

## An Updated List of Macrolepidopteran Moths Collected near Vontay, Hanover County, Virginia 1996-2003

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This paper provides a complete species list of macrolepidopteran moth (= macro-moth) species recorded from a site on the Virginia Piedmont, 2 km W of Vontay in western Hanover County. Unlike many forested regions of Virginia, the site has never been aerial sprayed with pesticides to control gypsy moth (*Lymantria dispar*) populations. The study site, methodology, and original species list are given in Ludwig (2000) and two updates were provided (Ludwig, 2001, 2002). This paper provides a synthesized list of all subsequent collections as well as corrected identifications of specimens reported in my previous papers. All species were recorded between 30 October 1996 and 14 September 2003 during 475 collection nights. Six methods (sugar baiting, incandescent light, black or ultraviolet light, mercury vapor light, ultraviolet light trap, and observation without collection) were used to record moths at the study site. Two to four methods were used concurrently on all collection nights. Except when temperatures dropped to near or below freezing, sampling was conducted regardless of moon phase and weather conditions. Emphasis was placed on obtaining an inclusive species list and not a quantitative sample of macro-moth species. Determinations were assigned primarily by the author with assistance from several coworkers and a number of expert lepidopterists.

A total of 2,293 macrolepidopteran moth specimens was pinned and identified during this study. The number of specimens would be much higher if all 100,000+ macro-moths encountered at the lights and bait were taken rather than selecting only moths that appeared to be new to the study. Even with the bias of collecting only moths that appeared to be new, 559 species of macro-moths from 318 genera in 13 families were collected or observed during this study (Table 1).

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### LITERATURE CITED

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Table 1. Macro-moth species encountered during this study given in order of Hodges et al. (1983) with modifications as needed due to post-1983 systematic investigations.

<b>Thyatiridae (2 genera, 2 species)</b>	
06237 <i>Pseudothyatira cymatophoroides</i> (Gn.)	06665 <i>Erannis tiliaria</i> (Harr.)
06240 <i>Euthyatira pudens</i> (Gn.)	06667 <i>Lomographa vestaliata</i> (Gn.)
<b>Drepanidae (3 genera, 3 species)</b>	
06251 <i>Drepana arcuata</i> Wlk.	06677 <i>Cabera erythemaria</i> Gn.
06253 <i>Eudeilinia herminiata</i> (Gn.)	06711 <i>Thysanopyga intractata</i> (Wlk.)
06255 <i>Oreta rosea</i> (Wlk.)	06720 <i>Lytrosis unitaria</i> (H.-S.)
<b>Geometridae (73 genera, 110 species)</b>	
06258 <i>Alsophila pomataria</i> (Harr.)	06721 <i>Lytrosis sinuosa</i> Rindge
06261 <i>Heliomata cycladata</i> Grt.& Rob.	06724 <i>Euchlaena serrata</i> (Dru.)
06270 <i>Protitame virginalis</i> (Hulst)	06726 <i>Euchlaena obtusaria</i> (Hbn.)
06273 <i>Speranza pustularia</i> (Gn.)	06729 <i>Euchlaena johnsonaria</i> (Fitch)
= <i>Itame pustularia</i> (Gn.)	06733 <i>Euchlaena amoenaria</i> (Gn.)
06322 <i>Mellilla xanthometata</i> (Wlk.)	06733.a <i>Euchlaena astylusaria</i> (Wlk.)
06326 <i>Macaria aemulataria</i> Wlk.	06735 <i>Euchlaena pectinaria</i> (D.& S.)
= <i>Semiothisa aemulataria</i> (Wlk.)	06739 <i>Euchlaena irraria</i> (B.& McD.)
06331 <i>Macaria promiscuata</i> (Fgn.)	06743 <i>Xanthotype sospeta</i> (Drury)
= <i>Semiothisa promiscuata</i> Fgn.	06754 <i>Pero ancetaria</i> (Hbn.)
06339 <i>Macaria transitaria</i> Wlk.	= <i>Pero hubneria</i> (Gn.)
= <i>Semiothisa transitaria</i> (Wlk.)	06755 <i>Pero morrisonaria</i> (Hy. Edw.)
06341 <i>Macaria bicolorata</i> (F.)	06763 <i>Phaeoura quernaria</i> (J.E.Sm.)
= <i>Semiothisa bicolorata</i> (F.)	= <i>Nacophora quernaria</i> (J.E.Sm.)
06352 <i>Macaria granitata</i> (Gn.)	06796 <i>Campaea perlata</i> (Gn.)
= <i>Semiothisa granitata</i> (Gn.)	06797 <i>Ennomos magnaria</i> Gn.
06353 <i>Macaria multilineata</i> Pack.	06815 <i>Gueneria similaria</i> (Wlk.)
= <i>Semiothisa multilineata</i> (Pack.)	06817 <i>Selenia alciphearia</i> Wlk.
06362 <i>Digrammia continuata</i> (Wlk.)	06818 <i>Selenia kentaria</i> (Grt. & Rob.)
= <i>Semiothisa continuata</i> (Wlk.)	06822 <i>Metarranthis duaria</i> (Gn.)
06386 <i>Digrammia ocellinata</i> (Gn.)	06826 <i>Metarranthis hypocharia</i> (H.-S.)
= <i>Semiothisa ocellinata</i> (Gn.)	06828 <i>Metarranthis homuraria</i> (Grt.& Rob.)
06405 <i>Digrammia gnophosaria</i> (Gn.)	06832 <i>Metarranthis obfirmaria</i> (Hbn.)
= <i>Semiothisa gnophosaria</i> (Gn.)	06834 <i>Cepphis decoloraria</i> (Hulst)
06443 <i>Glenoides texanaria</i> (Hulst)	06836 <i>Anagoga occiduaria</i> (Wlk.)
06449 <i>Glena cribrataria</i> (Gn.)	06837 <i>Probole alienaria</i> H.-S.
06452 <i>Glena plumosaria</i> (Pack.)	06838 <i>Probole amicaria</i> (H.-S.)
06478 <i>Exelis pyrolaria</i> Gn.	06842 <i>Plagodis phlogosaria</i> (Gn.)
06486 <i>Tornos scolopacinarius</i> (Gn.)	06843 <i>Plagodis fervidaria</i> (H.-S.)
06584 <i>Iridopsis humaria</i> (Gn.)	06844 <i>Plagodis alcoolaria</i> (Gn.)
= <i>Anacamptodes humaria</i> (Gn.)	06884 <i>Besma endropiaria</i> (Grt.& Rob.)
06586 <i>Iridopsis defectaria</i> (Gn.)	06885 <i>Besma quercivoraria</i> (Gn.)
= <i>Anacamptodes defectaria</i> (Gn.)	06892 <i>Lambdina pellucidaria</i> (Grt.& Rob.)
06588 <i>Iridopsis larvaria</i> (Gn.)	06894.a <i>Lambdina athasaria fervidaria</i> (Wlk.)
06590 <i>Anavitrinella pampinaria</i> (Gn.)	06941 <i>Eusarca confusaria</i> Hbn.
06594 <i>Cleora sublunaria</i> (Gn.)	06963 <i>Tetracis crocallata</i> Gn.
06597 <i>Ectropis crepuscularia</i> (D.& S.)	06964 <i>Tetracis cachexiata</i> Gn.
06599 <i>Epimecis hortaria</i> F.	06966 <i>Eutrapela clemataria</i> (J.E.Sm.)
06620 <i>Melanolophia canadaria</i> (Gn.)	06974.a <i>Patalene olyzonaria puber</i> (Grt.& Rob.)
06654 <i>Hypagyrtis unipunctata</i> (Haw.)	06982 <i>Prochoerodes lineola</i> (Goeze)
06655 <i>Hypagyrtis esther</i> (Barnes)	= <i>Prochoerodes transversata</i> (Dru.)
06659 <i>Phigalia denticulata</i> Hulst	07033 <i>Nemoria lixaria</i> (Gn.)
06660 <i>Phigalia strigataria</i> (Minot)	07046 <i>Nemoria bistriaria bistriaria</i> Hbn.
06662 <i>Palaecrita vernata</i> (Peck)	07047 <i>Nemoria rubrifrontaria</i> (Pack.)
06663 <i>Palaecrita merriccata</i> Dyar	07053 <i>Dichorda iridaria</i> (Gn.)
	07058 <i>Synchlora aerata</i> (F.)
	07071 <i>Chlorochlamys chloroleucaria</i> (Gn.)
	07075 <i>Chloropteryx tepperaria</i> (Hulst)
	07084 <i>Hethemia pistasciaria</i> (Gn.)
	07094 <i>Lobocleta ossularia</i> (Gey.)

- 07114 *Idaea demissaria* (Hbn.)  
 07123 *Idaea obfusaria* (Wlk.)  
 07132 *Pleuroprucha insulsaria* (Gn.)  
 07136 *Cyclophora packardii* (Prout)  
 07146 *Haematopsis grataria* (F.)  
 07159 *Scopula limboundata* (Haw.)  
 07169 *Scopula inductata* (Gn.)  
 07179 *Leptostales rubromarginaria* (Pack.)  
 07181 *Lophosis labeculata* (Hulst)  
 07196 *Eulithis diversilineata* (Hbn.)  
 07237.a *Hydriomena transfigurata manitoba* B.& McD.  
 07292 *Rheumaptera prunivora* (Fgn.)  
     = *Hydria prunivora* (Fgn.)  
 07388 *Xanthorhoe ferrugata* (Clerck)  
 07390 *Xanthorhoe lacustrata* (Gn.)  
 07414 *Orthonama obstipata* (F.)  
 07416 *Costaconvexa centrostrigaria* (Woll.)  
     = *Orthonama centrostrigaria* (Woll.)  
 07417 *Disclisioprocta stellata* (Gn.)  
 07422 *Hydrelia inornata* (Hulst)  
 07440 *Eubaphe mendica* (Wlk.)  
 07474 *Eupithecia miserulata* Grt.  
 07509.1 *Eupithecia matheri* Rindge  
     [Specimens originally reported as *Eupithecia herefordaria* C.& S. in Ludwig (2000)]  
 07638 *Cladara anguilineata* (Grt.& Rob.)  
 07639 *Cladara atroliturata* (Wlk.)  
 07647 *Heterophleps triguttaria* H.-S.  
 07648 *Dyspteris arbortivaria* (H.-S.)

**Epilemidae (2 genera, 2 species)**

- 07650 *Callizzia amorata* Pack.  
 07653 *Calledapteryx dryopterata* Grt.

**Mimallonidae (1 genus, 1 species)**

- 07659 *Lacosoma chiridota* Grt.

**Apatelodidae (2 genera, 2 species)**

- 07663 *Apatelodes torrefacta* (J.E.Sm.)  
 07665 *Olceclostera angelica* (Grt.)

**Lasiocampidae (4 genera, 5 species)**

- 07670 *Tolype vellea* (Stoll)  
 07683 *Artace cribraria* (Ljungh)  
 07687 *Phyllodesma americana* (Harr.)  
 07698 *Malacosoma disstria* Hbn.  
 07701 *Malacosoma americanum* (F.)

**Saturniidae (10 genera, 12 species)**

- 07704 *Eacles imperialis* (Dru.)  
 07706 *Citheronia regalis* (F.)  
 07708 *Citheronia sepulcralis* Grt.& Rob.  
 07715 *Dryocampa rubicunda* (F.)  
 07716 *Anisota stigma* (F.)  
 07723 *Anisota virginiana* (Dru.)  
 07730 *Hemileuca maia* (Dru.)  
 07746 *Automeris io* (F.)  
 07757 *Antheraea polyphemus* (Cram.)  
 07758 *Actias luna* (L.)

- 07765 *Callosamia angulifera* (Wlk.)  
 07767 *Hyalophora cecropia* (L.)

**Sphingidae (14 genera, 21 species)**

- 07771 *Agrius cingulatus* (F.)  
 07775 *Manduca sexta* (L.)  
 07783 *Manduca jasminearum* (Guer.)  
 07784 *Dolba hyloeus* (Dru.)  
 07786 *Ceratonia amyntor* (Geyer)  
 07787 *Ceratonia undulosa* (Wlk.)  
 07789 *Ceratonia catalpae* (Bdv.)  
 07793 *Paratreia plebeja* (F.)  
 07816 *Lapara coniferarum* (J.E.Sm.)  
 07821 *Smerinthus jamaicensis* (Dru.)  
 07824 *Paonias excaecatus* (J.E.Sm.)  
 07825 *Paonias myops* (J.E.Sm.)  
 07826 *Paonias astylus* (Dru.)  
 07827 *Laothoe juglandis* (J.E.Sm.)  
 07853 *Hemaris thysbe* (F.)  
 07855 *Hemaris diffinis* (Bdv.)  
 07870 *Sphecodina abbotii* (Swainson)  
 07871 *Deidamia inscripta* (Harr.)  
 07885 *Darapsa myron* (Cram.)  
 07886 *Darapsa pholus* (Cram.)  
 07894 *Hyles lineata* (F.)

**Notodontidae (18 genera, 35 species)**

- 07896 *Clostera inclusa* (Hbn.)  
 07902 *Datana ministra* (Drury)  
 07903 *Datana angusii* Grt.& Rob.  
 07905 *Datana drexelii* Hy. Edw.  
     [This specimen was assigned to *D. drexelii* based on food plant preference, but it may be *D. major* Grt. & Rob.]  
 07906 *Datana contracta* Wlk.  
 07907 *Datana integerrima* Grt.& Rob.  
 07908 *Datana perspicua* Grt.& Rob.  
 07915 *Nadata gibbosa* (J.E.Sm.)  
 07917 *Hyperaeschra georgica* (H.-S.)  
 07920 *Peridea angulosa* (J.E.Sm.)  
 07921 *Peridea ferruginea* Pack.  
 07929 *Nerice bidentata* Wlk.  
 07931 *Gluphisia septentrionalis* Wlk.  
 07936 *Furcula borealis* (Guer.)  
 07937 *Furcula cinerea* (Wlk.)  
 07942 *Cerura scitiscrita* Wlk.  
 07951 *Symmerista albifrons* (J.E.Sm.)  
 07952 *Symmerista canicosta* Franc.  
 07957 *Dasylophia anguinea* (J.E.Sm.)  
 07958 *Dasylophia thyatiroides* (Wlk.)  
 07974 *Misogada unicolor* (Pack.)  
 07975 *Macrurocampa marthesia* (Cram.)  
 07983 *Heterocampa obliqua* Pack.  
 07990 *Heterocampa umbrata* Wlk.  
 07994 *Heterocampa guttivitta* (Wlk.)  
 07995 *Heterocampa biundata* Wlk.  
 07998 *Lochmaeus manteo* Doubleday  
 07999 *Lochmaeus bilineata* (Pack.)  
 08005 *Schizura ipomoeae* Doubleday  
 08006 *Schizura badia* (Pack.)

- 08007 *Schizura unicornis* (J.E.Sm.)  
 08011 *Schizura leptinoides* (Grt.)  
 08012 *Oligocentria semirufescens* (Wlk.)  
 08017 *Oligocentria lignicolor* (Wlk.)  
 08022 *Hyparpax aurora* (J.E.Sm.)
- Arctiidae (18 genera, 33 species)**  
 08045 *Crambidia lithosioides* Dyar  
 08046 *Crambidia uniformis* Dyar  
 8053.1 *Crambidia* sp. near *cephalica* (Grt.& Rob.)  
 08061 *Cisthene kentuckiensis* (Dyar)  
 08067 *Cisthene plumbea* Stretch  
 08072 *Cisthene packardii* (Grt.)  
 08089 *Hypoprepia miniata* (Kby.)  
 08090 *Hypoprepia fucosa* Hbn.  
 08098 *Clemensia albata* Pack.  
 08099 *Pagara simplex* Wlk.  
 08107 *Haploa clymene* (Brown)  
 08110 *Haploa contigua* (Wlk.)  
 08111 *Haploa lecontei* (Guer.-Meneville)  
 08118 *Virbia opella* (Grt.)  
     = *Holomelina opella* (Grt.)  
 08121 *Virbia aurantiaca* (Hbn.)  
     = *Holomelina aurantiaca* (Hbn.)  
 08129 *Pyrrharctia isabella* (J.E.Sm.)  
 08131 *Estigmene acrea* (Dru.)  
 08134 *Spilosoma congrua* Wlk.  
 08140 *Hyphantria cunea* (Dru.)  
 08146 *Hypercompe scribonia* (Stoll)  
     = *Epantheria scribonia* (Stoll)  
 08170 *Apantesis vittata* (F.)  
 08171 *Apantesis nais* (Dru.)  
 08171.1 *Apantesis carlotta* Fgn.  
 08176 *Grammia anna* (Grt.)  
 08188 *Grammia figurata* (Dru.)  
 08196.a *Grammia parthenice intermedia* (Stretch)  
 08197 *Grammia virgo* (L.)  
 08199 *Grammia arge* (Dru.)  
 08203 *Halysidota tessellaris* (J.E.Sm.)  
 08230 *Cycnia tenera* Hbn.  
 08231 *Cycnia oregonensis* (Stretch)  
 08238 *Euchaetes egle* (Dru.)  
 08267 *Ciseps fulvicollis* (Hbn.)
- Lymantriidae (3 genera, 6 species)**  
 08292 *Dasychira tephra* Hbn.  
 08296 *Dasychira basiflava* (Pack.)  
 08302 *Dasychira obliquata* (Grt.& Rob.)  
 08314 *Orgyia definita* Pack.  
 08316 *Orgyia leucostigma* (J.E.Sm.)  
 08318 *Lymantria dispar* (L.)
- Noctuidae (168 genera, 327 species)**  
 08322 *Idia americalis* (Gn.)  
 08323 *Idia aemula* Hbn.  
 08326 *Idia rotundalis* (Wlk.)  
 08327 *Idia forbesi* (French)  
 08328 *Idia julia* (B.&McD.)  
 08329 *Idia diminuendis* (B.& McD.)  
 08333 *Idia denticulalis* (Harv.)  
 08334 *Idia lubricalis* (Gey.)  
 08338 *Phalaenophana pyramusalis* (Wlk.)  
 08340 *Zanclognatha lituralis* (Hbn.)  
 08345 *Zanclognatha laevigata* (Grt.)  
 08347 *Zanclognatha obscuripennis* (Grt.)  
 08348 *Zanclognatha pedipilalis* (Gn.)  
 08349 *Zanclognatha protumnusalis* (Wlk.)  
 08351 *Zanclognatha cruralis* (Gn.)  
 08355 *Chytolita morbidalis* (Gn.)  
 08356 *Chytolita petrealis* Grt.  
 08358 *Macrochilo litophora* (Grt.)  
 08364 *Phalaenostola larentioides* Grt.  
 08366 *Tetanolita mynesalis* (Wlk.)  
 08368 *Tetanolita floridana* (Sm.)  
 08370 *Bleptina caradrinalis* Gn.  
 08378 *Renia salusalis* (Wlk.)  
 08381 *Renia discoloralis* Gn.  
 08381.1 *Renia* sp. near *discoloralis* Gn.  
 08384.1 *Renia flavipunctalis* (Gey.)  
 08387 *Renia sobrialis* (Wlk.)  
 08393 *Lascoria ambigualis* Wlk.  
 08397 *Palthis angualis* (Hbn.)  
 08398 *Palthis asopialis* (Gn.)  
 08401 *Redectis vitrea* (Grt.)  
 08404 *Rivula propinqualis* Gn.  
 08407 *Oxycilla malaca* (Grt.)  
 08411 *Colobochyla interpuncta* (Grt.)  
 08426 *Dyspyralis illocata* Warr.  
 08427 *Dyspyralis punticosta* (Sm.)  
 08428 *Dyspyralis nigella* (Stkr.)  
 08430 *Parahypenodes quadralis* B.& McD.  
 08440 *Nigetia formosalis* Wlk.  
 08441 *Hypena manalis* (Wlk.)  
     = *Bomolocha manalis* (Wlk.)  
 08442 *Hypena baltimoralis* Gn.  
     = *Bomolocha baltimoralis* (Gn.)  
 08443 *Hypena bijugalis* Wlk.  
     = *Bomolocha bijugalis* (Wlk.)  
 08444 *Hypena palparia* (Wlk.)  
     = *Bomolocha palparia* (Wlk.)  
 08445 *Hypena abalienalis* (Wlk.)  
     = *Bomolocha abalienalis* (Wlk.)  
 08446 *Hypena deceptalis* (Wlk.)  
     = *Bomolocha deceptalis* (Wlk.)  
 08447 *Hypena madefactalis* (Gn.)  
     = *Bomolocha madefactalis* (Gn.)  
 08465 *Hypena scabra* (F.)  
     = *Plathypena scabra* (F.)  
 08467 *Hemeroplanis scopulepes* (Haw.)  
 08479 *Spargaloma sexpunctata* Grt.  
 08490 *Pangrapta decoralis* Hbn.  
 08491 *Ledaea periditalis* (Wlk.)  
 08493 *Isogona tenuis* (Grt.)  
 08499 *Metalectra discalis* (Grt.)  
 08500 *Metalectra quadrisignata* (Wlk.)  
 08502 *Metalectra tantillus* (Grt.)  
 08505 *Metalectra richardsi* Brower  
 08509 *Arugisa latiorella* (Wlk.)

- 08514 *Scolecocampa liburna* (Gey.)  
 08523 *Gabara distema* (Grt.)  
 08525 *Phyprosopus callitrichoides* Grt.  
 08528 *Hypsoropha hormos* Hbn.  
 08534 *Plusiodonta compressipalpis* Gn.  
 08536 *Calyptra canadensis* (Bethune)  
 08574 *Anticarsia gemmatalis* Hbn.  
 08587 *Panopoda rufimargo* (Hbn.)  
 08588 *Panopoda carneicosta* Gn.  
 08591 *Phoberia atomaris* Hbn.  
 08592 *Cissusa spadix* (Cram.)  
 08651 *Lesmone detrahens* (Wlk.)  
 08689 *Zale lunata* (Dru.)  
 08692 *Zale galbanata* (Morr.)  
 08694 *Zale aeruginosa* (Gn.)  
 08695 *Zale undularis* (Dru.)  
 08697 *Zale minerea* (Gn.)  
 08699 *Zale obliqua* (Gn.)  
 08704 *Zale helata* (Sm.)  
 08705 *Zale bethunei* (Sm.)  
 08707 *Zale metatoides* McD.  
 08708 *Zale metata* (Sm.)  
 [One specimen originally reported as *Zale duplicata* (Bethune) in Ludwig (2002)]  
 08713 *Zale lunifera* (Hbn.)  
 08716 *Zale unilineata* (Grt.)  
 08717 *Zale horrida* Hbn.  
 08719 *Euparthenos nubilis* (Hbn.)  
 08721 *Allotria elonypha* (Hbn.)  
 08727 *Parallelia bistrariis* Hbn.  
 08733 *Caenurgia chloropha* (Hbn.)  
 08738 *Caenurgina crassiuscula* (Haw.)  
 08739 *Caenurgina erechtea* (Cram.)  
 08743 *Mocis latipes* (Gn.)  
 08745 *Mocis texana* (Morr.)  
 08747 *Celiptera frustulum* Gn.  
 08764 *Argyrostromis anilis* (Hbn.)  
 08769 *Spiloloma lunilinea* Grt.  
 08770 *Catocala innubens* Gn.  
 08771 *Catocala piatrix* Grt.  
 08773 *Catocala epione* (Dru.)  
 08782 *Catocala flebilis* Grt.  
 08790 *Catocala dejecta* Stkr.  
 08792 *Catocala vidua* (J.E.Sm.)  
 08794 *Catocala lacrymosa* Gn.  
 08796 *Catocala nebulosa* Edw.  
 08798 *Catocala neogama* (J.E.Sm.)  
 08801 *Catocala ilia* (Cram.)  
 08801.1 *Catocala umbrosa* Brou  
 08802 *Catocala cerogama* Gn.  
 08832 *Catocala cara* Gn.  
 08847 *Catocala gracilis* Edw.  
 08849 *Catocala andromedae* Gn.  
 08851 *Catocala coccinata* Grt.  
 08857 *Catocala ultronia* (Hbn.)  
 08864 *Catocala grynea* (Cram.)  
 08872 *Catocala clintoni* Grt.  
 08877 *Catocala connubialis* Gn.  
 08878 *Catocala amica* (Hbn.)  
 08878.a *Catocala lineella* Grt.  
 08886 *Enigmogramma basigera* (Wlk.)  
 08887 *Trichoplusia ni* (Hbn.)  
 08889 *Ctenoplusia oxygramma* (Gey.)  
 = *Agrapha oxgramma* (Gey.)  
 08890 *Pseudoplusia includens* (Wlk.)  
 08898 *Allagrapha aerea* (Hbn.)  
 08904 *Chrysanympa formosa* (Grt.)  
 08907 *Megalographa biloba* (Steph.)  
 = *Autographa biloba* (Steph.)  
 08908 *Autographa precatonis* (Gn.)  
 08924 *Anagrapha falcifera* (Kby.)  
 08955 *Marathyssa inficita* (Wlk.)  
 08957 *Paectes oculatrix* (Gn.)  
 08959 *Paectes pygmaea* Hbn.  
 08962 *Paectes abrostoloides* (Gn.)  
 08968 *Eutelia pulcherrima* (Grt.)  
 08969 *Baileya doubledayi* (Gn.)  
 08970 *Baileya ophthalmica* (Gn.)  
 08971 *Baileya dormitans* (Gn.)  
 08973 *Baileya australis* (Grt.)  
 08975 *Nycteola frigidana* (Wlk.)  
 08983 *Meganola phylla* (Dyar)  
 08983.2 *Meganola spodia* Franc.  
 08990 *Nola cilicoides* (Grt.)  
 08996 *Nola clethrae* Dyar  
 09003.1 *Tripudia rectangula* Pogue  
 [Specimen originally reported as *Tripudia quadrifera* (Zell.) in Ludwig (2001)]  
 09025 *Oruza albocostaliata* (Pack.)  
 09037 *Hyperstrotia pervertens* (B. & McD.)  
 09038 *Hyperstrotia villificans* (B. & McD.)  
 09039 *Hyperstrotia flaviguttata* (Grt.)  
 09040 *Hyperstrotia secta* (Grt.)  
 09044 *Thioptera nigrofimbria* (Gn.)  
 09047 *Lithacodia muscosula* (Gn.)  
 09049 *Maliattha synochitis* (Grt. & Rob.)  
 = *Lithacodia synochitis* (Grt. & Rob.)  
 09051 *Lithacodia musta* (Grt. & Rob.)  
 09053 *Pseudeustrotia carneola* (Gn.)  
 = *Lithacodia carneola* (Gn.)  
 09057 *Homophoberia apicosa* (Haw.)  
 09062 *Cerma cerintha* (Tr.)  
 09065 *Leuconycta diphteroides* (Gn.)  
 09085 *Tarachidia semiflava* (Gn.)  
 09090 *Tarachidia candefacta* (Hbn.)  
 09095 *Tarachidia erastrionides* (Gn.)  
 09127 *Spragueia leo* (Gn.)  
 09136 *Acontia aprica* (Hbn.)  
 09169 *Bagisara rectifascia* (Grt.)  
 09182 *Panthea furcilla* (Pack.)  
 09184 *Colocasia flavicornis* (Sm.)  
 09189 *Charadra deridens* (Gn.)  
 09193 *Raphia frater* Grt.  
 09199 *Acronicta rubricoma* Gn.  
 09200 *Acronicta americana* (Harr.)  
 09208 *Acronicta betulae* Riley  
 09216 *Acronicta albarufa* Grt.  
 09221 *Acronicta funeralis* (Grt. & Rob.)

- 09225 *Acronicta vinnula* (Grt.)  
 09227 *Acronicta laetifica* Sm.  
 09229 *Acronicta hasta* Gn.  
 09236 *Acronicta morula* Grt.& Rob.  
 09237 *Acronicta interrupta* Gn.  
 09238 *Acronicta lobeliae* Gn.  
 09242 *Acronicta exilis* Grt.  
 09243 *Acronicta ovata* Grt.  
 09244 *Acronicta modica* Wlk.  
 09250 *Acronicta inclarata* Sm.  
 09251 *Acronicta retardata* (Wlk.)  
 09254 *Acronicta afflicta* Grt.  
 09257 *Acronicta impleta* Wlk.  
 09259 *Acronicta noctivaga* Grt.  
 09264 *Acronicta longa* Gn.  
 09266 *Acronicta lithospila* Grt.  
 09272 *Acronicta obliquata* (J.E. Sm.)  
 09280 *Simyra insularis* (H.-S.)  
     = *Simyra henrici* (Grt.)  
 09281 *Agriopodes fallax* (H.-S.)  
 09284 *Anterastria teratophora* (H.-S.)  
     = *Agriopodes teratophora* (H.-S.)  
 09285 *Polygrammate hebraeicum* Hbn.  
 09286 *Harrisimemna trisignata* (Wlk.)  
 09286.1 *Comachara cadburyi* Franc.  
 09299 *Eudryas unio* (Hbn.)  
 09301 *Eudryas grata* (F.)  
 09332 *Apamea vulgaris* (Grt.& Rob.)  
 09348 *Apamea amputatrix* (Fitch)  
 09404 *Oligia modica* (Gn.)  
 09427 *Meropleon diversicolor* (Morr.)  
 09454 *Loscopia velata* (Wlk.)  
     = *Amphipoea velata* (Wlk.)  
 09456 *Amphipoea interoceanica* (Sm.)  
 09463 *Parapamea buffaloensis* (Grt.)  
 09466 *Papaipema cataphracta* (Grt.)  
 09484 *Papaipema rutila* (Gn.)  
 09485 *Papaipema baptisiae* (Bird)  
 09496 *Papaipema nebris* (Gn.)  
 09501 *Papaipema eupatorii* (Lyman)  
 09505 *Papaipema cerussata* (Grt.)  
 09525.c *Bellura anoa* (Dyar)  
 09545 *Euplexia benesimilis* McD.  
 09547 *Phlogophora periculosa* Gn.  
 09556 *Chytonix palliatricula* (Gn.)  
 09560 *Dypterygia rozmani* Berio  
 09582 *Nedra ramosula* (Gn.)  
 09618 *Phosphila turbulenta* Hbn.  
 09619 *Phosphila miselioides* (Gn.)  
 09631 *Calloplistria mollissima* (Gn.)  
 09638 *Amphipyra pyramidoides* Gn.  
 09647 *Proxenus miranda* (Grt.)  
 09650 *Anorthodes tarda* (Gn.)  
 09661 *Crambodes talidiformis* Gn.  
 09662 *Balsa malana* (Fitch)  
 09666 *Spodoptera frugiperda* (J.E.Sm.)  
 09669 *Spodoptera ornithogalli* (Gn.)  
 09678 *Elaphria versicolor* (Grt.)  
 09679 *Elaphria chalcedonia* (Hbn.)  
 09681.1 *Elaphria cornutinis* Saluke & Pogue  
     [Identity of additional specimens not confirmed;  
     some may be *E. alapallida* Pogue & Sullivan]  
 09684 *Elaphria grata* Hbn.  
 09688 *Galgula partita* Gn.  
 09689 *Perigea xanthioides* Gn.  
 09690 *Condica videns* (Gn.)  
     = *Platysenta videns* (Gn.)  
 09693 *Condica mobilis* (Wlk.)  
     = *Platysenta mobilis* (Wlk.)  
 09699 *Condica sutor* (Gn.)  
     = *Platysenta sutor* (Gn.)  
 09720 *Ogdoconta cinereola* (Gn.)  
 09725 *Azenia obtusa* (H.-S.)  
     = *Stiriodes obtusa* (H.-S.)  
 09766 *Cirrhophanus triangulifer* Grt.  
 09815 *Cosmia calami* (Harv.)  
 09886 *Lithophane patefacta* (Wlk.)  
 09892 *Lithophane disposita* Morr.  
 09893 *Lithophane hemina* Grt.  
 09905 *Lithophane viridipallens* Grt.  
 09910 *Lithophane antennata* (Wlk.)  
 09915 *Lithophane grotei* Riley  
 09916 *Lithophane unimoda* (Lint.)  
 09929 *Pyreferra hesperidago* (Gn.)  
 09930 *Pyreferra citrombra* Franc.  
 09933 *Eupsilia vinulenta* (Grt.)  
 09934 *Eupsilia cirripalea* Franc.  
 09934.1 *Eupsilia* sp. near *cirripalea* Franc.  
 09935 *Eupsilia tristigmata* (Grt.)  
 09941 *Sericaglaea signata* (French)  
 09942 *Xystocheilus rufago* (Hbn.)  
 09943 *Metaxaglaea inulta* (Grt.)  
 09944 *Metaxaglaea viatica* (Grt.)  
 09945.2 *Metaxaglaea violacea* Schweitzer  
 09946 *Epiglaea decliva* (Grt.)  
 09950 *Chaetoglaea sericea* (Morr.)  
 09952 *Eucirroedia pampina* (Gn.)  
 09957 *Agrochola bicolorago* (Gn.)  
     = *Sunira bicolorago* (Gn.)  
 09961 *Anathix ralla* (Grt.& Rob.)  
 09989.a *Sutyra privata teltowa* (Sm.)  
 10014 *Psaphida rolandi* (Grt.)  
 10016 *Psaphida styracis* (Gn.)  
 10019 *Psaphida resumens* Wlk.  
 10021 *Copivaleria grotei* (Morr.)  
 10065 *Homohadena infixata* (Wlk.)  
     [All specimens originally reported as *H. badistriga* (Grt.)  
     in Ludwig (2000) are now attributed to *H. infixata*.]  
 10304 *Trichordestra legitima* (Grt.)  
 10368 *Lacinipolia meditata* (Grt.)  
 10372 *Lacinipolia anguina* (Grt.)  
 10397 *Lacinipolia renigera* (Steph.)  
 10405 *Lacinipolia lorea* (Gn.)  
 10406 *Lacinipolia olivacea* (Morr.)  
 10413 *Lacinipolia explicata* McD.  
 10414 *Lacinipolia implicata* McD.  
 10438 *Mythimna unipuncta* (Haw.)  
     = *Pseudaletia unipuncta* (Haw.)

- 10445 *Leucania linda* Franc.  
 10456 *Leucania adjuta* (Grt.)  
 10461 *Leucania ursula* (Fbs.)  
 10487 *Orthosia rubescens* (Wlk.)  
 10488 *Orthosia garmani* (Grt.)  
 10495 *Orthosia hibisci* (Gn.)  
 10501 *Crocigrapha normani* (Grt.)  
 10502 *Himella fidelis* (Grt.)  
   = *Himella intractata* (Morr.)  
 10517 *Egira alternans* (Wlk.)  
 10518 *Achatia distincta* Hbn.  
 10521 *Morrisonia confusa* (Hbn.)  
 10521.1 *Morrisonia latex* (Gn.)  
 10524 *Nephelodes minians* Gn.  
 10532.b *Homorthodes lindseyi* (Benj.)  
 10567 *Ulolonche culea* (Gn.)  
 10585 *Orthodes majuscula* H.-S.  
   = *Orthodes crenulata* (Btlr.)  
 10587 *Orthodes cynica* Gn.  
 10589.1 *Orthodes detracta* (Wlk.)  
 10589.2 *Orthodes goodelli* (Grt.)  
 10627 *Tricholita signata* (Wlk.)  
 10648 *Agrotis gladiaria* Morr.  
 10651 *Agrotis venerabilis* Wlk.  
 10663 *Agrotis ipsilon* (Hufn.)  
 10664 *Feltia subterranea* (F.)  
 10675 *Feltia tricosia* (Lint.)  
 10676 *Feltia herilis* (Grt.)  
 10870 *Dichagyris acclivis* (Morr.)  
   = *Richia acclivis* (Morr.)  
 10891.1 *Ochropleura implecta* Laf.  
 10903 *Anicla illapsa* (Wlk.)  
   = *Euagrotis illapsa* (Wlk.)  
 10911 *Anicla infecta* (Ochs.)  
 10915 *Peridroma saucia* (Hbn.)  
 10942.1 *Xestia dolosa* Franc.  
 10944 *Xestia smithii* (Snell.)  
 10950 *Pseudohermonassa bicarnea* (Gn.)  
   = *Xestia bicarnea* (Gn.)  
 10955 *Agnorisma badinodis* (Grt.)  
   = *Xestia badinodis* (Grt.)  
 10956 *Agnorisma bollii* (Grt.)  
   = *Xestia bollii* (Grt.)  
 10967 *Xestia elimata* (Gn.)  
   = *Anomogyna elimata* (Gn.)  
 10969 *Xestia dilucida* (Morr.)  
   = *Anomogyna dilucida* (Morr.)  
 10994 *Cerastis tenebrifera* (Wlk.)  
 10998 *Choephora fungorum* Grt. & Rob.  
 11006 *Protolampra brunneicollis* (Grt.)  
 11012.1 *Noctua pronuba* (L.)  
 11029 *Abagrotis alternata* (Grt.)  
 11063 *Pyrrhia adela* Laf. & Mikkola  
 11068 *Helicoverpa zea* (Boddie)  
   = *Heliothis zea* (Boddie)  
 11070 *Heliothis subflexa* (Gn.)  
 11071 *Heliothis virescens* (F.)  
 11073.1 *Heliocheilus lupatus* (Grt.)  
   [Specimen originally reported as *Heliothis*  
   *phloxiphagus* Grt. & Rob. in Ludwig (2000)]  
 11117 *Schinia lynx* (Gn.)  
 11118 *Schinia obscurata* Stkr.  
 11128 *Schinia arcigera* (Gn.)  
 11135 *Schinia rivulosa* (Gn.)  
 11149 *Schinia trifascia* Hbn.  
 11177 *Schinia nundina* (Dru.)