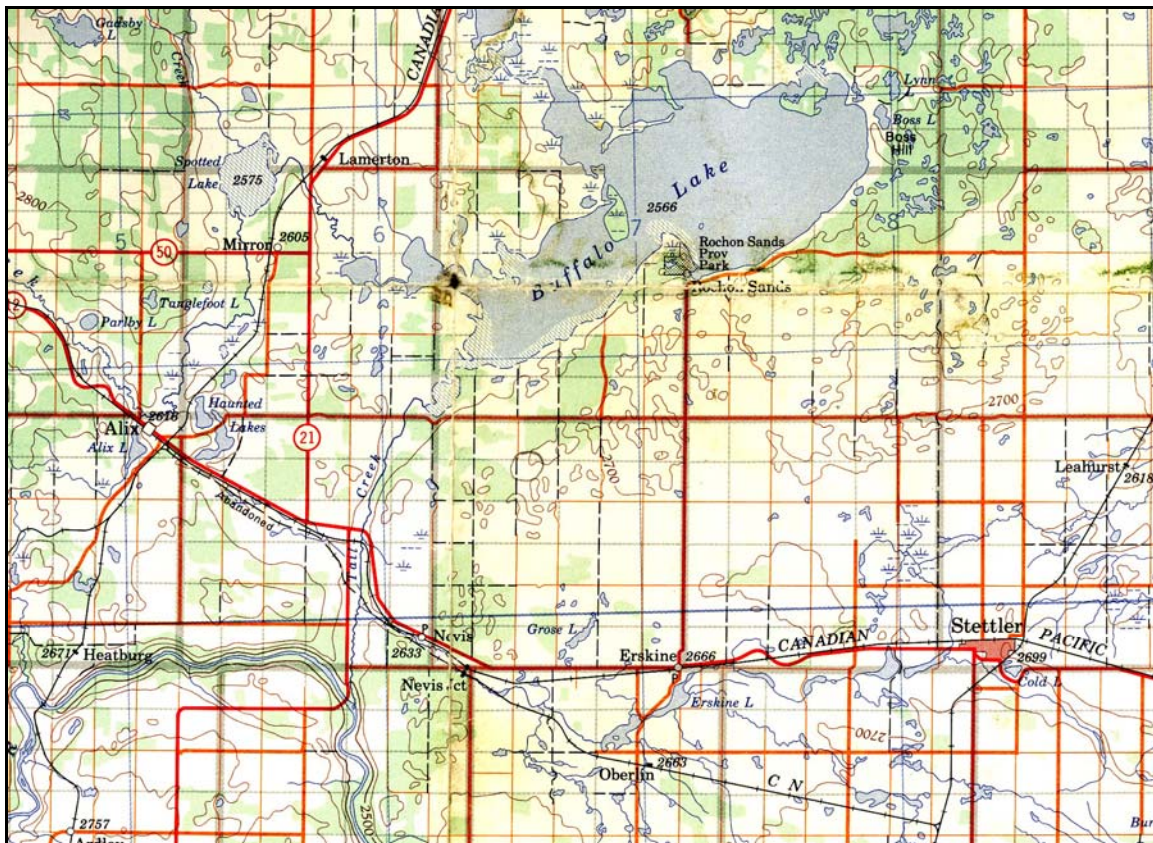


## MOTHS OF AN ASPEN PARKLAND AREA 3 KM SOUTH OF NEVIS, ALBERTA, 2001-2005

Charles Durham Bird, 26 April 2007  
 Box 22, Erskine, AB, T0C 1G0  
 cdbird@xplornet.com

### *THE AREA*

An area of rolling aspen parkland 3 km south of Nevis, Alberta, was studied repeatedly from 2001 to 2005. It was an acreage owned by Allen and Laura Hall. GPS readings for the area rounded off to 52.31 N and 113.05 W with an elevation of 890 m, though Google Earth readings were 52.186 N, 113.017 W and 812 m. Moths were collected with ultraviolet light traps on 42 different collection nights, details of which appear in the Appendix. The results of this research have not previously been reported. Voucher specimens are in the BIRD Collection.



Map showing the location of Nevis, Erskine, Stettler and Buffalo Lake in south-central Alberta. The present study area and the Buffalo Lake Moraine Conservation Area, which is on the east side of Buffalo Lake, are both examples of native aspen parkland.

While the grass in the acreage proper is mowed, natural areas of shrub and bush remain. The traps were in all cases set up on the edge of the property so that they would be able to sample the moths in the adjoining, lightly grazed, native aspen parkland on land owned by the Church family. On the north, there is a south-facing hillside with native grasses and forbs, including a small stand of *Opuntia fragilis*. On the west, there is a low area which holds water in most years. Various of the collected moths are associated with the aquatic and subaquatic plants that are found there. On the south, southwest and northwest, there are stands of aspen. A patch of saskatoon and chokecherry is found in the acreage and near its western side.

The study area was an excellent choice because it had been little disturbed and also because the Halls kindly allowed access. The study ceased when the Hall's sold the acreage in 2006.

## **BACKGROUND**

The writer, now retired and living in Erskine, Alberta, has had a long-time interest in the natural flora and fauna of the province. In the spring of 2000, he commenced an examination of the moths of south-central Alberta, the purpose of which was to document the species present in various natural areas. This is important as such native areas are rapidly disappearing because of clearing and cultivation and also because of over grazing by livestock. The writer is a member of the Alberta Lepidopterist's Guild, the purpose of which is to encourage the study of Alberta's moths and butterflies.

There is still much to be learned about the distribution and status of lepidopteran (moth and butterfly) species in south-central Alberta. Baseline studies provide information that helps characterize those species associated with various ecoregions, in the present case Aspen Parkland; determine status designations (abundant, common, rare, endangered) of various species; and allow the examination of many other parameters, including phenology, dry vs. wet years, and outbreaks of various species such as forest tent caterpillars.

## **SPECIMEN DISPOSITION**

All specimens collected by the writer presently reside in his collection but they will eventually be donated to the University of Alberta Strickland Museum, the Northern Forest Research Centre in Edmonton, and, possibly, the Canadian National Collection in Ottawa.

## **RESULTS**

The order and terminology, is that of R.W. Hodges (1983) except where recent changes in taxonomy have occurred. While most of the larger (macromoths) are relatively well known, the same cannot be said for many of the smaller micromoths. Identifications, especially of the latter, can, at times, 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; an “SR” indicates a sight record. Common names are mentioned in those cases where such names exist.

### ***HEPIALIDAE – Ghost Moths***

19. *Sthenopis purpurascens* (Pack.) (Large Ghost Moth) – 20-VII-2001 1, 2-VII-2002 1 and 22-VII-2002 1.  
 29. *Gazoryctra novigannus* (B. & Benj.) – 22-VIII-2002 1, 3-IX-2002 2, 15-IX-2002 1 and 7-IX-2005 1.

### ***NEPTICULIDAE – Nepticulid Moths***

*Lampronia* sp. – 14-VI-2002 2.

### ***TINEIDAE – Clothes Moths and others***

- Species indet. – 31-VII-2001 2.  
 334. *Amydria effrentella* Clem. – 20-VII-2001 1, 6-VIII-2002 1, 15B-IX-2002 2, 11-VII-2003 1 and 16-VII-2005 1.  
 399. *Tinea irrepta* Braun – 20-VII-2001 1, 14-VI-2002 1, 25-VI-2002 1, 3-IX-2002 2, 16-VI-2003 3, 1-VII-2003 2, 16-VII-2003 1, 29-VII-2003 1, 29-VIII-2003 2, 24-VI-2004 1, 28-IX-2004 1, 13-VI-2005 2, 26-VII-2005 1 and 4-VIII-2005 1.  
 421. *Monopis spilotella* Tengström – 20-VII-2001 1, 25-VI-2002 2, 6-VIII-2002 2, 1-VII-2003 2, 26-VII-2005 1, 4-VIII-2005 2.  
 Not in MONA. *Monopis laevigella* (D. & S.) – 29-VII-2004 1 and 1-VII-2005 1.

### ***OECOPHORIDAE – Oecophorid Moths***

908. *Depressariodes ciniflonella* Lienig & Zell. – 27-V-2002 2, 22-VII-2002 1, 11-IV-2003 1, 20-IV-2003 2 and 29-VII-2003 1.  
 910. *Martyrhilda* (*Depressariodes*) *fulva* (Wlsm.) – 13-VI-2005 2 and 4-VIII-2005 1.  
 912. *Semioscopis packardella* (Clem.) – 27-V-2002 1.  
 914. *Semioscopis inornata* Wlsm. – 28-IV-2003 1.  
 916. *Semioscopis aurorella* Dyar – 27-V-2002 1.  
 926. *Depressaria alienella* Bsk. – 28-IX-2004 1.

### ***ELACHISTIDAE – Elachistid Moths***

*Elachista* sp. – 25-VI-2002 1 and 11-V-2005 1.

### ***BLASTOBASIDAE – Blastobasid Moths***

Species indet. – 22-VIII-2002 1, 3-IX-2002 3 and 15B-IX-2002 10.

### ***SYMMOCIDAE – Symmocid Moths***

1138.31. *Glyphidocera hurlberti* Adamski – 22-IX-2002 1, 15B-IX-2002 1, 16-VII-2003 2, 29-VII-2003 1, 16-VII-2005 4 and 26-VII-2005 2. This species was described by Adamski in 2000.

### ***COLEOPHORIDAE – Casebearer Moths***

1254-1389. *Coleophora* spp. – 20-VII-2001 2, 31-VII-2001 6, 14-VI-2002 1, 25-VII-2002 1, 22-VII-2002 1, 22-VIII-2003 3, 1-VII-2003 1, 11-VII-2003 5, 16-VII-2003 1, 29-VII-2003 5, 16-VII-2005 1, 26-VII-2005 7 and 4-VIII-2005 1. The specimens are currently with Dr. J.-F. Landry who is doing a North American monograph of the group. Some of the specimens may be of species that are undescribed.

1271. *Coleophora pruniella* Clem. (Cherry Case-bearer) – 1-VII-2003 1 and 16-VII-2003 1.

1282. *Coleophora cretaticostella* Clem. – 25-VI-2002 1.

1316. *Coleophora rosacella* Clem. – 11-VII-2003 1.

1388. *Coleophora trifolii* (Curt.) (Large Clover Case-bearer) – 20-VII-2001 2, 7-VII-2002 1, 1-VII-2003 2, 16-VII-2003 1 and 26-VII-2005 1.

### ***COSMOPTERYGIDAE – Cosmopterygid Moths***

1515. *Lymnaecia phragmitella* Staint. – 22-VIII-2002 1.

1615. *Walshia miscecolorella* (Cham.) – 1-VII-2003 3.

### ***GELECHIIDAE – Gelechiid Moths***

Species indet. – 20-VII-2001 1, 31-VII-2001 1, 140-VI-2002 2, 25-VI-2002 8, 7-VII-2002 3, 6-VIII-2002 1, 22-VIII-2002 6, 3-VII-2003 4, 11-VII-2003 4, 16-VII-2003 3, 29-VII-2003 2, 29-VIII-2003 1, 28-IX-2004 5, 11-V-2005 1, 1-VI-2005 1, 16-VII-2005 8 and 26-VII-2005 4. Little is known about many of the species in this family and it may be many years before some of these specimens are determined or described.

1734. *Aristotelia devexella* Braun – 6-VIII-2002 1, 11-VII-2003 1, 29-VII-2003 3, 16-VII-2005 1 and 26-VII-2005 4.

1946. *Gelechia lynceella* Zell. – 1-VII-2003 1.

1985. *Gnorimoschema gallaeasterella* (Kellcott) – 4-VIII-2005 1.

2000. *Gnorimoschema septentrionella* Fyles – 26-VII-2005 1 and 4-VIII-2005 2.

2008. *Gnorimoschema vastificum* Braun – 16-VII-2003 1? and 29-VII-2003 1?

2093. *Chionodes mediofuscella* (Clem.) – 16-VI-2003 1, 1-VII-2003 1 and 1-VI-2005 1.

2099. *Chionodes obscuruscella* (Cham.) – 30B-VII-2005 1.

2111. *Chionodes psilopterus* (B. & Bsk.) – 20-VII-2001 4, 14-VI-2003 2, 7-VII-2002 1, 22-VII-2002 1, 1-VII-2003 2, 11-VII-2003 4, 29-VII-2003 3, 24-VI-2004 1, 1-VI-2005 2, 16-VII-2005 2, 26-VII-2005 1 and 4-VIII-2005 2.
2117. *Chionodes terminimaculella* (Kft.) – 25-VI-2002 1.
2127. *Filatima abactella* (Clarke) – 27-V-2002 11, 14-VI-2002 1, 25-VI-2002 2, 7-VII-2002 1, 22-VIII-2002 1, 27-V-2003 3, 16-VI-2003 2, 1-VII-2003 1, 27-V-2004 3, 24-VI-2004 1, 11-V-2005 1, 1-VI-2005 1 and 13-VI-2005 2.
2237. *Anacampsis innocuella* (Zell.) – 20-VII-2001 1, 1-VII-2003 1, 11-VII-2003 2, 16-VII-2003 1 and 7-IX-2005 1.
2306. *Dichomeris pupureofusca* (Wlsm.) – 1-VII-2003 1.

### ***ALUCITIDAE – Many Plume Moths***

2313. *Alucita montana* Barnes & Lindsay (*A. hexadactyla*) – 13-IX-2001 1, 14-VI-2002 1, 7-VII-2002 1, 22-VIII-2002 1, 3-IX-2002 1, 15-IX-2002 2, 16-VI-2003 2 and 27-V-2004 1.

### ***EPERMENIIDAE – Epermeniid Moths***

2334. *Ochromolopis ramapoella* (Kft.) – 25-VI-2002 1, 7-VII-2002 2 and 13-VI-2005 1.

### ***PLUTELLIDAE – Plutellid Moths***

2363. *Plutella porectella* (L.) – 31-VII-2001 1.
2366. *Plutella xylostella* (L.) (Diamondback Moth) – 20-VII-2001 1, 13-IX-2001 1, 15-IX-2002 1, 1-VII-2003 2, 29-VIII-2003 1, 11-V-2005 1, 1-VI-2005 1, 16-VII-2005 1, 26-VII-2005 1 and 4-VIII-2005 2.
2371. *Ypsolopha canariella* (Wlsm.) – 31-VII-2001 2, 16-VII-2005 1 and 26-VII-2005 1.
2376. *Ypsolopha dentiferella* (Wlsm.) – 31-VII-2002 1, 22-VII-2002 2, 22-VIII-2002 1, 29-VII-2003 1 and 26-VII-2005 1.

### ***YPONOMEUTIDAE – Yponomeutid Moths***

- Species indet. – 20-VII-2001 1.
2413. *Swammerdamia caesiella* (Hbn.) – 25-VI-2002 1.

### ***ARGYRESTHIIDAE – Argyresthiid Moths***

2449. *Argyresthia conjugella* Zell. – 2-VI-2002 2? and 16-VII-2003 1.

### ***TORTRICIDAE – Tortricid Moths***

- Species indet. – 31-VII-2001 1.
2707. *Bactra verutana* Zell. (Javelin Moth) – 25-VI-2002 1.
2753. *Apotomis capreana* (Hbn.) (Sallow Apotomis Moth) – 20-VII-2001 1.

2766. *Apotomis dextrana* McD. (Green Aspen Leafroller Moth) – 20-VII-2001 1.
2769. *Pseudosciaphila duplex* (Wlsm.) (Spotted Leafroller or Poplar Leafroller Moth) – 25-VI-2002 3, 7-VII-2002 1, 1-VII-2003 2 and 26-VII-2005 1.
2770. *Orthotaenia undulana* (D. & S.) (Dusky Leafroller Moth) – 6-VIII-2002 2, 22-VIII-2002 1, 16-VI-2003 1, 1-VII-2003 2, 24-VI-2004 2, 13-VI-2005 3 and 16-VII-2005 1.
- Olethreutes* spp. – 20-VII-2001 3, 25-VI-2002 1, 7-VII-2002 1, 22-VII-2002 3, 22-VIII-2002 2, 11-VII-2003 4, 29-VII-2003 3, 16-VII-2005 4 and 26-VII-2005 2.
2821. *Olethreutes appendicea* (Zell.) (Serviceberry *Olethreutes* Moth) – 20-VII-2001 1.
2835. *Olethreutes galaxana* Kft. – 7-VII-2002 1.
2848. *Olethreutes bipartitana* (Clem.) (Divided *Olethreutes* Moth) – 20-VII-2001 1.
2861. *Hedya ochroleucana* (Frölich) (Off-white *Hedya* Moth) – 7-VII-2002 2 and 26-VII-2005 1.
2911. *Phaneta awemeana* (Kft.) – 14-VI-2002 2.
2913. *Phaneta umbrastriana* (Kft.) – 13-VI-2005 2.
2933. *Phaneta marmontana* (Kft.) – 20-VII-2001 1 and 16-VII-2005 1.
2937. *Phaneta parmatana* (Clem.) – 26-VII-2005 1.
2949. *Phaneta lapidana* (Wlsm.) – 7-IX-2005 1.
2969. *Phaneta indagatricana* (Heinr.) – 16-VII-2003 3.
2972. *Phaneta dorsiatomana* (Kft.) – 25-VI-2002 1 and 7-VII-2002 6.
2973. *Phaneta striatana* (Clem.) – 7-VII-2002 1.
2980. *Phaneta pallidicostana* (Wlsm.) – 20-VII-2001 3, 7-VII-2002 4, 22-VII-2002 2, 1-VII-2003 1, 11-VII-2003 4, 16-VII-2003 1, 16-VII-2005 1 and 26-VII-2005 4.
2983. *Phaneta salmicolorana* (Heinr.) – 16-VII-2003 1.
2984. *Phaneta artemisiana* (Wlsm.) – 18-VII-2004 1.
2985. *Phaneta infimbriana* (Dyar) – 16-VII-2005 1.
3014. *Eucosma ridingsana* (Rob.) (Riding's *Eucosma* Moth) – 26-VII-2005 4 and 4-VIII-2005 1.
3037. *Eucosma agricolana* (Wlsm.) – 25-VI-2002 2, 7-VII-2002 1, 1-VII-2003 4, 29-VII-2003 1, 13-VI-2005 3, 16-VII-2005 2 and 26-VII-2005 1.
3116. *Eucosma dorsisignatana* (Clem.) (Triangle-backed *Eucosma* Moth) – 29-VIII-2001 3 and 15-IX-2002 1.
3119. *Eucosma junciciliana* (Wlsm.) – 26-VII-2002 2.
3142. *Eucosma cataclystana* (Wlk.) (Solidago *Eucosma* Moth) – 6-VIII-2002 1, 1-VII-2003 1, 16-VII-2003 1 and 29-VII-2003 1.
3211. *Notocelia culminana* (Wlsm.) – 31-VII-2001 1, 6-VIII-2002 2, 22-VIII-2002 3, 29-VII-2003 2 and 26-VII-2005 3.
3223. *Gypsonoma fasciolana* (Clem.) – 14-VI-2002 6.
3227. *Gypsonoma substitutionis* Heinr. – 26-VII-2005 1.
3248. *Pseudexentera oregonana* (Wlsm.) (Early Aspen Leaf Roller Moth) – 26-IV-2001 1, 11-IV-2003 2 and 20-IV-2003 1.
3288. *Epinotia castaneana* (Wlsm.) – 1-VII-2003 1.
3302. *Epinotia rectiplicana* (Wlsm.) – 31-VII-2001 1.
3306. *Epinotia nisella* Cl. (Variable Tortrix Moth) – 20-VII-2001 1, 6-VIII-2002 1 and 29-VII-2003 1.
3307. *Epinotia criddleana* Kft. – 26-VII-2003 1.
3310. *Epinotia transmissana* (Wlk.) (Walker's *Epinotia* Moth) – 11-VII-2003 1.

3342. *Epinotia lomonana* (Kft.) – 28-IX-2004 2.  
 3351. *Epinotia lindana* (Fern.) (Diamondback Epinotia Moth) – 22-VIII-2002 1.  
 3374. *Ancylis comptana* (Frölich) (Strawberry Leafroller Moth) – 13-VI-2005 1.  
 3384. *Ancylis mediofasciana* (Clem.) – 14-VI-2002 1 and 1-VI-2005 1.  
 3391. *Hystriophora stygiana* (Dyar) – 26-VII-2005 1.  
 3463. *Cydia populana* (Bsk.) – 7-VII-2002 1.  
 3465. *Cydia flexiloqua* (Heinr.) – 20-VII-2002 1 and 31-VII-2001 1.  
 3502. *Croesia albicomana* (Clem.) – 16-VII-2005 2, 26-VII-2005 2 and 14-VIII-2005 1.  
*Acleris* sp. indet. – 7-IX-2005 1.  
 3525. *Acleris forbesana* (McD.) – 29-VIII-2001 2.  
 3536. *Acleris robinsoniana* (Fbs.) – 4-VIII-2005 1 and 7-IX-2005 1.  
 3556. *Acleris nigrolinea* (Rob.) – 27-V-2003 2.  
 3580. *Decodes horarianus* (Wlsm.) – 15-IX-2002 5, 28-IX-2004 4 and 7-IX-2005 1.  
 3595. *Pandemis canadana* Kft. (Green Aspen Leaf-tier Moth) – 31-VII-2001 2, 7-VII-2002 1, 26-VII-2005 3 and 4-VIII-2005 1.  
 3635. *Choristoneura rosaceana* (Harr.) (Oblique-banded Leafroller Moth) – 20-VII-2002 1, 31-VII-2001 2, 7-VII-2002 2, 6-VIII-2002 2, 11-VII-2003 1, 16-VII-2003 3, 16-VII-2005 1 and 4-VIII-2005 1.  
 3637. *Choristoneura conflictana* (Wlk.) (Large Aspen Tortrix) – 25-VI-2002 40 SR, 16-VII-2003 4 SR and 16-VII-2005 1.  
 3675. *Aphelia alleniana* (Fern.) – 7-VII-2002 1 and 1-VII-2003 1.  
 3682. *Clepsis persicana* (Fitch) (White-angle Tortrix Moth) – 25-VI-2002 2, 7-VII-2002 2, 22-VII-2002 1 and 11-VII-2003 3.  
 3684. *Clepsis clemensiana* (Fern.) (Clemen's Clepsis Moth) – 31-VII-2001 1 and 7-VII-2002 1.  
 3688. *Ptycholoma peritana* (Clem.) (Garden Tortrix Moth) – 20-VII-2001 1, 31-VII-2001 1, 22-VII-2002 1, 6-VIII-2002 1, 16-VII-2003 1, 29-VII-2003 1 and 26-VII-2005 1.  
 3680. *Ptycholoma virescana* (Clem.) – 20-VII-2001 1, 22-VIII-2002 1, 15-IX-2002 1, 11-VII-2003 1 and 29-VII-2003 1.  
 3695. *Sparganothis sulfureana* (Clem.) (Sparganothis Fruitworm Moth) – 22-VII-2002 1.  
 3706. *Sparganothis xanthoides* (Wlk.) (Mosaic Sparganothis Moth) – 16-VII-2003 1 and 26-VII-2005 2.  
 3711. *Sparganothis unifasciana* (Clem.) (One-lined Sparganothis Moth) – 7-VII-2002 1, 22-VII-2002 2, 1-VII-2003 4, 11-VII-2003 1, 16-VII-2005 3, 26-VII-2005 1 and 4-VIII-2005 1.  
 3712. *Sparganothis vocaridorsana* Kft. – 16-VI-2003 1 and 1-VII-2003 1.  
 3720. *Sparganothis reticulatana* (Clem.) (Reticulated Fruitworm Moth) – 31-VII-2001 1 and 22-VII-2002 1.  
 3740. *Platynota idaeusalis* (Wlk.) (Tufted Apple Bud Moth) – 1-VII-2003 1 and 11-VII-2003 1.

### ***COCHYLIDAE – Cochylid Moths***

The members of this family are presently being revised by Dr. Eric Metzler and Dr. John Brown. Some of the following specimens are presently with them.

*Phtheochroa* sp. indet. – 7-VII-2002 1.

3787. *Phtheochroa* (*Carolella*) *vitellinana* (Zell.) – 7-VII-2002 1.

3792. *Phtheochroa* (*Hysterosia*) *fulviplicana* (Wlsm.) – 22-VII-2002 2 and 11-VII-2003 1.  
 3796. *Phtheochroa* (*Hysterosia*) *waracana* Kft. – 20-VII-2001 1, 15-IX-2002 1 and 1-VII-2003 1.

### ***PYRALIDAE – Pyralid or Snout Moths***

- Species indet. – 2-VI-2001 1.  
 4716. *Scoparia* *biplagiata* (Wlk.) (Double-striped *Scoparia* Moth) – 31-VII-2001 1, 22-VII-2002 1, 6-VIII-2002 2, 22-VIII-2002 6, 3-IX-2002 1, 15-IX-2002 1, 29-VII-2003 1, 26-VII-2005 2 and 4-VIII-2005 1.  
 4755. *Synclita* *obliterata* (Wlk.) (Waterlily Leaf-cutter Moth) – 31-VII-2001 1.  
 4773. *Petrophila* *kearfottalis* (B. & McD.) – 16-VII-2003 1.  
 4897. *Evergestis* *pallidata* (Hufn.) (Purple-backed Cabbageworm Moth) – 20-VII-2001 1 and 1-VII-2003 1.  
 4922. *Cornifrons* *actualis* B. & McD. – 7-VII-2002 1.  
 4950. *Fumibotys* *fumalis* (Gn.) (Mint Root Borer Moth) – 7-VII-2002 1.  
 4951. *Perispasta* *caeculialis* Zell. (Titian Peale's Pyralid Moth) – 25-VI-2002 2, 7-VII-2002 2 and 1-VII-2003 1.  
 4987. *Sitochroa* *chortalis* (Grt.) (*Sitochroa* Moth) – 14-VI-2002 2, 25-VI-2002 2 and 1-VII-2003 1.  
 5004. *Loxostege* *sticticalis* (L.) (Beet Webworm) – 14-VI-2002 1, 25-VI-2002 1, 7-VII-2002 1, 15-IX-2002 2, 16-VI-2003 1, 27-V-2004 2, 1-VI-2005 2 and 26-VII-2005 1.  
 5017. *Loxostege* *cereralis* (Zell.) (Alfalfa Webworm Moth) – 22-VII-2002 1.  
 5032. *Pyrausta* *nicalis* (Grt.) – 7-VII-2002 1 and 16-VI-2003 1.  
 5034. *Pyrausta* *signatalis* (Wlk.) (Raspberry *Pyrausta* Moth) – 25-VI-2002 1.  
 5074. *Pyrausta* *fodinalis* (Led.) – 20-VII-2001 2, 31-VII-2002 1, 22-VI-2002 2, 6-VIII-2002 1, 15-IX-2002 1, 1-VII-2003 1, 29-VII-2003 1, 16-VII-2005 1 and 26-VII-2005 1.  
 5079. *Udea* *rubigalis* (Gn.) (Celeery Leaf-tier Moth) – 16-VII-2003 1.  
 5099. *Udea* *itysalis* (Wlk.) – 7-VII-2002 1 and 26-VII-2005 1.  
 5128. *Choristostigma* *plumbosignalis* (Fern.) – 16-VII-2005 1 and 26-VII-2005 2.  
 5135. *Mecyna* *submedialis* (Grt.) (Orange-toned *Mecyna* Moth) – 20-VII-2001 2, 7-VII-2002 2, 22-VII-2002 1, 1-VII-2003 1, 11-VII-2003 3, 16-VII-2003 1, 29-VII-2003 1, 16-VII-2005 1 and 26-VII-2005 1.  
 5137. *Mecyna* *mustelinalis* (Pack.) – 7-VII-2002 1.  
 5299. *Acentria* *ephemerella* (Denis & Schiffermuller) (*A. nivea*) (Water Veneer Moth) – 7-VII-2002 1.  
 5316. *Donacaula* *melinella* (Clem.) (Delightful *Donacaula* Moth) – 16-VII-2003 1.  
 5339. *Crambus* *pascuella* (L.) (Grass-veneer Moth) – 29-VII-2003 1.  
 5343a. *Crambus* *perlellus* *innotatellus* Wlk. (Immaculate Grass-veneer Moth) – 20-VII-2001 1, 31-VII-2001 1, 7-VII-2002 2, 22-VII-2002 1, 6-VIII-2002 1, 22-VIII-2002 2, 11-VII-2003 1, 16-VII-2005 1, 26-VII-2005 1 and 4-VIII-2005 1.  
 5345a. *Crambus* *whitmerellus* *browni* Klots – 1-VII-2003 1 and 11-VII-2003 1.



- 5354 or 5357. *Crambus ainsliellus* Klots or *C. leachellus* (Zell.) – 29-VIII-2001 1, 13-IX-2001 1, 22-VIII-2002 2, 3-IX-2002 7 and 15-IX-2002 4. These two species are distinguishable with confidence only by an examination of the male genitalia.
5354. *Crambus ainsliellus* Klots – 3-IX-2005 2.
5365. *Crambus girardellus* Clem. (Girard's Grass-veneer Moth) – 1-VII-2003 1.
5379. *Neodactria luteolella* Clem. (Mottled Grass-veneer Moth) – 25-VI-2002 3, 7-VII-2002 1 and 13-VI-2005 1.
5391. *Chrysoteuchia topiaria* (Zell.) (Cranberry Girdler or Topiary Grass-veneer Moth) – 25-VI-2002 4, 7-VII-2002 4, 23-VII-2002 2, 1-VII-2003 2, 11-VII-2003 3, 16-VII-2003 1 and 16-VII-2005 1.
5397. *Agriphila plumbifimbriella* (Dyar) – 20-VII-2001, 23-VII-2001 1, 31-VII-2001 1, 22-VIII-2002 2, 15-IX-2002 2, 16-VII-2003 1, 29-VII-2003 1, 26-VII-2005 1 and 4-VIII-2005 2. The forewings lack the AM and PM lines usually associated with *A. ruricolella*. Some specimens have the ST lines usually associated with *A. plumbifimbriella*, though this line, if present, is faint. Most fresh specimens have a distinct yellowish-orange shade in the terminal area in which the seven black dots are found. *Agriphila ruricolella* lacks this feature. *Agriphila ruricolella* is basically an eastern species while *A. plumbifimbriella* is western. There are no known genitalic differences between the two species. Thus, taking everything into account, this material fits *plumbifimbriella* better than *ruricolella*. It is also possible that *plumbifimbriella* should be regarded as a synonym of *ruricolella*.
- Pediasia* sp. – 7-VII-2002 8, 6-VIII-2002 1 and 16-VII-2003 1. Some species in this genus are difficult to identify unless one can examine male genitalia. Even then, it is possible that one might be dealing with an undescribed species.
5413. *Pediasia trisecta* (Wlk.) (Sod Webworm Moth) – 31-VII-2001 1, 22-VIII-2002 4 and 3-IX-2002 4.
5415. *Pediasia ericella* (B. & McD.) – 11-VII-2003 1.
5417. *Pediasia dorsipunctella* (Kft.) – 20-VII-2001 2, 31-VII-2001 2, 29-VIII-2001 1, 25-VI-2002 1, 22-VII-2002 3, 6-VIII-2002 3, 22-VIII-2002 7, 3-IX-2002 2, 15-IX-2002 5, 11-VII-2003 3, 16-VII-2003 1, 29-VII-2003 1, 16-VII-2005 1 and 26-VII-2005 2.
5474. *Acigona comptulatis* (Hulst) (*Acigona* Moth) – 20-VII-2001 1.
5529. *Herculia thymetusalis* (Wlk.) – 7-VII-2002 1.
5606. *Tetralopha asperatella* (Clem.) (Maple Webworm Moth) – 25-VI-2002 1 and 7-VII-2002 2.
5655. *Acrobasis tricolorella* Grt. (Tricolored *Acrobasis* Moth) – 11-VII-2003 1, 16-VII-2003 1, 16-VII-2005 1 and 26-VII-2005 1.
5718. *Myelopsis subtetricella* Rag. – 20-VII-2001 2, 14-VI-2002 1 and 6-VIII-2002 1.
5721. *Apomyelois bistriatella* (Hulst) – 26-VII-2005 4 and 4-VIII-2005 3.
- 5746/5751. *Pima boisduvaliella* (Gn.) or *P. fulvirugella* (Rag.) – 14-VI-2002 1, 25-VI-2002 1, 22-VII-2003 2, 1-VII-2003 1 and 11-VII-2003 1.
5787. *Meroptera pravella* (Grt.) (Lesser Aspen Webworm Moth) – 7-VII-2002 1, 22-VII-2002 1, 1-VII-2003 4, 16-VII-2005 1 and 26-VII-2005 1.
5799. *Nephoterix basilaris* Zell. – 14-VI-2002 2, 25-VI-2002 2, 7-VII-2002 2 and 1-VII-2003 5.
5812. *Telethusia ovalis* (Pack.) – 26-VII-2005 1.
5827. *Pyla aenigmatica* Heinr. – 7-VII-2002 1 and 10-VII-2003 2.

5918. *Hulstia undulatella* (Clem.) (Sugarbeet Crown Borer Moth) – 22-VII-2002 4 and 15-IX-2002 1.  
 5946. *Phycitoides mucidellum* (Rag.) – 25-VI-2002 1.  
 5968. *Zophodia grossulariella* (Hbn.) (*Zophodia convolutella*) (Gooseberry Fruitworm Moth) – 11-V-2003 1.  
 5971. *Melitara dentata* (Grt.) -22-VIII-2002 1 and 26-VII-2005 1. The larvae of this species feed on *Opuntia fragilis*.  
 5999. *Eulogia ochrifrontella* (Zell.) (Broad-banded Eulogia Moth) – 26-VII-2005 1.  
 6007. *Vitula seratilineella* Rag. – 1-VII-2003 1.  
 6053. *Peoria approximella* (Wlk.) (Carmine Snout Moth) – 30A-VII-2005 3.

### ***PTEROPHORIDAE – Plume Moths***

- 5092-6234. Species indet. – 1-VI-2005 1, 13-VI-2005 1, 16-VII-2005 3, 26-VII-2005 1 and 4-VIII-2005 1. These specimens are being studied by Doug Macaulay.  
 6166. *Oidaematophorus mathewianus* (Zell.) (Mathew's Plume Moth) – 11-VII-2003 1, 16-VII-2005 2 and 26-VII-2005 11.  
 6205. *Hellinsia pectodactylus* (Staudinger) – 20-VII-2001 2.  
 6232. *Hellinsia arion* (B. & L.) – 29-VII-2003 1.

### ***THYATIRIDAE – Thyatirid Moths***

6237. *Pseudothyatira cymatophoroides* (Gn.) (Short-cloaked Lutestring) – 7-VII-2002 1.  
 6248. *Ceranemota albertae* Clarke (Alberta Lutestring) – 29-VIII-2001 2, 13-IX-2001 1, 3-IX-2002 2, 15-IX-2002 1 and 7-IX-2005 1.

### ***DREPANIDAE – Hooktips***

6255. *Oreta rosea* (Wlk.) (Rose Hooktip) – 7-VII-2002 1.

### ***GEOMETRIDAE – Inchworm or Geometrid Moths***

6270. *Protitame virginalis* (Hulst) (Virgin Moth) – 7-VII-2002 1, 16-VI-2003 1, 1-VII-2003 2 and 1-VI-2005 1.  
 6279. *Macaria (Itame) occiduaria* (Pack.) (Western Sulphur) – 20-VII-2001 1, 7-VII-2002 2, 1-VII-2003 1, 11-VII-2003 1, 29-VII-2003 1, 13-VI-2005 1, 16-VII-2005 2, 26-VII-2005 1 and 4-VIII-2005 1.  
 6283. *Macaria (Itame) sulphurea* (Pack.) (Spotted Sulphur Moth) – 16-VII-2003 1.  
 6290. *Macaria (Itame) loricaria* (Evers.) (False Bruce Spanworm) – 25-VI-2002 1, 7-VII-2002 1, 1-VII-2003 1 and 11-VII-2003 1.  
 6292. *Macaria (Itame) exauspicata* (Wlk.) (Speckled Granite Moth) – 26-VII-2005 1.  
 6304. *Macaria (Itame) bitactata* (Wlk.) – 20-VII-2001 4, 7-VII-2002 1, 22-VII-2002 1, 6-VIII-2002 1, 29-VII-2003 2 and 26-VII-2005 3.  
 6326. *Macaria (Itame) aemulataria* (Wlk.) (Common Angle) – 7-VII-2002 1.  
 6373. *Digrammia (Semiothisa) denticulata* Grt. (Striped Granite) – 13-VI-2005 1.

6397. *Digrammis* (*Semiothisa*) *mellistrigata* (Grt.) – 14-VI-2002 1, 7-VII-2002 1 and 26-VII-2005 1.
6431. *Hesperumia sulphuraria* Pack. (Sulphur Moth) – 29-VII-2003 1, 16-VII-2005 1 and 26-VII-2005 1.
6640. *Biston betularia* (L.) (Salt-and-Pepper Moth) – 14-VI-2002 1, 25-VI-2002 1, 7-VII-2002 1, 1-VII-2003 1 and 13-VI-2005 1.
6651. *Lycia ursaria* (Wlk.) (The Bear or Stout Spanworm Moth) – 26-IV-2001 2 and 11-V-2003 1.
6665. *Erannis tiliaria* (Harr.) (Linden Looper Moth) – 28-IX-2004 3.
6677. *Cabera erythemaria* Gn. (Yellow-dusted Cream Moth) – 20-VII-2001 1, 16-VII-2003 1 and 13-VI-2005 2.
6678. *Cabera variolaria* Gn. (Pink-striped Willow Spanworm) – 20-VII-2001 3, 31-VII-2001 2, 25-VII-2002 1, 7-VII-2002 3, 6-VIII-2002 1, 22-VIII-2002 1, 11-VII-2003 1, 29-VII-2003 1 and 26-VII-2005 2.
6715. *Aspitates aberratus* (Hy. Edw.) – 14-VI-2002 1.
6726. *Euchlaena obtusaria* (Hbn.) (Obtuse *Euchlaena*) – 7-VII-2002 1.
6729. *Euchlaena johnsonaria* (Fitch) (Johnson's *Euchlaena*) – 7-VII-2002 1, 1-VII-2003 1 and 16-VII-2005 1.
6731. *Euchlaena madusaria* (Wlk.) – 26-VII-2005 1.
6734. *Euchlaena marginaria* (Minot) (Ochre *Euchlaena*) – 14-VI-2002 1, 16-VI-2003 1, 27-V-2004 1 and 13-VI-2005 1.
6737. *Euchlaena tigrinaria* (Gn.) (Mottled *Euchlaena* or Variable Thorn) – 7-VII-2002 1, 1-VII-2003 1 and 16-VII-2005 1.
6740. *Xanthotype urticaria* Swett – 7-VII-2002 1.
6755. *Pero morrisonaria* (Hy. Edw.) (Lesser Umber or Morrison's *Pero*) – 14-VI-2002 1, 25-VI-2002 4, 7-VII-2002 1 and 13-VI-2005 1.
6796. *Campaea perlata* (Gn.) (Pale Beauty) – 20-VII-2001 2, 7-VII-2002 1 and 22-VII-2002 1.
6797. *Ennomos magnaria* Gn. (Maple Spanworm) – 29-VIII-2001 1, 13-IX-2001 1, 6-VIII-2002 1, 15-IX-2002 1, 28-IX-2004 1.
6817. *Selenia alciphearia* (Wlk.) (Northern *Selenia*) – 27-V-2002 1.
6819. *Metanema inatomaria* Gn. (Pale *Metanema*) – 14-VI-2002 1 and 7-VII-2002 1.
6820. *Metanema determinata* Wlk. (Dark *Metanema*) – 25-VI-2002 1, 7-VII-2002 1 and 1-VI-2005 1.
6822. *Metarranthis duaria* (Gn.) (Ruddy *Metarranthis*) – 14-VI-2002 1 and 27-V-2004 4.
6836. *Anagoga occiduaris* (Wlk.) (American Barred Umber) – 14-VI-2002 1.
6837. *Probole alienaria* H.-S. – 25-VI-2002 1 and 16-VI-2003 1.
6838. *Probole amicaria* (H.-S.) (Friendly *Probole*) – 14-VI-2002 2.
6912. *Sicya macularia* (Harr.) (Pink-bordered Yellow) – 20-VII-2001 2 and 26-VII-2005 1.
6954. *Synaxis jubararia* (Hulst) (October Thorn) – 15-IX-2002 1.
6982. *Prochoerhodes transversata* (Drury) (Large Maple Spanworm) – 23-VIII-2003 1.
7018. *Nemoria unitaria* (Pack.) (Single-lined Emerald) – 20-VII-2001 1.
7058. *Synchlora aerata* (F.) (Wavy-lined Emerald) – 20-VII-2002 1, 7-VII-2002 1, 11-VII-2003 1, 16-VII-2005 2 and 26-VII-2005 2.
7159. *Scopula limboundata* (Haw.) (Large Lace Border) – 7-VII-2002 2.

7164. *Scopula junctaria* (Wlk.) (Simple Wave) – 20-VII-2001 1, 31-VII-2002 1, 7-VII-2002 1, 1-VII-2003 1 and 4-VIII-2005 1.
7166. *Scopula frigidaria* Mösch. (Frigid Wave) – 26-VII-2005 1.
7169. *Scopula inductata* Gn. (Soft-lined Wave) – 7-VII-2002 3, 22-VII-2002 1, 1-VII-2003 1 and 11-VII-2003 1.
7182. *Dysstroma citrata* (L.) (Large Marbled Carpet) – 28-IX-2004 1, 4-VIII-2005 1 and 7-IX-2005 3.
7189. *Dysstroma hersiliata* (Gn.) (Orange-barred Carpet) – 1-VII-2003 1 and 11-VII-2003 1.
7199. *Eulithis propulsata* (Wlk.) (Barred Yellow or Currant Eulithis) – 31-VII-2001 1.
7205. *Eulithis flavibrunneata* (McD.) – 31-VII-2001 1 and 4-VIII-2005 1.
7207. *Eulithis xyliana* (Hulst) (The Phoenix) – 20-VII-2001 2 and 31-VII-2001 1.
7254. *Hydriomena ruberata* (Frey.) – 27-V-2002 1, 14-VI-2002 1 and 27-V-2004 1.
7257. *Hydriomena furcata* (Thund.) (Common Highflyer) – 6-VIII-2002 1 and 29-VII-2003 1.
7285. *Triphosa haesitata* (Gn.) (Brown Tissue Moth) – 28-IX-200 1.
7291. *Hydria undulata* (L.) (Scallop Shell) – 7-VII-2002 1.
7329. *Anticlea vasiliata* Gn. (Variable Carpet) – 26-IV-2001 3.
7394. *Epirrhoe alternata* (Müller) (White-banded Toothed Carpet) – 7-VII-2002 2 and 22-VII-2001 1.
7399. *Euphyia unangulata* (Haw.) (Sharp-angled Carpet) – 16-VI-2003 1 and 13-VI-2005 1.
7408. *Xenophleps alpinata* Cass. (Wood-colored Carpet) – 22-VIII-2002 1, 26-VII-2005 1 and 4-VIII-2005 1.
7440. *Eubaphe mendica* (Wlk.) (The Beggar) – 7-VII-2002 1.
7445. *Horisme intestinata* (Gn.) (Brown Bark Carpet) – 25-VI-2002 1, 1-VII-2003 1, 1-VI-2005 1 and 13-VI-2005 1.
7483. *Eupithecia regina* Tayl. – 13-VI-2005 1.
7487. *Eupithecia subfuscata* (Haw.) (Grey Pug) – 14-VI-2002 1.
7527. *Eupithecia ammonata* McD. – 14-VI-2002 1.
7594. *Eupithecia anticaria* Wlk. – 14-VI-2002 2 and 25-I-2002 1.
7605. *Eupithecia ravocostaliata* Pack. (Great Variegated Pug) – 27-V-2002 1.
7640. *Lobophora nivigerata* Wlk. (Two-lined Aspen Looper) – 14-VI-2002 1, 7-VII-2002 1 and 1-VII-2003 1.

### ***LASIOCAMPIDAE – Tent Caterpillar or Lappet Moths***

7687. *Phyllodesma americana* (Harr.) (Lappet Moth) – 27-V-2002 1, 27-V-2003 1, 27-V-2004 1 and 11-V-2005 1.
7698. *Malacosoma disstria* Hbn. (Forest Tent Caterpillar Moth) – 20-VII-2001 1, 7-VII-2002 4, 10-VII-2003 2 and 16-VII-2003 1.
7702. *Malacosoma californicum* (Pack.) (Western Tent Caterpillar) – 22-VII-2002 1.

### ***SATURNIDAE – Giant Silkworm Moths***

7757. *Antheraea polyphemus* (Cram.) (Polyphemus Moth) – 14-VI-2002 1, 25-VI-2002 1.  
 7769. *Hyalophora gloveri* (Stkr.) (Glover's Silk-moth) – 27-VI-2003 1 and 27-V-2004 1.

### ***SPHINGIDAE – Sphinx Moths***

7803. *Sphinx vashti* Stkr. (Vashti or Snowberry Sphinx) – 27-V-2002 1, 14-VI-2002 11 SR, 25-VI-2002 4 SR, 7-VII-2002 3 SR, 9-VI-2003 1, 16-VII-2003 2 SR, 27-V-2004 1 and 24-VI-2004 2.  
 7821. *Sphinx jamaicensis* (Drury) (Twin Spotted Sphinx) – 20-VII-2001 1, 31-VII-2001 1, 14-VI-2002 15 SR, 25-VI-2002 13 SR, 7-VII-2002 6 SR, 12-VII-2002 2 SR, 27-V-2004 1 and 24-VI-2004 1 SR.  
 7822. *Smerinthus cerisyi* Kby. (One-eyed Sphinx) – 14-VI-2002 20 SR, 25-VI-2002 7 SR and 7-VII-2002 10 SR.  
 7824. *Paonias excaecatus* (J.E. Smith) (Blinded Sphinx) – 25-VI-2002 1, 7-VII-2002 1 SR and 13-VI-2005 1.  
 7825. *Paonias myops* (J. E. Smith) (Small-eyed Sphinx) – 25-VI-2002 1, 7-VII-2002 1 SR and 22-VII-2002 2 SR.  
 7828. *Pachysphinx modesta* (Harr.) (Big Poplar Sphinx) – 14-VI-2002 1, 25-VI-2002 4 SR, 16-VII-2003 1 SR and 24-VI-2004 1 SR.  
 7893. *Hyles gallii* (Rottemburg) (Galium Sphinx or Bedstraw Hawkmoth) – 25-VI-2002 1 and 7-VII-2002 1 SR.

### ***NOTODONTIDAE – Prominent Moths***

7895. *Clostera albosigma* Fitch) (Sigmoid Prominent) – 26-IV-2001 4, 20-VII-2001 1, 27-V-2002 2, 7-VII-2002 1 SR, 22-VII-2002 1 and 6-VIII-2002 1.  
 7898. *Clostera strigosa* (Grt.) (Striped Chocolate-tip) – 14-VI-2002 1.  
 7900. *Clostera brucei* (Hy. Edw.) (Bruce's Chocolate-tip) – 31-VII-2001 1.  
 7901. *Clostera apicalis* (Wlk.) (Common Chocolate-tip or Red-marked Tentmaker) – 14-VI-2002 1 and 1-VI-2005 1.  
 7915. *Nadata gibbosa* (J.E. Smith) (White-dotted Prominent) – 14-VI-2002 1 and 1-VII-2003 1.  
 7922. *Pheosia rimosa* Pack. (Black-rimmed Prominent) – 20-VI-2001 2, 27-V-2004 1, 11-V-2005 1, 1-VI-2005 1 and 16-VII-2005 1.  
 7924. *Odontosia elegans* (Stkr.) (Elegant Prominent) – 14-VI-2002 1.  
 7926. *Notodonta scitipennis* Wlk. (Base-streaked Prominent) – 14-VI-2002 1.  
 7928. *Notodonta simplaria* Graef (Simple Prominent) – 14-V-2002 2 and 1-VI-2005 1.  
 7931. *Gluphisia septentrionis* Wlk. (Small Pebble or Common Gluphisia) – 14-VI-2002 1, 25-VI-2002 1 SR, 7-VII-2004 2 SR, 1-VII-2003 1, 11-VII-2003 2, 24-VI-2004 1 and 13-VI-2005 1.  
 7934. *Gluphisia lintneri* (Grt.) (Lintner's Pebble) – 26-IV-2001 3 and 20-IV-2003 1.  
 7939. *Furcula occidentalis* (Lint.) (Willow Kitten) – 1-VII-2003 1.  
 7940. *Furcula scolopendrina* (Bdv.) (Poplar Kitten) – 14-VI-2002 1 and 25-VI-2002 2.  
 7941. *Furcula modesta* (Huds/) (Modest Kitten) – 14-VI-2002 1 and 11-V-2005 1.

8007. *Schizura unicornis* (J. E. Smith) (Variegated Prominent or Unicorn Caterpillar Moth) – 25-VI-2002 1 and 13-VI-2005 1.

### ***ARCTIIDAE – Tiger Moths and others***

8043. *Eilema bicolor* (Grt.) (Bicolored Moth) – 22-VII-2002 1, 22-VIII-2002 1 and 4-VIII-2005 1.
8051. *Crambidia casta* (Pack.) (Pearly-winged Lichen Moth) – 22-VIII-2002 1.
8089. *Hypoprepia miniata* (Kby.) (Scarlet-winged Lichen Moth) – 16-VII-2003 1.
8098. *Clemensia albata* Pack. (Little White Lichen Moth) – 1-VII-2003 1.
8123. *Holomelina ferruginosa* (Wlk.) (Rusty Holomelina) – 20-VII-2001 1, 7-VII-2002 1, 22-VII-2002 1, 1-VII-2003 1, 11-VII-2003 1, 16-VII-2003 1, 16-VII-2005 1 and 26-VII-2005 1.
8129. *Pyrrharctia isabella* (J.E. Smith) (Isabella Tiger Moth) – 25-VI-2002 2 and 7-VII-2002 1.
8131. *Estigmene acraea* (Drury) (Salt Marsh Moth) – 14-VI-2002 1.
8134. *Hyphantria (Spilosoma) congrua* (Wlk.) – 14-VI-2002 3, 25-VI-2005 1 and 1-VII-2003 1.
8158. *Phragmatobia assimilans* Wlk. (Large Ruby Tiger Moth) – 27-V-2002 1, 14-VI-2002 1, 27-V-2003 1 and 27-V-2004 4.
8162. *Platarctia parthenos* (Harr.) (St. Lawrence Tiger Moth) – 14-VI-2002 1, 25-VI-2002 50 SR and 7-VII-2002 2 SR.
8166. *Arctia caja* (L.) (Great Tiger Moth) – 16-VII-2005 1, 26-VII-2005 1 and 4-VIII-2005 1.
8175. *Grammia virguncula* (W. Kby.) ((Little Virgin Moth) – 7-VII-2002 1 and 22-VII-2002 1.
8186. *Grammia williamsii* (Dodge) (William’s Tiger Moth) – 25-VI-2002 1, 7-VII-2002 2, 11-VII-2003 1 and 24-VI-2004 1.
8196. *Grammia parthenice* (W. Kby.) (Parthenice Tiger Moth) – 20-VII-2001 2, 31-VII-2001 1, 22-VII-2002 1, 22-VIII-2002 2, 29-VII-2003 1, 16-VII-2005 1, 26-VII-2005 1 and 4-VIII-2005 1.
8197. *Grammia virgo* (L.) (Virgin Tiger Moth) – 7-VII-2002 1, 12-VII-2002 1, 16-VIII-2002 1, 1-VII-2003 1, 11-VII-2003 1, 16-VII-2003 1 and 16-VII-2005 1.
8214. *Lophocampa maculata* (Harr.) (Spotted Tiger Moth) – 14-VI-2002 1, 25-VI-2002 1 SR, 7-VII-2002 2 SR, 1-VII-2003 1, 1-VI-2005 1 and 13-VI-2005 1.
8362. *Ctenucha virginica* (Esp.) (Virginia Ctenucha) – 25-VI-2002 1 and 7-VII-2002 1.

### ***LYMANTRIIDAE – Tussock Moths***

8294. *Dasychira vagans* (B. & McD.) (Variable Tussock Moth) – 1-VII-2003 1 and 11-VII-2003 1.

### ***NOCTUIDAE – Owlet or Noctuid Moths***

8322. *Idia americalis* (Gn.) (American Snout Moth) – 20-VII-2001 2, 31-VII-2001 1, 25-VI-2002 1, 7-VII-2002 1, 22-VII-2002 2, 6-VIII-2002 1, 1-VII-2003 1, 16-VII-2003 1, 29-VII-2003 1 and 16-VII-2005 1.
8354. *Zanclognatha lotalba* (Sm.) (The Canadian Zanclognatha) – 7-VII-2002 1, 16-VII-2005 1 and 26-VII-2005 1.
8359. *Macrochila* (*Hormisa*) *bivitatta* (Grt.) – 7-VII-2002 1.
8362. *Phalaenostola metonalis* (Wlk.) (Pale *Phalaenostola* or Tufted Snout) – 16-VII-2005 1.
8396. *Palthis angulalis* (Hbn.) (Angulated Snout Moth or Dark-spotted *Palthis*) – 25-VI-2002 1.
8404. *Rivula propinqualis* Gn. (Yellow Snout Moth) – 20-VII-2001 1.
8413. *Mycterophora inexplicata* (Wlk.) (Pale-edged Snout Moth) – 20-VII-2001 1.
8697. *Zale minerea* (Gn.) (Colorful Zale) – 1-VII-2003 1, 11-V-2005 1 and 1-VI-2005 1.
8731. *Euclidea cuspea* (Hbn.) (Pointed Grass Moth) – 25-VI-2002 1.
8738. *Caenurgina crassiuscula* (Haw.) (Clover Looper Moth) – 14-VI-2002 5 SR, 25-VI-2002 1, 22-VII-2002 1, 15-IX-2002 2 and 29-VII-2003 1.
8739. *Caenurgina erechtea* (Cram.) (Forage Looper Moth) – 26-VII-2005 1.
8805. *Catocala unijuga* Wlk. (Once-married Underwing) – 22-VII-2002 2, 6-VIII-2002 1 and 22-VIII-2002 1.
8817. *Catocala briseis* Edw. (Ribbed Underwing or *Briseis* Underwing) – 6-VIII-2002 2 and 29-VIII-2003 1.
8896. *Diachrysia aeroides* (Grt.) (Dark-spotted Looper Moth) – 16-VII-2005 1.
8899. *Pseudeva purpurigera* (Wlk.) (Straight-lined Looper Moth) – 22-VII-2002 1.
8913. *Autographa pseudogamma* (Grt.) (Delicate Silver Y Moth) – 7-VII-2002 1.
8914. *Autographa californica* (Speyer) (Alfalfa Looper) – 27-V-2003 1 and 4-VIII-2005 1.
8923. *Autographa ampla* (Wlk.) (Broken-banded Y or Large Looper Moth) – 13B-VIII-2005 1.
8924. *Anagrapha falcifera* (Kby) (Celery Looper) – 16-VI-2003 1 and 25-VIII-2003 1.
8950. *Plusia putnami* Grt. (Putnam's Looper Moth) – 20-VII-2001 1, 7-VII-2002 2 and 13-VI-2005 1.
8953. *Plusia venusta* Wlk. (White-streaked Looper Moth) – 20-VII-2001 1 and 31-VII-2001 1.
8990. *Nola cilicoides* (Grt.) (Blurry-patched *Nola*) – 20-VII-2001 1 and 11-VII-2003 1.
9048. *Lithacodia albidula* (Gn.) (Common Midget) – 14-VI-2002 2, 7-VII-2002 1 and 1-VII-2003 1.
9053. *Pseudostrotia carneola* (Gn.) (Pink-barred *Lithacodia*) – 7-VII-2002 1 and 1-VII-2003 1.
9085. *Tarachidia semiflava* (Gn.) – 25-VI-2002 1, 16-VII-2005 1 and 26-VII-2005 1.
9193. *Raphia frater* Grt. (The Brother) – 14-VI-2002 1, 25-VI-2002 10 SR, 7-VII-2002 2 SR, 16-VI-2003 1 and 1-VII-2003 1.
9203. *Acronicta dactylina* Grt. (American Dagger Moth) – 14-VI-2002 1.
9226. *Acronicta superans* Gn. (The Chieftain Dagger Moth) – 14-VI-2002 1.
9228. *Acronicta furcifera* Gn. (*A. hasta*) (The Forked Dagger Moth) – 14-VI-2002 1.
9261. *Acronicta impressa* Wlk. (Willow Dagger Moth) – 26-VII-2005 1.
9272. *Acronicta obliquata* (J.E. Smith) (Smear-dagger Moth) – 14-VI-2002 1.
9280. *Simyra henrici* (Grt.) (Henry's Marsh Moth) – 6-VIII-2002 1 and 3-IX-2002 1.

9348. *Apamea amputatrix* (Fitch) (Northern Quaker or Dusky Sallow) – 7-VII-2002 1 and 6-VII-2005 1.
9359. *Apamea commoda* (Wlk.) (Southern Quaker) – 7-VII-2002 2, 22-VII-2002 2, 1-VII-2003 1, 11-VII-2003 1, 16-VII-2003 2, 13-VI-2005 1, 16-VII-2005 1 and 26-VII-2005 1.
9364. *Apamea sordens* (Hufn.) (*A. finitima* Gn.) (Bordered Apamea) – 7-VII-2002 3, 1-VI-2005 1 and 13-VI-2005 1.
9365. *Apamea scoparia* Mikkola, Mustelin & Laf. (*Agroperina lateritia*) (Red-Winged Quaker) – 31-VII-2001 1 and 7-VII-2002 1.
- 9367a. *Apamea cogitata* (Sm.) (Ruby Quaker) – 26-VII-2005 1.
9369. *Apamea inficita* (Wlk.) – 20-VII-2001 2, 31-VII-2001 1, 22-VII-2002 1, 6-VIII-2002 1, 22-VIII-2002 1, 16-VII-2005 2, 26-VII-2005 1 and 4-VIII-2005 1.
9374. *Apamea niveivenosa* (Grt.) White-veined Quaker) – 20-VII-2001 1, 31-VII-2001 1 and 16-VII-2005 1.
9382. *Apamea devastator* (Brace) (Glassy Cutworm Moth or Destructive Quaker) – 7-VII-2002 1, 6-VIII-2002 4, 22-VIII-2002 1, 15-IX-2002 1, 29-VII-2003 1, 16-VII-2005 1, 26-VII-2005 1 and 7-IX-2005 1.
9391. *Luperina passer* (Gn.) (Dock Rustic) – 29-VII-2003 1 and 16-VII-2005 1.
9396. *Eremobina claudens* (Wlk.) (Alberta Quaker) – 22-VIII-2002 1 and 15-IX-2002 1.
- 9412.1. *Oligia subjuncta* (Sm.) (*O. laevigata*) (Short-cloaked Quaker) – 3-IX-2002 1 and 26-VII-2005 1.
9417. *Oligia egens* (Wlk.) (Neomogen's Quaker) – 31-VII-2001 1, 6-VIII-2002 3, 22-VIII-2002 1, 3-IX-2002 2, 15-IX-2002 1 and 29-VIII-2003 1.
9419. *Oligia mactata* (Gn.) (Prairie Quaker) – 7-IX-2005 1.
9420. *Oligia illocata* (Wlk.) (Wandering Quaker) – 29-VIII-2001 1, 15B-IX-2002 2 and 7-IX-2005 1.
9431. *Parastichtis suspecta* (Wlk.) (Mottled Quaker) – 22-VII-2002 3, 22-VIII-2002 1 and 4-VIII-2005 1.
9434. *Spartiniphaga includens* (Wlk.) (Silver-C Borer) – 6-VIII-2002 1, 22-VIII-2002 1, 15-IX-2002 1 and 26-VII-2005 1.
9437. *Chortodes inquinata* (Gn.) (Sordid Wainscot) – 16-VII-2005 1.
9439. *Chortodes basistriga* (McD.) (Base-streaked Wainscot) – 29-VIII-2001 1.
9440. *Chortodes rufostrigata* (Pack.) (Brown-streaked Rustic) – 7-VII-2002 4 and 22-VII-2002 1.
9450. *Archanara subflava* (Grt.) (Subflava Sedge Borer) – 15-IX-2002 1.
9457. *Amphipoea americana* (Speyer) (American Ear Moth) – 15-IX-2002 1 and 4-VIII-2005 1.
9515. *Hydraecia perobliqua* Hamp. (Oblique Rustic) – 3-IX-2002 1, 26-VII-2005 1 and 4-VIII-2005 1.
9525. *Bellura obliqua* (Wlk.) (Cattail Borer Moth) – 14-VI-2002 2, 25-VI-2002 1 and 27-V-2004 2.
9549. *Enargia decolor* (Wlk.) (Angle-striped Sallow) – 13-IX-2001 1, 22-VIII-2002 1, 3-IX-2002 1, 15-IX-2002 1, 29-VIII-2003 1 and 28-IX-2004 3 SR.
9550. *Enargia infumata* (Grt.) (Lesser Angle-striped Sallow) – 22-VII-2002 1, 16-VII-2003 1, 16-VII-2005 1, 26-VII-2005 1 and 4-VIII-2005 1.
9555. *Ipimorpha pleonectusa* Grt. (Even-lined Sallow) – 31-VII-2001 2, 22-VIII-2002 1 and 4-VIII-2005 1.



9647. *Proxenus miranda* (Grt.) (Glistening Rustic) – 7-VII-2002 2, 1-VII-2003 1, 11-VII-2003 1 and 16-VII-2003 1.
9649. *Proxenus mendosa* McD. – 25-VI-2002 1, 6-VIII-2002 1 and 22-VIII-2002 1.
9656. *Platyperigea montana* (Bremer) (*P. extima*) (Civil Rustic) – 22-VII-2002 1, 22-VIII-2002 1, 15-IX-2002 1, 7-VII-2002 2 SR, 22-VII-2002 4 SR and 29-VIII-2003 1.
9874. *Xylena curvimacula* (Morr.) (Dot-and-Dash Swordgrass Moth) – 27-V-2002 1, 11-IV-2003 1, 20-IV-2003 1 and 11-V-2005 1.
9875. *Xylena thoracica* (Putnam-Cramer) (Gray Swordgrass Moth) – 11-V-2003 1.
9876. *Xylena cineritia* (Grt.) (Western Swordgrass Moth) – 26-IV-2001 1, 27-V-2002 1 and 11-V-2003 1.
9881. *Homoglaea hircina* Morr. (Goat Sallow) – 26-IV-2001 1, 11-IV-2003 1 and 20-IV-2003 1.
9884. *Litholomia napaea* (Morr.) (Dark Gray Peasant) – 27-V-2002 1, 11-IV-2003 1, 20-IV-2003 1, 29-VIII-2003 1, 28-IX-2004 6 SR, 11-V-2005 1 and 7-IX-2005 1.
9952. *Eucirroedia pampina* (Gn.) (Scalloped Sallow) – 29-VIII-2001 1, 13-IX-2002 1, 3-IX-2002 1, 15-IX-2002 2, 29-VIII-2003 1 and 7-IX-2005 2.
9962. *Anathix puta* (G. & R.) (Dusky Sallow or Puta Sallow) – 29-VIII-2001 1, 22-VIII-2002 1 and 15-IX-2002 2.
9965. *Xanthia tatago* Laf. & Mik. (*X. togata*) (Pink-barred Sallow) – 15-IX-2002 1 and 29-VIII-2003 1.
9967. *Hillia iris* (Zett.) (Oris Rover) – 28-IX-2004 1.
9976. *Platypolia anceps* (Steph.) (Rugged Rover) – 15-IX-2002 1.
9993. *Brachylomia populi* (Stkr.) (Cloaked Peasant) – 22-VIII-2002 1 and 7-IX-2005 1.
10028. *Pleromelloida conserta* (Grt.) (*P. obliquata*) (Oblique Rover) – 26-IV-2001 1.
10062. *Homohadena stabilis* Sm. (Brown Sallow) – 7-VII-2002 1.
10065. *Homohadena infixa* (Wlk.) (Broad-lined Sallow) – 20-VII-2001 1 and 22-VII-2002 1.
10067. *Adita chionanthi* (J.E. Smith) (Fringed Tree Sallow) – 20-VII-2001 1, 15-IX-2002 2 and 29-VII-2003 1.
10124. *Oncocnemis cibalis* Grt. (Delicate Beauty) – 3-IX-2002 1, 15-IX-2002 2 and 29-VIII-2003 1.
10143. *Oncocnemis mackiei* (B. & Benj.) (Mackiei's Beauty) – 29-VIII-2002 1 and 15-IX-2002 3.
10194. *Cucullia intermedia* Speyer (Intermediate Falconer or Goldenrod Cutworm Moth) – 20-VII-2001 1 and 7-VII-2002 1.
10223. *Discestra trifolii* (Hufn.) (Clover Cutworm or The Nutmeg) – 9-VI-2003 1.
10232. *Discestra farnhami* (Grt.) (Farnham's Discestra) – 14-VI-2002 2 and 27-V-2004 1.
10265. *Sideridis rosea* (Harv.) (Rosy Penman or The Rosywing) – 14-VI-2002 1, 25-VI-2002 1 SR, 9-VI-2003 1, 27-V-2004 1, 10-VI-2005 1 and 12-VI-2005 1.
10271. *Mamestra configurata* (Wlk.) (Bertha Armyworm) – 25-VI-2002 1, 7-VII-2002 3 and 16-VII-2005 1.
10272. *Mamestra curialis* (Sm.) – 13-VI-2003 2.
10275. *Polia nimbosa* (Gn.) (Stormy Arches) – 25-VI-2002 1, 7-VII-2002 1 and 1-VII-2003 1.
10276. *Polia imbrifera* (Gn.) (Cloudy Arches) – 13-VI-2005 1.

10280. *Polia purpurissata* (Grt.) (Purple Arches) – 20-VII-2001 6, 31-VII-2001 2, 22-VII-2002 3, 6-VII-2002 3, 22-VIII-2002 1, 29-VII-2003 2, 16-VII-2005 2, 26-VII-2005 1 and 4-VIII-2005 1.
10288. *Polia detracta* (Wlk.) (Dingy or Disparaged Arches) – 14-VI-2002 2, 7-VII-2002 1, 11-VII-2003 1 and 13-VI-2005 1.
10290. *Orthodes (Polia) obscura* (Sm.) (Obscure Arches) – 14-VI-2002 1 and 13-VI-2005 2.
10295. *Melanchra assimilis* (Morr.) (Black Arches) – 25-VI-2002 2 and 7-VII-2002 1.
10297. *Lacanobia atlantica* (Grt.) (Atlantic Arches) – 20-VII-2001 1, 14-VI-2002 4, 22-VII-2002 1, 6-VIII-2002 1, 24-VI-2004 1, 1-VI-2005 1 and 13-VI-2005 1.
10299. *Lacanobia subjuncta* (G. & R.) (Harnessed Arches) – 13-VI-2005 1.
10305. *Trichordestra dodii* (Sm.) (Dod's Arches) – 14-VI-2002 1 and 25-VI-2002 1.
10308. *Trichordestra liquida* (Grt.) (Liquid Arches) – 1-VI-2005 2.
10322. *Hadena (Anepia) circumvadis* (Sm.) – 1-VII-2003 1.
10324. *Hada (Hecatera) sutrina* (Grt.) (The Cobbler) – 13-VI-2005 1.
10368. *Lacinipolia meditata* (Grt.) (The Thinker or Pink-backed Cutworm Moth) – 20-VII-2001 2, 31-VII-2001 2, 6-VIII-2002 1 and 4-VIII-2005 2.
10370. *Lacinipolia lustralis* (Grt.) (Lustrous Arches) – 25-VI-2002 2, 7-VII-2002 3, 24-VI-2004 3 and 13-VI-2005 1.
10372. *Lacinipolia anguina* (Grt.) (Snaky Arches) – 13-VI-2005 1.
10394. *Lacinipolia vicina* (Grt.) (Small Gray Arches) – 11-VII-2003 1, 16-VII-2003 1, 29-VII-2003 2, 16-VII-2005 1, 26-VII-2005 1 and 4-VIII-2005 2.
10397. *Lacinipolia renigera* (Steph.) (Kidney-spotted Arched or Bristly Cutworm) – 20-VII-2001 1, 31-VII-2001 1, 7-VII-2002 1, 23-VII-2002 1, 6-VIII-2002 1, 22-VIII-2002 1, 16-VII-2005 1 and 26-VII-2005 1.
10405. *Lacinipolia lorea* (Gn.) (Bridled Arches) – 7-VII-2002 1 and 24-VI-2004 1.
10406. *Lacinipolia olivacea* (Morr.) (Olive Arches) – 20-VII-2001 2, 31-VII-2001 1, 22-VII-2002 1, 6-VIII-2002 1, 22-VII-2002 1, 26-VII-2005 1 and 4-VIII-2005 1.
10426. *Dargida procincta* (Grt.) (The Girdler) – 29-VIII-2003 1.
10431. *Faronta diffusa* (Wlk.) (Cloudy Wainscot or Wheat-head Armyworm Moth) – 14-VI-2002 1, 7-VII-2002 2 and 11-VII-2003 1.
10436. *Aletia oxygala* (Grt.) (Lesser Wainscot) – 20-VII-2001 1, 31-VII-2001 2, 7-VII-2002 2, 26-VII-2005 1 and 4-VIII-2005 1.
10446. *Leucania multilinea* Wlk. (Many-lined Wainscot) – 20-VII-2001 3, 1-VII-2003 1 and 16-VII-2005 1.
10447. *Leucania commoides* Gn. (Comma Wainscot) – 20-VII-2001 1, 25-VI-2002 1, 16-VII-2003 1, 26-VII-2005 1 and 4-VIII-2005 2.
10449. *Leucania insueta* Gn. (Heterodox Wainscot) – 13-VI-2005 1.
10471. *Stretchia plusiaeformis* Hy. Edw. (Gray Spectacles) – 16-IV-2001 17 and 20-IV-2003 2.
10490. *Orthosia revicta* (Morr.) (Subdued Quaker) – 26-IV-2001 3 and 11-V-2005 1.
10493. *Orthosia segregata* Sm. (Segregate Penman) – 26-IV-2001 5, 27-V-2002 1, 20-IV-2003 1, 11-V-2003 1, 27-V-2004 2 and 11-V-2005 1.
10493. *Orthosia segregata* f. *negussa* Sm. – 26-IV-2001 2, 27-V-2004 1 and 11-V-2005 1.
10495. *Orthosia hibisci* (Gn.) (Variable Penman or Speckled Green Fruitworm Moth) – 26-IV-2001 6, 20-IV-2003 1 and 11-V-2003 1.

10513. *Egira dolosa* (Grt.) (Grieving Woodling or Greater Black Letter Dart) – 26-IV-2001 1.
10524. *Nephelodes minians* Gn. (Shaded Umber, Brown Cutworm Moth or Bronzed Cutworm Moth) – 29-VIII-2001 1, 22-VIII-2002 1, 29-VIII-2003 1, 4-VIII-2005 1 and 7-IX-2005 1.
10563. *Protorthodes oviduca* (Gn.) (Ruddy Quaker) – 25-VI-2002 6 SR, 27-V-2003 2, 9-VI-2003 1, 16-VI-2003 1 and 27-V-2004 2.
10645. *Agrotis orthogonia* Morr. (Pale Western Cutworm) – 3-IX-2002 1.
10651. *Agrotis venerabilis* Wlk. (Venerable Dart) – 29-VIII-2001 1, 14-VI-2002 2, 22-VIII-2002 1, 3-IX-2002 1 and 29-VIII-2003 1.
10652. *Agrotis vancouverensis* Grt. (Vancouver Dart) – 14-VI-2002 2, 25-VI-2002 1, 9-VI-2003 1, 16-VI-2003 1, 27-V-2004 1 and 24-VI-2004 1 SR.
10670. *Feltia jaculifera* (Gn.) (Dingy Cutworm Moth) – 20-VII-2001 1, 31-VII-2001 1, 29-VIII-2001 1, 6-VIII-2002 1, 22-VIII-2002 1, 3-IX-2002 2, 15-IX-2002 1, 26-VII-2005 1 and 4-VIII-2005 1.
10676. *Feltia herilis* (Grt.) (Master's Dart) – 20-VII-2001 2, 31-VII-2001 4, 6-VIII-2002 1, 22-VIII-2002 1, 3-IX-2002 1 and 15-IX-2002 1.
- Euxoa* species indet. – 15B-IX-2002 1.
- 10701.2. *Euxoa auxiliaris* (Grt.) (Auxiliary Dart) – 7-VII-2002 2.
10702. *Euxoa divergens* (Wlk.) (Divergent Dart) – 25-VI-2002 2, 7-VII-2002 2, 24-VI-2004 1 and 26-VII-2005 1.
10705. *Euxoa messoria* (Harr.) (Reaper Dart or Dark-sided Cutworm Moth) – 29-VIII-2003 1.
10723. *Euxoa tristicula* (Morr.) (Early Cutworm or Three-marked Dart) – 14-VI-2002 1, 7-VII-2002 3, 11-VII-2003 1 and 13-VI-2005 1.
10755. *Euxoa declarata* (Wlk.) (Clear Dart) – 29-VIII-2001 1 and 15-IX-2002 1.
10756. *Euxoa campestris* (Grt.) (Flat Dart) – 31-VII-2001 1, 7-VII-2002 1, 22-VIII-2002 1 and 3-IX-2002 3.
10777. *Euxoa aequalis* (Harv.) (Aequalis Dart) – 3-IX-2002 3, 15-IX-2002 2 and 29-VIII-2003 1.
10798. *Euxoa basalis* (Grt.) (Pale-based Dart) – 31-VII-2001 1, 29-VIII-2001 1, 13-IX-2001 1, 6-VIII-2002 2 and 3-IX-2002 1.
10801. *Euxoa ochrogaster* (Gn.) (Red-backed Cutworm Moth) – 22-VII-2002 2, 6-VIII-2002 1, 22-VIII-2002 2 and 29-VIII-2003 1.
10805. *Euxoa tessellata* (Harr.) (Tessellate Dart) – 11-VII-2003 1 and 29-VII-2003 1.
10807. *Euxoa albipennis* (Grt.) (White-winged Dart) – 29-VIII-2001 1, 22-VIII-2002 3 and 3-IX-2002 2.
10817. *Euxoa obeliscoides* (Gn.) (Obelisk Dart) – 3-IX-2002 1 and 16-VII-2003 1.
10830. *Euxoa quadridentata* (G. & R.) (Four-toothed Dart) – 22-VII-2002 1, 15-IX-2002 1 and 29-VIII-2003 2.
10830. *Euxoa detersa* (Wlk.) (Rubbed Dart or Sand Cutworm Moth) – 29-VIII-2003 1.
- 10852/4. *Euxoa auripennis* or *servita* (Sm.) – 31-VII-2001 1, 22-VIII-2002 1 and 16-VII-2003 1.
10861. *Euxoa ridingsiana* (Grt.) (Riding's Dart) – 31-VII-2001 1, 22-VII-2002 1 and 6-VIII-2002 2.
10864. *Euxoa flavicollis* (Sm.) – 22-VII-2002 1 and 16-VII-2003 1.
10891. *Ochroleura implecta* Laf. (*O. plecta*) (Flame-shouldered Dart) – 7-VII-2002 2.

10910. *Anicla tepperi* (Sm.) (*Euagrotis tepperi*) (Black-girdled Dart) – 7-VII-2002 1.  
 10917. *Diarsia rubifera* (Grt.) (*Rubifera* Dart) – 27B-VI-2003 1.  
 10923. *Actebia* (*Protexarnis*) *balanitis* (Grt.) (Bracketed Dart or Acorn Dart) – 7-VII-2002 4 and 11-VII-2003 1.  
 10926. *Spaelotis clandestina* (Harr.) (*Clandestine* Dart) – 7-VII-2002 1, 29-VII-2003 1 and 16-VII-2005 1.  
 10928. *Graphiphora augur* (Grt.) (*Soothsayer* Dart) – 16-VII-2005 1.  
 10929. *Eurois occulta* (L.) (*Great Gray* Dart) – 31-VII-2001 1, 7-VII-2002 1, 22-VIII-2002 1, 15-IX-2002 1 and 1-VII-2003 1.  
 10930. *Eurois astricta* Morr. (*Great Brown* Dart) – 20-VII-2001 1, 31-VII-2001 1, 22-VII-2002 2 and 16-VII-2005 1.  
 10931. *Eurois nigra* (Sm.) (*Great Black* Dart) – 20-VII-2001 1 and 26-VII-2005 1.  
 10942. *Xestia c-nigrum* (L.) (*Black-letter* Dart) – 25-VI-2002 1, 7-VII-2002 1, 22-VII-2002 1, 6-VIII-2002 1 and 26-VII-2005 1.  
 10943. *Xestia normaniana* (Grt.) (*Norman's* Dart) – 20-VII-2001 6, 31-VII-2001 1 and 4-VIII-2005 2.  
 10944. *Xestia smithii* (Snellen) (*Smith's* Dart or *Spotted Clay* Dart) – 31-VII-2001 3, 6-VIII-2002 1, 26-VII-2005 1 and 4-VIII-2005 2.  
 10951. *Pseudohermonassa tenuicula* (Morr.) (*Xestia tenuicula*) (*Hair-pin* Dart) – 20-VII-2001 2, 6-VIII-2002 2, 16-VII-2005 1, 26-VII-2005 1 and 4-VIII-2005 1.  
 10951. *Agnorisma bugrai* (Koçak) (*Xestia collaris*) (*Collared* Dart) – 29-VIII-2001 1, 22-VIII-2002 3, 3-IX-2002 3, 15B-IX-2002 1, 29-VIII-2003 2 and 7-IX-2005 1.  
 10992. *Paradiarsia littoralis* (Pack.) (*Labrador* Dart) – 25-VI-2002 1, 7-VII-2002 1, 16-VI-2003 1, 24-VI-2004 4 SR, 1-VI-2005 1 and 13-VI-2005 1.  
 10996. *Cerastis salicarum* (Wlk.) (*Willow* Dart) – 26-IV-2001 4 and 27-V-2002 1.  
 11004. *Protolampra rufipectus* (Morr.) (*Red-breasted* Dart) – 20-VII-2001 1, 22-VII-2002 1, 6-VIII-2002 4, 22-VIII-2002 1, 26-VII-2005 1 and 4-VIII-2005 3.  
 11012. *Cryptocala acadensis* (Bethune) (*Catocaline* Dart) – 29-VII-2001 1, 22-VII-2002 1, 6-VIII-2002 1, 16-VII-2005 1 and 26-VII-2005 1.  
 11041.1. *Abagrotis hermina* Laf. – 15-IX-2002 1.  
 11051. *Ufeus satyricus* Grt. (*Satyr* Dart) – 13-IX-2001 2 and 28-IX-2004 2.  
 11164. *Schinia florida* (Gn.) (*Primrose* Moth) – 22-VII-2002 1.

## ***DISCUSSION***

A meaningful comparison can be made between this small area and that of the larger Buffalo Lake Moraine Conservation Area as both are excellent examples of Aspen Parkland and both had been studied on numerous occasions. Percentage-wise, 62.18% (352 species) of the recorded moths were common to both, while 25.9% (1478 species) were found only in the larger area and 12% (68 species) were found only in the present one. As both areas are very similar, it is highly likely that, if further study were carried out, the percentage of species common to both would go up.

## ***SUMMARY***

Four hundred and twenty-four species of moths were recorded. The area was sampled with ultraviolet traps on 42 separate nights. As this area, though small, is quite typical Aspen Parkland, it is felt that the majority of the species characteristic of this ecological zone are listed.

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### ***APPENDIX COLLECTION NIGHTS***

2001 – April 26; July 20, 31; August 29; and September 13.

2002 – April 20; May 9, 27; June 9, 14, 16, 25; July 1, 7, 11, 16, 22, 29; August 6, 22, 29; September 3 and 15.

2003 – April 11, 20; May 11, 27; June 9, 16; July 1, 16, 29 and August 29.

2004 – May 27 and June 14.

2005 – May 11; June 1, 13; July 16, 26; August 4 and September 7.