7433. *Epirrita autumnata* (Bkh.)) (Autumn Moth) – 17-IX-2000 1.
1324. *Operophtera bruceata* (Hulst) (7437. *Operophtera bruceata* (Hulst)) (Bruce Spanworm) – 21-X-1999 4, 12-X-2000 6, 13-C-2000 2, 20-X-2000 5, 21-X-2000 4, 4-X-2004 3, 13-X-2004 4, 22-X-2005 SR, 12-X-2007 1 and 28-X-2011 1.

Geometridae, Larentiinae, Eudelini

1325. *Eubaphe mendica* (Wlk.) (7440. *Eubaphe mendica* (Wlk.)) (The Beggar) – 22-VII-2000 1, 28-VII-2000 1, 11-VII-2001 1, 29-VI-2002 SR, 4-VII-2003 1, 12-VII-2004 3 and 20-VII-2008 1.

Geometridae, Larentiinae, Eupitheciini

1326. *Horisme intestinata* (Gn.) (7445. *Horisme intestinata* (Gn.)) (Brown Bark Carpet) – 29-VI-2000 3, 15-VII-2000 2, 25-V-2001 1, 26-V-2001 1, 27-VI-2001 1, 18-VII-2001 1, 29-VI-2002 SR, 14-VI-2003 1, 29-VII-2004 1, 28B-V-2005 1, 25A-VI-2005 1, 19B-VI-2006 1, 13-VII-2008 1, 13B-VI-2009 1, 1C-VIII-2009 1, 12B-VI-2010 1 and 12C-VI-2010 1.
- Eupithecia* spp. – 1-VII-2005 1, 29-VII-2005 1, 15-VI-2007 1, 31A-V-2008 2, 20-VII-2008 1, 13A-VI-2009 1, 18A-VII-2009 1, 18A-IV-2010 1, 15B-V-2010 1, 15C-V-2010 1, 12B-VI-2010 1, 12C-VI-2010 2, 24A-VII-2010 1 and 12-VI-2011 3.
1330. *Eupithecia palpata* Pack. group (7449. *Eupithecia palpata* Pack. group) (Small Pine Looper) – 7-VI-2003 1 and 1B-VII-2006 1.
1332. *Eupithecia columbiata* (Dyar) (7459. *Eupithecia columbiata* (Dyar)) (Columbia Pug) – 4-VI-2000 1, 12-V-2001 4, 25-V-2001 1, 18-V-2002 1, 12-V-2003 1, 7-VI-2003 1, 14-V-2005 1, 29-IV-2006 2 and 6-V-2006 1.
1336. *Eupithecia subfuscata* (Haw.) (7487. *Eupithecia subfuscata* (Haw.)) (Grey Pug) – 6-VI-2000 1, 4-VI-2000 1, 29-VI-2000 7, 6-VII-2000 1, 26-V-2001 1, 11-VI-2001 1, 27-VI-2001 2, 28-V-2005 3 and 25-VI-2005 2.
1339. *Eupithecia misturata* (Hulst) (7476. *Eupithecia misturata* (Hulst)) (Insignificant Pug) – 14-V-2005 1.
1346. *Eupithecia ravocostaliata* Pack. (7605. *Eupithecia ravocostaliata* Pack.) (Great Variegated Pug) – 20-V-2000 1, 12-V-2001 3, 8-VI-2002 1, 12-V-2003 2, 7-VI-2003 1, 23-IV-2005 1, 14C-V-2005 1, 28B-V-2005 2, 29-IV-2006 1, 19A-V-2006 1, 12B-V-2007 1, 16A-V-2009 1 and 16B-V-2009 2.
1347. *Eupithecia lariciata* Freyer (7489. *Eupithecia luteata* Pack.) (Two-banded Pug) – 17-VI-2000 6 and 3A-VI-2006 1.
1350. *Eupithecia annulata* (Hulst) (7543. *Eupithecia annulata* (Hulst)) (March Pug) – 22-IV-2000 1, 5-V-2000 1, 5-V-2001 1, 12-V-2001 3, 8-VI-2002 1, 12-V-2003 1, 29-IV-2006 1, 13B-IV-2008 2, 2A-V-2009 1 and 2B-V-2009 1.
1355. *Eupithecia satyrata* Hbn. (7520c. *Eupithecia satyrata dodata* Tayl.) (Alberta Pug) – 22-VII-2000 1, 26-V-2001 1, 11-VI-2001 1, 16-VI-2001 1, 8-VI-2002 1, 15-VI-2002 2, 10-VI-2004 1, 28B-V-2005 4, 10B-VI-2005 6 and 25A-VI-2005 1.
1357. *Eupithecia nimbicolor* (Hulst) (7522. *Eupithecia nimbicolor* (Hulst)) (Washed Pug) – 26-V-2001 1.

1360. *Eupithecia assimilata* Dbldy. (7528. *Eupithecia fumosa* Hulst) – 17-VI-2000 1, 26-V-2001 1, 11-VI-2001 1, 28B-V-2005 1 and 3A-VI-2006 1.
 1371. *Eupithecia tripunctaria* H.-S. (7488. *Eupithecia tripunctaria* H.-S.) – 10-VI-2005 1 and 25-VI-2005 4.

Geometridae, Larentiinae, Lobophorini

1374. *Cladara limitaria* (Wlk.) (7637. *Cladara limitaria* (Wlk.)) (Mottled Grey Carpet) – 12-V-2001 1, 25-V-2001 1, 26-V-2001 1, 12-V-2003 2, 7-VI-2003 1, 14B-V-2005 2, 2B-V-2009 1, 16A-V-2009 2, 16B-V-2009 1 and 15B-V-2010 1.
 1375. *Cladara atroliturata* (Wlk.) (7639. *Cladara atroliturata* (Wlk.)) (The Scribbler) – 13-V-2000 1, 12-V-2001 2, 26-V-2001 4, 11-V-2002 1, 18-V-2002 2, 12-V-2003 4, 23-V-2003 2, 7-VI-2003 1, 13-V-2005 1, 14C-V-2005 1, 28B-V-2005 1 and 29-IV-2006 2.
 1376. *Lobophora nivigerata* Wlk. (7640. *Lobophora nivigerata* Wlk.) (Two-lined Aspen Looper) – 29-VI-2000 2 and 25-VI-2005 1.

Geometridae, Sterrhinae, Sterrhini

1379. *Idaea rotundopennata* (Pack.) (7125. *Idaea rotundopennata* (Pack.)) (Round-winged Wave) – 16-VI-2001 1, 14-VI-2003 1 and 18B-VII-2009 1.
 1380. *Cyclophora pendulinaria* (Gn.) (7139. *Cyclophora pendulinaria* (Gn.)) (Pearly-grey Wave or Sweetfern Geometer) – 29-VI-2000 2, 25-V-2001 1, 26-V-2001 1, 27-VI-2001 2, 11-VII-2001 2, 7-VI-2003 1, 28B-V-2005 1, 10B-VI-2005 1 and 12C-VI-2010 2.
 1383. *Scopula limboundata* (Haw.) (7159. *Scopula limboundata* (Haw.)) (Large Lace-border) – 1B-VIII-2009 1 and 1C-VIII-2009 1.
 1384. *Scopula ancellata* (Hulst) (7162. *Scopula ancellata* (Hulst)) (Pointed-winged Wave) – 1C-VIII-2009 1.
 1386. *Scopula junctaria* (Wlk.) (7164. *Scopula junctaria* (Wlk.)) (Simple Wave) – 17-VI-2000 1, 29-VI-2000 1, 6-VII-2000 1, 7-VII-2000 1, 15-VII-2000 1, 22-VII-2000 1, 28-VII-2000 1, 27-VI-2001 1, 11-VII-2001 2, 2-VIII-2001 1, 12-VII-2004 1, 10B-VI-2005 1, 1C-VII-2006 1, 10B-VII-2010 4 and 24B-VII-2010 1.
 1388. *Scopula frigidaria* Mösch. (7166. *Scopula frigidaria* Mösch.) (Frigid Wave) – 29-VI-2000 2, 27-VI-2001 3, 11-VII-2001 1, 4-VII-2003 1, 12-VII-2004 1 and 19B-VI-2006 1.
 1390. *Scopula inductata* Gn. (7169. *Scopula inductata* Gn.) (Soft-lined Wave) – 25A-VI-2005 1.

Geometridae, Geometrinae, Hemitheini

1401. *Mesothea incertata* (Wlk.) (7085. *Mesothea incertata* (Wlk.)) (Plain Emerald) – 3-VI-2000 2 and 25-V-2001 2.

Geometridae, Archiearinae

1402. *Archiearis infans* (Mösch.) (6256. *Archiearis infans* (Mösch.)) (The Infant) – 13-V-2003 1.

Geometridae, Ennomiinae, Cassymini

1405. *Nematocampa resistaria* (H.-S.) (7009. *Nematocampa resistaria* (H.-S.)) (Horned Spanworm Moth) – 5-VIII-2000 1, 18-VIII-2000 2, 2-VIII-2000 1, 14-VIII-2001 1, 6-VIII-2005 1, 20A-VIII-2005 3 and 21A-VII-2007 1.

Geometridae, Ennomiinae, Cassymini

1406. *Protitame virginalis* (Hulst) (6270. *Protitame virginalis* (Hulst)) (Virgin Moth) – 4-VI-2000 1, 17-VI-2000 1, 11-VI-2001 2, 7-VI-2003 4, 14-VI-2003 1, 28B-V-2005 1, 15-VI-2007 1, 21A-VII-2007 1 and 12C-VI-2010 3.

Geometridae, Ennomiinae, Macariini

1409. *Speranza brunneata* (Thunb.) (6286. *Itame brunneata* (Thunb.)) (Striped Ochre) – 21-VII-2003 1, 12-VII-2004 2, 29-VII-2004 1, 20-VII-2008 1, 1C-VIII-2009 1 and 16-VII-2011 1.

1410. *Speranza amboflava* (Ferg.) (6283. *Itame sulphurea* (Pack.)) (Spotted Sulphur) – 22-VII-2003 1 and 20-VII-2008 1.

1412. *Speranza exauspicata* (Wlk.) (6292. *Itame exauspicata* (Wlk.)) (Speckled Granite) – 3-VIII-2002 1 and 6-VIII-2005 1.

1416. *Speranza occiduaria* (Pack.) (6279. *Itame occiduaria* (Pack.)) (Western Sulphur) – 2B-VII-2005 3.

1421. *Speranza loricaria* (Hulst) (6290. *Itame loricaria* (Evers.)) (False Bruce Spanworm) – 15-VII-2000 1, 22-VII-2000 1, 29-VII-2000 1, 6-VIII-2000 1, 11-VII-2001 6, 18-VII-2001 1, 12-VII-2004 3, 29-VII-2004 1, 25A-VI-2005 1, 1C-VII-2006 1, 13-VII-2008 1, 1C-VIII-2009 1, 10B-VII-2010 1 and 16-VII-2011 1.

1424. *Macaria notata* (L.) (6330. *Semiothisa ulsterata* (Pears.)) – 15-VI-2007 1.

1425. *Macaria aemulataria* (Wlk.) (6326. *Semiothisa aemulataria* (Wlk.)) (Common Angle) – 17-VI-2000 1, 29-VI-2000 1, 27-VI-2001 1, 7-VI-2003 1, 10-VI-2004 2, 10B-VI-2005 1, 25A-VI-2005 2 and 3A-VI-2006 1.

1429. *Macaria signaria* (Hbn.) (6344. *Semiothisa signaria* (Hbn. and 6346a. *Semiothisa unipunctaria perplexa* (McD.)) (Pale-marked Angle) – 3-VI-2000 1, 4-VI-2000 2, 23-VI-2000 1, 29-VI-2000 2, 6-VII-2000 1, 22-VII-2000 1, 25-V-2001 1, 16-VI-2001 1, 27-VI-2001 2, 7-VI-2003 1, 4-VII-2003 1, 10-VI-2004 5, 28B-V-2005 2, 10A-VI-2005 1, 10B-VI-2005 1, 3B-VI-2006 1 and 31A-V-2008 1.

1436. *Digrammia rippertaria* (Dup.) (6394. *Semiothisa hebetata* (Hulst)) – 25-V-2001 1 and 14-VI-2001 1.

Geometridae, Ennomiinae, Boarmiini

1444. *Orthofidonia exornata* (Wlk.) (6428. *Orthofidonia exornata* (Wlk.)) – 30-IV-2000 1, 12-V-2001 2, 8-VI-2002 1, 23-V-2003 1, 14C-V-2005 1, 16B-V-2009 2 and 15C-V-2010 1.

1450. *Aethalura intertexta* (Wlk.) (6570. *Aethalura intertexta* (Wlk.)) (Smoky Carpet) – 4-VI-2000 1, 12-V-2001 3, 26-V-2001 1, 8-VI-2002 1, 12-V-2003 1, 23-V-2003 2, 7-VI-2003 2, 23-IV-2005 2, 14C-V-2005 2, 28B-V-2005 1, 6-V-2006 1, 16A-V-2009 1, 16B-V-2009 1 and 21-V-2011 1.

1453. *Iridopsis larvaria* (Gn.) (6588. *Iridopsis larvaria* (Gn.)) (Red-tinged Carpet or Bent-line Gray) – 17-VI-2000 1, 6-VII-2000 2, 27-VI-2001 9, 15-VI-2002 1, 28B-V-2005 1, 25A-VI-2005 1, 19B-VI-2006 1 and 10B-VII-2010 1.

1455. *Ectropis crepuscularia* (D. & S.) (6597. *Ectropis crepuscularia* (D. & S.)) (The Small Engrailed) – 20-V-2000 1, 12-V-2001 8, 25-V-2001 3, 27-VI-2001 1, 8-VI-2002 4, 12-V-2003 3, 23-V-2003 1, 7-VI-2003 3, 14-VI-2003 1, 23-IV-2005 2, 14C-V-2005 1, 21-V-2005 1, 28B-V-2005 2, 29-IV-2006 2, 16A-V-2009 1, 16B-V-2009 1, 15B-V-2010 1, 15C-V-2010 2, 21-V-2011 2 and 16-VII-2011 1.

1456. *Protoarmia porcelaria* (Gn.) (6598. *Protoarmia porcelaria* (Gn.)) (Speckled Carpet) – 6-VII-2000 2, 15-VII-2000 5, 27-VI-2001 1, 14-VI-2003 1 and 31A-V-2008 1.

Geometridae, Ennomiinae, Melanolophiini

1459. *Eufidonia discospilata* (Wlk.) (6639. *Eufidonia discospilata* (Wlk.)) (Sharp-lined Powder Moth) – 30VI-2000 1 and 14-VI-2003 1.

Geometridae, Ennomiinae, Bistonini

1460. *Biston betularia* (L.) (6640. *Biston betularia* (L.)) (Salt-and-pepper Moth) – 23-VI-2000 1, 22-VII-2000 1, 27-VI-2001 1, 11-VII-2001 1, 18-VII-2001 1, 15-VI-2002 1, 29-VI-2002 SR, 13-VII-2002 SR, 25A-VI-2005 1, 3A-VI-2006 1, 19B-VI-2006 1, 20-VII-2008 1 and 12C-VI-2010 1.
1461. *Lycia ursaria* (Wlk.) (6651. *Lycia ursaria* (Wlk.)) (The Bear or Stout Spanworm Moth) – 22-IV-2000 2, 5-V-2000 3, 12-V-2001 2, 2C-V-2009 1 and 16B-V-2009 1.
1464. *Hypagyrtis piniata* (Pack.) (6656. *Hypagyrtis piniata* (Pack.)) – 10B-VII-2010 1.
1467. *Erannis tiliaria* (Harr.) (6665. *Erannis tiliaria* (Harr.)) (Linden Looper Moth) – 24-IX-2000 1, 2-X-2001 1, 28-IX-2002 1, 21-IX-2—3 4, 27-IX-2003 1, 22-IX-2004 1, 25-IX-2004 1, 4-X-2004 1, 24A-IX-2005 1, 30-IX-2005 1, 2-IX-2006 1, 24-IX-2006 3 and 12-X-2007 1.

Geometridae, Ennomiinae, Baptini

1468. *Lomographa semiclarata* (Wlk.) (6666. *Lomographa semiclarata* (Wlk.)) (Bluish Spring Moth) – 3-VI-2000 3, 4-VI-2000 1, 12-V-2001 1, 25-V-2001 3, 19A-V-2006 1, 16A-V-2009 1 and 21-V-2011 1.

Geometridae, Ennomiinae, Caberini

1472. *Cabera erythemaria* Gn. (6677. *Cabera erythemaria* Gn.) (Yellow-dusted Cream Moth) – 29-VI-2000 1, 15-VII-2000 2, 16-VI-2001 1, 27-VI-2001 2, 11-VII-2001 5, 15-IX-2001 1, 3-VIII-2002 1, 4-VII-2003 1, 10-VI-2004 2, 12-VII-2004 5, 10B-VI-2005 2, 25A-VI-2005 1, 6-VIII-2005 1, 3A-VI-2006 1, 20A-VI-2008 1, 13-VII-2008 1, 1C-VIII-2009 1, 12C-VI-2010 1 and 10B-VII-2010 3.
1473. *Cabera variolaria* (Gn.) (6678. *Cabera variolaria* Gn.) (Pale-striped Willow Spanworm) – 29-VI-2000 1, 27-VI-2001 3, 11-VII-2001 3, 18-VII-2001 4, 13-VII-2002 2, 4-VII-2003 1, 21-VII-2003 1, 12-VII-2004 3, 25A-VI-2005 1, 19A-V-2006 1, 3B-VI-2006 1, 20-VII-2008 1, 1C-VIII-2009 1, 24B-VII-2010 1, 31B-VII-2010 2 and 16-VII-2011 2.

Geometridae, Ennomiinae, Angeronini

1482. *Euchlaena obtusaria* (Hbn.) (6726. *Euchlaena obtusaria* (Hbn.)) (Obtuse Euchlaena) – 11-VII-2001 1, 1C-VII-2006 1 and 20-VII-2008 1.
1483. *Euchlaena johnsonaria* (Fitch) (6729. *Euchlaena johnsonaria* (Fitch)) (Johnson's Euchlaena) – 22-VII-2000 1, 18-VII-2001 1, 4-VII-2003 1, 12-VII-2004 1 and 20-VII-2008 1.
1485. *Euchlaena marginaria* (Minot) (6734. *Euchlaena marginaria* (Minot)) (Ochre Euchlaena) – 3-VI-2000 2, 4-VI-2000 3, 17-VI-2000 3, 15-VI-2002 2, 7-VI-2003 1, 14-VI-2003 1, 10-VI-2004 2, 15B-V-2010 1 and 12C-VI-2010 1.
1486. *Euchlaena tigrinaria* (Gn.) (6737. *Euchlaena tigrinaria* (Gn.)) (Mottled Euchlaena or Variable Thorn) – 22-VII-2000 1, 28-VII-2000 1, 11-VII-2001 1, 18-VII-2001 1, 4-VII-2003 1, 12-VII-2004 1, 25A-VI-2005 1, 6-VIII-2005 1, 1C0VII-2006 1, 13-VII-2008 1, 10B-VII-2010 1, 24B-VII-2010 1, 31B-VII-2010 1 and 16-VII-2011 1.
1487. *Xanthotype urticaria* Swett (6740. *Xanthotype urticaria* Swett) – 11-VII-2001 1, 27-VI-2001 3 and 13-VII-2008 1.
1488. *Xanthotype sospeta* (Drury) (6743. *Xanthotype sospeta* (Drury)) (Crocus Geometer) – 6-VII-2000 1, 29-VII-2000 1, 29-VI-2002 1, 13-VII-2002 1, 4-VII-2003 1, 12-VII-2004 1, 29-VII-2004 1, 19B-VI-2006 1 and 20-VII-2008 1.

Geometridae, Ennomiinae, Azelini

1490. *Pero morrisonaria* (Hy. Edw.) (6755. *Pero morrisonaria* (Hy. Edw.)) (Lesser Umber) – 4-VI-2000 1, 17-VI-2000 4, 25-V-2001 1, 27-VI-2001 3, 11-VII-2001 1, 15-VI-2002 1, 14C-V-2005 1, 10B-VI-2005 1, 19B-VI-2006 1, 15-VI-2006 1, 20A-VI-2008 1 and 12C-VI-2010 1.

Geometridae, Ennomiinae, Campaeini

1494. *Campaea perlata* (Gn.) (6796. *Campaea perlata* (Gn.)) (Pale Beauty or Fringed Looper Moth) – 22-VII-2000 4, 28-VII-2000 2, 29-VII-2000 1, 5-VIII-2000 1, 11-VII-2001 4, 2-VIII-2001 4, 14-VIII-2001 1, 25-VIII-2001 1, 13-VII-2002 SR, 3-VIII-2002 1, 12-VII-2004 1, 9-VIII-2004 1, 6-VIII-2005 1, 20A-VIII-2005 1, 1C-VII-2006 1, 17-VII-2006 1, 21A-VII-2007 1, 20-VII-2008 1, 1C-VIII-2009 1, 24B-VII-2010 1, 31B-VII-2010 1, 16-VII-2011 1 and 20C-VIII-2011 1.

Geometridae, Ennomiinae, Ennomini

1495. *Ennomos magnaria* Gn. (6797. *Ennomos magnaria* Gn.) (Maple Spanworm) – 4-IX-1999 1, 16-IX-2000 1, 28-IX-2000 1, 2-IX-2001 1, 8-IX-2001 2, 15-IX-2001 1, 26-VIII-2003 1, 2-IX-2003 1, 13-IX-2004 SR, 25-IX-2004 SR, 20A-VIII-2005 1, 3-IX-2005 1, 24A-IX-2005 1, 24B-IX-2005 1, 2-IX-2006 1, 24-IX-2006 1 and 3-IX-2011 2.

Geometridae, Ennomiinae, Anagogini

1501. *Selenia alciphearia* (Wlk.) (6817. *Selenia alciphearia* (Wlk.)) (Northern Selenia) – 26-V-2000 1, 5-V-2001 1, 12-V-2001 1, 14C-V-2005 1, 21-V-2005 2, 28B-V-2005 1, 6-V-2006 1, 31A-V-2008 1, 20A-VI-2008 1, 16B-V-2009 2, 7-V-2011 1 and 21-V-2011 1.
Selenia alciphearia or *kentaria* – 28B-V-2005 1.
1502. *Selenia kentaria* (G. & R.) (6818. *Selenia kentaria* (G. & R.)) (Kent's Geometer) – 26-V-2000 1, 12-V-2001 1, 25-V-2001 1, 26-V-2001 1, 8-VI-2002 2 and 15-VI-2002 1.
1503. *Metanema inatomaria* Gn. (6819. *Metanema inatomaria* Gn.) (Pale Metanema) – 17-VI-2000 1, 29-VI-2000 2, 14-VI-2001 1, 27-VI-2001 4, 11-VII-2001 1, 7-VI-2003 2, 14-VI-2003 1, 10B-VI-2005 1, 15-VI-2007 1, 20A-VI-2008 1, 12C-VI-2010 2, 24B-VII-2010 1, 31B-VII-2010 1 and 12-VI-2011 1.
1504. *Metanema determinata* Wlk. (6820. *Metanema determinata* Wlk.) (Dark Metanema) – 4-VI-2000 1, 29-VI-2000 2, 26-V-2001 1, 27-VI-2001 1, 7-VI-2003 1, 14-VI-2003 1, 10-VI-2004 1, 12-VII-2004 1, 28B-V-2005 3, 10B-VI-2005 1, 25A-VI-2005 1, 19B-VI-2006 1, 20A-VI-2008 1 and 13B-VI-2009 1.
1506. *Metarranthis duaria* (Gn.) (6822. *Metarranthis duaria* (Gn.)) (Ruddy Metarranthis) – 4-VI-2000 4, 17-VI-2000 3, 29-VI-2000 1, 25-V-2001 1, 16-VI-2001 1, 8-VI-2002 1, 15-VI-2002 1, 7-VI-2003 1, 14-VI-2003 1, 10-VI-2004 1, 28B-V-2005 1, 10B-VI-2005 1, 19A-V-2006 1, 19B-VI-2006 1, 15-VI-2007 1, 31A-V-2008 1, 20A-VI-2008 1, 13B-VI-2009 1, 15C-V-2010 1 and 12C-VI-2010 2.
1509. *Plagodis pulveraria* (L.) (6836. *Anagoga occiduaria* (Wlk.)) (American Barred Umber) – 17-VI-2000 2, 29-VI-2000 1, 26-V-2001 1, 11-VI-2001 1, 8-VI-2002 1, 15-VI-2002 1, 7-VI-2003 1, 14-VI-2003 2, 28B-V-2005 2, 10B-VI-2005 1, 28B-V-2005 2, 10B-VI-2005 1, 15-VI-2007 1, 31A-V-2008 1, 20A-VI-2008 1 and 13B-VI-2009 1.
1507. *Probole alienaria* (H.-S.) (6837. *Probole alienaria* (H.-S.)) – 4-VI-2000 1, 17-VI-2000 7, 22-VII-2000 1, 11-VI-2001 1, 16-VI-2001 1, 27-VI-2001 1, 26-V-2001 1, 16-V-2001 1, 27-VI-2001 1, 15-VI-2002 1, 7-VI-2003 2, 14-VI-2003 1, 4-VII-2003 1, 10-VI-2004 2, 14C-V-2005 1, 28B-V-2005 4, 10B-VI-

- 2005 1, 25A-VI-2005 1, 19B-VI-2006 1, 15-VI-2007 1, 31A-V-2008 1, 20A-VI-2008 2, 13B-VI-2009 1, 15C-V-2010 1 and 12C-VI-2010 2.
1508. *Probole amicaria* (H.-S.) (6838. *Probole amicaria* (H.-S.)) (Friendly Probole) – 28-VII-2000 1, 8-VI-2002 2 and 31A-V-2008 1.
1510. *Plagodis phlogosaria* (Gn.) (6842. *Plagodis phlogosaria* (Gn.)) (Straight-lined Plagodis) – 4-VI-2000 2, 17-VI-2000 2, 12-V-2001 6, 25-V-2001 1, 8-VI-2002 1, 4-VII-2003 1, 14C-V-2005 1, 28B-V-2005 1, 10B-VI-2005 1, 19A-V-2006 1, 15C-V-2010 1 and 13-VI-2011 1.
1511. *Plagodis alcoolaria* (Gn.) (6844. *Plagodis alcoolaria* (Gn.)) (Hollow-spotted Plagodis) – 17-VI-2000 1, 25-V-2001 1, 27-VI-2001 2, 15-VI-2002 1, 3B-VI-2006 1, 19B-VI-2006 1 and 15-VI-2007 1.

Geometridae, Ennomiinae, Ourapterygini

1513. *Caripeta divisata* Wlk. (6863. *Caripeta divisata* Wlk.) (Gray Spruce Looper) – 29-VI-2000 3, 6-VII-2000 1, 21-VII-2000 1, 22-VII-2000 2, 27-VI-2001 2, 11-VII-2001 1, 12-VII-2004 1, 10B-VI-2005 1, 25A-VI-2005 1, 19B-VI-2006 1 and 1C-VII-2006 1.
1515. *Caripeta angustiorata* Wlk. (6867. *Caripeta angustiorata* Wlk.) – 20C-VIII-2011 1.
1517. *Besma quercivoraria* (Gn.) (6885. *Besma quercivoraria* (Gn.)) (Pale-lined Thorn or Oak Besma) – 15-VII-2000 1, 27-VI-2001 1, 15-VI-2002 1, 28B-V-2005 1 and 10B-VI-2005 1.
1522. *Sicya macularia* (Harr.) (6912. *Sicya macularia* (Harr.)) (Pink-bordered Yellow) – 6-VIII-2000 1, 2-VIII-2001 1, 13-VIII-2001 2, 6-VIII-2005 1, 20A-VIII-2005 1, 17-VII-2006 2, 21A-VII-2007 1 and 31B-VII-2010 1.
1524. *Synaxis jubararia* (Hulst) (6954. *Synaxis jubararia* (Hulst)) (October Thorn) – 13-IX-2002 1, 26-VIII-2003 1, 2-IX-2003 1, 21-IX-2003 2, 27-IX-2003 1, 13-IX-2004 2, 25-IX-2004 1, 24B-IX-2005 2 and 2-IX-2006 1.
1528. *Tetracis crocallata* Gn. (6963. *Tetracis crocallata* Gn.) (Yellow Slant-line) – 17-VI-2000 1, 7-VI-2003 2, 14-VI-2003 1, 28B-V-2005 1, 10B-VI-2005 1 and 19B-VI-2006 1.
1531. *Prochoerhodes lineola* (Göze) (6982. *Prochoerhodes transversata* (Drury)) (Large Maple Spanworm) – 17-VIII-2000 1, 16-IX-2000 5, 17-IX-2000 3, 14-VIII-2001 1, 16-VIII-2003 1, 21-VIII-2004 1, 6-VIII-2005 1, 20A-VIII-2005 2, 5B-IX-2009 1 and 25B-IX-2009 1.

LASIOCAMPIDAE – Lappet Moths

Lasiocampidae, Lasiocampinae, Gastropachini

1536. *Phyllodesma americana* (Harr.) (7687. *Phyllodesma americana* (Harr.)) (Lappet Moth) – 5-V-2000 2, 20-V-2000 1, 3-VI-2000 1, 17-VI-2000 1, 17-IV-2001 1, 12-V-2001 5, 24-V-2001 1, 26-V-2001 1, 16-VI-2001 1, 27-VI-2001 1, 8-VI-2002 lots, 15-VI-2002 1, 29-VI-2002 SR, 12-V-2003 1, 23-V-2003 1, 7-VI-2003 SR, 14-VI-2003 1, 23-IV-2005 1, 14COV-2005 1, 28B-V-2005 1, 10B-VI-2005 1, 12B-V-2007 1, 15-VI-2007 1, 31A-V-2008 1, 20A-VI-2008 1, 2C-V-2009 1, 16A-V-2009 1, 16B-V-2009 1, 13B-VI-2009 1, 15C-V-2010 1, 12C-VI-2010 1 and 21-V-2011 1.

Lasiocampidae, Lasiocampinae, Lasiocampini

1537. *Malacosoma disstria* Hbn. (7698. *Malacosoma disstria* Hbn.) (Forest Tent Caterpillar) – 22-VII-2000 1, 28-VII-2000 3, 5-VIII-2000 1, 18-VIII-2000 1, 11-VII-2001 1, 2-VIII-2001 3, 13-VII-2002 lots, 12-VII-2004 1, 1C-VII-2006 1, 21A-VII-2007 2, 13-VII-2008 1, 20-VII-2008 1 and 1C-VIII-2009 1.

SATURNIDAE – Silkworm Moths

Saturniidae, Saturniinae, Saturniini

1542. *Antheraea polyphemus* (Cram.) (7757. *Antheraea polyphemus* (Cram.)) (Polyphemus Moth) – 17-VI-2000 1, 28-VII-2000 1, 3A-VI-2006 1, 3B-VI-2006 1 and 20A-VI-2008 2.

Saturniidae, Saturniinae, Attacini

1544. *Hyalophora gloveri* (Stkr.) (7769. *Hyalophora gloveri* (Stkr.)) (Glover's Silk-moth) – 29D-V-2009 2.

SPHINGIDAE – Sphinx or Hawk Moths**Sphingidae, Sphinginae, Sphingini**

1549. *Sphinx poecila* Steph. (7810. *Sphinx poecila* Stephens) (Poecila Sphinx) – 3A-VI-2006 1 and 3B-VI-2006 1.

Sphingidae, Smerinthinae, Smerinthini

1553. *Smerinthus jamaicensis* (Drury) (7821. *Smerinthus jamaicensis* (Drury)) (Twin-spotted Sphinx) – 17-VI-2000 1, 28-VII-2000 1, 17-IX-2000 1, 18-VII-2001 1, 8-VI-2002 SR, 15-VI-2002 SR, 29-VI-2002 lots, 13-VII-2002 SR, 10-VI-2004 SR, 12-VII-2004 SR, 28C-V-2005 SR, 20A-VI-2008 1 and 20-VII-2008 1.

1554. *Smerinthus cerisyi* Kby. (7822. *Smerinthus cerisyi* Kby.) (One-eyed Sphinx) – 3-VI-2000 4, 17-VI-2000 1, 8-VI-2002 lots, 15-VI-2002 lots, 29-VI-2002 lots, 13-VII-2002 lots, 7-VI-2003 lots, 4-VII-2003 lots, 10-VI-2004 SR, 12-VII-2004 lots, 14C-V-2005 1, 28C-V-2005 lots, 31A-V-2008 1, 20A-VI-2008 1, 16B-V-2009 1, 15C-V-2010 1, 10B-VII-2010 1 and 21-V-2011 1.

Sphingidae, Macroglossinae, Dilophonotini

1562. *Hemaris diffinis* (Bdv.) (7855. *Hemaris diffinis* (Bdv.)) (Snowberry Clearwing) – 22-V-2011 1.

Sphingidae, Macroglossinae, Macroglossini

1570. *Hyles gallii* (Rott.) (7893. *Hyles gallii* (Rottemburg)) (Galum Sphinx or Bedstraw Hawkmoth) – 4-VII-2003 1, 18-VII-2003 1, 10B-VI-2005 1 and 20-VII-2008 1.

NOTODONTIDAE – Prominent Moths**Notodontidae, Pygaerinae**

1572. *Clostera albosigma* (Fitch) (7895. *Clostera albosigma* (Fitch)) (Sigmoid Prominent) – 3-VI-2000 1, 4-VI-2000 2, 17-VI-2000 3, 29-VI-2000 1, 15-VII-2000 1, 5-VIII-2000 1, 12-V-2001 4, 26-V-2001 1, 11-VI-2001 3, 16-VI-2001 2, 27-VI-2001 2, 11-VII-2001 1, 18-VII-2001 1, 14-VIII-2001 1, 8-VI-2002 SR, 15-VI-2002 1, 29-VI-2002 lots, 7-VI-2003 SR, 14-VI-2003 1, 12-VII-2004 1, 14C-V-2005 1, 25A-V-2005 1, 28B-V-2005 1, 12B-V-2007 1, 15-VI-2007 1, 21A-VII-2007 1, 31A-V-2008 1, 13B-VI-2009 1, 15C-V-2010 1, 12C-VI-2010 1, 10B-VII-2010 1, 21-V-2011 1, 12-VI-2011 1 and 16-VII-2011 1.

1574. *Clostera brucei* (Hy. Edw.) (7900. *Clostera brucei* (Hy. Edw.)) (Bruce's Chocolate-tip) – 17-VI-2000 1, 26-V-2001 2, 11-VI-2001 1, 16-VI-2001 3, 27-VI-2001 2, 8-VI-2002 1, 15-VI-2002 1, 29-VI-2002 SR, 14-VI-2003 1, 10B-VI-2005 1, 19A-V-2006 1, 31A-V-2008 1, 13B-VI-2009 1 and 12C-VI-2010 1.
1575. *Clostera apicalis* (Wlk.) (7901. *Clostera apicalis* (Wlk.)) (Common Chocolate-tip or Red-marked Tentmaker Moth) – 4-VI-2000 2, 17-VI-2000 1, 12-V-2001 6, 17-V-2001 1, 11-VI-2001 1, 2-VIII-2001 1, 7-VI-2003 1, 14C-V-2005 1, 21-V-2005 1, 28B-V-2005 1, 15-VI-2007 1, 16B-V-2009 1 and 15C-V-2010 1.

Notodontidae, Notodontinae, Notodontini

1576. *Pheosia rimosa* Pack. (7922. *Pheosia rimosa* Pack.) (Black-rimmed Prominent) – 17-VI-2000 1, 29-VI-2000 2, 15-VII-2000 1, 22-VII-2000 1, 27-VI-2001 1, 18-VII-2001 1, 8-VI-2002 1, 15-VI-2002 1, 29-VI-2002 SR, 13-VII-2002 SR, 7-VI-2003 1, 4-VII-2003 1, 10-VI-2004 1, 12-VII-2004 lots, 21-V-2005 1, 10B-VI-2005 1, 25A-VI-2005 1, 19A-V-2006 1, 19B-VI-2006 1, 15-VI-2007 1, 31A-V-2008 1, 20A-VI-2008 1, 20-VII-2008 1, 12C-VI-2010 1 and 16-VII-2011 1.
1577. *Odontosia elegans* (Stkr.) (7924. *Odontosia elegans* (Stkr.)) (Elegant Prominent) – 5-VIII-2000 1, 15-VI-2002 1, 20-VII-2008 1 and 10B-VII-2010 1.
1578. *Notodonta scitipennis* Wlk. (7926. *Notodonta scitipennis* Wlk.) (Base-streaked Prominent) – 15-VI-2002 2, 29-VI-2002 1 and 3B-VI-2006 1.
1579. *Notodonta torva* Hbn. (7928. *Notodonta simplaria* Graef) (Simple Prominent) – 6-VII-2000 1, 27-VI-2001 2, 15-VI-2002 1, 14-VI-2003 1, 14C-VI-2005 1, 3B-VI-2006 1, 15-VI-2007 1, 13B-VI-2009 1, 12C-VI-2010 1 and 21-V-2011 1.

Notodontidae, Notodontinae, Dicranurini

1580. *Gluphisia septentrionis* Wlk. (7931. *Gluphisia septentrionis* Wlk.) (Small Pebble or Common Gluphisia) – 27-V-2000 1, 3-VI-2000 1, 4-VI-2000 4, 11-VI-2000 1, 17-VI-2000 3, 29-VII-2000 1, 17-VIII-2000 1, 26-V-2001 1, 16-VI-2001 2, 27-VI-2001 4, 11-VII-2001 3, 8-VI-2002 1, 15-VI-2002 1, 29-VI-2002 SR, 10-VI-2004 1, 12-VII-2004 lots, 14C-V-2005 1, 21-V-2005 1, 28B-V-2005 1, 10B-VI-2005 1, 25A-VI-2005 1, 20A-VIII-2005 1, 3B-VI-2006 1, 19B-VI-2006 1, 20A-VI-2008 1, 13-VII-2008 1, 12C-VI-2010 1, 10B-VII-2010 1, 31B-VII-2010 1, 21-V-2011 1, 12-VI-2011 1, 16-VII-2011 1 and 20C-VIII-2011 1.
1585. *Furcula occidentalis* (Lint.) (7939. *Furcula occidentalis* (Lint.)) (Willow Kitten) – 19B-V-2009 1 and 12C-VI-2010 1.
1586. *Furcula scolopendrina* (Bdv.) (7940. *Furcula scolopendrina* (Bdv.)) (Poplar Kitten) – 17-VI-2000 1, 29-VI-2000 1, 14-VI-2003 1, 10A-VI-2005 1, 10B-VI-2005 2, 3A-VI-2006 1, 15-VI-2007 1, 20A-VI-2008 2, 13B-VI-2009 1, 12C-VI-2010 1 and 16-VII-2011 1.
1587. *Furcula modesta* (Huds.) (7941. *Furcula modesta* (Huds.)) (Modest Kitten) – 29-VI-2000 1, 12-V-2001 1 and 10B-VI-2005 1.

Notodontidae, Phalerinae

1589. *Nadata gibbosa* (J.E. Sm.) (7915. *Nadata gibbosa* (J.E. Smith)) (White-dotted Prominent) – 26-VI-2004 1.

Notodontidae, Heterocampinae

1591. *Schizura unicornis* (J.E. Sm.) (8007. *Schizura unicornis* (J.E. Smith)) (Variegated Prominent or Unicorn Caterpillar Moth) – 17-VI-2000 1, 6-VII-2000 2, 28-VII-2000 1, 29-VII-2000 1, 11-VII-2001

- 2, 15-VI-2002 1, 29-VI-2002 SR, 14-VI-2003 1, 21-VII-2003 1, 12-VII-2004 1, 10B-VI-2005 1 and 19B-VI-2006 1.
1592. *Schizura leptinoides* (Grt.) (8011. *Schizura leptinoides* (Grt.)) (Black-blotched Schizura) – 26-V-2001 1 and 20-VII-2008 1.
1593. *Oligocentria semirufescens* (Wlk.) (8012. *Oligocentria semirufescens* (Wlk.)) (Red-washed Prominent) – 12-VII-2004 3 and 21A-VII-2007 1.

EREBIDAE – Quadrifine Noctuids

Erebidae, Lymantriinae, Orgyiini

1600. *Dasychira vagans* (B. & McD.) (8294. *Dasychira vagans* (B. & McD.)) (Variable Tussock Moth) – 22-VII-2000 1, 5-VIII-2000 1, 11-VII-2001 2, 12-VII-2004 1, 13-VII-2008 1 and 24B-VII-2010 1.
1603. *Orgyia antiqua* (L.) (8308. *Orgyia antiqua* (L.)) – 17-IX-2000 1 and 9-IX-2001 1.

Erebidae, Arctiinae, Lithosiini

1608. *Clemensia albata* Pack. (8098. *Clemensia albata* Pack.) (Little White Lichen Moth) – 150VII-2000 1, 28-VII-2000 3, 29-VII-2000 2, 5-VIII-2000 1, 11-VII-2001 1, 4-VII-2003 1, 21-VII-2003 2, 25A-VII-2005 1, 20A-VIII-2005 1, 19B-VI-2006 1, 1C-VII-2006 1, 17-VII-2006 2, 21A-VII-2007 1, 13-VII-2008 2, 18A-VII-2009 1, 22B-VII-2009 1, 10B-VII-2010 2 and 31A-VII-2010 1.
1609. *Eilema bicolor* (Grt.) (8043. *Eilema bicolor* (Grt.)) (Bicolored Moth) – 22-VII-2000 2, 28-VII-2000 3, 29-VII-2000 1, 5-VIII-2000 1, 11-VII-2001 3, 13-VII-2002 SR, 17-VII-2003 1, 29-VII-2004 1, 9-VIII-2004 1, 6-VIII-2005 1, 1C-VII-2006 1, 21A-VII-2007 1, 20-VII-2008 1, 1C-VIII-2009 1, 31B-VII-2010 1 and 16B-VIII-2010 1.

Erebidae, Arctiinae, Arctiini

1613. *Virbia ferruginea* (Wlk.) (8123. *Holomelina ferruginea* (Wlk.)) (Rusty Holomelina) – 29-VI-2000 1, 15-VII-2000 1, 28-VII-2000 1, 29-VII-2000 1, 5-VIII-2000 1, 6-VIII-2000 1, 27-VI-2001 1, 11-VII-2001 1, 18-VII-2001 1, 13-VII-2002 SR, 12-VII-2004 2, 10A-VI-2005 1, 25A-VI-2005 1, 19B-VI-2006 1, 1C-VII-2006 1, 21A-VII-2007 1, 13-VII-2008 1, 20-VII-2008 1, 1C-VIII-2009 1, 10B-VII-2010 1, 31B-VII-2010 1 and 16-VII-2011 1.
1619. *Grammia virgo* (L.) (8197. *Grammia virgo* (L.)) (Virgin Tiger Moth) – 29-VI-2000 2, 6-VII-2000 2, 7-VII-2000 2, 15-VII-2000 1, 28-VII-2000 2, 6-VIII-2000 1, 27-VI-2001 1, 11-VII-2001 1, 18-VII-2001 1, 4-VII-2003 1, 12-VII-2004 1, 25A-VI-2005 1, 1C-VII-2006 1, 21A-VII-2007 1, 13-VII-2008 2, 20-VII-2008 2, 1C-VIII-2009 1, 10B-VII-2010 2, 24B-VII-2010 1 and 31B-VII-2010 1.
1620. *Grammia parthenice* (W. Kby.) (8196. *Grammia parthenice* (W. Kby.)) (Parthenice Tiger Moth) – 15-VII-2000 1, 22-VII-2000 3, 28-VII-2000 1, 29-VII-2000 2, 14-VIII-2001 1, 14-VIII-2002 1, 30A-VII-2005 1, 6-VIII-2005 1, 21A-VII-2007 1, 1C-VIII-2009 1, 10B-VII-2010 1, 24B-VII-2010 1 and 31B-VII-2010 1.
1621. *Grammia virguncula* (W. Kby.) (8175. *Grammia virguncula* (W. Kby.)) (Little Virgin Moth) – 13-VII-2001 1, 1C-VIII-2009 1 and 16-VII-2011 1.
1628. *Parasemia plantaginis* (L.) (8127. *Parasemia plantaginis* (L.)) (Black & White Tiger Moth) – 29-VI-2000 1.
1631. *Platarctia parthenos* (Harr.) (8162. *Platarctia parthenos* (Harr.)) (St. Lawrence Tiger Moth) – 4-VI-2000 1, 15-VI-2002 1, 29-VI-2002 lots, 13-VII-2002 lots, 10-VI-2004 lots, 12-VII-2004 lots, 3A-VI-2006 1, 19B-VI-2006 1, 20A-VI-2008 1, 13-VII-2008 1 and 10B-VII-2010 1.

1632. *Arctia caja* (L.) (8166. *Arctia caja* (L.)) (Great Tiger Moth) – 22-VII-2000 1, 29-VII-2000 1, 5-VIII-2000 2, 17-VIII-2000 1, 2-VIII-2001 1, 14-VIII-2001 1 and 20C-VIII-2011 1.
1633. *Phragmatobia fuliginosa* (L.) (8156. *Phragmatobia fuliginosa* (L.)) – 16B-V-2009 1.
1635. *Phragmatobia assimilans* Wlk. (8158. *Phragmatobia assimilans* Wlk.) (Large Ruby Tiger Moth) – 4-VI-2000 2, 24-VI-2000 1, 12-V-2001 2, 26-V-2001 1, 11-VI-2001 1, 8-VI-2002 2, 15-VI-2002 2, 23-V-2003 2, 7-VI-2003 SR, 14-VI-2003 1, 10-VI-2004 SR, 14C-V-2005 1, 31A-V-2008 1 and 15C-V-2010 1.
1640. *Spilosoma dubia* (Wlk.) (8136. *Spilosoma dubia* (Wlk.)) (Dubious Tiger Moth) – 29-VI-2000 1, 28B-V-2005 1, 10B-VI-2005 1, 19A-V-2006 1, 3A-VI-2006 1, 3B-VI-2006 1, 15-VI-2007 1, 16B-V-2009 1, 13B-VI-2009 1 and 12C-VI-2010 1.
1641. *Spilosoma virginica* (F.) (8137. *Spilosoma virginica* (F.)) (Virginian Tiger Moth, Red-marked Tentmaker or Yellow Woolly-bear Moth) – 26-VI-2004 1 and 20A-VI-2008 1.
1647. *Haploa lecontei* (Guér.-Méneville) (8111. *Haploa lecontei* (Guér.-Méneville)) (Leconte's Haploa) – 13-VII-2002 4.
1648. *Gnophaela vermiculata* (Grt.) (8037. *Gnophaela vermiculata* (Grt.)) (Green Lattice or Police Car Moth) – 15-VIII-1999 1, 2-VIII-2001 1, 2-VIII-2009 1 and 1-VIII-2009 1.
1649. *Lophocampa maculata* Harr. (8214. *Lophocampa maculata* Harr.) (Spotted Tiger Moth) – 3-VI-2000 1, 23-VI-2000 1, 29-VI-2000 1, 11-VI-2001 1, 27-VI-2001 2, 11-VII-2001 1, 15-VI-2001 1, 29-VI-2002 SR, 13-VII-2002 lots, 14-VI-2003 1, 10-VI-2004 1, 10B-VI-2005 1, 25A-VI-2005 1, 3A-VI-2006 1, 19B-VI-2006 1, 13-VII-2008 1 and 12C-VI-2010 1.



Phiddipus borealis spider and *Ctenucha virginica* caterpillar, 8 km NW of Winfield, 21 May 2011.

1652. *Ctenucha virginica* (Esp.) (8262. *Ctenucha virginica* (Esp.)) (Virginia Ctenucha) – 29-VI-2000 6, 28-VII-2000 1, 27-VI-2001 2, 29-VI-2002 SR, 13-VII-2002 SR, 4-VII-2003 1, 10A-VI-2005 1, 25A-VI-2005 2, 19B-VI-2006 1, 1C-VII-2006 1, 13-VII-2008 1, 20-VII-2008 1, 1C-VIII-2009 1 and 10B-VII-2010 1.
1653. *Cisseps fulvicollis* (Hbn.) (8267. *Cisseps fulvicollis* (Hbn.)) (Yellow-collared Scape Moth) – 24B-VII-2010 1.

Erebidae, Herminiinae

1654. *Idia americalis* (Gn.) (8322. *Idia americalis* (Gn.)) (American Snout Moth) – 6-VII-2000 1, 22-VII-2000 1, 28-VII-2000 1, 29-VII-2000 1, 5-VIII-2000 1, 17-VIII-2000 1, 27-VI-2001 5, 11-VII-2001 1, 18-VII-2001 1, 2-VIII-2001 1, 12-VII-2004 1, 25A-VI-2005 1, 6-VIII-2005 1, 19B-VI-2006 1, 21A-VII-2007 1, 13-VII-2008 1, 5B-IX-2009 1, 10B-VII-2010 1 and 31B-VII-2010 1.
1656. *Idia* sp. nr. *aemula* (8323.1. *Idia* sp. nr. *aemula*) – 5-VIII-2000 2, 11-VII-2001 4, 1B-VII-2006 1, 20-VII-2008 1, 1B-VIII-2009 1 and 24B-VII-2010 2.
1660. *Phalaenophana pyramusalis* (Wlk.) (8338. *Phalaenophana pyramusalis* (Wlk.)) (Dark-banded Owlet) – 17-VI-2000 6, 24-VI-2000 1, 29-VI-2000 1, 27-VI-2001 1, 15-VI-2002 2, 7-VI-2003 4, 14-VI-2003 4, 10-VI-2004 1, 10B-VI-2005 2, 25A-VI-2005 2, 3B-VI-2005 1 and 10B-VII-2010 1.
1662. *Zanclognatha latalba* (Sm.) (8354. *Zanclognatha latalba* (Sm.)) (The Canadian Zanclognatha) – 29-VI-2000 1, 22-VII-2000 1, 28-VII-2000 1, 29-VII-2000 1, 5-VIII-2000 1, 11-VII-2001 5, 18-VII-2001 2, 29-VII-2004 3, 21A-VII-2007 1, 13-VII-2008 1, 1C-VIII-2009 1, 10B-VII-2010 2, 24B-VII-2010 1 and 31B-VII-2010 2.
1663. *Chytolita petrealis* Grt. (8356. *Chytolita petrealis* Grt.) (Lesser Luteous Snout) – 17-VI-2000 2, 29-VI-2000 1, 6-VII-2000 1, 5-VIII-2000 1, 11-VI-2001 4, 16-VI-2001 1, 27-VI-2001 3, 15-VI-2002 1, 7-VI-2003 1, 14-VI-2003 5, 4-VII-2003 1, 10-VI-2004 1, 10B-VI-2005 1, 25A-VI-2005 1, 3B-VI-2006 1, 15-VI-2006 1, 21A-VII-2007 1, 20A-VI-2008 1, 12C-VI-2010 2, 10B-VII-2010 1 and 20C-VIII-2011 1.
1664. *Hormisa bivittata* (Grt.) (8359. *Macrochilo bivittata* (Grt.)) – 20-VII-2008 1.
1666. *Phalaenostola metonalis* Wlk. (8362. *Phalaenostola metonalis* (Wlk.)) (Pale Phalaenostola or Tufted Snout) – 15-VII-2000 1, 17-VIII-2000 1, 11-VII-2001 3, 18-VII-2001 2, 2-VIII-2001 2, 12-VII-2004 3, 17-VII-2003 1, 18-VII-2003 1, 29-VII-2004 2, 9-VIII-2004 1, 25A-VI-2005 1, 1C-VII-2006 1, 13-VII-2008 1, 10B-VII-2010 2 and 16-VII-2011 1.
1669. *Palthis angulalis* (Hbn.) (8397. *Palthis angulalis* (Hbn.)) (Angulated Snout Moth or Dark-spotted Palthis) – 3-VI-2000 1, 4-VI-2000 1, 17-VI-2000 3, 25-V-2001 1, 11-VI-2001 1, 28B-V-2005 1, 10B-VI-2005 2, 19A-VI-2006 1, 21A-VII-2007 1, 20-VII-2008 1 and 13B-VI-2009 1.

Erebidae, Rivulinae

1671. *Rivula propinqualis* Gn. (8404. *Rivula propinqualis* Gn.) (Yellow Snout Moth) – 29-VI-2000 1, 6-VII-2000 1, 15-VII-2000 1, 22-VII-2000 3, 28-VII-2000 1, 5-VIII-2000 3, 18-VIII-2000 1, 11-VII-2001 2, 18-VII-2001 2, 2-VIII-2001 3, 14-VIII-2001 1, 29-VII-2004 1, 17-VII-2006 1, 21A-VII-2007 1, 13-VII-2008 1, 20-VII-2008 1, 18B-VII-2009 1 and 18-VII/1-VIII-2009 1.

Erebidae, Hypeninae

1674. *Hypena deceptalis* (Wlk.) (8446. *Hypena deceptalis* (Wlk.)) – 29-VI-2000 1, 6-VII-2000 1 and 1C-VIII-2009 1.
1675. *Hypena atomaria* Sm. (8450. *Bomolocha atomaria* Sm.) (Pale-banded Snout) – 20-VII-2008 1.
1676. *Hypena edictalis* (Wlk.) (8452. *Bomolocha edictalis* (Wlk.)) (Large Bomolocha) – 28-VII-2000 1, 21-VII-2003 1, 6-VIII-2005 2, 20A-VIII-2005 2, 21A-VII-2007 2 and 22B-VIII-2009 1.
1677. *Hypena humuli* Harr. (8461. *Hypena humuli* Harr.) (Hop-vine Snout Moth) – 13-X-2004 1.
1679. *Hypena eductalis* Wlk. (8455. *Lomanaltes eductalis* (Wlk.)) (Lomanaltes Snout Moth) – 24-VI-2000 1, 5-VIII-2000 1, 29-VI-2002 1, 14-VI-2003 1, 10B-VI-2005 1, 25A-VI-2005 1 and 3B-VI-2006 1.

Erebidae, Hypenodinae

1681. *Hyphenodes fractilinea* (Sm.) (8421. *Hyphenodes fractilinea* (Sm.)) (Broken-line Hyphenodes) – 13-VII-2002 1, 4-VII-2003 1, 18-VII-2003 1 and 29-VII-2004 1.

Erebidae, Boletobiinae

1683. *Mycterophora inexplicata* (Wlk.) (8413. *Mycterophora inexplicata* (Wlk.)) (Pale-edged Snout Moth) – 24B-VII-2010 1.

Erebidae, Scoliopteryginae, Scoliopterygini

1680. *Scoliopteryx libatrix* (L.) (8555. *Scoliopteryx libatrix* (L.)) (The Herald) – 5-V-2000 1, 30-IX-2005 1, 24B-IX-2005 2, 19A-V-2006 1, 19B-VI-2006 1 and 31A-V-2008 1.

Erebidae, Erebinae, Euclidiini

1698. *Euclidea cuspeida* (Hbn.) (8731. *Euclidea cuspeida* (Hbn.)) (Pointed Grass Moth) – 4-VI-2000 3, 17-VI-2000 2, 25-V-2001 1, 7-VI-2003 1, 14-VI-2003 1, 14B-V-2005 1, 22-V-2005 2, 28A-V-2005 1, 19A-V-2006 1, 20-VII-2008 1 and 22-V-2011 1.

1700. *Caenurgina crassiuscula* (Haw.) (8738. *Caenurgina crassiuscula* (Haw.)) (Clover Looper Moth) – 3-VI-2000 3, 4-VI-2000 2, 17-VI-2000 1, 12-V-2001 2, 25-V-2001 2, 27-VI-2001 1, 2-VIII-2001 1, 8-VI-2002 2, 15-VI-2002 1, 7-VI-2003 4, 14-VI-2003 3, 14B-V-2005 1, 22-V-2005 2, 28A-V-2005 1, 19A-V-2006 1 and 13B-VI-2009 1.

Erebidae, Erebinae, Ophiusini

1703. *Zale minerea* (Gn.) (8697. *Zale minerea* (Gn.)) (Colorful Zale) – 7-VI-2003 1, 28B-V-2005 1, 13B-V-2009 1, 16A-V-2009 1 and 16B-V-2009 1.

Erebidae, Erebinae, Catocalini

1705. *Catocala relictata* Wlk. (8803. *Catocala relictata* Wlk.) (White Underwing) – 17-IX-2000 2, 14-VIII-2001 2, 2-IX-2001 1, 28-IX-2002 1, 16-VIII-2003 1, 25-VIII-2003 1, 26-VIII-2003 SR, 3-IX-2003 1, 27-IX-2003 SR, 21-VIII-2004 1, 13-IX-2004 1, 25-IX-2004 SR, 24B-IX-2005 1, 2-IX-2006 1, 15B-VIII-2010 1, 20C-VIII-2011 1 and 3-IX-2011 1.

1706. *Catocala unijuga* Wlk. (8805. *Catocala unijuga* Wlk.) (Once-married Underwing) – 26-VIII-2000 1, 4-IX-2000 1, 9-IX-2000 2, 14-VIII-2001 1, 2-IX-2003 1, 21-VIII-2004 1, 6-VIII-2005 1, 24B-IX-2005 1, 22B-VIII-2009 1, 25B-IX-2009 1, 15B-VIII-2010 1, 20C-VIII-2011 1 and 17-IX-2011 1.

1711. *Catocala briseis* Edw. (8817. *Catocala briseis* Edw.) (Ribbed or Briseis Underwing) – 14-VIII-2001 1, 2-IX-2001 1, 14-VIII-2002 1, 13-IX-2002 2, 28-IX-2002 1, 16-VIII-2003 1, 26-VIII-2003 2, 21-VIII-2004 2, 20A-VIII-2005 1, 5B-IX-2009 1, 25A-IX-2009 1, 25B-IX-2009 1, 20C-VIII-2011 1 and 3-IX-2011 1.

1713. *Catocala semirelictata* Grt. (8821. *Catocala semirelictata* Grt.) (Semirelict Underwing) – 9-VIII-2004 1, 21-VIII-2004 1, 6-VIII-2005 1, 13C-VIII-2006 1 and 2-IX-2006 1.

1719. *Catocala blandula* Hulst (8867. *Catocala blandula* Hulst) (Charming Underwing) – 13C-VIII-2006 1.

NOLIDAE – Nolid Moths

Nolidae, Nolinae

1721. *Nola cilicoides* (Grt.) (8990. *Nola cilicoides* (Grt.)) (Blurry-patched Nola) – 24B-VII-2010 1, 31B-VII-2010 1 and 15B-VIII-2010 1.

NOCTUIDAE – Noctuid Moths

Noctuidae, Chloephorinae, Sarrothripini

1722. *Nycteola frigidana* (Wlk.) (8975. *Nycteola frigidana* (Wlk.)) (Frigid Owlet or Willow Leaf-tier) – 12-V-2003 1, 7-VI-2003 2, 26-VIII-2003 1, 28B-V-2005 1, 6-VIII-2005 3, 16A-V-2009 1, 16B-V-2009 1, 22B-VIII-2009 1, 15B-VIII-2010 1 and 15C-VIII-2010 1.

1723. *Nycteola cinereana* N. & D. (8977. *Nycteola cinereana* N. & D.) (Grey Midget) – 26-VIII-2003 1.

Noctuidae, Risobinae

1724. *Baileya ophtalmica* (Gn.) (8970. *Baileya ophtalmica* (Gn.)) (Eyed Bailey) – 17-VI-2000 1, 25-V-2001 1, 14C-V-2005 1, 28B-V-2005 1, 20C-VI-2008 1 and 12-VI-2011 1.

Noctuidae, Plusiinae, Abrastolini

1725. *Abrastola urentis* Gn. (8881. *Abrastola urentis* Gn.) (Variegated Brindle) – 28-VII-2000 1.

Noctuidae, Plusiinae, Plusiini

1727. *Diachrysia aeroides* (Grt.) (8896. *Diachrysia aeroides* (Grt.)) (Dark-spotted Looper Moth) – 22-VII-2000 2, 28-VII-2000 3, 29-VII-2000 3, 5-VIII-2000 4, 6-VIII-2001 1, 18-VIII-2000 5, 11-VII-2001 4, 1C-VII-2006 1, 13-VII-2008 1, 20-VII-2008 1 and 31B-VII-2010 1.

1729. *Pseudeva purpurigera* (Wlk.) (8899. *Pseudeva purpurigera* (Wlk.)) (Straight-lined Looper Moth) – 5-VIII-2000 1, 17-VIII-2000 1, 16-VIII-2005 1, 20A-VIII-2005 1 and 21A-VII-2007 1.

1731. *Polychrisia esmeralda* Oberth. (8901. *Polychrisia moneta* (F.)) (Delphinium Cutworm Moth) – 5-VIII-2000 1, 21-VII-2003 1 and 6-VIII-2005 1.

1733. *Eosphoropteryx thyatyroides* (Gn.) (8905. *Eosphoropteryx thyatyroides* (Gn.)) (Pink-patched Looper Moth or Pink-patched Beauty) – 20A-VIII-2005 1.

1735. *Autographa rubidus* Ottol. (8909. *Autographa rubida* Ottol.) (Rubida Looper Moth) – 23-VI-2000 1, 27-VI-2000 1, 29-VI-2002 1, 10-VI-2004 1, 19B-VI-2006 1 and 12C-VI-2010 1.

1736. *Autographa sansoni* Dod (8910. *Autographa sansoni* Dod) (Sanson's Looper Moth) – 8-VI-2002 1.

1737. *Autographa bimaculata* (Steph.) (8911. *Autographa bimaculata* (Steph.)) (Two-spotted Looper Moth) – 28-VII-2000 2, 11-VII-2001 1, 2-VIII-2001 1, 3-VIII-2002 1, 17-VII-2003 1, 21-VII-2003 1, 6-VIII-2005 1, 17-VII-2006 1, 20-VII-2008 2, 1C-VIII-2009 1, 5B-IX-2009 1 and 15B-VIII-2010 1.

1738. *Autographa mappa* (G. & R.) (8912. *Autographa mappa* (G. & R.)) (Wavy Chestnut Y) – 29-VI-2000 1, 25A-VI-2005 1, 19B-VI-2006 1 and 13-VII-2008 1.

1739. *Autographa pseudogamma* (Grt.) (8913. *Autographa pseudogamma* (Grt.)) (Delicate Silver Y) – 6-VII-2000 1, 22-VII-2000 1, 28-VII-2000 1, 11-VII-2001 2, 13-VII-2002 1 and 17-VII-2003 1.

1740. *Autographa californica* (Speyer) (8914. *Autographa californica* (Speyer)) (Alfalfa Looper) – 2-IX-2001 1, 8-IX-2001 1, 25-VIII-2003 1, 1-IX-2003 1 and 20A-VIII-2005 2.

1744. *Autographa ampla* (Wlk.) (8923. *Autographa ampla* (Wlk.)) (Broken-banded Y or Large Looper Moth) – 22-VII-2000 1, 17-IX-2000 1, 11-VII-2001 2 and 20C-VIII-2011 1.

1745. *Anagrapha falcifera* (Kby.) (8924. *Anagrapha falcifera* (Kby.)) (Celery Looper) – 28-IX-2000 1, 7-VI-2003 1, 14-VI-2003 1, 16-VIII-2003 1, 25-VIII-2003 1, 10-VI-2004 1 and 31A-V-2008 1.

1755. *Syngrapha alias* (Ottol.) (8939. *Syngrapha alias* (Ottol.)) (Hooked Silver Y or Spruce Climbing Cutworm Moth) – 11-VII-2001 1, 21-VII-2003 1, 20-VII-2008 1 and 15B-VIII-2010 1.
1763. *Plusia putnami* Grt. (8950. *Plusia putnami* Grt.) (Putnam's Looper Moth) – 28-VII-2000 1, 27-VI-2001 2, 6-VIII-2005 1, 19B-VI-2006 1, 1C-VII-2006 1 and 20-VII-2008 1.
1765. *Plusia venusta* Wlk. (8953. *Plusia venusta* Wlk.) (White-streaked Looper Moth) – 22-VII-2000 1.

Noctuidae, Eustrotiinae

1767. *Protodeltote albidula* (Gn.) (9048. *Lithacodia albidula* (Gn.)) (Common Midget) – 4-VI-2000 1, 6-VII-2000 1, 15-VII-2000 2, 22-VII-2000 1, 16-VI-2001 1, 11-VII-2001 1, 18-VII-2001 1, 15-VI-2002 2, 7-VI-2003 2, 14-VI-2003 2, 10-VI-2004 3, 11-VI-2004 1, 12-VII-2004 1, 22-V-2005 1, 28A-V-2005 1, 28B-V-2005 1, 10B-VI-2005 1, 3A-VI-2006 2, 20A-VI-2008 1, 13-VII-2008 1, 13B-VI-2009 1, 12C-VI-2010 1 and 24B-VII-2010 1.

Noctuidae, Acontiinae, Acontiini

1773. *Tarache angustipennis* (Grt.) (9111. *Therasea angustipennis* (Grt.) and 9112. *Therasea flavicosta* (Sm.)) (Narrow-winged Midget) – 29C-V-2009 1.

Noctuidae, Pantheinae

1774. *Panthea acronyctoides* (Wlk.) (9177. *Panthea acronyctoides* (Wlk.)) (Black Zigzag) – 29-VI-2000 1, 27-VI-2001 2, 15-VI-2002 1, 28B-V-2005 2, 1B-VII-2006 1 and 20A-VI-2008 1.

Noctuidae, Dilobinae

1778. *Raphia frater* Grt.) (9193. *Raphia frater* Grt.) (The Brother) – 4-VI-2000 1, 12-V-2001 1, 25-V-2001 1, 26-V-2001 1, 27-VI-2001 2, 15-VI-2002 1, 13-VII-2002 SR and 13B-VI-2009 1.

Noctuidae, Acronictinae

1780. *Acronicta dactylina* Grt.) (9203. *Acronicta dactylina* Grt.) (American Dagger Moth) – 19B-VI-2006 1.
1783. *Acronicta vulpina* (Grt.) 9206. *Acronicta leporina vulpina* (Grt.) (Poplar Dagger Moth) – 29-VI-2000 3, 8-VII-2000 1, 27-VI-2001 2 and 4-VII-2003 1.
1784. *Acronicta innotata* Gn. (9207. *Acronicta innotata* Gn.) (Unmarked Dagger Moth) – 4-VI-2000 1, 17-VI-2000 1, 29-VI-2000 2, 6-VII-2000 1, 22-VII-2000 1, 28-VII-2000 1, 25-V-2001 1, 26-VI-2001 1, 27-VI-2001 2, 15-VI-2002 1, 20-VII-2008 1, 13B-VI-2009 1 and 12C-VI-2010 1.
1787. *Acronicta grisea* (Wlk.) (9212. *Acronicta grisea* (Wlk.)) (Gray Dagger Moth) – 4-VI-2000 1, 17-VI-2000 5, 23-VI-2000 1, 29-VI-2000 1, 25-V-2001 1, 26-V-2001 1, 27-VI-2001 3, 15-VI-2002 1, 7-VI-2003 2, 14-VI-2003 1, 4-VII-2003 1, 28B-V-2005 3, 10B-VI-2005 1, 25A-VI-2005 2, 19A-V-2006 3, 19B-VI-2006 1, 15-VI-2006 1, 31A-V-2008 1, 20A-VI-2008 1, 13B-VI-2009 1, 12C-VI-2010 1 and 24B-VII-2010 1.
1793. *Acronicta fragilis* (Gn.) (9241. *Acronicta fragilis* (Gn.)) (Fragile Dagger Moth) – 4-VI-2000 4, 17-VI-2000 1, 29-VI-2000 4, 26-VI-2001 1, 8-VI-2002 1, 10B-VI-2005 1, 19A-V-2006 1, 19B-VI-2006 1, 15-VI-2006 1, 20A-VI-2008 1, 20-VII-2008 1, 13V-VI-2009 1, 15C-V-2010 1, 12C-VI-2010 1 and 10B-VII-2010 1.

1794. *Acronicta impleta* Wlk. (9257. *Acronicta impleta* Wlk.) (Yellow-haired Dagger Moth) – 4-VI-2000 1, 25-V-2001 1, 26-V-2001 1, 16-VI-2001 1, 8-VI-2002 1, 15-VI-2002 1, 14C-V-2005 1, 25A-VI-2005 1, 19A-V-2006 1, 15-VI-2007 2, 13-VII-2008 1, 14-VI-2009 1, 15C-V-2010 1 and 12C-VI-2010 2.
1796. *Acronicta impressa* (Wlk. (9261. *Acronicta impressa* Wlk.) (Willow Dagger Moth) – 20-V-2000 3, 2-VI-2000 2, 4-VI-2000 3, 17-VI-2000 2, 20-VI-2000 3, 12-V-2001 2, 25-V-2001 1, 26-V-2001 1, 23-V-2003 1, 8-VI-2002 2, 7-VI-2003 1, 1-VII-2003 1, 14C-V-2005 1, 19A-V-2006 1, 17-VII-2006 1, 21A-VII-2007 1, 31A-V-2008 1, 20A-VI-2008 1, 16B-V-2009 1, 15B-V-2010 1, 15C-V-2010 1, 24B-VII-2010 1, 31B-VII-2010 1, 21-V-2011 1 and 12-VI-2011 1.
1798. *Acronicta oblinita* (J.E. Sm.) (9272. *Acronicta oblinita* (J.E. Smith)) (Smearred Dagger Moth) – 4-VI-2000 1, 15-VI-2007 1, 13B-VI-2009 1 and 12-VI-2011 1.
1802. *Harrisimemna trisignata* (Wlk.) (9286. *Harrisimemna trisignata* (Wlk.)) (Harris's Three-spot) – 27-VI-2001 2.

Noctuidae, Oncocnemidinae

1808. *Cucullia intermedia* Speyer (10194. *Cucullia intermedia* Speyer) (Intermediate Falconer or Goldenrod Cutworm Moth) – 6-VII-2000 1, 11-VII-2001 1, 21-V-2005 1, 28B-V-2005 1, 10B-VI-2005 1, 1C-VII-2006 1, 15-VI-2007 1 and 1C-VIII-2009 1.

Noctuidae, Amphipyridae, Amphipyridini

1816. *Amphipyra tragopogonis* (Cl.) (9639. *Amphipyra tragopogonis* (Cl.)) – 20C-VIII-2011 1.

Noctuidae, Amphipyridae, Psaphidini

1821. *Feralia comstocki* (Grt.) (10008. *Feralia comstocki* (Grt.)) (Comstock's Sallow) – 12-V-2001 5, 12-V-2003 3, 14C-V-2005 1, 29-IV-2006 1, 16A-V-2009 2, 16B-V-2009 1, 18A-IV-2010 1 and 15C-V-2010 1.

Noctuidae, Oncocnemidinae

1837. *Sympistis basistriga* (Grt.) (10059. *Homohadena basistriga* (Grt.)) (Brown-lined Sallow) – 8-VIII-2005 1.
1838. *Sympistis dinalda* (Sm.) (10065. *Homohadena infixa* (Wlk.)) (Broad-lined Sallow) – 14-VIII-2001 1 and 21A-VII-2007 1.

Noctuidae, Heliethinae

1873. *Pyrrhia exprimens* Wlk. (11064. *Pyrrhia exprimens* Wlk.) – 25A-VI-2005 1 and 13B-VI-2009 1.

Noctuidae, Noctuinae, Pseuostrotiini

1897. *Pseudostrotia carneola* (Gn.) (9053. *Pseudostrotia carneola* (Gn.)) (Pink-barred Lithacodia) – 17-VI-2000 1.

Noctuidae, Noctuinae, Caradrini

1905. *Caradrina montana* (Bremer) (9656. *Platyperigea montana* (Bremer)) (Civil Rustic) – 28-IX-2000 1 and 13-X-2004 1.

1906. *Proxenus miranda* (Grt.) (9647. *Proxenus miranda* (Grt.)) (Glistening Rustic) – 17A-VI-2006 1, 17B-VI-2006 1, 17C-VI-2006 1, 29C-VII-2006 1, 10B-VII-2010 1 and 16-VII-2011 1.

Noctuidae, Noctuinae, Phlogophorini

1909. *Euplexia benesimilis* McD. (9545. *Euplexia benesimilis* McD.) (American Angle Shades) – 25-V-2001 1 and 3B-VI-2006 1.

1910. *Phlogophora periculosa* Gn. (9547. *Phlogophora periculosa* Gn.) (Brown Angle or Great Angle Shades) – 29-VII-2000 1, 2-VIII-2000 3, 6-VIII-2005 1, 21A-VII-2007 1, 1C-VIII-2009 1, 31B-VII-2010 1 and 15B-VIII-2010 1.

Noctuidae, Noctuinae, Apameini

1912. *Apamea vultuosa* (Grt.) (9341. *Apamea vultuosa* (Grt.)) (Narrow-bordered or Airy Quaker) – 25A-VI-2005 3.

1915. *Apamea indocilis* (Wlk.) (9362. *Apamea indocilis* (Wlk.)) (Ignorant Apamea) – 4-IX-2000 1 and 17-VII-2003 1.

1918. *Apamea sordens* (Hufn.) (9364. *Apamea sordens* (Hufn.)) (Bordered Apamea) – 17-VI-2000 1, 14-VIII-2002 1, 13-IX-2002 1, 28B-V-2005 1, 25A-VI-2005 1 and 15-VI-2007 1.

1924. *Apamea commoda* (Wlk.) (9359. *Apamea commoda* (Wlk.)) (Southern Quaker) – 4-VII-2003 1, 25A-VI-2005 1, 1C-VII-2006 1, 1B-VII-2010 1, 24B-VII-2010 1 and 31B-VII-2010 1.

1927. *Apamea amputatrix* (Fitch) (9348. *Apamea amputatrix* (Fitch)) (Northern Quaker, Dusky Sallow, Yellow-headed Cutworm) – 18-VIII-2001 2, 18-VII-2002 1 and 24B-VII-2010 1.

1930. *Apamea scoparia* Mik., Must. & Laf.) (9365. *Agroperina lateritia* (Hufn.)) (Red-winged Quaker) – 2A-VII-2005 1 and 2B-VII-2005 1.

1931. *Apamea cogitata* (Sm.) (9367a. *Agroperina dubitans cogitata* (Sm.)) (Ruby Quaker) – 15-VII-2000 1, 22-VII-2000 2, 28-VII-2000 3, 5-VIII-2000 1, 6-VIII-2000 2, 18-VII-2001 2, 2-VIII-2001 2, 14-VIII-2001 2, 6-VIII-2005 1, 20-VII-2008 1, 22B-VIII-2009 1, 24B-VII-2010 1, 31B-VII-2010 1, 15B-VIII-2010 1, 16-VII-2011 1 and 20C-VIII-2011 1.

1932. *Apamea inficita* (Wlk.) (9369. *Apamea inficita* (Wlk.)) (Inficita Quaker) – 28-VII-2000 1, 6-VIII-2000 1, 18-VII-2001 1, 2-VIII-2001 1, 3-VIII-2002 1, 14-VIII-2002 1, 24B-VII-2010 1, 31B-VII-2010 1, 15B-VIII-2010 1 and 20C-VIII-2011 1.

1933. *Apamea devastator* (Brace) (9382. *Crymodes devastator* (Brace)) (Glassy Cutworm Moth or Destructive Quaker) – 5-VIII-2000 1, 18-VIII-2000 1, 26-VIII-2000 1, 3-VIII-2002 1 and 15B-VIII-2010 1.

1938. *Resapamea passer* (Gn.) (9391. *Luperina passer* (Gn.)) (Dock Rustic) – 6-VIII-2000 1, 2-VI-2000 1, 20-VII-2000 8, 10B-VII-2010 1 and 24B-VII-2010 1.

1939. *Eremobina claudens* (Wlk.) (9396. *Eremobina claudens* (Wlk.)) (Alberta Quaker) – 8-VIII-2000 1, 13-IX-2002 1 and 20A-VIII-2005 1.

1944. *Oligia mactata* (Gn.) (9419. *Oligia mactata* (Gn.)) (Prairie Quaker) – 9-IX-2000 2, 16-IX-2000 2, 17-IX-2000 2, 25-VIII-2001 1, 2-IX-2001 1, 8-IX-2001 1, 15-IX-2001 1, 16-VIII-2003 2, 25-VIII-2003 1, 20A-VIII-2005 3, 3-IX-2005 1, 13C-VIII-2006 1, 13B-VI-2009 1 and 3-IX-2011 1.

1945. *Oligia illocata* (Wlk.) (9420. *Oligia illocata* (Wlk.)) (Wandering Quaker) – 4-IX-1999 1, 17-IX-2000 2, 25-VIII-2001 4, 2-IX-2001 6, 8-IX-2001 3, 15-IX-2001 3, 13-IX-2002 1, 25-VIII-2003 1, 1-IX-2003 2, 2-IX-2003 2, 21-VIII-2004 2, 25-IX-2004 1, 3-IX-2005 1 and 2-IX-2006 1.

1946. *Neoligia subjuncta* (Sm.) (9412. *Oligia laevigata* (Sm.)) (Short-cloaked Quaker) – 18-VII-2001 2, 21-VII-2003 1, 9-VIII-2004 1, 24B-VII-2010 2 and 31B-VII-2010 1.

1950. *Photedes includens* (Wlk.) (9434. *Spartiniphaga includens* (Wlk.)) (Silver-C Borer) – 14-VIII-2001 1, 16-VIII-2003 1 and 20A-VIII-2005 1.
1954. *Hypocoena inquinata* (Gn.) (9437. *Chortodes inquinata* (Gn.)) (Sordid Wainscot) – 3-VIII-2002 3, 14-VIII-2002 1, 9-VIII-2004 1 and 1C-VIII-2009 1.
1955. *Hypocoena basistriga* (McD.) (9439. *Chortodes basistriga* (McD.)) (Base-streaked Wainscot) – 17-IX-2000 1, 25-VIII-2001 1, 16-VIII-2003 3 and 26-VIII-2003 1.
1957. "*Photedes*" *defecta* (Grt.) (9443. *Chortodes defecta* (Grt.)) (Narrow-winged Borer) – 17-VIII-2000 1, 21-VIII-2004 1, 5A-IX-2009 1, 5B-IX-2009 1, 25A-IX-2009 1 and 24B-VII-2010 1.
1959. *Capsula subflava* (Grt.) (9450. *Archanara subflava* (Grt.)) (Subflava Sidge Borer) – 17-IX-2000 1.
1960. *Helotropha reniformis* (Grt.) (9453. *Celaena reniformis* (Grt.)) (Kidney-spotted Rustic) – 2-IX-2003 1 and 13-X-2004 1.
1962. *Amphipoea americana* (Speyer) (9457. *Amphipoea americana* (Speyer)) (American Ear Moth) – 6-VIII-2005 5, 17-VIII-2000 3, 18-VIII-2000 1, 26-VIII-2000 1, 17-IX-2007 7, 14-VIII-2001 1, 16-VIII-2001 1, 6-VIII-2005 1 and 22B-VIII-2009 1.
1963. *Papaipema harrisii* (Grt.) (9472. *Papaipema harrisii* (Grt.)) (Cow Parsnip Borer Moth) – 18-VIII-2000 2, 16-IX-2000 3, 17-IX-2000 6, 25-VIII-2001 3, 1-IX-2001 1, 2-IX-2001 1, 8-IX-2001 2, 15-IX-2001 2, 28-IX-2002 1, 16-VIII-2003 1, 25-VIII-2003 1, 21-VIII-2004 1, 20A-VIII-2005 2, 24A-IX-2005 1, 24B-IX-2005 2, 29C-VII-2006 1, 2-IX-2006 1, 22B-VIII-2009 1, 5B-IX-2009 1, 15B-VIII-2010 1 and 20C-VIII-2011 1.

Noctuidae, Noctuinae, Arzamini

1971. *Bellura obliqua* (Wlk.) (9525. *Bellura obliqua* (Wlk.)) (Cattail Borer Moth) – 12C-VI-2010 1.

Noctuidae, Noctuinae, Xylenini

1972. *Hyppa contrasta* McD. (9579. *Hyppa contrasta* McD.) (Common Hyppa or Cranberry Cutworm Moth) – 11-VI-2001 1, 11-VII-2001 1, 12-VII-2004 1, 10B-VI-2005 1, 18C-VII-2009 1, 12C-VI-2010 1 and 10B-VII-2010 1.
1975. *Xylena nupera* (Lint.) (9873. *Xylena nupera* (Lint.)) (American Swordgrass) – 5-V-2000 2 and 17B-V-2008 1.
1976. *Xylena curvimacula* (Morr.) (9874. *Xylena curvimacula* (Morr.)) (Dot-and-Dash Swordgrass Moth) – 22-IV-2000 1, 5-V-2000 2, 8-IX-2000 1, 17-IX-2000 1, 6-IV-2001 3, 17-IV-2001 5, 12-V-2001 1, 15-IX-2001 1, 20-IV-2002 2, 18-V-2002 1, 13-IX-2002 1, 28-IX-2002 1, 21-IX-2003 2, 26-X-2003 1, 25-IX-2004 1, 4-X-2004 1, 13-X-2004 1, 14C-V-2005 1, 8-IV-2006 2, 12B-V-2007 1, 13C-IV-2008 1, 2C-V-2009 1, 16B-V-2009 1, 18B-IV-2010 1, 15C-V-2010 2, 7-V-2011 1, 17-IX-2011 1 and 28-X-2011 1.
1977. *Xylena thoracica* (Put.-Cram.) (9875. *Xylena thoracica* (Putnam-Cramer)) (Gray Swordgrass Moth) – 5-V-2000 1, 2-X-2001 1, 18-V-2002 1, 12-V-2003 2, 22-V-2004 1 and 16B-B-2009 1.
1978. *Xylena cineritia* (Grt.) (9876. *Xylena cineritia* (Grt.)) (Western Swordgrass Moth) – 22-IV-2000 1, 5-V-2000 1, 6-IV-2001 3, 17-IV-2001 2, 20-IV-2002 1, 11-V-2002 1, 12-V-2003 1, 25-IX-2004 1, 23-IV-2005 1, 14C-V-2005 1, 21-V-2005 1, 24B-IX-2005 1, 30-IX-2005 1, 8-IV-2006 2, 13C-IV-2008 3, 2C-V-2009 1, 18B-IV-2010 1, 15C-V-2010 1, 7-V-2011 2 and 21-V-2011 1.
1980. *Lithomoia germana* (Morr.) (9878. *Lithomoia germana* (Morr.)) (American Peasant) – 9-IX-2000 1, 25-VIII-2003 3, 8-IX-2001 1, 25-VIII-2003 3, 2-IX-2006 1, 4-IX-2010 2 and 3-IX-2011 1.
1981. *Homoglaea hircina* Morr. (9881. *Homoglaea hircina* Morr. (Goat Sallow)) – 8-IV-2000 1, 22-IV-2000 1, 6-IV-2001 1, 17-IV-2001 4, 20-IV-2002 2, 18-V-2002 1, 23-III-2004 1, 25-IX-2004 1, 4-X-2004 2, 13-X-2004 2, 8-IV-2006 2, 24-III-2007 4, 13B-IV-2008 1, 13C-IV-2008 2 and 2C-V-2009 1.

1983. *Litholomia napaea* (Morr.) (9884. *Litholomia napaea* (Morr.)) (Dark Gray Peasant) – 22-IV-2000 4, 5-V-2000 3, 9-IX-2000 1, 16-IX-2000 3, 17-IX-2000 2, 24-IX-2000 1, 17-X-2000 1, 12-V-2001 1, 8-IX-2001 3, 15-IX-2001 1, 11-VI-2002 1, 15-VI-2002 1, 13-IX-2002 2, 28-IX-2002 1, 19-X-2002 1, 2-IX-2003 1, 21-IX-2003 2, 13-IX-2004 1, 4-X-2004 1, 13-IX-2004 SR, 25-IX-2004 SR, 24A-IX-2005 1, 24B-IX-2005 1, 8-IV-2006 1, 12B-V-2007 1, 2B-V-2009 1, 2C-V-2009 1, 16B-V-2009 1, 5B-IX-2009 1, 18B-IV-2010 1, 15C-V-2010 1 and 7-V-2011 1.
1984. *Lithophane innominata* (Sm.) (9888. *Lithophane innominata* (Sm.)) (Nameless Pinion) – 11-V-2002 2, 12-V-2003 1, 24B-IX-2005 1, 29-IV-2006 1 and 13C-IV-2008 1.
1985. *Lithophane petulca* (Grt.) (9889. *Lithophane petulca* (Grt.)) – 17-VI-2001 1 and 8-IV-2006 1.
1986. *Lithophane amanda* (Sm.) (9891. *Lithophane amanda* (Sm.)) (Distant Pinion) – 24B-IX-2005 1.
1988. *Lithophane tepida* Grt. (9909. *Lithophane tepida* Grt.) (Dowdy Pinion) -12-V-2003 1.
1991. *Lithophane fagina* Morr. (9917. *Lithophane fagina* Morr.) (Beech Pinion) – 22-IV-2000 1, 5-V-2000 1, 16-IX-2000 1, 24-IX-2000 1, 17-IV-2001 1, 24A-IX-2005 2, 30-IX-2004 1, 12B-V-2007 1, 13C-IV-2008 2, 18B-IV-2010 1 and 15C-V-2010 1.
1992. *Lithophane pexata* Grt. (9922. *Lithophane pexata* Grt.) – 6-V-2006 1, 13C-IV-2008 2 and 18B-IV-2010 1.
1996. *Eupsilia tristigmata* (Grt.) (9935. *Eupsilia tristigmata* (Grt.)) (Three-spotted Sallow) – 17-IV-2000 1, 8-IX-2001 1, 8-IV-2006 1, 24-III-2007 2, 13C-IV-2008 4 and 22B-VIII-2009 1.
1997. *Eupsilia devia* (Grt.) (9939. *Eupsilia devia* (Grt.)) (Many-lined Sallow) – 12-V-2001 1, 23-III-2007 1 and 13C-IV-2008 1.
1999. *Eucirroedia pampina* (Gn.) (9952. *Eucirroedia pampina* (Gn.)) (Scalloped Sallow) – 17-IX-2000 1, 13-IX-2002 1, 21-VIII-2004 1, 2-IX-2006 1, 22B-VIII-2009 1, 5B-IX-2009 1, 15B-VIII-2010 1 and 20C-VIII-2011 1.
2001. *Sunira bicolorago* (Gn.) (9957. *Sunira bicolorago* (Gn.)) (Bicolored Sallow) – 24-IX-2000 1 and 28-IX-2000 1.
2002. *Sunira verberata* (Sm.) (9960. *Sunira verberata* (Sm.)) (Western Sallow) – 9-IX-2000 1, 25-VIII-2001 1, 2-IX-2001 1, 16-VIII-2003 1, 27-IX-2003 2 and 25B-IX-2009 1.
2003. *Anathix puta* (G. & R.) (9962. *Anathix puta* (G. & R.)) (Dusky or Puta Sallow) – 26-VIII-2000 2, 16-IX-2000 2, 14-VIII-2001 1, 25-VIII-2001 1, 16-VIII-2003 1, 25-VIII-2003 1, 1-IX-2003 1, 27-IX-2003 2, 9-VIII-2004 1, 25-IX-2004 SR, 13C-VIII-2006 1, 2-IX-2006 1, 22B-VIII-2009 1, 15B-VIII-2010 1 and 20C-VIII-2011 1.
2005. *Xanthia tatago* Laf. & Mik. (9965. *Xanthia togata* Esp.) (Pink-barred Sallow) – 26-VIII-2000 1, 8-IX-2000 2, 16-IX-2000 1, 17-IX-2000 2, 24-IX-2000 1, 28-IX-2000 1, 25-VIII-2001 1, 1-IX-2001 1, 3-IX-2001 1, 13-IX-2002 1, 25-VIII-2003 2, 2-IX-2003 1, 21-IX-2003 1, 12-VII-2004 lots, 25-IX-2004 1, 3-IX-2005 1, 2-IX-2006 1 and 5B-IX-2009 1.
2007. *Hillia iris* (Zett.) (9967. *Hillia iris* (Zett.)) (Iris Rover) – 9-IX-2000 1, 25-VIII-2001 1, 2-IX-2001 1, 3-IX-2001 1, 8-IX-2001 1, 15-IX-2001 2, 16-VIII-2003 1, 2-IX-2003 2, 21-VIII-2004 1, 20A-VIII-2005 1, 3-IX-2003 1 and 2-IX-2006 2.
2008. *Brachylomia populi* (Stkr.) (9993. *Brachylomia populi* (Stkr.)) (Cloaked Peasant) – 6-VIII-2000 1, 17-VIII-2000 1, 18-VIII-2000 6, 26-VIII-2000 4, 9-IX-2000 1, 16-IX-2000 1, 17-IX-2000 2, 14-VIII-2001 2, 25-VIII-2001 1, 2-IX-2001 1, 3-IX-2001 1, 16-VIII-2003 1, 25-VIII-2003 1, 21-VIII-2004 1, 6-VIII-2005 1, 24A-IX-2005 1, 13C-VIII-2006 1, 2-IX-2006 1, 22B-VIII-2009 1, 5B-IX-2009 1 and 15B-VIII-2010 1.
2009. *Brachylomia algens* (Grt.) (9998. *Brachylomia algens* (Grt.)) (Willow Peasant) – 26-VIII-2000 1, 4-IX-2000 1, 17-IX-2000 1, 13-IX-2002 1, 16-VIII-2003 2, 2-IX-2003 1, 24B-IX-2005 1, 13C-VIII-2006 1, 2-IX-2006 1 and 3-IX-2011 1.

2012. *Parastichtis suspecta* (Wlk.) (9431. *Parastichtis suspecta* (Wlk.)) (Mottled Quaker) – 3-VIII-2001 1, 21-VII-2003 1, 20A-VIII-2001 1, 21A-VII-2007 1, 22-VIII/5-IX-2009 1, 5B-IX-2009 1, 5-IX/25-IX-2009 1 and 15B-VIII-2010 1.
2019. *Enargia decolor* (Wlk.) (9549. *Enargia decolor* (Wlk.)) (Angle-striped Sallow) – 4-IX-1999 3, 17-VIII-2000 1, 24-IX-2000 1, 14-VIII-2001 1, 15-IX-2001 2, 13-IX-2002 1, 28-IX-2002 1, 16-VIII-2003 1, 25-VIII-2003 1, 1-IX-2003 1, 2-IX-2003 1, 27-IX-2003 1, 21-VIII-2004 1, 12-IX-2004 lots, 25-IX-2004 lots, 3-IX-2005 1, 24A-IX-2005 1, 24B-IX-2005 1, 2-IX-2006 1, 22B-VIII-2009 1, 5B-IX-2009 1, 15B-VIII-2010 2, 4-IX-2010 1 and 3-IX-2011 5.
2020. *Enargia infumata* (Grt.) (9550. *Enargia infumata* (Grt.)) (Lesser Angle-striped Sallow) – 2-VIII-2000 1, 6-VIII-2000 1, 17-VIII-2000 1, 14-VIII-2002 1, 21-VII-2003 1, 13-IX-2003 1, 29-VII-2004 2, 9-VIII-2004 2, 6-VIII-2005 1, 20A-VIII-2005 2, 13C-VIII-2006 1, 21A-VII-2007 1 and 20C-VIII-2011 1.
- 2020.1. *Enargia fausta* Schmidt (Not in Hodges) – 6-VIII-2005 1, 20A-VIII-2005 1 and 13C-VIII-2006 1. Described in Schmidt (2010) and reported as new for Alberta in Pohl et al 2011.
2021. *Ipimorpha pleonectusa* Grt.) (9555. *Ipimorpha pleonectusa* Grt.) (Even-lined Sallow) – 29-VII-2000 1, 5-VIII-2000 2, 17-VIII-2000 3, 18-VIII-2000 1, 25-VIII-2001 1, 15-IX-2001 1, 21-VIII-2004 1, 6-VIII-2005 1, 20A-VIII-2005 2, 13C-VIII-2006 1, 2-IX-2006 1, 15B-VIII-2010 1 and 20C-VIII-2011 1.
2030. *Platypolia anceps* (Steph.) (9976. *Platypolia anceps* (Steph.)) (Rugged Rover) – 16-IX-2000 11, 17-IX-2000 4, 24-IX-2000 2, 2-IX-2001 5, 8-IX-2001 5, 15-IX-2001 2, 13-IX-2002 1, 1-IX-2003 1, 21-IX-2003 1, 27-IX-2003 1, 13-IX-2004 1, 25-IX-2004 lots, 3-IX-2005 1, 24A-IX-2005 1, 2-IX-2006 1, 5B-IX-2009 1 and 25B-IX-2009 1.
2033. *Xylotype arcadia* B. & Benj. (9980. *Xylotype acadica* B. & Benj.) (Acadian Sallow) – 8-IX-2001 1 and 24A-IX-2005 1.
- Mniotype* sp. – 19B-VI-2006 1.
2035. *Mniotype ducta* (Grt.) (9987. *Mniotype ducta* (Grt.)) (Alberta Rover) – 25A-VI-2005 1.
2037. *Sutyna privata* (Wlk.) (9990. *Sutyna profunda* (Sm.)) (Profound Sallow) – 18-VIII-2000 2, 19-IX-2000 1, 25-VIII-2001 1, 2-IX-2001 1, 3-IX-2001 1, 8-IX-2001 1, 16-IX-2001 1, 2-IX-2003 2, 20A-VIII-2005 1, 3-IX-2005 1, 2-IX-2006 1, 20C-VIII-2011 2 and 3-IX-2011 2.
2038. *Ufeus satyricus* Grt. (11051. *Ufeus satyricus* Grt.) (Satyr Dart) – 22-IV-2000 1, 16-IX-2000 3, 17-IX-2000 3, 24-IX-2000 11, 28-IX-2000 2, 12-X-2000 2, 3-XI-2000 1, 15-IX-2001 1, 28-IX-2002 1, 19-X-2002 1, 21-IX-2003 1, 27-IX-2003 SR, 4-X-2004 1, 24A-IX-2005 2, 24-IX-2006 2, 12-X-2007 1, 13C-IV-2008 1, 2B-V-2009 1, 25B-IX-2009 1, 2-X-2009 1, 17-IX-2011 2 and 28-X-2011 1.

Noctuidae, Noctuinae, Orthosiini

2044. *Orthosia revicta* (Morr.) (10490. *Orthosia revicta* (Morr.)) (Subdued Quaker) – 5-V-2000 6, 17-IV-2001 3, 12-V-2001 6, 25-VI-2001 1, 26-V-2001 2, 12-V-2003 1, 23-V-2003 2, 7-VI-2003 1, 22-V-2004 2, 23-IV-2005 2, 14C-V-2005 1, 6-V-2006 1, 2C-V-2009 1, 16B-V-2009 1, 15C-V-2010 1 and 7-V-2011 3.
2045. *Orthosia segregata* (Sm.) (10493. *Orthosia segregata* (Sm.)) (Segregate Penman) – 20-V-2000 1, 4-VI-2000 1, 12-V-2000 1, 18-V-2002 2, 23-IV-2005 1, 14C-V-2005 1, 16B-V-2009 1, 15C-V-2010 1, 7-V-2011 1 and 21-V-2011 1. *Orthosia segregata* f. *negussa* Sm. – 22-IV-2000 1, 18-V-2002 1, 12-V-2003 2, 23-V-2003 1 and 21-V-2005 1.
2046. *Orthosia hibisci* (Gn.) (10495. *Orthosia hibisci* (Gn.)) (Variable Penman or Speckled Green Fruitworm Moth) – 22-IV-2000 1, 5-V-2000 2, 5-V-2001 1, 17-IV-2001 1, 12-V-2001 2, 26-V-2001 1, 11-V-2002 1, 12-V-2003 1, 23-IV-2005 1, 14C-V-2005 1, 8-IV-2006 2, 12B-V-2007 1. 13C-IV-2008 1, 2C-V-2009 1, 16A-V-2009 1, 16B-V-2009 1 and 7-V-2011 1.
2049. *Egira dolosa* (Grt.) (10513. *Egira dolosa* (Grt.)) (Grieving Woodling or Greater Black-letter Dart) – 5-V-2000 1, 12-V-2001 5, 18-V-2002 1, 12-V-2003 1, 25B-IX-2009 1 and 7-V-2011 1.

Noctuidae, Noctuinae, Tholerini

2053. *Nephelodes minians* Gn. (10524. *Nephelodes minians* Gn.) (Shaded Umber, Brown Cutworm Moth or Bronzed Cutworm Moth) – 29-VII-2000 2, 5-VIII-2000 5, 6-VIII-2000 3, 2-VIII-2001 4, 3-VIII-2002 1, 14-VIII-2002 1, 16-VIII-2003 1, 20A-VIII-2005 1, 20-VII-2008 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 31B-VII-2010 1, 15B-VIII-2010 1, 20C-VIII-2011 2 and 3-IX-2011 1.

Noctuidae, Noctuinae, Hadenini

2074. *Polia nimbosa* (Gn.) (10275. *Polia nimbosa* (Gn.)) (Stormy Arches) – 29-VI-2000 2, 6-VII-2000 1, 7-VII-2000 1, 27-VI-2001 3, 11-VII-2001 1, 4-VII-2003 2, 19B-VI-2006 1, 10B-VII-2010 1 and 16-VII-2011 1.
2075. *Polia imbrifera* (Gn.) (10276. *Polia imbrifera* (Gn.)) (Cloudy Arches) – 22-VI-2000 1, 28-VII-2000 1, 11-VII-2001 1, 12-VII-2004 1 and 25A-VI-2005 2.
2079. *Polia purpurissata* (Grt.) (10280. *Polia purpurissata* (Grt.)) (Purple Arches) – 22-VII-2000 1 and 3-VIII-2002 1.
2081. *Lacanobia nevadae* (Grt.) (10296. *Lacanobia nevadae* (Grt.)) (Nevada Arches) – 3B-VI-2006 1.
2082. *Lacanobia atlantica* (Grt.) (10297. *Lacanobia atlantica* (Grt.)) (Atlantic Arches) – 6-VII-2000 1, 21-VII-2003 1, 12-VII-2004 1 and 10B-VII-2010 1.
2083. *Lacanobia radix* (Wlk.) (10298. *Lacanobia radix* (Wlk.)) (Garden Arches) – 4-VI-2000 3, 17-VI-2000 4, 29-VI-2000 1, 25-V-2001 1, 26-V-2001 2, 11-VI-2001 1, 16-VI-2001 1, 27-VI-2001 1, 11-VII-2001 1, 8-VI-2002 1, 15-VI-2002 1, 29-VI-2002 1, 7-VI-2003 1, 10-VI-2004 1, 21-VI-2005 1, 28B-V-2005 2, 20B-VI-2005 2, 25A-VI-2005 2, 17A-VI-2006 1, 17C-VI-2006 1, 12C-VI-2010 1 and 12-VI-2011 1.
2085. *Melanchnra adjuncta* (Gn.) (10292. *Melanchnra adjuncta* (Gn.)) (Hitched Arches) – 15-VII-2000 1, 22-VII-2000 1, 27-VII-2000 1, 28-VII-2000 1, 11-VII-2001 1, 13-VII-2008 1 and 20-VII-2008 1.
2090. *Spiramater lutra* (Gn.) (10301. *Spiramater lutra* (Gn.)) (Darling Arches) – 27-VI-2001 1.
2101. *Hada sutrina* (Grt.) (10324. *Hecatera sutrina* (Grt.)) (The Cobbler) – 22-V-2001 1, 10B-VI-2005 1, 3B-VI-2006 1 and 15-VI-2007 1.
2102. *Mamestra configurata* (Wlk.) (10271. *Mamestra configurata* (Wlk.)) (Bertha Armyworm) – 25A-VI-2001 1.

Noctuidae, Noctuinae, Leucaniini

2114. *Mythimna oxygala* (Grt.) (10436. *Aletia oxygala* (Grt.)) (Lesser Wainscot) – 6-VII-2000 1, 28-VII-2000 2, 6-VIII-2000 2, 17-VIII-2000 4, 18-VIII-2000 1, 26-VIII-2000 1, 18-VII-2001 2, 2-VIII-2001 2, 14-VIII-2001 1, 3-VIII-2002 1, 14-VIII-2002 1, 9-VIII-2004 1, 21-VIII-2004 1, 6-VIII-2005 1, 20A-VIII-2005 1, 13C-VIII-2006 1, 21A-VII-2007 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 5B-IX-2009 1, 24B-VII-2010 1, 31B-VII-2010 1, 15B-VIII-2010 1 and 3-IX-2011 1.
2118. *Leucania multilinea* Wlk.) (10446. *Leucania multilinea* Wlk.) (Many-lined Wainscot) – 18-VII-2000 3, 11-VII-2001 1, 13-VII-2008 1 and 20-VII-2008 1.
2119. *Leucania commoides* Gn. (10447. *Leucania commoides* Gn.) (Comma Wainscot) – 29-VII-2000 1, 30A-VII-2005 1, 1C-VII-2006 1, 20-VII-2008 1 and 24B-VII-2010 1.
2120. *Leucania insueta* Gn. (10449. *Leucania insueta* Gn.) (Heterodox Wainscot) – 25A-VI-2005 1 and 13B-VI-2009 1.

Noctuidae, Noctuinae, Eriopygini

2142. *Lacinipolia meditata* (Grt.) (10368. *Lacinipolia meditata* (Grt.)) (The Thinker or Pink-backed Cutworm Moth) – 3-VIII-2002 1, 9-VIII-2004 1, 29A-VII-2006 1 and 31B-VII-2010 2.
2143. *Lacinipolia lustralis* (Grt.) (10370. *Lacinipolia lustralis* (Grt.)) (Lustrous Arches) – 20A-VI-2008 1, 10B-VII-2010 1 and 16-VII-2011 1.
2145. *Lacinipolia anguina* (Grt.) (10372. *Lacinipolia anguina* (Grt.)) (Snaky Arches) – 15-VI-2007 1.
2148. *Lacinipolia vicina* (Grt.) (10394. *Lacinipolia vicina* (Grt.)) (Small Gray Arches) – 23-VI-2000 1, 27-VI-2001 2 and 25A-VI-2005 1.
2150. *Lacinipolia renigera* (Steph.) (10397. *Lacinipolia renigera* (Steph.)) (Kidney-spotted Arches or Bristly Cutworm Moth) – 22-VII-2000 2, 28-VII-2000 3, 29-VII-2000 2, 6-VIII-2000 1, 17-VIII-2000 1, 18-VIII-2000 1, 11-VII-2001 2, 18-VII-2001 1, 3-VIII-2002 1, 21A-VII-2007 2, 13-VII-2008 1, 20-VII-2008 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 5B-IX-2009 1, 10B-VII-2010 1, 24B-VII-2010 1, 31B-VII-2010 1, 15B-VIII-2010 1 and 16-VII-2011 1.
2152. *Lacinipolia lorea* (Gn.) (10405. *Lacinipolia lorea* (Gn.)) (Bridled Arches) – 7-VII-2000 1, 15-VII-2000 1, 27-VI-2001 2, 11-VII-2001 3, 12-VII-2004 1, 10B-VI-2005 1, 25A-VI-2005 1, 19B-VI-2006 1, 15-VI-2007 1, 13-VII-2008 1, 20-VII-2008 1, 10B-VII-2010 1 and 16-VII-2011 1.
2153. *Lacinipolia olivacea* (Morr.) (10406. *Lacinipolia olivacea* (Morr.)) (Olive Arches) – 29-VII-2000 1, 6-VIII-2000 1, 18-VIII-2000 1, 26-VIII-2000 1, 16-IX-2000 1, 11-VII-2001 1, 2-VIII-2001 1, 21A-VII-2007 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 31B-VII-2010 1 and 15B-VIII-2010 1.
2162. *Protorthodes oviduca* (Gn.) (10563. *Protorthodes oviduca* (Gn.)) (Ruddy Quaker) – 26-V-2001 1, 8-VI-2002 1, 7-VI-2003 1, 14-VI-2003 1, 10-VI-2004 lots, 26B-V-2005 2, 15-VI-2007 1, 20A-VI-2008 1, 12C-VI-2010 1 and 12-VI-2011 3.
2168. “*Polia*” *detracta* (Wlk.) (10288. *Polia detracta* (Wlk.)) (Disparaged or Dingy Arches) – 25A-VI-2005 1.

Noctuidae, Noctuinae, Noctuini

2176. *Actebia balanitis* (Grt.) (10923. *Protexarnis squalida* (Grt.)) (Acorn or Bracketed Dart) – 17-VII-2003 1, 25-VIII-2003 1 and 21-VIII-2004 1.
2195. *Euxoa divergens* (Wlk.) (10702. *Euxoa divergens* (Wlk.)) (Divergent Dart) – 23-VI-2000 1, 11-VII-2001 2, 25A-VI-2005 1, 21A-VII-2007 1, 10B-VII-2010 1 and 16-VII-2011 1.
2204. *Euxoa tristicula* (Morr.) (10723. *Euxoa tristicula* (Morr.)) (Three-marked Dart or Early Cutworm Moth) – 13-VII-2002 1.
2212. *Euxoa intrita* (Morr.) (10749. *Euxoa intrita* (Morr.)) (Tippling Dart) – 17-VIII-2000 1 and 14-VIII-2001 1.
2215. *Euxoa declarata* (Wlk.) (10755. *Euxoa declarata* (Wlk.)) (Clear Dart) – 13-IX-2002 1.
2216. *Euxoa campestris* (Grt.) (10756. *Euxoa campestris* (Grt.)) (Flat Dart) – 14-VIII-2001 1, 14-VIII-2002 1, 2-IX-2002 2, 8-IX-2002 3, 24B-VII-2010 1, 15B-VIII-2010 2 and 20C-VIII-2011 1.
2220. *Euxoa tessellata* (Harr.) (10805. *Euxoa tessellata* (Harr.)) (Tessellate Dart or Striped Cutworm Moth) – 1C-VIII-2009 1.
2228. *Euxoa ochrogaster* (Gn.) (10801. *Euxoa ochrogaster* (Gn.)) (Red-backed Cutworm Moth) – 18-VIII-2000 1, 26-VIII-2000 1, 28-IX-2000 1, 2-VIII-2001 1 and 22B-VIII-2009 1.
2232. *Euxoa obeliscoides* (Gn.) (10817. *Euxoa obeliscoides* (Gn.)) (Obelisk Dart) – 17-VIII-2000 1, 14-VIII-2001 2 and 25-VIII-2001 1.
2239. *Euxoa servitus* (Sm.) (10854. *Euxoa servita* (Sm.)) (Servita Dart) – 5B-IX-2009 1.
2270. *Euxoa maimes* (S.) (10861.1 *Euxoa maimes* (Sm.)) – 16-VIII-2003 1.
2271. *Euxoa ridingsiana* (Grt.) (10861. *Euxoa ridingsiana* (Grt.)) (Riding’s Dart) – 17-VIII-2000 1, 14-VIII-2001 1 and 3-VIII-2003 1.
2272. *Feltia mollis* Wlk. (10644. *Agrotis mollis* (Wlk.)) – 1C-VII-2006 1.

2274. *Feltia jaculifera* (Gn.) (10670. *Feltia jaculifera* (Gn.)) (Dingy Cutworm Moth) – 17-VII-2000 1, 28-VII-2000 1, 17-VIII-2000 1, 6-VIII-2005 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 5B-IX-2009 1, 31B-VII-2010 1, 15B-VIII-2010 1 and 20B-VIII-2011 1.
2275. *Feltia herilis* (Grt.) (10676. *Feltia herilis* (Grt.)) (Master's Dart) – 2-VII-2000 2, 28-VII-2000 2, 6-VIII-2000 1, 17-VIII-2000 1, 18-VIII-2000 1, 11-VII-2001 2, 18-VII-2001 1, 2-VIII-2001 2, 3-VIII-2002 1, 14-VIII-2002 1, 9-VIII-2004 1, 20A-VIII-2005 1, 21A-VII-2007 1, 20-VII-2008 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 24B-VII-2010 1 and 31B-VII-2010 1.
2276. *Agrotis vetusta* Wlk. (10641. *Agrotis vetusta* Wlk.) (Old Man Dart) – 15B-VIII-2010 1.
2282. *Agrotis venerabilis* Wlk. (10651. *Agrotis venerabilis* Wlk.) (Venerable Dart) – 17-VIII-2000 7, 18-VIII-2000 1, 8-IX-2000 1, 14-VIII-2001 3, 25-VIII-2001 4, 14-VIII-2002 1, 16-VIII-2003 1, 25-VIII-2003 1, 26-VIII-2003 SR, 21-VIII-2004 1, 22B-VIII-2009 1, 15B-VIII-2010 1, 4-IX-2010 1, 20C-VIII-2011 1 and 3-IX-2011 1.
2283. *Agrotis vancouverensis* Grt. (10652. *Agrotis vancouverensis* Grt.) (Vancouver Dart) – 7-VII-2000 1, 7-VI-2003 1, 10-VI-2004 1, 15-VI-2007 1, 20A-VI-2008 1, 12C-VI-2010 1, 10B-VII-2010 1 and 12-VI-2011 1.
2289. *Ochropleura implecta* Laf. (10891. *Ochropleura plecta* (L.)) (Flame-shouldered Dart) – 29-VI-2000 1, 28-VII-2000 1, 11-VI-2001 1 and 16-VI-2001 1.
2291. *Diarsia dislocata* (Sm.) (10918. *Diarsia dislocata* (Sm.)) (Dislocated Dart) – 29-VII-2000 1, 11-VII-2000 4, 12-VII-2004 1, 31B-VII-2010 1 and 15B-VIII-2010 1.
2292. *Diarsia rubifera* (Grt.) (10917. *Diarsia rubifera* (Grt.)) (Rubifera Dart) – 5-VIII-2000 1, 27-VI-2001 1, 18-VII-2001 1, 20-VII-2008 1, 15B-VIII-2010 1 and 20C-VIII-2011 1.
2293. *Diarsia rosaria* (Grt.) (10921. *Diarsia rosaria* (Grt.)) (Rosy Dart) – 29-VII-2000 1.
2294. *Cerastis salicarum* (Wlk.) (10996. *Cerastis salicarum* (Wlk.)) (Willow Dart) – 22-IV-2000 16, 5-V-2000 1, 17-IV-2000 8, 5-V-2001 6, 12-V-2001 5, 11-V-2002 3, 18-V-2002 1, 12-V-2003 1, 23-V-2003 1, 23-IV-2005 lots, 14C-V-2005 1, 12B-V-2007 1, 13C-IV-2008 1, 2B-V-2009 1, 2C-V-2009 1, 16B-V-2009 1, 18B-IV-2010 2, 15C-V-2010 2, 7-V-2011 1 and 21-V-2011 1.
2295. *Paradiarsia littoralis* (Pack.) (10992. *Paradiarsia littoralis* (Pack.)) (Labrador Dart) – 12-VI-2000 1, 17-VI-2000 1, 23-VI-2000 1, 29-VI-2000 1, 15-VII-2000 1, 16-VI-2001 2, 27-VI-2001 3, 11-VII-2001 1, 25A-VI-2005 1, 19B-VI-2006 1, 15-VI-2007 1, 20A-VI-2008 1, 13-VII-2008 1, 20-VII-2008 1, 10B-VII-2010 1 and 16-VII-2011 1.
2297. *Lycophotia phyllophora* (Grt.) (11010. *Lycophotia phyllophora* (Grt.)) – 16-VII-2011 1.
2299. *Chersotis juncta* (Grt.) (11003. *Chersotis juncta* (Grt.)) (Scribbled Dart) – 11-VII-2001 1.
2301. *Cryptocala acadensis* (Bethune) (11012. *Cryptocala acadensis* (Bethune)) (Catocaline Dart) – 15-VII-2000 1, 22-VII-2000 1, 28-VII-2000 1, 5-VIII-2000 1, 6-VIII-2000 1, 11-VII-2001 3, 18-VII-2001 1, 13-VII-2002 SR, 3-VIII-2002 1, 14-VIII-2002 1, 6-VIII-2005 1, 21A-VII-2007 1, 13-VII-2008 1, 20-VII-2008 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 10B-VII-2010 1, 24B-VII-2010 1, 31B-VII-2010 1 and 16-VII-2011 1.
2302. *Spaelotis clandestina* (Harr.) (10926. *Spaelotis clandestina* (Harr.)) (Clandestine Dart) – 17-VI-2000 1, 15-VII-2000 1 and 17-VIII-2000 2.
2304. *Eurois occulta* (L.) (10929. *Eurois occulta* (L.)) (Great Gray Dart) – 23-VIII-1999 1, 23-VI-2000 1, 7-VII-2000 1, 17-VII-2000 1, 28-VII-2000 2, 17-VIII-2000 1, 23-VIII-2000 1, 27-VI-2001 2, 11-VII-2001 1, 18-VII-2001 1, 2-VIII-2001 1, 14-VIII-2001 1, 25-VIII-2001 1, 2-IX-2001 1, 9-VIII-2004 1, 3-IX-2005 1, 13C-VIII-2006 1, 21A-VII-2007 1, 20-VII-2008 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 10B-VII-2010 1, 24B-VII-2010 1, 31B-VII-2010 1, 15B-VIII-2010 1, 20C-VIII-2011 1 and 3-IX-2011 1.
2305. *Eurois astricta* Morr. (10930. *Eurois astricta* Morr.) (Great Brown Dart) – 22-VII-2000 3, 24-VII-2000 1, 28-VII-2000 5, 29-VII-2000 1, 5-VIII-2000 2, 11-VII-2001 1, 18-VII-2001 1, 2-VIII-2001 2, 13-VII-2002 1, 3-VIII-2002 1, 22-VII-2003 1, 20-VII-2005 1, 3-IX-2005 1, 21A-VII-2007 1, 1C-VIII-2009 1 and 31B-VII-2010 1.

2307. *Graphiphora augur* (F.) (10928. *Graphiphora augur* (Grt.)) (Soothsayer Dart) – 15-VII-2000 1, 3-VIII-2002 1, 6-VIII-2005 1 and 24B-VII-2010 1.
2308. *Anaplectoides prasina* (D. & S.) (11000. *Anaplectoides prasina* (D. & S.)) (Green-winged Dart) – 22-VII-2000 2, 28-VII-2000 3, 29-VII-2000 1, 5-VIII-2000 2, 17-VIII-2000 1, 18-VII-2001 1, 1C-VII-2006 1, 20-VII-2008 4, 1C-VIII-2009 1, 24B-VII-2010 1 and 31B-VII-2010 1.
2309. *Anaplectoides pressus* (Grt.) (11001. *Anaplectoides pressus* (Grt.)) (Dappled or Broad-winged Dart) – 15-VII-2000 1, 22-VII-2000 5, 28-VII-2000 4, 29-VII-2000 4, 5-VIII-2000 5, 21-VII-2003 1, 10-VI-2004 2, 20A-VI-2008 1, 20-VII-2008 1, 1C-VIII-2009 1, 10B-VII-2010 1 and 31B-VII-2010 1.
2310. *Aplectoides condita* (Gn.) (10999. *Aplectoides condita* (Gn.)) (Base-streaked Dart) – 29-VII-2000 1, 15-VI-2002 1, 7-VI-2003 2, 14-VI-2003 1, 10B-VI-2005 2, 28B-V-2005 3 and 15-VI-2007 1.
2312. *Eueretagrotis perattentus* (Grt.) (11008. *Eueretagrotis perattenta* (Grt.)) (Two-spot Dart) – 24-VI-2000 1, 29-VI-2000 1, 6-VII-2000 2, 15-VII-2000 3, 11-VII-2001 2, 29-VI-2002 1, 12-VII-2004 1, 9-VIII-2004 1, 25A-VI-2005 1, 19B-VI-2006 1, 13-VII-2008 1, 10B-VII-2010 1 and 1-VII-2011 1.
2313. *Xestia smithii* (Snell.) (10944. *Xestia smithii* (Snell.)) (Smith's or Spotted Clay Dart) – 22-VII-2000 1, 28-VII-2000 2, 29-VII-2000 1, 5-VIII-2000 4, 6-VIII-2000 2, 17-VIII-2000 2, 18-VIII-2000 1, 31-VII-2001 1, 2-VIII-2001 3, 14-VIII-2001 1, 3-VIII-2002 1, 14-VIII-2002 1, 16-VIII-2003 1, 9-VIII-2004 3, 21-VIII-2004 2, 20A-VIII-2005 1, 13C-VIII-2006 2, 21A-VII-2007 1, 18-VII/1-VIII-2009 1, 1C-VIII-2009 1, 22-VIII-2009 1, 22B-VIII-2009 1, 31B-VII-2010 1 and 15B-VIII-2010 2.
2314. *Xestia normannianus* (Grt.) (10943. *Xestia normanniana* (Grt.)) (Norman's Dart) – 6-VIII-2000 2.
2322. *Xestia c-nigrum* (L.) (10942. *Xestia c-nigrum* (Franc.)) (Black-letter Dart) – 27-VI-2001 2, 11-VII-2001 2, 29-VI-2002 1, 17C-VI-2006 1 and 13-VII-2008 1.
2329. *Xestia perquiritata* (Morr.) (10962. *Anomogyna perquiritata* (Morr.)) (Divided Dart) – 28-VII-2000 1.
2335. *Agnorisma bugrai* (Koçak) (10954. *Xestia collaris* (G. & R.)) (Collared Dart) – 17-VIII-2000 1, 27-VI-2001 2, 14-VIII-2001 1, 14-VIII-2002 1, 16-VIII-2003 2, 21-VIII-2004 2, 6-VIII-2005 1, 13C-VIII-2006 1, 1C-VIII-2009 1, 22B-VIII-2009 1, 15B-VIII-2010 2, 16-VII-2011 1 and 20C-VIII-2011 1.
2337. *Pseudohermonassa tenuicula* (Morr.) (10951. *Xestia tenuicula* (Morr.)) (Hair-pin Dart) – 29-VII-2000 2, 18-VIII-2000 1, 18-VII-2001 1, 3-VIII-2002 1, 6-VIII-2005 1, 13-VII-2008 1 and 20-VII-2008 1.
2344. *Protolampra rufipectus* (Morr.) (11004. *Protolampra rufipectus* (Morr.)) (Red-breasted Dart) – 5-VIII-2000 1, 6-VIII-2000 2, 14-VIII-2001 1, 6-VIII-2005 1, 20-VII-2008 1, 5B-IX-2009 1, 24B-VII-2010 1, 31B-VII-2010 1 and 15B-VIII-2010 1.
2355. *Abagrotis hermina* Laf. (Not in Hodges) – 18-VIII-2000 3.

DISCUSSION

Six hundred and sixty-five species of moths and 20 skippers and butterflies are reported from the present area. Over 260 collection days/trap nights were involved. The number of species and number of collection days/trap nights are considerably higher than that in all other sites and this has resulted in higher total species numbers.

When compared to 12 mainly undisturbed areas Aspen Parkland and Prairie areas involved in the present 12 year study, the following 63 moth species were found only at in the present mixed wood location: *Eriocrania semipurpurella*, *Gazoryctra hyperboreus*, *Ectodoemia* sp., *Lampronia humilis* ?, *Caloptilia* sp nr *stigmatella*, *Gracillaria syringella*, *Micrurapteryx salicifoliella*, *Parectopa pennsylvaniella*, *Rhizognothis interrupta*, *Lyonetia saliciella*, *Nites betulella*, *Elachista orestella*, *Elachista maritimella*, *Asymmetrura impositella*, *Brymbliia quadrimaculella*, *Denisia haydenella*, *Coleophora cornella*, *Coleophora alnifoliae*, *Coleophora mayrella*, *Asaphocrita* prob n sp, *Telphusa* sp., *Neotelphusa praefixa*, *Xenolechia aethiops*, *Teleiodes* sp.?, *Prionoxystus robiniae*, *Prochoreutis* n. sp. nr *myllerana*, *Acleris flavivittana*, *Aethes* prob *sexdentata*, *Eana osseana*, *Decodes mcdunnoughi*, *Choristoneura fractivittana*,

Archips striana, *Archips alberta*, *Lozotaenia hesperia*, *Epinotia cruciana*, *Grapholita interstinctana*, *Cydia prosperana*, *Wockia asperipunctella*, *Schreckensteiniella festaliella*, *Platyptilia carduidactylus*, *Geina tenuidactylus*, *Oidaematophorus phaceliae*, *Crambus leachellus*, *Agriphila biarmicus*, *Tehama bonifatella*, *Elophila icciusalis*, *Rheumaptera hastata*, *Anticlea multiferata*, *Orthonama evansi*, *Eupithecia annulata*, *Archiaris infans*, *Orthofidonia exornata*, *Eufidonia discospilata*, *Hypagyrtis piniata*, *Caripeta angustiorata*, *Besma quercivoraria*, *Orgyia antiqua*, *Polychrisia esmeralda*, *Autographa sansoni*, *Amphipyra tragopogonis*, *Lithophane petulca*, *Xylotype arcadia* and *Lycophotia phyllophora*. The present site is faunistically and floristically richer than any of the other areas because it has a combination of Aspen Parkland, Foothills and Boreal elements.

In comparison with that of the 12 Aspen Parkland and Prairie study areas, the Lepidoptera of the present area are most similar to that of Big Knife Provincial Park which has white spruce on north-facing slopes, and are least similar to Lowden Springs Conservation Area which is essentially a Prairie site.

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USEFUL ONLINE INFORMATION SOURCES ON MOTHS

Information on many of our Alberta moths can be found at the Entomology Collection Search site of the E.H. Strickland Entomological Museum of the Department of Biological Sciences at the University of Alberta: <http://www.entomology.ualberta.ca/>.

Illustrations of Alberta macromoths can be found at a site put together by D. Lafontaine and J. Troubridge called "The Moths of Canada":
http://www.cbif.gc.ca/spp_pages/misc_moths/phps/mothindex_e.php.

Illustrations on many of the western American macromoths can also be found on a site put together by The Moth Photographers Group:
<http://www.origins.tv/MothPhotographersGroup/WestPlates.htm>.

D. Lynn Scott has a web site with natural photos of over 400 species of moths that she has found in Ottawa, Ontario (<http://acleris.com/dls/mothindex.html>). As many of the species also occur in Alberta, these images can be quite helpful.

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