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An annotated list of the Lepidoptera of Honduras

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**Abstract.** A biodiversity inventory of the Lepidoptera of Pico Bonito National Park and vicinity, in the Department of Atlantida of northern Honduras, was initiated in 2009 to obtain baseline data. We present a revised checklist of Honduran butterfly species (updated from the initial 1967 lists), as well as the first comprehensive list of Honduran moths. Our updated list includes 550 species of Papilionoidea, 311 Hesperioidea, and 1,441 moth species.

**Keywords.** Mesoamerica, Neotropical, Central America, biodiversity, faunal composition, Lepidoptera, Honduras.

## Introduction

A comprehensive inventory of the Lepidoptera of Honduras has been initiated by the McGuire Center for Lepidoptera and Biodiversity, Florida Museum of Natural History, in collaboration with the Centro Zamorano de Biodiversidad, Escuela Agrícola Panamericana–Zamorano, The Lodge at Pico Bonito, and the Centro Universitario Regional del Litoral Atlántico. Together with the support of taxonomic specialists at various institutions, students, research associates, and ecotourism citizen-scientist participants, we seek to expand the knowledge and appreciation of the faunal diversity and natural history of Honduras. In addition, our objectives are to provide research and reference material for current and future studies on the phylogeny, systematics, and zoogeography of Lepidoptera. To date, our survey efforts have concentrated on the northern coast, while at the same time assembling data from literature records and museum specimens from areas throughout Honduras. The present

publication summarizes the results of the first two years of our surveys (2009-2010) in the form of an annotated list, and gives an introduction to the biodiversity, biogeography, and climate of the region. In addition, we provide a brief description of the principal study area and a general review of the history of previous biodiversity studies on Lepidoptera of Mesoamerica.

### **Biodiversity, Historical Geology, and Biogeography**

Mesoamerica is a biodiversity hotspot that includes all tropical and subtropical ecosystems from eastern Panama north and west through Costa Rica, Nicaragua, Honduras, El Salvador, Belize, and Guatemala, in addition to portions of southern and coastal Mexico. Approximately 40% of the Mesoamerican forests are theoretically still present today but they are often highly fragmented. Although the Mesoamerican corridor does not have the breadth or the high elevations of the Andes, there are numerous metamorphic mountain chains throughout the region with peaks reaching 4000 m, in addition to a series of active volcanoes (Mittermeier et al. 1999). The intervening lowlands and valleys throughout these cordilleras have acted as corridors for animal and human migrations and dispersal over millions of years. Historical geological evidence suggests a rather wide separation of the two continents from the Cretaceous through the Oligocene and into the late Miocene (Raven and Axelrod 1974; Gose 1985; Pindell and Dewey 1982; Smith 1985; Smith and Bredin 1977; Miller and Miller 2001). It has been suggested that once the contiguous land connection was complete during the Pliocene (3 mybp) (Donnelly 1992; Iturralde-Vinent and MacPhee 1999) to 5.7 mybp (Webb 1978, 1985, 1991, 2006), an extensive faunal exchange began. The species that inhabit these areas today are relicts of the fauna and flora from both North and South America. Thus, the Mesoamerican biodiversity hotspot exhibits a unique geological and evolutionary history with a patchwork of habitats supporting some of the highest levels of biodiversity and endemism on earth.

### **Climate and Habitats**

The Caribbean lowlands of Honduras are among the wettest sections of Central America, with 2,500-6,500 mm of annual rainfall (occurring throughout the year), consistently warm temperatures, and high humidity. Alternatively, the Pacific lowlands and interior of Honduras have pronounced wet and dry seasons, with rain shadow effects associated with various mountain ranges. The rainy season commences in May or June and extends to November, followed by a markedly severe dry season. In both the Caribbean and Pacific lowlands, the average daytime temperatures are 28-33°C. The average temperature in the interior *Serranía* habitats (see Carr 1950) decreases with elevation and reaches highs of 30°C during the warmest months with 25°C during the coolest month. In montane areas, daytime temperatures range from 16-25°C with frost occurring occasionally above 2,000 m. At higher elevations, dense pine-oak forests predominate.

Ratcliffe and Cave (2006a) reviewed the different forest types of Mesoamerica, detailing more than 20 life zones found in El Salvador, Honduras and Nicaragua alone. In Honduras, there are six general forest types based on the Holdridge System (Holdridge 1967) that vary according to climate, associated vegetation and elevation. These include the montane broadleaf forest, montane pine-oak forest, tropical dry broadleaf forest, lowland broadleaf rain forest, lowland pine forest, and mangrove forest. These forest types vary with elevation and many unique microhabitats occur throughout Honduras. The forests in the Pico Bonito area are fragmentary with a mixture of primary and secondary rainforests including montane broadleaf, lowland broadleaf and pine forests. Montane broadleaf forest is characteristic of the intermediate and higher elevations of Pico Bonito National Park, with canopy trees at 25-30 m and an upper layer comprised of *Quercus* that may reach 50 m. Buttressed trees are common with tree ferns (Cyatheaceae) common in the understory. Palms are uncommon but species of Ericaceae and Melastomataceae are abundant as well as a number of epiphytes (gesneriads, aroids, bromeliads, orchids) and mosses covering rocks and tree trunks or limbs. Lower elevations in the park are dominated by lowland broadleaf forest, with a notable transition to palms and hardwoods with Magnoliaceae more frequently encountered.



## Parque Nacional Pico Bonito and La Ceiba Vicinity

Our primary field site thus far is Parque Nacional Pico Bonito, with boundaries extending within both Atlantida and Yoro departments. It is part of the Sierra Nombre de Dios, which runs parallel to the northern (Caribbean) coast. Located to the west of La Ceiba, this is the second largest national park in Honduras, comprised of 1,314 km<sup>2</sup> and named for its third highest peak (Pico Bonito, 2436 m). However, there are two higher peaks in the park within the largely unexplored core area of 500 km<sup>2</sup>, currently off limits for hiking. The rugged terrain is rocky with dense forests, rivers, waterfalls and abundant wildlife, including various mammals, a diverse herpetofauna and a very extensive avifauna (Perlo 2006). At lower elevations, the vegetation is tropical: mainly a mixture of sub-montane broadleaf evergreen forest of low to intermediate height with the canopy trees reaching 25-30 m. In some lowland areas, the landscape is dominated by agriculture with pineapple and oil palm as principal crops. However, there are areas with lush vegetation at lower elevations of the mountains that have been preserved.

## History of Biodiversity Studies on Lepidoptera in Mesoamerica

Although Linnaeus, Walker, Butler, Schaus, Druce, and others described Lepidoptera from Central America in their respective works, it is the extraordinary work of Godman and Salvin (1877, 1878a,b,c, 1879-1901, 1889) which forms the basis for the Lepidoptera known at the time with descriptions of new species and superb illustrations. In their introduction, Godman (1901) summarized the various areas collected in each country and documented the primary collecting localities and/or those associated with each major collection, as in the case of Schaus. They noted the topography and major mountain ranges in each country and provided a general idea of the height of major summits, gave information on the location of the principal forests, and also recorded locations and conditions of the plains and drier areas. It is rather interesting that their description of Honduras is very limited, mentioning that the “general aspect of the country is varied by mountains and hills radiating from the common base of the Cordilleras...From the Pacific, it presents the appearance of a great natural wall, with a lower range of mountains bristling with volcanic peaks.” They state further that “the greater part of the country is well watered and extensive forests are said to exist in the interior, which, however, is but imperfectly known.”

Despite the expanse of time that has passed since Godman and Salvin, our voucher-based knowledge of the Lepidoptera fauna of Honduras remains incomplete and fragmentary at best. Within the last forty years, great advances have been made in recording distributions of Lepidoptera in other Mesoamerican countries surrounding Honduras. Austin et al. (1996) produced a checklist of butterflies of the Tikal National Park area, Guatemala, and Austin et al. (1998) and Barrios et al. (2006) inventoried the Hesperidae of Guatemala. Salinas-Gutiérrez et al. (2009) published a historical synopsis of Lepidoptera collecting in Guatemala and summarized the current knowledge of species records and analyses of the Papilionoidea based on collection records, literature, fieldwork, and databases. Other recent studies have provided extensive information on the Lepidoptera fauna of southern Mexico and the Yucatan Peninsula (Pozo et al. 2003, 2008).

For Belize, Barnes (2002) has provided numerous moth records and images, and Meerman and Boomsma (1993) produced an initial checklist of butterflies. The latter was subsequently expanded by Meerman (1999). For the past 15 years, John Shuey and colleagues have been involved in studies on the biodiversity and conservation of the butterflies of the Rio Bravo Conservation and Management Area and other regions in Belize, resulting in many new butterfly records for the country. Shuey et al. (2005) reported 85 new national records for butterflies. Distributional information for Lepidoptera in El Salvador is limited, with an annotated list of the Hesperidae of the country (Steinhauser 1975) being the only comprehensive faunal survey. Jean-Michel Maes (Museo Entomologico, Leon ) and colleagues have been completing various inventories of insects in Nicaragua over the last 15 years with recent publications on the Papilionidae (Maes 2006), Pieridae (Maes 2007), and Hesperidae (Anderson 2007).

Many studies have been completed on the Lepidoptera of Costa Rica. Based on fieldwork throughout Costa Rica, DeVries (1983, 1987, 1997) produced two excellent illustrated volumes on butterflies,

including detailed information on the distribution, life history, ecology, behavior and diversity of Costa Rican Papilionidae, Pieridae, Nymphalidae and especially Riodinidae (DeVries et al. 1994). More recently, Chacon and Montero (2007) published an introduction to the diversity of the Costa Rican Lepidoptera fauna, with descriptions of key characters for the identification of families, both immatures and adults. Janzen and Hallwachs (2010) have continued to improve our knowledge of Costa Rican Lepidoptera through mass rearings of many species in the Area de Conservación Guanacaste, including biological notes and illustrations of larval foodplants, immatures and adults. Janzen, Hallwachs and collaborators have combined molecular techniques with traditional morphological and ecological studies to identify a number of potentially new taxa (e.g., Burns and Janzen 2001, 2005a,b; Hebert et al. 2004; Burns et al. 2007, 2008; Janzen et al. 2009).

Although the diversity of plants in Honduras is relatively well known (Molina 1975; Sutherland 1986, 1996; Davidse et al. 1994, 1995, 2009), the Lepidoptera fauna of Honduras is the least known of any Mesoamerican country. Monroe et al. (1967) published the first list of the Papilionoidea of Honduras, followed by a list of HesperIIDae by Monroe and Miller (1967). Fieldwork for these studies was restricted to areas near San Pedro Sula, from Tela along the northern coast, southeast to areas north of Tegucigalpa, with two collecting sites in the Department of Choluteca. Subsequent to these publications, there are scattered records from Honduras in revisionary studies completed by Miller (1972, 1974, 1976), Jenkins (1983, 1984, 1985a,b, 1986, 1989, 1990), Hall (1999), Willmott (2003) and many others. Hall noted Honduran records for five taxa of *Theope* Doubleday (Riodinidae). Willmott recorded 20 species of *Adelpha* Hübner (Nymphalidae) from Honduras in museum collections throughout the world; based on information derived from countries surrounding Honduras, he expected a total of 32 *Adelpha* species for the country. Warren et al. (2011) list and figure essentially all described Mesoamerican butterfly taxa, including all taxa known from Honduras, and provide images of live and pinned specimens from Honduras and surrounding countries.

Recent publications on Honduran moths have involved agricultural pests such as *Spodoptera* Guenée (Escribano et al. 2000a,b) and other members of the Noctuoidea (Gregory 1987; Sponagel and Díaz 1994; Cave 1992; Caballero et al. 1994; Ovalle and Cave 1989). Passoa worked in Honduras for a few years and produced several papers describing the hosts and immature stages for various moth taxa (Eichlin and Passoa 1983; Passoa 1982, 1983, 1985, 1991; Passoa and Habeck 1987; Passoa and Steinly 1992). Studies by Solis on the mahogany webworm (Howard and Solis 1989) and a pest of avocados (Solis and Styer 2003) have included data on immature stages of economically important Honduran Pyraloidea. Recent revisionary studies and catalogues on Pterophoridae (Gielis 2003, 2006), Pyraloidea (Munroe et al. 1995), Tortricidae (Brown 1996; Brown et al. 2005; Heppner 1995, 1996; Razowski 1986; Razowski and Becker 2007), Limacodidae (Epstein and Corrales 2004), Notodontidae (Thiaucourt 2002, 2007, 2008; J. S. Miller 2009a,b), and Arctiinae (de Toulgoët 1996, 1997) suggest that there should be additional species of those families represented in Honduras. Lehman (1971) published an initial list of the Sphingidae known from Honduras. Samayoa and Cave (2008) published an updated list for this family in Honduras, documenting 107 species. This publication increased the Honduran representation within the family by 33%, with new records represented in three subfamilies: Macroglossinae (80), Sphinginae (22), and Smerinthinae (5).

In 1996, Dr. Ronald Cave, then of Escuela Agricultura Panamerica en Zamorano (EAPZ), initiated a major project to survey all insects in the protected forests of the Pico Bonito National Park and in other areas of the Sierra Nombre de Dios. This collection has been completely databased and is deposited in the Collection of Arthropods at EAPZ. Cave subsequently collaborated with Ratcliffe on revisionary studies of Mesoamerican Scarabaeidae (Ratcliffe 2000, 2001, 2003; Ratcliffe and Cave 2002, 2006a,b, 2008). Although major progress has been made, a comprehensive voucher-based inventory of the Lepidoptera within Honduras has not been completed. Among us, author Robert Lehman has been a resident and collected in and around La Ceiba for many years. His specimens, in part at the National Museum of Natural History, Washington, DC (USNM) and in the Museo de Mariposas, La Ceiba (RLMM), together with material at EAPZ, have comprised the most complete representation of the Honduran Lepidoptera fauna to date. Both EAPZ and RLMM are strongest in macrolepidoptera holdings. The microlepidopteran fauna of Honduras has, however, remained relatively unsampled and unstudied. Even within macrolepidoptera, for butterflies there has not been an updated species list for Honduras in almost a half a century (Monroe et al. 1967, Monroe and Miller 1967).

Our knowledge of the life history, ecology, and biogeography of Honduran Lepidoptera is woefully inadequate, compared to recent publications and information currently available on websites covering adjacent countries. Given the massive deforestation occurring throughout Mesoamerica on a daily basis (Tucker et al. 2005), we urgently need to improve our knowledge of the diversity and distribution of Lepidoptera species here before we miss the opportunity, especially with regard to potential endemic and key bioindicator species. The provisional list presented below is far from complete; however, we feel this is an important first step in establishing a foundation for our continuing inventory of the Lepidoptera of Honduras.

### Acronyms and Museum Codens

Along with references to the authors by initials [JYM, DLM, TCE, CVC, RL], numerous institutional and locality acronyms are used in the text and list below. Four letter museum codens are: **EAPZ** = Escuela Agricultura Panamerica in Zamorano, Honduras; **MGCL** = McGuire Center for Lepidoptera and Biodiversity, Florida Museum of Natural History, University of Florida, Gainesville; **USNM** = National Museum of Natural History, Washington, DC; **RLMM** = Robert Lehman's Museo de Mariposas y Insectos, La Ceiba, Honduras. The following locality acronyms are also used in the text and list: **PBL** = The Lodge at Pico Bonito, La Ceiba, Honduras; **CURLA** = reserve property of Parque Nacional Pico Bonito managed by Centro Universitario Regional del Litoral Atlantico, Honduras; **ER** = The Honduran Emerald Hummingbird Reserve, Rio Aguan Valley, Olanchito, Honduras; **KC** = The Kellogg Center at Zamorano, EAPZ; **UYUCA** = Uyuca biological reserve of EAPZ; **CA** = Parque Nacional Cerro Azul, Meambar, Honduras. Reference is likewise made to records based on type localities [TL] and species included based on type localities of their current junior synonyms [TLS].

### Methods

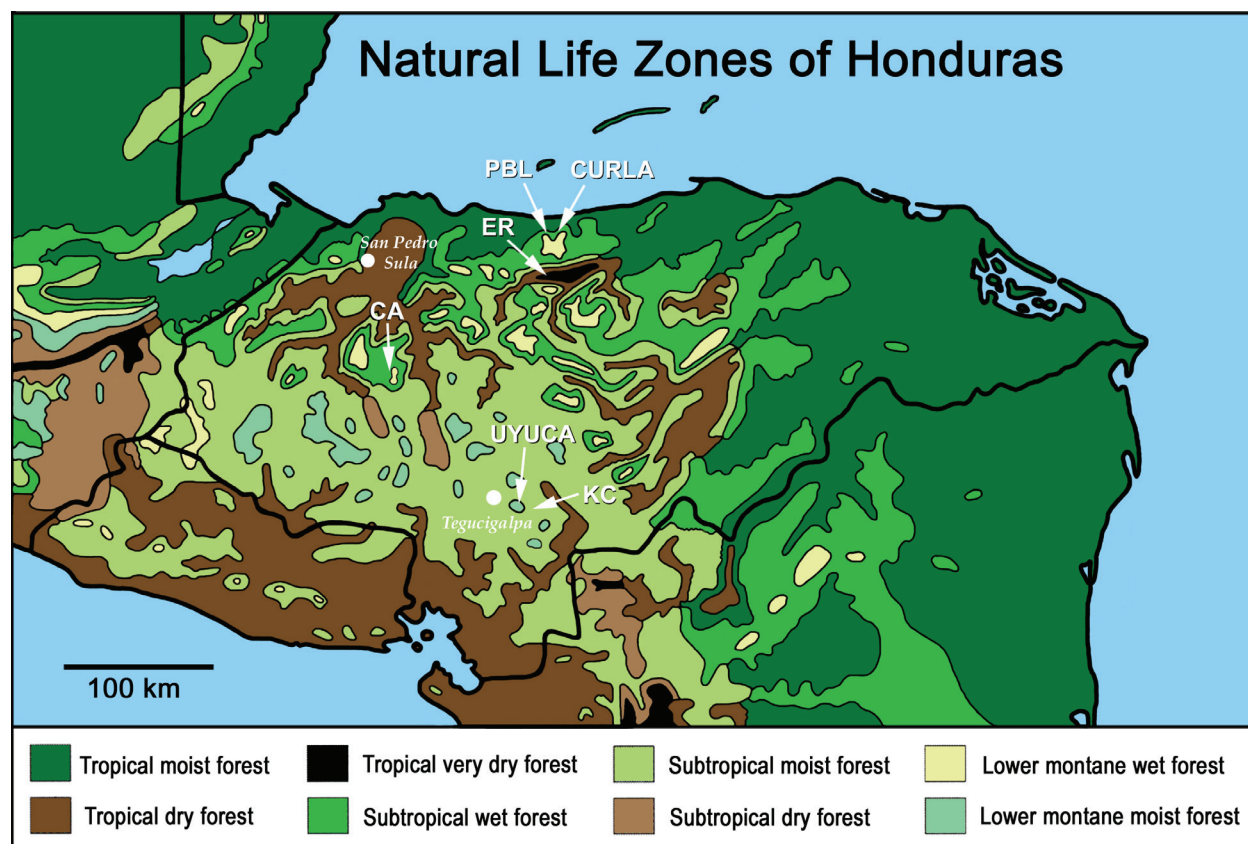
In June, 2009, a project was initiated by MGCL to survey the butterflies and moths along the northern coast of Honduras, concentrating in the area of Parque Nacional Pico Bonito. Primary collection sites include habitats in the vicinity of the Lodge at Pico Bonito, Estación CURLA, and the Emerald Hummingbird Reserve, in the Rio Aguan Valley south of Pico Bonito (Map 1). Six trips to the area were made by MGCL staff, students, and field associates, with five trips in 2009-2010 devoted to collecting activities. Results of collecting trips are summarized in the present list by month and year. These included an initial collection based trip (23–30 June, 2009) by JYM and DLM with collections and/or species observed at the Kellogg Center of the EAPZ campus, Uyuca biological reserve of EAPZ, Parque Nacional Cerro Azul Meambar, and the Lodge at Pico Bonito. A second trip (9–16 November 2009) by JYM and DLM with two students was made to PBL and included surveys at CURLA with RL. A third trip (4–16 May 2010) by JYM and DLM with seven students/associates was made to PBL with additional collections at CURLA. Two trips were made in June (12–20 June 2010) by TCE and eight students/associates and (24–30 June 2010) by CVC and eight students/associates. The latter trip, led in conjunction with Forum Herbulot VI at MGCL, focused on the Geometridae. A subsequent trip (7–15 August 2010) by JYM and DLM and five associates included collecting at PBL, CURLA, and ER.

Our principal collecting site, PBL (N 15° 41' 48.00" W 86° 54' 04.40"), is located near the base of the mountains adjacent to Parque Nacional Pico Bonito at about 300 m (Fig 1). The property is bordered on the east and west by two rivers, Rio Corinto and Rio Coloradito, and consists of a 400 acre preserve with lowland tropical wet forest as well as coffee, cacao, banana and citrus groves. The CURLA reserve (N 15° 42' 07.00" W 86° 51' 16.00") is located to the east of PBL and includes areas of pristine primary tropical forest. In contrast, ER (N 15° 25' 44.00" W 86° 53' 45.57") is located about 24 km due south of PBL in the rain shadow of the Sierra Nombre de Dios. This small reserve, part of a Honduran army military base, consists of tropical dry forest characterized by thorny scrub vegetation, unique with both cactus and orchids growing together and specialized nectar plants such as *Pedilanthus* Neck. ex. Poit. (Euphorbiaceae), which support one of the few populations of the endemic and endangered Honduran emerald hummingbird, *Amazilia luciae* (Lawrence).

Sampling methods involved hand collecting with nets as well as visual identification of easily identifiable diurnal species, bait traps containing fermenting fruit, and nightly collections at white



sheets illuminated by mercury vapor lamps or ultraviolet lights. While night collecting has thus far been at low elevations (< 500 m), collecting at PBL was especially productive with mercury vapor lights set at the top of a four-story bird observation tower in view of the Rio Coloradito and surrounding mountains. All specimens were pinned, spread, and labeled, and deposited at MGCL with voucher specimens also deposited at EAPZ and USNM. Legs have been removed from selected specimens for subsequent DNA extraction and analysis. Tissue samples are stored at the Genetic Resources Repository at the Florida Museum of Natural History.



**Map 1.** Natural Life Zones of Honduras (modified from Ratcliff and Cave 2006a, with permission) showing forest types and location of collection/observation sites. See text above for location acronyms.

Specimens were identified based on comparison with identified reference material at USNM, MGCL, and EAPZ, as well as types or type images, primary literature accounts included in revisionary studies, and older literature such as Cramer (1775-1782), Godman and Salvin (1879-1901), Seitz ([1907]-1924), Hampson (1898-1913, 1914, 1920), Druce (1881-1900, 1888), Walsingham (1915), and more recent works such as Lemaire (1971, 1973, 1974, 1978, 1980, 1988, 2002). Several internet websites have been especially helpful with nomenclature and in obtaining initial identifications and corroborating determinations. Some examples of these include: Warren et al. (2011), Moth Photographers Group (2011), Janzen and Hallwachs (2010), Barcode of Life Data Systems (2011), Lahousse (2011), Barnes (2002), Smithsonian Institution (2011), Nuss et al. (2003-2011), and Phillips (2001).

In addition to records resulting from recent collecting efforts, Honduran species found in primary literature and collection records of EAPZ, USNM, MGCL, and RLMM are incorporated into the present list. Examples of general literature accounts yielding numerous records and type locality references include Druce (1881-1900), Kirby (1892), Schaus (1920) and Walker (1854-1866), and some examples of works focused on particular taxa with multiple records included Davis (1964), Pitkin (1993, 1996), Poole (1987, 1989), Powell (1973), Scoble (1999) and numerous others.



**Figure 1.** Parque Nacional Pico Bonito, Pico Bonito Lodge and vicinity. **a)** Canopy adjacent to Rio Coloradito. **b)** Canopy vegetation. **c)** View of forested range and lowland vegetation. **d)** Rio Coloradito. Figures a-c) 28 June 2009; d) 13 November 2009.

### Annotated List of Honduran Lepidoptera

The provisional species list presented in table format below is a product of our ongoing biodiversity inventory. Additional taxa are expected in future field surveys. Each taxon is annotated to indicate the source of voucher specimens, sight or collection locality records, or type localities using the acronyms and codens listed above. Taxa included without annotations are based on records found in the literature. Nomenclature and systematic arrangement for butterflies generally follow Warren et al. (2011), Pelham (2008), and/or Lamas (2004). Nomenclature and systematic arrangement for the moths generally follows or is adapted from recent revisionary works and checklists including Lafontaine and Schmidt (2010) for Noctuoidea, Watson and Goodger (1986) for Arctiinae, Scoble (1999) for Geometroidea, and the *Atlas of Neotropical Lepidoptera* series (Heppner 1984, 1995, 1996) for Pyraloidea and other groups. While we are aware of conflicting nomenclature with the ongoing systematic research of colleagues, our list includes names, subfamilial, and tribal assignments based on published works only. Collection or sight records from recent surveys are marked with an “x” for each species in columns to the right of the name according to the month and year: **1)** 06/2009, **2)** 11/2009, **3)** 05/2010, **4)** 06/2010, **5)** 08/2010. Author names are spelled out except in one case (F. M. Brown [FMB]) where it was necessary to use initials to maintain the single line format of the row. Subfamilial and tribal names are included in taxa where this facilitates the understanding of the ordering of the list.



	1	2	3	4	5
<b>--- HEPIALOIDEA ---</b>					
<b>HEPIALIDAE</b>					
<i>Druceiella</i> sp. PBL			x		
<b>--- TINEOIDEA ---</b>					
<b>PSYCHIDAE</b>					
<i>Cryptothelea symmicta</i> (Dyar, 1914)					
<i>Cryptothelea gloverii</i> (Packard, 1869)					
<i>Oiketicus geyeri</i> Berg, 1877					
<i>Oiketicus kirbyi</i> Guilding, 1827					
<i>Oiketicus</i> sp. PBL			x		
<b>ARRHENOPHANIDAE</b>					
<i>Arrhenophanes perspicilla</i> (Stoll, 1790) PBL			x	x	
<b>ACROLOPHIDAE</b>					
<i>Acrolophus</i> spp. EAPZ, PBL	x			x	x
<b>--- GRACILLARIOIDEA ---</b>					
<b>GRACILLARIIDAE</b>					
<i>Phyllocnistis citrella</i> Stainton, 1856 EAPZ					
<b>--- YPONOMEUTOIDEA ---</b>					
<b>YPONOMEUTIDAE</b>					
<i>Atteva aurea</i> (Fabricius, 1798) PBL			x		
<b>PLUTELLIDAE</b>					
<i>Plutella xylostella</i> (Linnaeus, 1758) PBL, EAPZ	x				
<b>HELIODINIDAE</b>					
<i>Aetole bella</i> Chambers, 1875					
<b>LYONETIIDAE</b>					
<i>Perileucoptera coffeella</i> (Guérin-Méneville, 1842) EAPZ					
<b>--- GELECHIOIDEA ---</b>					
<b>ELACHISTIDAE</b>					
<i>Ethmia catapeltica</i> Meyrick, 1924 or nr. PBL	x	x	x		x
<i>Ethmia lichyi</i> Powell 1973 TL					
<i>Ethmia perpulchra</i> Walsingham, 1912					
<i>Ethmia scythropa</i> Walsingham, 1912					
<i>Ethmia similatella</i> Busck, 1920					
<i>Ethmia unguulatella</i> Busck, 1914 PBL	x	x	x		x
<i>Stenoma catenifer</i> Walsingham, 1912 EAPZ					
<i>Stenoma exarata</i> (Zeller, 1854) PBL		x			
<i>Stenoma impressella</i> (Busck, 1914) PBL		x			
<i>Stenoma patens</i> Meyrick, 1913 PBL	x	x	x	x	
<b>GLYPHIDOCERIDAE</b>					
<i>Glyphidocera</i> sp. 1 PBL	x	x			
<i>Glyphidocera</i> sp. 2 PBL		x			
<i>Glyphidocera</i> sp. 3 PBL		x			
<i>Glyphidocera</i> sp. 4 PBL		x			
<b>OECOPHORIDAE</b>					
<i>Cerconota anonella</i> (Sepp, 1830) EAPZ					
<i>Antaeotricha cosmoterma</i> (Meyrick, 1930) PBL	x	x			
<i>Antaeotricha particularis</i> (Zeller, 1877) PBL	x	x			
<i>Antaeotricha</i> spp. 1-5 PBL	x	x	x		x



<b>COLEOPHORIDAE</b>					
<b>Blastobasinae</b>					
<i>Blastobasis</i> sp. PBL	x	x			
<b>COSMOPTERIGIDAE</b>					
<i>Pyroderces badia</i> (Hodges, 1962) EAPZ					
<i>Pyroderces rileyi</i> (Walsingham, 1882) EAPZ					
<b>GELECHIIDAE</b>					
<i>Keiferia lycopersicella</i> (Walsingham, 1897) EAPZ					
<i>Phthorimaea operculella</i> (Zeller, 1873) EAPZ					
<i>Sitotroga cerealella</i> (Oliver, 1789) EAPZ					
<i>Trichotaphe arotrosema</i> (Walsingham, 1911) PBL		x	x		
<b>--- ZYGAENOIDEA ---</b>					
<b>MEGALOPYGIDAE</b>					
<i>Aithorape</i> sp. PBL		x	x	x	x
<i>Macara nigripes</i> (Dyar, 1909) PBL			x		
<i>Megalopyge albicollis</i> (Walker, 1855) PBL		x		x	x
<i>Megalopyge lanata</i> (Cramer, 1780) PBL			x		
<i>Megalopyge opercularis</i> J.E. Smith, 1797 PBL		x	x		x
<i>Megalopyge</i> sp. PBL					x
<i>Mesoscia dumilla</i> Dyar, 1913 PBL		x	x	x	x
<i>Mesoscia pusilla</i> (Stoll, 1782)					
<i>Podalia contigua</i> (Walker, 1886) PBL			x		
<i>Podalia orsilochia</i> (Cramer, 1775) PBL			x		
<i>Podalia tympania</i> (Druce, 1897) or nr. PBL		x	x		
<i>Trosia nigropunctigera</i> (Fletcher, 1982) PBL		x	x	x	x
<b>LIMACODIDAE</b>					
<i>Acharia horrida</i> (Dyar, 1905) PBL	x	x			x
<i>Euclea bidiscalis</i> Dyar, 1926 PBL		x			x
<i>Euclea mesoamericana</i> Epstein and Corrales, 2004, PBL					x
<i>Euclea</i> sp. 1 PBL			x		x
<i>Euclea</i> sp. 2 PBL	x	x			x
<i>Miresa clarissa</i> (Stoll, 1790)					
<i>Natada cecilia</i> Corrales and Epstein, 2000					
<i>Natada confusa</i> Corrales and Epstein, 2003					
<i>Natada fusca</i> (Druce, 1887) PBL		x	x	x	x
<i>Parasa minima</i> Schaus, 1892 PBL					x
<i>Parasa joanae</i> Epstein, 2004 PBL				x	
<i>Parasa viridogrisea</i> Dyar, 1898 PBL		x			x
<i>Perola invaria</i> (Walker, 1855) TL					
<i>Perola sericea</i> (Möschler, 1878) PBL		x	x		
<i>Phobetron hipparchia</i> (Cramer, [1777]) EAPZ					
<i>Prolimacodes undifera</i> (Walker, 1855) TL					
<i>Prolimacodes triangulifera</i> Schaus, 1896 PBL			x	x	x
<i>Semyra finita</i> Walker, 1855 PBL	x		x		x
<i>Talima aurora</i> Dyar, 1926 PBL		x			
<i>Talima postica</i> Dyar, 1926 PBL		x			
<b>DALCERIDAE</b>					
<i>Acraga coa</i> (Schaus, 1892) EAPZ					
<i>Acraga</i> sp. PBL	x				x

<i>Dalcerides alba</i> (Druce, 1887) PBL		x			
<i>Dalcerides mesoa</i> (Druce, 1887) PBL		x		x	x
<i>Dalcerides</i> sp. PBL			x		x
<i>Paracranga argentea</i> (Schaus, 1910)					
<b>ZYGAENIDAE</b>					
<i>Harrisina mystica</i> (Walker, 1854) TL					
--- COSSOIDEA ---					
<b>COSSIDAE</b>					
<i>Aramos ramosa</i> (Schaus, 1892) PBL			x	x	x
<i>Biocellata alfarae</i> (Schaus, 1911) PBL	x		x		
<i>Brypocitia strigifer</i> (Dyar, 1910) PBL			x		x
<i>Cossula arpi</i> Schaus, 1901 PBL			x		
<i>Cossula tacita</i> (Druce, 1898)					
<i>Givira basiplaga</i> (Schaus, 1905) PBL			x		
<i>Givira daphne</i> Druce, 1901 PBL			x		
<i>Givira juturna</i> (Schaus, 1892) PBL		x	x		
<i>Givira modisma</i> Schaus, 1921 PBL			x		
<i>Inguromorpha sandelphon</i> (Dyar, 1912) PBL			x		
<i>Langsdorfia lunifera</i> Dyar, 1937 PBL		x			x
<i>Morpheis cognata</i> (Walker, 1856) TL					
<i>Morpheis comisteon</i> Schaus, 1911 PBL			x		x
<i>Morpheis pyracmon</i> (Cramer, 1780) PBL				x	x
--- SESIOIDEA ---					
<b>SESIIDAE</b>					
<i>Carmenta mimosa</i> Eichlin and Passoa, 1983 TL					
<i>Sophona hondurasensis</i> Eichlin, 1986 TL					
<i>Melittia cucurbitae</i> Harris, 1828 EAPZ					
<b>CASTNIIDAE</b>					
<b>Castniinae</b>					
<i>Telechin atymnius futilis</i> (Walker, 1856) PBL, EAPZ, CURLA	x			x	x
<i>Amauta cacica procera</i> (Boisduval, [1875]) RLMM, EAPZ					
<i>Athis i. inca</i> (Walker, 1854) EAPZ					
<i>Athis clitarcha</i> (Westwood, 1877) EAPZ, RLMM					
<i>Divana d. diva</i> (Butler, [1870]) PBL, RLMM			x		
<i>Telechin licus</i> (Drury, 1773) RLMM, EAPZ					
--- CHOREUTOIDEA ---					
<b>CHOREUTIDAE</b>					
<i>Brenthia</i> sp. PBL					x
<i>Hemerophila tristis</i> (Felder and Rogenhoffer, 1875) or nr. PBL			x		
<i>Tortyra</i> sp. PBL				x	
--- TORTRICOIDEA ---					
<b>TORTRICIDAE</b>					
<i>Mictopsichia cubae</i> Razowski, 2009 PBL, CURLA	x	x			
<i>Aethesoides hondurasica</i> Razowski, 1986 TL					
<i>Amorbia productana</i> (Walker, 1863) TL					
<i>Cydia semicirculana</i> (Walker, 1863) TL					
<i>Eugnosta emarcida</i> (Razowski and Becker 1986) TL					
<i>Eugnosta fraudulenta</i> Razowski and Becker 2007					
<i>Icteralaria idiochroma</i> J.W. Brown, 1996					

<i>Mimeugnosta particeps</i> Razowski, 1986 TL					
<i>Platynota rostrana</i> (Walker, 1863)					
<i>Rhyacionia frustrana</i> (Comstock, 1880)					
<i>Sparganothina anopla</i> B. Landry, 2001 TL					
<i>Pseudatteria volcanica</i> (Butler, 1872) CURLA				x	
<b>--- ALUCITOIDEA ---</b>					
<b>ALUCITIDAE</b>					
<i>Alucita</i> sp. PBL	x	x	x	x	
<b>--- PTEROPHOROIDEA ---</b>					
<b>PTEROPHORIDAE</b>					
<i>Ochyrotica</i> sp. PBL					x
<i>Leptodeuterocopus</i> sp. PBL					x
<i>Anstenoptilia marmarodactyla</i> (Dyar, [1903])					
<i>Stenoptilodes brevipennis</i> (Zeller, 1874) PBL, EAPZ	x				x
<i>Amblyptilia landryi</i> Gielis, 2006 TL					
<i>Lioptilodes albistriolatus</i> (Zeller, 1877) EAPZ					
<i>Michaelophorus dentiger</i> (Meyrick, 1916)					
<i>Michaelophorus nubilus</i> (Felder and Rogenhoffer, 1875) PBL	x	x	x		x
<i>Sphenarches anisodactylus</i> (Walker, 1864) PBL					x
<i>Megalorhipida dulcis</i> (Walsingham, 1915)					
<i>Megalorhipida leucodactylus</i> (Fabricius, 1794)					
<i>Hellinsia</i> sp. 1 UYUCA	x				
<i>Hellinsia</i> sp. 2 PBL			x		x
<i>Hellinsia</i> sp. 3 PBL			x		x
<i>Adaina beckeri</i> Gielis, 1992 PBL		x			
<i>Adaina ipomoeae</i> Bigot and Etienne, 2009 PBL					x
<i>Adaina simplicius</i> (Grossbeck, 1917) PBL			x		
<b>--- HYBLAEOIDEA ---</b>					
<b>HYBLAEIDAE</b>					
<i>Hyblaea puera</i> (Cramer, 1777)					
<b>--- PYRALOIDEA ---</b>					
<b>CRAMBIDAE</b>					
<b>Crambinae</b>					
<i>Microcausta</i> sp. PBL		x			
<i>Argyria centrifugens</i> Dyar, 1914 PBL	x	x	x		
<i>Argyria</i> sp. KC, EAPZ	x				
<i>Myelobia smerintha</i> Hübner, [1821] PBL		x			
<i>Fissicrambus minuellus</i> (Walker, 1863) TL					
<i>Tortriculladia</i> sp. PBL	x	x	x		
<i>Tortriculladia eucosmella</i> (Dyar, 1914) PBL					
<i>Microcrambus pusionellus</i> (Zeller, 1863) PBL			x		
<i>Microcrambus tactellus</i> (Dyar, 1914) PBL			x		
<i>Microcramboides meretricellus</i> (Schaus, 1913) PBL	x				x
<i>Diatraea lineolata</i> (Walker, 1856) EAPZ					
<i>Diatraea saccharalis</i> (Fabricius, 1794) EAPZ, TLS					
<i>Parapediasia tenuistrigata</i> (Zeller, 1881) PBL	x	x			
<b>Schoenobiinae</b>					
<i>Proschoenobius subcervinellus</i> (Walker, 1863) TL					
<i>Rupela albina</i> Becker and Solis, 1990 EAPZ					

<b>Glaphyriinae</b>					
<i>Hellula phidilealis</i> (Walker, 1859) EAPZ					
<i>Aethiophysa dimotalis</i> (Walker, [1866]) TL					
<i>Cosmopterosis spatha</i> Solis, 2009 PBL	x		x		
<i>Lipocosma calla</i> (Kaye, 1901) PBL					x
<i>Pseudoligostigma enareralis</i> (Dyar, 1914) PBL		x			
<i>Dicymolomia metalophota</i> (Hampson, 1897) PBL	x				
<i>Schacontia ysticalis</i> (Dyar, 1925) PBL	x				
<b>Musotiminae</b>					
<i>Neurophyseta camptogrammalis</i> Hampson, 1912 PBL			x		
<i>Undulambia polystichalis</i> Capps, 1965 PBL					x
<b>Midilinae</b>					
<i>Midila centralis</i> Munroe, 1970 PBL		x	x		
<i>Midila d. daphne</i> (Druce, 1895) PBL					x
<i>Disimidila drepanoides</i> Monroe, 1970 PBL		x			
<i>Disimidila atoca</i> Dyar, 1914 PBL	x	x			
<i>Disimidila</i> sp. PBL					x
<b>Acentropinae</b>					
<i>Aulacodes aechmialis</i> Guenée, 1854 KC	x				
<i>Aulacodes</i> sp. 1 PBL					x
<i>Aulacodes</i> sp. 2 PBL			x		x
<i>Parapoynx endoralis</i> (Walker, 1859) TL					
<i>Chrysendeton romanalis</i> (Druce, 1896) PBL		x			
<i>Argyractoides</i> nr. <i>lucianalis</i> (Schaus, 1924) PBL		x	x		
<i>Argyractoides leucogonialis</i> (Hampson, 1906) or nr. PBL			x		x
<i>Argyractoides</i> sp. PBL		x	x		x
<i>Neargyractis</i> sp. PBL		x	x		x
<i>Usingeriessa onyxalis</i> (Hampson, 1897) PBL					x
<i>Petrophila mignonalis</i> (Dyar, 1914) PBL	x	x	x		x
<i>Petrophila iolepta</i> (Dyar, 1914) PBL		x			
<i>Petrophila argyrolepta</i> (Dyar, 1914) PBL	x	x	x		x
<i>Petrophila zelota</i> (Dyar, 1914) PBL		x	x		
<i>Petrophila parvissimalis</i> (Schaus, 1912) PBL	x		x		x
<i>Petrophila</i> spp. 1-8 PBL	x	x	x		x
<i>Oxyelophila puralis</i> (Schaus, 1912) PBL		x	x		
<i>Oxyelophila necomalis</i> (Dyar, 1914) PBL		x	x		x
<i>Oxyelophila</i> sp. PBL	x		x		
<b>Odontiinae</b>					
<i>Dicepolia ruftinctalis</i> (Hampson, 1899) PBL			x		
<b>Evergestinae</b>					
<i>Symphysa</i> sp. PBL				x	x
<i>Trischistognatha pyrenealis</i> (Walker, 1859) PBL			x		x
<b>Pyraustinae</b>					
<i>Munroeodes thalesalis</i> (Walker, 1859) TL					
<i>Epicorsia alvilalis</i> Amsel, 1954 PBL		x			
<i>Epicorsia</i> sp. PBL			x		x
<i>Oenobotys vinotinctalis</i> (Hampson, 1895) PBL			x		x
<i>Triuncidia ossealis</i> (Hampson, 1899) PBL	x				
<i>Anania inclusalis</i> (Walker, [1866]) TL					

<i>Aponia minnithalis</i> (Druce, 1895) PBL					x
<i>Pyrausta insignitalis</i> (Guenée, 1854) TLS					
<i>Pyrausta bicoloralis</i> (Guenée, 1854) PBL			x		
<i>Hyalorista limasalis</i> (Walker, 1886) TL					
<i>Hyalorista taeniolalis</i> (Guenée, 1854) PBL			x		
<i>Portentomorpha xanthialis</i> (Guenée, 1854) PBL		x			
<b>Spilomelinae</b>					
<i>Phaedropsis chromalis</i> (Guenée, 1854) PBL		x			
<i>Phaedropsis maritzalis</i> (Schaus, 1920) PBL		x	x		x
<i>Lygropia acastalis</i> (Walker, 1859) TL					
<i>Lypotigris reginalis</i> (Cramer, 1781) PBL				x	
<i>Microthyris anormalis</i> (Guenée, 1854) PBL		x			
<i>Microthyris prolongalis</i> (Guenée, 1854) PBL			x		
<i>Pantographa expansalis</i> (Lederer, 1863) PBL			x		x
<i>Pantographa suffusalis</i> Druce, 1895 PBL		x			x
<i>Pantographa</i> sp. PBL			x		
<i>Phostria mapetalis</i> (Schaus, 1912) PBL			x		x
<i>Phostria tedeae</i> (Cramer, 1781) PBL			x		x
<i>Phostria</i> sp. PBL		x			
<i>Phrygonodes plicatalis</i> Guenée, 1854 PBL			x		
<i>Syllepte amando</i> (Cramer, 1779) KC	x				
<i>Syllepte dioptalis</i> (Walker, [1866]) TLS					
<i>Syllepte belialis</i> (Walker, 1859) TLS					
<i>Cryptobotys zoilusalis</i> (Walker, 1859) TL					
<i>Herpetogramma salbialis</i> (Hampson, 1899) PBL			x		x
<i>Herpetogramma bipunctalis</i> (Fabricius, 1794) EAPZ					
<i>Herpetogramma cervinicosta</i> (Hampson, 1918) PBL			x		x
<i>Pilocrocis ramentalis</i> Lederer, 1863 PBL	x	x	x	x	
<i>Pilocrocis cryptalis</i> (Druce, 1895) PBL	x				x
<i>Pilocrocis cyranoalis</i> Schaus, 1920 PBL			x		
<i>Pilocrocis</i> sp. PBL		x			
<i>Lineodes triangulalis</i> Möschler, 1890 PBL		x			x
<i>Lineodes fontella</i> Walsingham, 1913 PBL			x		
<i>Lineodes mesodonta</i> Hampson, 1913 PBL	x				x
<i>Lineodes tridentalis</i> Hampson, 1913 EAPZ					
<i>Atomopteryx doeri</i> Walsingham, 1891 PBL		x	x		x
<i>Lamprosema lunulalis</i> Hübner, 1823 PBL		x	x		x
<i>Lamprosema</i> nr. <i>moccalis</i> Schaus, 1920 PBL		x			
<i>Lamprosema cayugalis</i> Schaus, 1920 PBL			x		x
<i>Lamprosema</i> sp. PBL			x		
<i>Neoleucinodes elegantalis</i> (Guenée, 1854) PBL	x	x	x		
<i>Neoleucinodes imperialis</i> (Guenée, 1854)					
<i>Apogeshna stenialis</i> (Guenée, 1854) PBL	x	x	x		x
<i>Apogeshna acestealis</i> (Walker, 1859) TLS					
<i>Blepharomastix coeneusalis</i> (Walker, 1859) TL					
<i>Blepharomastix costaliparilis</i> Munroe, 1995 CURLA, PBL			x		x
<i>Blepharomastix benetinctalis</i> (Dyar, 1914) PBL	x	x	x		x
<i>Desmia albisectalis</i> (Dognin, 1905) PBL	x		x		
<i>Desmia bajulalis</i> Guenée, 1854 PBL		x	x	x	

<i>Desmia cristinae</i> Schaus, 1912 PBL		x	x	x	
<i>Desmia daedala</i> Druce, 1895 PBL		x	x		x
<i>Desmia extrema</i> (Walker, 1856) PBL		x	x		
<i>Desmia odontoplaga</i> Hampson, 1899 PBL		x	x		
<i>Desmia sepulchralis</i> Guenée, 1854 PBL	x				x
<i>Desmia vulcanalis</i> (Felder and Rogenhoffer, 1875) PBL			x		x
<i>Desmia</i> sp. 1 PBL		x	x		x
<i>Desmia</i> sp. 2 PBL			x		
<i>Desmia</i> sp. 3 PBL			x		
<i>Desmia</i> sp. 4 PBL			x		
<i>Sacculosia isaralis</i> (Felder and Rogenhoffer, 1875) PBL		x			
<i>Hymenia perspectalis</i> (Hübner, 1796) PBL	x	x	x	x	x
<i>Spoladea recurvalis</i> (Fabricius, 1775) EAPZ					
<i>Spilomela discordens</i> Dyar, 1914 PBL		x	x	x	x
<i>Spilomela pantheralis</i> (Geyer, 1832) PBL					x
<i>Spilomela</i> sp. PBL					x
<i>Steniodes acuminalis</i> (Dyar, 1914) PBL	x	x	x		
<i>Steniodes mendica</i> (Hedemann, 1894) EAPZ					
<i>Anarmodia nebulosalis</i> Dognin, 1903 PBL	x		x		
<i>Sparagmia g. gonoptera</i> (Latreille, 1828) PBL			x		x
<i>Asturodes fimbriauralis</i> (Guenée, 1854) PBL	x	x	x		x
<i>Diaphania nitidalis</i> (Cramer, 1781) EAPZ, PBL			x		x
<i>Diaphania arguta</i> (Lederer, 1863) PBL					x
<i>Diaphania exclusalis</i> (Walker, [1866]) PBL		x			
<i>Diaphania latilimbalis</i> (Guenée, 1854) PBL		x	x		
<i>Diaphania modialis</i> (Dyar, 1912) PBL		x			
<i>Diaphania hyalinata</i> (Linnaeus, 1767) PBL, EAPZ		x	x		
<i>Diaphania costata</i> (Fabricius, 1794) PBL	x	x	x	x	
<i>Diaphania esmeralda</i> (Hampson, 1899) PBL			x		
<i>Diaphania</i> sp. PBL			x		
<i>Glyphodes rubrocinctalis</i> (Guenée, 1854) TLS, PBL	x		x		x
<i>Glyphodes s. sibillalis</i> Walker, 1859 PBL			x		x
<i>Hoterodes ausonia</i> (Cramer, 1777) PBL		x	x		
<i>Leucochroma</i> sp. nr. <i>corope</i> (Cramer, 1781) PBL			x		
<i>Maruca vitrata</i> (Fabricius, 1787) EAPZ, PBL		x	x	x	x
<i>Omiodes indicata</i> (Fabricius, 1775) EAPZ, PBL			x		x
<i>Omiodes stigmosalis</i> (Warren, 1892) PBL			x		
<i>Omiodes martini</i> Amsel, 1956 PBL		x			
<i>Omiodes martyralis</i> (Lederer, 1863) PBL			x		x
<i>Omiodes simialis</i> Guenée, 1854 PBL					x
<i>Omiodes humeralis</i> Guenée, 1854 PBL		x	x	x	x
<i>Omiodes pandaralis</i> (Walker, 1858) PBL			x		x
<i>Omiodes janzeni</i> Gentili and Solis, 1998 PBL		x			x
<i>Omiodes</i> spp. 1-5 PBL	x	x	x		x
<i>Palpita flegia</i> (Cramer, 1777) PBL					x
<i>Prenesta fenestrinalis</i> (Guenée, 1854) PBL	x	x	x		x
<i>Prenesta scyllalis</i> (Walker, 1859) PBL	x	x	x		x
<i>Synclera jarbusalis</i> (Walker, 1859) PBL			x		x
<i>Synclera chlorophasma</i> (Butler, 1878)					



<i>Agathodes d. designalis</i> Guenée, 1854 PBL			x	x	x
<i>Azochis mactalis</i> (Felder and Rogenhoffer, 1875) PBL					x
<i>Azochis gripusalis</i> Walker, 1859 PBL		x	x	x	x
<i>Compacta hirtalis</i> (Guenée, 1854) TLS					
<i>Megastes grandalis</i> Guenée, 1854 PBL		x			
<i>Megastes</i> sp. PBL		x			
<i>Polygrammodes h. hyalomaculata</i> Dognin, 1908 PBL		x		x	
<i>Polygrammodes rufinalis</i> Hampson, 1899 PBL			x		
<i>Polygrammodes ponderalis</i> (Guenée, 1854) PBL			x		x
<i>Polygrammodes flavidalis</i> (Guenée, 1854) PBL			x		x
<i>Polygrammodes elevata</i> (Fabricius, 1794) PBL			x		
<i>Syngamilyta apicolor</i> (Druce, 1902) PBL			x		
<i>Syngamilyta samarialis</i> (Druce, 1899) PBL			x		
<i>Terastia meticulosalis</i> Guenée, 1854 PBL			x		
<i>Cirrhocephalina brunneivena</i> (Hampson, 1913) PBL			x		
<i>Eulepte concordalis</i> Hübner, [1825] 1826 or nr. PBL		x	x	x	x
<i>Gonocausta zephyralis</i> Lederer, 1863 PBL		x	x		x
<i>Leucochromodes melusinalis</i> (Walker, 1859) PBL		x	x		
<i>Syllepsis hortalis</i> (Walker, 1859) PBL		x	x		x
<i>Ategumia ebulealis</i> (Guenée, 1854) PBL			x		
<i>Ategumia matutinalis</i> (Guenée 1854) PBL		x	x	x	
<i>Ategumia actealis</i> (Walker, 1859) TLS					
<i>Ategumia dilecticolor</i> (Dyar, 1912) PBL		x		x	x
<i>Ategumia</i> sp. PBL			x		x
<i>Epipagis fenestralis</i> (Hübner, 1796) PBL					x
<i>Mimophobetron pyropsalis</i> (Hampson, 1904) PBL					x
<i>Samea multiplicalis</i> (Guenée, 1854) TLS					
<i>Samea nicaeusalis</i> (Walker, 1859) TL					
<i>Samea ecclesialis</i> Guenée, 1854 PBL	x	x	x	x	
<i>Samea delicata</i> Kaye, 1923 PBL					x
<i>Arthromastix lauralis</i> (Walker, 1859) PBL					x
<i>Psara prumnides</i> (Druce, 1895) PBL		x			
<i>Conchylodes salamisalis</i> Druce, 1895 PBL	x	x			x
<i>Conchylodes nolckenialis</i> (Snellen, 1875) PBL	x		x	x	x
<i>Conchylodes arcifera</i> Hampson, 1912 PBL					x
<i>Conchylodes platinalis</i> (Guenée, 1854) PBL		x		x	
<i>Pycnarmon cecinalis</i> (Dognin, 1897) PBL		x	x		
<i>Marasmia cochrusalis</i> (Walker, 1859) PBL		x	x		
<i>Marasmia trapezalis</i> (Guenée, 1854) USNM					
<i>Salbia tytiusalis</i> (Walker, 1859) TL					
<i>Salbia haemorrhoidalis</i> (Guenée, 1854) PBL			x		
<i>Salbia pepitalis</i> (Guenée, 1854) PBL					x
<i>Sufetula diminutalis</i> (Walker, [1866]) TL					
<i>Syngamia florella</i> (Cramer, 1781) EAPZ, PBL	x	x	x		x
<i>Apilocrocis excelsalis</i> (Schaus, 1912) PBL		x	x		
<i>Bocchoropsis plenilinealis</i> (Dyar, 1917) PBL	x	x	x	x	
<i>Coenostolopsis apicalis</i> (Lederer, 1863) PBL	x	x			x
<i>Deuterophysa albilunalis</i> (Hampson, 1913) PBL	x	x	x		x
<i>Dichocrocis clystalis</i> Schaus, 1920 PBL			x		

<i>Dichocrocis tlapalis</i> Schaus, 1920 PBL		x			
<i>Dichocrocis sabatalis</i> (Druce, 1895) PBL		x	x	x	x
<i>Maracayia chlorisalis</i> (Walker, 1859) EAPZ, PBL		x			
<i>Massepha lupa</i> (Druce, 1899) PBL					x
<i>Metoeca foederalis</i> (Guenée, 1854) PBL		x			
<i>Microphysetica hermeasalis</i> (Walker, 1859) PBL	x	x	x		
<i>Nonazochis graphialis</i> (Schaus, 1912) PBL			x		x
<i>Palpusia terminalis</i> (Dognin, 1910) PBL		x			
<i>Palpusia</i> sp. PBL					x
<i>Sisyrcera subulalis</i> (Guenée, 1854) PBL		x			
<i>Trichaea pilicornis</i> Herrich-Schäffer, 1866 PBL			x		x
<i>Trichaea</i> sp. PBL	x	x	x	x	x
<b>PYRALIDAE</b>					
<b>Pyralinae</b>					
<i>Hypsopygia craspedalis</i> (Hampson, 1906) PBL	x	x	x		x
<i>Hypsopygia resectalis</i> (Lederer, 1863) PBL	x				x
<i>Hypsopygia graafialis</i> (Snellen, 1875) PBL		x	x		
<b>Chrysauginae</b>					
<i>Azamora splendens</i> (Druce, 1895) PBL		x		x	
<i>Bonchis munitalis</i> (Lederer, 1863) TLS, PBL		x	x		
<i>Bonchis scoparioides</i> Walker, 1862 PBL		x	x		
<i>Caphys biliniata</i> (Stoll, 1781) TLS, PBL	x	x	x	x	x
<i>Caphys subrosealis</i> (Walker, [1866]) TL					
<i>Carcha hersilialis</i> Walker, 1859 TL					
<i>Carcha violalis</i> Hampson, 1897 PBL		x	x		x
<i>Clydonopteron pomponius</i> Druce, 1895 PBL		x	x		x
<i>Clydonopteron</i> sp. PBL			x		
<i>Dasynema obliquialis</i> (Hampson, 1897) PBL	x	x	x		x
<i>Galasa strenualis</i> Dyar, 1914 PBL	x	x	x		x
<i>Galasa striginervalis</i> Hampson, 1906 PBL	x				x
<i>Galasa</i> sp. 1 PBL		x	x		x
<i>Galasa</i> sp. 2 PBL	x	x			x
<i>Galasa</i> sp. 3 PBL	x				
<i>Hyperparachma bursarialis</i> (Walker, [1866]) TL		x			
<i>Hyperparachma</i> sp. PBL	x	x	x		x
<i>Lophopleura eurzonalis</i> Hampson, 1897 PBL					x
<i>Parachma meterythra</i> Hampson, 1897 PBL	x	x	x		
<i>Salobrena atropurpurea</i> Hampson, 1906 PBL		x			
<i>Salobrena vacuana</i> (Walker, 1863) PBL		x			
<i>Tetrachistis paula</i> Schaus, 1904 PBL	x		x		
<i>Xantippe olivalis</i> Dyar, 1914 PBL	x	x	x		
<i>Zanclodes falcularis</i> Ragonot, 1891 PBL	x		x		
<b>Epipaschiinae</b>					
<i>Accinctapubes albifasiata</i> (Druce, 1902) PBL		x			
<i>Anarnatula sylea</i> (Druce, 1899) PBL	x	x			
<i>Arnatula circumlucens</i> Dyar, 1914 PBL	x	x	x		
<i>Calybitia adolescens</i> (Dyar, 1914) PBL		x			
<i>Carthara albicosta</i> Walker, 1865 PBL	x	x	x		x
<i>Chloropaschia selecta</i> (Schaus, 1912) PBL			x		

<i>Deuterollyta cantianilla</i> (Schaus, 1925) PBL	x		x		
<i>Deuterollyta majuscula</i> Herrich-Schäffer, 1871 PBL					x
<i>Deuterollyta ragonoti</i> Möschler, 1890 PBL	x	x	x		
<i>Epipaschia mesoleucalis</i> (Hampson, 1916) PBL	x	x	x		x
<i>Macalla thyrissalis</i> Walker, [1859] TL, PBL			x	x	
<i>Macalla finstanalis</i> Schaus, 1922 PBL				x	x
<i>Milgithea melanoleuca</i> (Hampson, 1896) PBL			x	x	x
<i>Pandoflabella olivescens</i> (Schaus, 1912) PBL	x			x	x
<i>Phidotricha erigens</i> Ragonot, 1888 PBL, KC			x	x	
<i>Lepidogma modana</i> Schaus, 1922 PBL	x	x			x
<i>Pococera narthusa</i> Schaus, 1913 PBL	x	x	x		
<i>Pococera gelidalis</i> (Walker, [1866]) TL					
<i>Pococera</i> sp. PBL	x	x	x		x
<i>Tallula fovealis</i> Hampson, 1906 PBL	x	x	x		x
<i>Tallula melazonalis</i> Hampson, 1906 PBL			x		
<i>Tancoa crinita</i> (Schaus, 1912) PBL	x				x
<i>Tancoa calitas</i> (Druce, 1899) PBL			x	x	
<i>Tancoa</i> sp. PBL	x			x	x
<b>Phycitinae</b>					
<i>Ectomyelois muriscis</i> (Dyar, 1914) PBL			x	x	x
<i>Difundella</i> sp.					x
<i>Eurythmidia ignidorsella</i> (Ragonot, 1887) PBL	x	x			
<i>Caudellia declivella</i> (Zeller, 1881) or nr. PBL	x				
<i>Davara caricae</i> (Dyar, 1913) PBL	x	x			
<i>Dioryctria batesella</i> Mutuura and Neunzig, 1986 PBL				x	
<i>Dioryctria erythropasa</i> (Dyar, 1914)					
<i>Dioryctria</i> sp. PBL				x	
<i>Drescomopis soraella</i> (Druce, 1899) PBL	x				
<i>Anabasis ochrodesma</i> (Zeller, 1881) PBL			x		
<i>Piesmopoda</i> sp. PBL	x	x	x		x
<i>Tlascala reductella</i> (Walker, 1863) TL					
<i>Ufa rubedinella</i> (Zeller, 1848) TLS					
-- THYRIDOIDEA --					
<b>THYRIDIDAE</b>					
<i>Banisia furva epasta</i> Whalley, 1976					
<i>Draconia rusina</i> Druce, 1895					
<i>Draconia denticulata</i> (Pagenstecher, 1892) or nr. PBL			x		
<i>Dysodia</i> sp. 1 PBL				x	
<i>Dysodia</i> sp. 2 PBL				x	
<i>Gippius sumptuosus</i> Walker, 1855 TL					
<i>Microsca</i> sp. CURLA					x
<i>Pseudendromis thetis</i> (Druce, 1899) PBL			x		x
<i>Rhodoneura nebulosa</i> (Warren, 1889) or nr. PBL			x	x	x
<i>Zeuzerodes fumatilis</i> (Pagenstecher, 1892) PBL			x		
undet. sp. 1 PBL				x	
undet. sp. 2 PBL			x		
undet. sp. 3 PBL					x
undet. sp. 4 PBL			x		

<b>--- MIMALLONOIDEA ---</b>					
<b>MIMALLONIDAE</b>					
<i>Cicinnus</i> sp. PBL		x			
<i>Druentica partha</i> (Schaus, 1905) or nr. PBL		x			
<i>Roelmana maloba</i> (Schaus, 1905) PBL		x			
<b>--- LASIOCAMPOIDEA ---</b>					
<b>LASIOCAMPIDAE</b>					
<i>Artace cribraria</i> (Ljungh, 1825) PBL		x	x		
<i>Euglyphis amathuria</i> Druce, 1890 PBL		x			
<i>Euglyphis amisena</i> (Druce, 1890)					
<i>Euglyphis canifascia</i> (Walker, 1869)					
<i>Euglyphis cercina</i> (Druce, 1897)					
<i>Euglyphis guttularis</i> (Walker, 1855)					
<i>Euglyphis poasia</i> Schaus, 1910 PBL	x		x	x	x
<i>Euglyphis thyatira</i> (Druce, 1887) PBL			x	x	
<i>Euglyphis zurcheri</i> Druce, 1897 PBL	x		x		
<i>Euglyphis</i> sp. 1 PBL			x		
<i>Euglyphis</i> sp. 2 PBL					x
<i>Eutachyptera psidii</i> Sallé, 1857 EAPZ					
<i>Nesara casada</i> (Schaus, 1911) PBL		x	x		
<i>Nesara</i> sp. PBL					x
<i>Prorifrons</i> sp. PBL			x		
<i>Tolype caieta</i> Druce, 1897 PBL			x		
<b>--- BOMBYCOIDEA ---</b>					
<b>BOMBYCIDAE</b>					
<i>Apatelodes satellitia</i> (Walker, 1855) PBL		x	x	x	x
<i>Apatelodes merlona</i> Schaus, 1939 PBL		x	x		x
<i>Colla coelestis</i> Schaus, 1910 PBL		x	x		x
<i>Epia muscosa</i> (Butler, 1878) PBL			x	x	x
<i>Epia casnonia</i> (Druce, 1887) PBL			x		
<i>Olceclostera indentata</i> Schaus, 1910 or nr. PBL	x	x			x
<i>Olceclostera</i> sp. PBL		x	x		x
<b>SATURNIIDAE</b>					
<b>Oxyteninae</b>					
<i>Oxytenis modestia</i> (Cramer, [1780]) PBL	x	x			x
<i>Oxytenis beprea</i> Druce, 1886 or nr. PBL		x			
<b>Arsenurinae</b>					
<i>Arsenura armida</i> (Cramer, 1779) PBL, EAPZ, RLMM		x		x	
<i>Arsenura batesii</i> (Felder and Rogenhofer, 1874)					
<i>Caio championi</i> (Druce, 1886) EAPZ, RLMM					
<i>Copiopteryx semiramis banghaasi</i> Draudt 1930 EAPZ					
<i>Dysdaemonia boreas</i> (Cramer, [1775]) PBL, EAPZ, RLMM		x	x	x	x
<i>Titaea tamerlan nobilis</i> (Schaus, 1912) EAPZ, RLMM			x		
<i>Titaea</i> sp. nr <i>tamerlan</i> (Maasen, 1869) PBL			x		
<i>Rhescyntis hippodamia</i> (Cramer, 1777) EAPZ, RLMM			x	x	
<b>Ceratocampinae</b>					
<i>Adeloneivaia boisduvalii</i> (Doûmet, 1859) PBL, EAPZ			x		
<i>Adeloneivaia jason</i> (Boisduval, 1872) PBL, EAPZ, RLMM			x		
<i>Adeloneivaia subangulata</i> (Herrich-Schäffer, [1855]) PBL, EAPZ, RLMM		x	x		

<i>Adelowalkeria caeca</i> Lemaire, 1969 PBL					x
<i>Citioica anthonilis</i> (Herrich-Schäffer, [1854]) EAPZ					
<i>Citheronia lobesis</i> Rothschild, 1907 EAPZ					
<i>Citheronia bellavista</i> Draudt, 1930 EAPZ, RLMM					
<i>Citheronoides collaris</i> (Rothschild, 1907) RLMM, PBL				x	
<i>Eacles imperialis</i> (Drury, 1773) PBL		x			
<i>Eacles imperialis decoris</i> Rothschild, 1907 EAPZ, RLMM					
<i>Eacles masoni</i> Schaus, 1896 EAPZ					
<i>Eacles ormondei</i> Schaus, 1889 EAPZ, RLMM, PBL					x
<i>Othorene purpurascens</i> (Schaus, 1905) EAPZ, RLMM					
<i>Othorene verana</i> (Schaus, 1900) EAPZ, RLMM				x	
<i>Schausiella santarosensis</i> Lemaire, 1982 PBL, RLMM		x			
<i>Syssphinx</i> sp. PBL					x
<i>Syssphinx colla</i> Dyar, 1907 PBL, EAPZ, RLMM		x	x		
<i>Syssphinx mexicana</i> (Boisduval, 1872) EAPZ, RLMM					
<i>Syssphinx molina</i> (Cramer 1780) PBL, EAPZ, RLMM			x	x	
<i>Syssphinx montana</i> (Packard, 1905) PBL					x
<i>Syssphinx quadrilineata</i> (Grote and Robinson, 1867) EAPZ, RLMM, PBL				x	
<b>Hemileucinae</b>					
<i>Automeris banus</i> (Boisduval, 1875) EAPZ, RLMM					
<i>Automeris belti</i> Druce 1886 PBL, EAPZ, RLMM	x	x	x	x	x
<i>Automeris excreta</i> Draudt, 1929 RLMM					
<i>Automeris hamata</i> Schaus, 1906 EAPZ					
<i>Automeris jucunda</i> (Cramer, 1779)					
<i>Automeris lauta</i> Johnson and Michener, 1948 EAPZ					
<i>Automeris metzli</i> (Sallé, 1853) EAPZ, RLMM					
<i>Automeris moloneyi</i> Druce, 1897 EAPZ, RLMM					
<i>Automeris zozine</i> Druce, 1886 EAPZ, RLMM					
<i>Automeris pallidior</i> Draudt, 1929 EAPZ, RLMM					
<i>Automeris phrynon</i> Druce, 1897 EAPZ					
<i>Automeris postalbida</i> Schaus, 1900 PBL, EAPZ, RLMM					x
<i>Automeris rubescens</i> (Walker, 1855) EAPZ					
<i>Automeris tridens</i> (Herrich-Schäffer, 1855) EAPZ					
<i>Dirphiopsis flora</i> (Schaus, 1911)					
<i>Hylesia lineata</i> Druce, 1886 PBL, RLMM			x		
<i>Hylesia continua</i> (Walker, 1865) PBL, RLMM	x	x	x	x	
<i>Hylesia rubrifrons</i> Schaus, 1911 PBL		x	x		x
<i>Hylesia gamelioides</i> Michener, 1952 EAPZ, RLMM					
<i>Hylesia tinturex</i> Schaus, 1921 EAPZ					
<i>Hylesia umbratula</i> Dyar, 1927 EAPZ					
<i>Hylesia r. rosacea</i> Schaus, 1911, PBL		x	x		x
<i>Gamelia abas</i> (Cramer, 1775) PBL	x	x			
<i>Gamelia septentrionalis</i> Bouvier, 1936 RLMM					
<i>Hyperchira nausica</i> (Cramer, 1779) PBL, RLMM	x	x	x		x
<i>Leucanella acutissima</i> Walker, 1865 EAPZ, RLMM					
<i>Leucanella contempta</i> Lemaire, 1967 EAPZ					
<i>Lonomia electra</i> Druce 1886 EAPZ, RLMM, PBL			x		x
<i>Molippa nibasa</i> (Maassen and Weyding, 1885) PBL, EAPZ, RLMM			x	x	
<i>Dirphia avia</i> (Stoll, 1780) PBL					x

<i>Paradirphia boudinoti</i> Lemaire and Wolfe, 1990					
<i>Paradirphia rectilineata</i> Wolfe, 1994 EAPZ					
<i>Paradirphia semirosea</i> (Walker 1855) EAPZ, RLMM					
<i>Periphoba arcaei</i> E. D. Jones, 1908 PBL, RLMM		x	x		x
<i>Pseudodirphia menander</i> (Druce, 1886) EAPZ, RLMM					
<i>Pseudodirphia regia</i> (Draudt, 1930) EAPZ, RLMM					
<b>Saturniinae</b>					
<i>Antheraea godmani</i> (Druce 1892) EAPZ, RLMM					
<i>Copaxa escalantei</i> Lemaire, 1971 EAPZ, RLMM					
<i>Copaxa cydippe</i> (Druce, 1894) EAPZ					
<i>Copaxa evelynae</i> Wolfe and Lemaire (1993) EAPZ					
<i>Copaxa lavendera</i> (Westwood, 1853) EAPZ					
<i>Copaxa mazaorum</i> Lemaire, 1982 RLMM					
<i>Copaxa multifenestrata</i> (Herrich-Schäffer, 1858) PBL, EAPZ, RLMM			x		
<i>Copaxa rufinans</i> Schaus, 1906 PBL, EAPZ, RLMM		x			
<i>Copaxa curvilinea</i> Schaus, 1912 EAPZ					
<i>Copaxa sophronia</i> Schaus, 1921 EAPZ, RLMM					
<i>Eupackardia calleta</i> (Westwood, 1853) EAPZ					
<i>Rothschildia erycina mexicana</i> EAPZ, RLMM					
<i>Rothschildia lebeau</i> (Guérin-Méneville 1868) PBL, EAPZ, RLMM			x		
<i>Rothschildia orizaba</i> (Westwood, 1853) EAPZ, RLMM					
<i>Rothschildia roxana</i> Schaus, 1905 Bouvier, 1936 RLMM, PBL					x
<b>SPHINGIDAE</b>					
<b>Macroglossinae</b>					
<i>Aellopos ceculus</i> (Cramer, 1777) EAPZ, PBL					x
<i>Aellopos clavipes</i> Rothschild and Jordan, 1903					
<i>Aellopos titan</i> (Cramer, 1777) EAPZ					
<i>Aleuron chloroptera</i> (Perty, 1833) EAPZ					
<i>Aleuron neglectum</i> Rothschild and Jordan, 1903 EAPZ					
<i>Callionima denticulata</i> (Schaus, 1895), PBL, EAPZ		x			
<i>Callionima falcifera</i> (Gehlen, 1943) PBL, EAPZ	x		x		x
<i>Callionima nomius</i> (Walker, 1856), PBL, EAPZ		x	x		
<i>Callionima pan</i> (Cramer, 1779) EAPZ					
<i>Callionima parce</i> (Fabricius, 1775) EAPZ, PBL			x		x
<i>Enyo gorgon</i> (Cramer, 1777) EAPZ					
<i>Enyo l. lugubris</i> (Linnaeus, 1771) EAPZ, PBL					x
<i>Enyo ocypete</i> (Linnaeus, 1758) EAPZ, PBL	x		x	x	
<i>Enyo taedium</i> Schaus, 1890 PBL					
<i>Erinnyis alope</i> (Drury, 1773) PBL		x			
<i>Erinnyis crameri</i> (Schaus, 1898) EAPZ					
<i>Erinnyis e. ello</i> (Linnaeus, 1758) EAPZ					
<i>Erinnyis lassauxii</i> (Boisduval, 1859) EAPZ					
<i>Erinnyis obscura</i> (Fabricius, 1775) EAPZ					
<i>Erinnyis oenotrus</i> (Cramer, 1780) EAPZ, PBL			x	x	
<i>Erinnyis yucatana</i> (Druce, 1888)					
<i>Hemeroplanes ornatus</i> Rothschild, 1894 PBL			x	x	x
<i>Hemeroplanes triptolemus</i> (Cramer, 1779) EAPZ					
<i>Isognathus rimosa</i> (Grote, 1865) EAPZ					
<i>Isognathus scyron</i> (Cramer, 1780) RLMM					



<i>Nyceryx coffaeae</i> (Walker, 1856) EAPZ					
<i>Nyceryx eximia</i> (Rothschild and Jordan, 1916) EAPZ					
<i>Nyceryx riscus</i> (Schaus, 1890) EAPZ					
<i>Nyceryx tacita</i> (Druce, 1888) EAPZ					
<i>Madoryx oiclus</i> (Cramer, 1779) EAPZ					
<i>Madoryx plutonius</i> (Hübner, 1819) PBL, EAPZ		x	x	x	
<i>Pachylia darceta</i> Druce, 1881 PBL, EAPZ	x	x	x	x	x
<i>Pachylia ficus</i> (Linnaeus, 1758) PBL		x	x	x	
<i>Pachylia s. syces</i> (Hübner, 1819) EAPZ					
<i>Pachylioides resumens</i> (Walker, 1856) EAPZ, PBL		x	x	x	x
<i>Perigonia jamaicensis</i> Rothschild, 1894 EAPZ					
<i>Perigonia lusca</i> (Fabricius, 1777) EAPZ, PBL			x	x	
<i>Perigonia pallida</i> Rothschild and Jordan, 1903, PBL			x	x	
<i>Perigonia stulta</i> Herrich-Schäffer, 1854 EAPZ, RLMM					
<i>Phryxus caicus</i> (Cramer, 1777) EAPZ					
<i>Pseudosphinx tetrio</i> (Linnaeus, 1771) EAPZ					
<i>Stolidoptera tachasara</i> (Druce, 1888) EAPZ					
<i>Unzela j. japix</i> (Cramer, 1776) EAPZ					
<i>Cautethia spuria</i> (Boisduval, 1875) EAPZ					
<i>Cautethia yucatanana</i> Clark, 1919					
<i>Hyles l. lineata</i> (Fabricius., 1775) EAPZ					
<i>Xylophanes acrus</i> Rothschild and Jordan, 1910 EAPZ					
<i>Xylophanes amadis cyrene</i> (Druce, 1881) PBL		x			
<i>Xylophanes anubus</i> (Cramer, 1777) EAPZ					
<i>Xylophanes belti</i> (Druce, 1878) EAPZ, PBL			x		x
<i>Xylophanes falco</i> (Walker, 1856) TL					
<i>Xylophanes ceratomioides</i> Grote and Robinson, 1867 EAPZ, PBL			x		x
<i>Xylophanes chiron nechus</i> (Cramer, 1777) PBL, EAPZ		x	x	x	x
<i>Xylophanes cyrene</i> (Druce, 1881)					
<i>Xylophanes damocrita</i> (Druce, 1894) EAPZ					
<i>Xylophanes eumedon</i> (Boisduval, 1875) EAPZ					
<i>Xylophanes g. germen</i> (Schaus, 1890) EAPZ					
<i>Xylophanes hannemanni</i> Closs, 1917					
<i>Xylophanes juanita</i> Rothschild and Jordan, 1903 EAPZ					
<i>Xylophanes libya</i> (Druce, 1878) EAPZ, PBL		x	x		
<i>Xylophanes loelia</i> (Druce, 1878) EAPZ, PBL	x			x	
<i>Xylophanes neoptolemus</i> (Stoll, 1780) EAPZ, PBL			x	x	x
<i>Xylophanes pistacina</i> Boisduval, 1875 EAPZ					
<i>Xylophanes pluto</i> (Fabricius, 1777) EAPZ, PBL		x	x	x	
<i>Xylophanes porcus continentalis</i> Rothschild and Jordan, 1903, PBL, EAPZ		x	x		
<i>Xylophanes pyrrhus</i> (Rothschild and Jordan, 1906) EAPZ, PBL				x	
<i>Xylophanes tersa</i> (Linnaeus, 1771) EAPZ					
<i>Xylophanes thyelia</i> (Linnaeus, 1758) EAPZ, PBL		x	x		
<i>Xylophanes titana</i> (Druce, 1878) EAPZ					
<i>Xylophanes turbata</i> (Edwards, 1887)					
<i>Xylophanes t. tyndarus</i> (Boisduval, 1875) EAPZ, PBL			x		
<i>Xylophanes undata</i> Rothschild and Jordan, 1903 EAPZ, PBL					x
<i>Xylophanes zurcheri</i> (Druce, 1894) EAPZ, PBL				x	
<i>Eumorpha achemon</i> Drury, 1773 EAPZ					

<i>Eumorpha anchemolus</i> (Cramer, 1779) PBL				x	
<i>Eumorpha capronneri</i> (Boisduval, 1875)					
<i>Eumorpha fasciatus</i> (Sulzer, 1776) EAPZ, PBL			x		
<i>Eumorpha labruscae</i> (Linnaeus, 1758) EAPZ					
<i>Eumorpha o. obliquus</i> (Rothschild and Jordan, 1903)					
<i>Eumorpha phorbis</i> (Cramer, 1775) EAPZ, PBL			x	x	
<i>Eumorpha satellitia licaon</i> (Cramer, 1775) EAPZ, PBL			x		x
<i>Eumorpha triangulum</i> (Rothschild and Jordan, 1903) EAPZ, PBL			x	x	x
<i>Eumorpha typhon</i> (Klug, 1836) EAPZ					
<i>Eumorpha v. vitis</i> (Linnaeus, 1748) PBL, EAPZ	x		x	x	
<b>Smerinthinae</b>					
<i>Adhemarius dariensis</i> (Rothschild and Jordan, 1903) EAPZ					
<i>Adhemarius donysa</i> (Druce, 1889) EAPZ					
<i>Adhemarius g. gannascus</i> (Stoll, 1790) EAPZ, PBL				x	
<i>Adhemarius ypsilon</i> (Rothschild and Jordan, 1903) PBL, EAPZ		x	x		
<i>Protambulyx strigilis</i> (Linnaeus, 1771) EAPZ, PBL			x	x	x
<b>Sphinginae</b>					
<i>Agrius cingulata</i> (Fabricius, 1775) EAPZ, PBL				x	
<i>Amphimoea walkeri</i> (Boisduval, 1875) EAPZ					
<i>Cocytius antaeus</i> (Drury, 1773) EAPZ					
<i>Cocytius duponchel</i> (Poey, 1832) EAPZ, PBL				x	
<i>Cocytius lucifer</i> Rothschild and Jordan, 1903 EAPZ					
<i>Manduca albiplaga</i> (Walker, 1856) PBL			x		
<i>Manduca corallina</i> (Druce, 1883) RLMM					
<i>Manduca extrema</i> (Gehlen, 1926) PBL			x		
<i>Manduca florestan</i> (Stoll, 1782) PBL, EAPZ			x		x
<i>Manduca incisa</i> (Walker, 1856) EAPZ					
<i>Manduca lanuginosa</i> (Edwards, 1887) EAPZ					
<i>Manduca lefeburei</i> (Guèrin-Mèneville, 1844) EAPZ, PBL			x		
<i>Manduca muscosa</i> (Rothschild and Jordan, 1903) EAPZ					
<i>Manduca occulta</i> (Rothschild and Jordan, 1903) PBL, EAPZ		x		x	
<i>Manduca ochus</i> (Klug, 1836) EAPZ, PBL				x	
<i>Manduca pellenia</i> (Herrich-Schäffer, 1854) EAPZ, PBL			x		
<i>Manduca r. rustica</i> (Fabricius, 1775) EAPZ, PBL			x	x	
<i>Manduca sexta</i> (Linnaeus, 1763) EAPZ					
<i>Manduca wellingi</i> Brou, 1984					
<i>Neococytius cluentius</i> (Cramer, 1775) EAPZ, PBL			x		
<i>Sphinx leucophaeata</i> Clemens, 1859 EAPZ					
<i>Sphinx merops</i> (Linnaeus, 1758) EAPZ					
<i>Sphinx praelongus</i> (Rothschild and Jordan, 1903) EAPZ					
--- HEDYLOIDEA ---					
<b>HEDYLIDAE</b>					
<i>Macrosoma bahiata</i> (Felder and Rogenhofer, 1875) PBL				x	
<i>Macrosoma cascaria</i> (Schaus, 1901) PBL			x	x	
<i>Macrosoma conifera</i> (Warren, 1897) PBL		x	x		x
<i>Macrosoma hyacinthina</i> (Warren, 1905) PBL		x			
<i>Macrosoma lucivittata</i> (Walker, 1863) EAPZ					
<i>Macrosoma rubedinaria</i> (Walker, 1862) PBL		x	x		x
<i>Macrosoma semiermis</i> (Prout, 1932) PBL			x		x

--- GEOMETROIDEA ---					
<b>SEMATURIDAE</b>					
<i>Sematura lunus</i> (Linnaeus, 1758) EAPZ, PBL			x		
<i>Coronidia canace</i> (Hopffer, 1856) EAPZ					
<b>URANIIDAE</b>					
<b>Uraniinae</b>					
<i>Urania fulgens</i> (Walker, 1854) EAPZ					
<b>Epipleminae</b>					
<i>Aniplecta</i> sp. PBL			x		
<i>Epiplema</i> sp. PBL					x
<i>Philagraula slossoniae</i> Hulst, 1896 PBL			x		
<b>GEOMETRIDAE</b>					
<b>Oenochrominae</b>					
<i>Ametris nitocris</i> (Cramer, 1780) PBL				x	
<i>Macrotis commatica</i> Prout, 1916 PBL		x		x	x
<i>Ergavia carinenta</i> (Cramer, 1777)					
<i>Ergavia merops</i> (Cramer, 1775) PBL				x	
<b>Geometrinae</b>					
<i>Rhodochlora brunneipalpis</i> Warren, 1894 PBL				x	
<i>Nemoria aturia</i> (Druce, 1892)					
<i>Nemoria nr. karlae</i> Pitkin, 1993 PBL		x			
<i>Nemoria nr. parcipunta</i> (Dognin, 1908) PBL				x	
<i>Nemoria nr. priscillae</i> Pitkin, 1993 PBL				x	
<i>Nemoria scriptaria</i> (Hübner, 1823) PBL		x	x		x
<i>Nemoria venezuelae</i> (Prout, 1932) PBL		x			
<i>Nemoria punctilinea</i> (Dognin, 1902) PBL		x	x		x
<i>Lissochlora magnostigma</i> (Dyar, 1912) PBL	x				
<i>Synchlora expulsata</i> (Walker, 1861) PBL	x	x	x		x
<i>Synchlora gerularia</i> (Hübner, [1823]) PBL	x	x	x	x	x
<i>Synchlora pulchrifimbria</i> Warren, 1907 PBL	x	x	x	x	x
<i>Synchlora venustula</i> (Dognin, 1910) PBL				x	
<i>Pyrochlora rhanis</i> (Cramer, 1777) PBL			x	x	
<i>Tachyphyle</i> sp. nr. <i>acuta</i> Butler, 1881 PBL		x			
<i>Phrudocentra janeira</i> (Schaus, 1897) PBL			x	x	x
<i>Phrudocentra pupillata</i> Warren, 1897 PBL				x	
<i>Neagathia corruptata</i> (Felder and Rogenhofer, 1875) PBL				x	
<i>Dichorda consequaria</i> (Hy. Edwards, 1884)					
<i>Oospila concinna</i> Warren, 1900 PBL			x		
<i>Oospila rosipara</i> Warren, 1897 PBL			x	x	
<i>Oospila venezuelata</i> (Walker, 1861) PBL				x	
<i>Xerochlora</i> sp. nr. <i>masonaria</i> (Schaus, 1897) PBL		x			
<i>Chlorochlamys</i> sp. KC	x				
<i>Chloropteryx dealbata</i> (Warren, 1909) PBL, KC	x		x	x	x
<i>Chloropteryx diluta</i> (Dognin, 1911) PBL		x	x		
<i>Chloropteryx opalaria</i> (Guenée, 1858) PBL	x	x			
<i>Chloropteryx</i> sp. KC	x				
<b>Sterrhinae</b>					
<i>Dithecodes distracta</i> (Walker, 1861) PBL	x				
<i>Dithecodes</i> sp. PBL					x

<i>Tricentra</i> sp. nr. <i>fulvifera</i> Dognin, 1908 PBL				x	
<i>Tricentra quadrigata</i> (Felder, 1875) PBL		x			
<i>Tricentra</i> sp. 1 PBL	x	x	x	x	x
<i>Tricentra</i> sp. 2 PBL				x	
<i>Semaeopus deflexa</i> (Warren, 1900)					
<i>Semaeopus caecaria</i> (Hübner, 1825) PBL		x			x
<i>Semaeopus varia</i> (Warren, 1895) PBL					x
<i>Semaeopus</i> sp. PBL				x	
<i>Trygodes musivaria</i> (Herrich-Schäffer, 1855) PBL			x	x	x
<i>Cyclophora anablemma</i> (Prout, 1938) PBL				x	
<i>Pleuroprucha</i> sp. nr. <i>ochrea</i> (Warren, 1897) PBL, KC	x	x		x	
<i>Haemalea imitans</i> (Dognin, 1900) PBL		x	x		
<i>Leptostales crossii</i> (Hulst, 1900) PBL		x			
<i>Leptostales</i> sp. PBL		x		x	
<i>Scopula apparitaria</i> (Walker, 1861) TL					
<i>Scopula confertaria</i> (Walker, 1861) TL					
<i>Scopula privata</i> (Walker, 1861) PBL	x				
<i>Scopula subquadrata</i> (Guenée, 1858)					
<i>Scopula suffundaria</i> (Walker, 1861) TL					
<i>Scopula umbilicata</i> (Fabricius, 1794)					
<i>Scopula</i> sp. PBL		x			
<i>Tricentrogyna violescens</i> (Schaus, 1901) PBL	x	x	x	x	x
<i>Tricentrogyna</i> sp. nr. <i>deportata</i> (Walker, 1861) PBL	x	x	x		
<i>Tricentrogyna</i> sp. 1 PBL		x		x	
<i>Tricentrogyna</i> sp. 2 PBL			x		
<i>Lobocleta figurinata</i> (Guenée, 1858)					
<i>Idaea complexaria</i> (Schaus, 1901) PBL		x	x		
<i>Idaea contractalis</i> (Walker, 1866) TL					
<i>Idaea</i> sp. nr. <i>elegantaria</i> (Herrich-Schäffer, 1854) PBL				x	
<i>Idaea helleria</i> (Schaus, 1913) PBL		x			
<i>Idaea latiferaria</i> Walker, 1861 TL					
<i>Idaea</i> sp. nr. <i>pervertipennis</i> (Hulst, 1900) PBL				x	
<i>Idaea spernata</i> (Walker, 1861)					
<i>Idaea subfervens</i> (Prout, 1920) PBL			x		x
<i>Idaea takturata</i> (Walker, 1861) PBL	x	x	x		
<i>Idaea</i> sp. PBL	x	x	x	x	
<i>Smicropus intercepta</i> (Walker, 1854) TL					
<i>Smicropus laeta</i> (Walker, [1865]) CURLA, PBL			x	x	
<b>Larentiinae</b>					
<i>Euphyia cinerascens</i> (Dognin, 1900) PBL				x	
<i>Euphyia</i> sp. PBL				x	
<i>Disclisiprocta stellata</i> (Guenée, 1858) PBL				x	
<i>Obila floccosaria</i> (Walker, 1866) TLS					
<i>Obila pannosata</i> (Guenée, 1858)					
<i>Obila</i> sp. PBL				x	
<i>Rheumaptera</i> sp. PBL				x	
<i>Eutrepsia dispar</i> (Walker, 1854) TLS					
<i>Oligopluera malachitaria</i> Herrich-Schäffer, 1855 PBL			x	x	x
<i>Oligopluera aulaeata</i> Felder and Rogenhoffer, 1875 PBL					x

<i>Eubaphe conformis</i> (Walker, 1854) PBL			x		
<i>Eubaphe</i> sp. PBL				x	
<i>Eudulophasia invaria</i> (Walker, 1854) PBL			x		x
<i>Psaliodes</i> sp. PBL		x			
<i>Eupithecia spilosata</i> (Walker, 1863) TL					
<i>Eupithecia</i> sp. 1 PBL	x		x		
<i>Eupithecia</i> sp. 2 PBL		x			
<i>Eois</i> sp. nr. <i>binaria</i> (Guenée [1858]) PBL	x				
<i>Eois catana</i> Druce, 1892 PBL		x		x	
<i>Eois</i> nr. <i>dorisaria</i> (Schaus, 1913) PBL				x	
<i>Eois heliadarina</i> (Guenée, 1858)					
<i>Eois insignata</i> (Walker, 1861) PBL			x		x
<i>Eois expressaria</i> (Walker, 1861) TL					
<i>Eois</i> sp. 1-4 PBL	x		x		x
<b>Ennominae</b>					
<i>Thysanopyga amarantha</i> Debauche, 1937 PBL	x	x	x	x	x
<i>Thysanopyga apitruncaria</i> Herrich-Schäffer, 1856 PBL				x	
<i>Thysanopyga carfinia</i> (Druce, 1893) PBL				x	
<i>Thysanopyga pygaria</i> (Guenée, 1858) PBL				x	
<i>Parilexia cermala</i> (Druce, 1893) PBL	x	x	x	x	x
<i>Perigramma repitita</i> Warren, 1905 PBL				x	
<i>Perigramma</i> sp. nr. <i>guatemalaria</i> Schaus, 1927 PBL	x	x	x		
<i>Dyschoroneura obsolescens</i> Warren, 1894 PBL				x	
<i>Leucula abilinearina</i> Guenée, 1858					
<i>Simena luctifera</i> (Walker, 1856) TLS					
<i>Periclina sycitaria</i> (Walker, 1860)					
<i>Cyclomia minuta</i> (Druce, 1892) PBL			x		
<i>Cyclomia disparlis</i> Schaus, 1911 PBL		x			x
<i>Eusarca asteria</i> (Druce, 1892) PBL, TLS	x				
<i>Eusarca minucia</i> (Druce, 1892) PBL				x	
<i>Eusarca nemoria</i> (Druce, 1892) PBL		x			
<i>Polla celeraria</i> (Walker, 1860) PBL	x		x	x	x
<i>Cimicodes albicosta</i> Dognin, 1913 PBL		x			
<i>Pyrinia itunaria</i> Walker, 1860 PBL	x				
<i>Pyrinia sanitaria</i> Schaus 1901 PBL	x	x	x	x	x
<i>Pyrinia</i> sp. PBL			x	x	
<i>Patalene aenetusaria</i> (Walker, 1860) PBL	x	x	x	x	x
<i>Patalene</i> nr. <i>asychisaria</i> (Walker, 1860) PBL				x	
<i>Patalene hamulata</i> (Guenée, 1858)					
<i>Patalene luciata</i> (Stoll, 1790) PBL				x	
<i>Patalene trogonaria</i> (Herrich-Schäffer, 1856) PBL				x	
<i>Patalene</i> sp. PBL				x	
<i>Trotopera arrhapa</i> (Druce, 1891) PBL			x		
<i>Euclysia dentifasciata</i> Dognin, 1910 PBL	x		x	x	
<i>Euclysia</i> sp. PBL			x		x
<i>Synnomos firmamentaria</i> Guenée, 1858 MGCL					
<i>Sericoptera mahometaria</i> (Herrich-Schäffer, 1856) PBL			x	x	x
<i>Nepheloleuca politia</i> (Cramer, 1777) PBL					x
<i>Nepheloleuca floridata</i> (Grote, 1883) EAPZ					

<i>Paragonia cruraria</i> (Herrich-Schäffer, 1854) PBL	x		x	x	x
<i>Prochoerodes striata</i> (Stoll, 1798) PBL			x		
<i>Prochoerodes</i> sp. KC	x				
<i>Oxydia apidania</i> (Cramer, 1779) PBL	x			x	x
<i>Oxydia vesulia</i> (Cramer, 1779) or nr. PBL	x	x	x	x	x
<i>Microgonia rufaria</i> Warren, 1901 PBL	x	x	x	x	x
<i>Herbita lilacina</i> (Warren, 1897) PBL	x		x		x
<i>Pero afuera</i> Poole, 1987 PBL				x	
<i>Pero</i> nr. <i>anceta</i> (Stoll, 1781) PBL				x	
<i>Pero astapa</i> (Druce, 1892)					
<i>Pero aurunca</i> (Druce, 1892)					
<i>Pero clysiaria</i> (Felder and Rogenhoffer, 1875) PBL	x				
<i>Pero coronata</i> Warren, 1904 PBL			x	x	
<i>Pero delauta</i> (Warren, 1907)					
<i>Pero dularia</i> Poole, 1987					
<i>Pero fragila</i> Poole, 1987					
<i>Pero fusaria</i> (Walker, 1860)					
<i>Pero incisa</i> Dognin, 1889 PBL		x	x		x
<i>Pero lessema</i> (Schaus, 1901)					
<i>Pero melissa</i> (Druce, 1892)					
<i>Pero polygonaria</i> (Herrich-Schäffer, 1855) PBL			x	x	
<i>Pero probata</i> Poole, 1987 PBL				x	
<i>Pero pumaria</i> Felder and Rogenhoffer, 1875 PBL		x	x	x	x
<i>Pero saturata</i> (Walker, 1868) PBL			x		
<i>Pero spina</i> Poole, 1897					
<i>Pero verda</i> Poole, 1987					
<i>Sphacelodes vulneraria</i> (Hübner, 1823) PBL, EAPZ, KC	x	x	x	x	
<i>Nematocampa completa</i> Warren, 1904 PBL	x		x	x	x
<i>Nematocampa</i> sp. PBL				x	
<i>Erastria decrepitaria</i> (Hübner, 1823) PBL		x	x	x	
<i>Semiothisa carinaria</i> Dognin, 1924 PBL				x	
<i>Semiothisa divergentata</i> (Snellen, 1894) PBL			x	x	
<i>Macaria aequiferaria</i> Walker, 1861 TLS					
<i>Macaria</i> nr. <i>ferina</i> (Dognin, 1924) PBL				x	
<i>Macaria gambarina</i> (Stoll, [1781]) PBL	x	x	x	x	x
<i>Macaria</i> nr. <i>guapilaris</i> (Schaus, 1911) PBL				x	
<i>Macaria</i> nr. <i>lydia</i> (Schaus, 1912) PBL				x	
<i>Macaria regulata</i> (Fabricius, 1775) PBL				x	
<i>Macaria subfulva</i> (Warren, 1906) PBL				x	
<i>Macaria</i> sp. 1-3 PBL	x	x	x	x	x
<i>Psamatodes abydata</i> (Guenée, [1858]) PBL, KC	x		x	x	x
<i>Tornos pusillus</i> Rindge, 1954 PBL					x
<i>Epimecis detexta</i> (Walker, 1860) PBL				x	
<i>Epimecis fraternaria</i> (Guenée, 1858)					
<i>Epimecis matronaria</i> (Guenée, 1858) PBL				x	
<i>Epimecis patronaria</i> (Walker, 1860)					
<i>Epimecis subroraria</i> Walker, 1860 PBL			x		
<i>Epimecis</i> sp. PBL		x			x
<i>Glena agria</i> Rindge, 1967 PBL		x	x	x	x



<i>Hymenomima camerata</i> Warren, 1900 PBL	x			x	
<i>Hymenomima</i> sp. 1 PBL				x	x
<i>Hymenomima</i> sp. 2 PBL				x	
<i>Physocleora</i> sp. PBL	x				
<i>Iridopsis</i> nr. <i>aviceps</i> Prout, 1932 PBL				x	
<i>Iridopsis herse</i> (Schaus, 1912) PBL				x	
<i>Iridopsis validaria</i> (Guenée, 1858) PBL			x	x	x
<i>Iridopsis pandarosos</i> (Schaus, 1912) PBL	x	x	x	x	x
<i>Iridopsis oberthuri</i> Prout, 1932 PBL	x				
<i>Melanolophia flexilinea</i> (Warren, 1906)					
<i>Melanolophia sadrina</i> (Schaus, 1901) PBL				x	
<i>Melanolophia</i> sp. PBL				x	
<i>Phyle schausaria</i> (Hy. Edwards, 1884)					
<i>Pantherodes pardalaria</i> Hübner, 1823 EAPZ					
<i>Pantherodes</i> sp. PBL		x			x
<i>Melanchroia chephise</i> (Stoll, 1782)					
<i>Phrygionis divitaria</i> (Oberthür, 1916) PBL			x		x
<i>Phrygionis pallicosta</i> (Felder and Rogenhofer, 1875) PBL					x
<i>Phrygionis polita</i> (Cramer, 1780)					
<i>Phrygionis privignaria</i> (Guenée [1858]) PBL		x		x	x
<i>Pityeja histrionaria</i> (Herrich-Schäffer, 1853) MGCL					
<i>Opisthoxia bella</i> (Butler, 1881) TL					
<i>Opisthoxia</i> sp. nr. <i>cluana</i> (Druce, 1900) PBL			x		x
<i>Opisthoxia uncinata</i> (Schaus, 1912) PBL				x	
<i>Leuciris fimbriaria</i> (Stoll, [1781]) PBL	x	x	x	x	x
--- NOCTUOIDEA ---					
<b>NOTODONTIDAE</b>					
<b>Notodontinae</b>					
<i>Cerura rarata</i> Walker, 1865 PBL		x	x	x	x
<b>Dudusinae</b>					
<i>Crinodes besckeii</i> (Hübner, 1824) PBL			x	x	
<i>Crinodes guatemalena</i> Druce, 1887 EAPZ, PBL, KC	x	x	x		
<i>Crinodes schausi</i> Rothschild, 1917 EAPZ					
<i>Crinodes striolata</i> Schaus, 1901 PBL		x	x		x
<b>Hemiceratinae</b>					
<i>Apela neobule</i> Druce, 1905 or nr. PBL			x		x
<i>Hemiceras alba</i> Walker, 1865 TL					
<i>Hemiceras bilinea</i> Schaus EAPZ					
<i>Hemiceras</i> spp. 1-16 PBL	x	x	x		x
<b>Heterocampinae</b>					
<i>Antaea omana</i> Schaus, 1906 PBL		x			x
<i>Chilara cresus</i> (Cramer, 1777) PBL			x		
<i>Colax phocus</i> Schaus, 1892 PBL		x	x		x
<i>Colax</i> sp. PBL			x		
<i>Contrebia extrema</i> Walker, 1856 TL					
<i>Disphragis livida</i> Schaus, 1911 PBL	x		x		x
<i>Disphragis remuria</i> Druce, 1898 PBL	x		x		
<i>Disphragis tharis</i> (Stoll, [1780]) PBL		x		x	
<i>Drugera morona</i> Druce, 1898 or nr. PBL		x	x		x

<i>Farigia</i> sp. nr. <i>magniplaga</i> Schaus, 1906 PBL		x			
<i>Farigia</i> sp. PBL					x
<i>Hapigia annulata</i> Schaus, 1905 PBL			x	x	
<i>Hapigia repandens</i> Schaus, 1906 PBL	x		x		
<i>Hapigia simplex</i> (Walker, 1865) PBL		x		x	x
<i>Hapigia</i> sp. 1 PBL	x		x		
<i>Hapigia</i> sp. 2 PBL		x			
<i>Magava multilinea</i> Walker, 1865 PBL			x		
<i>Naprepa</i> sp. PBL	x				
<i>Rhuda difficilis</i> Schaus, 1911 PBL			x	x	x
<i>Rhuda tuisa</i> Schaus, 1911 PBL			x	x	
<i>Rifargia gelduba</i> Schaus, 1892 PBL			x		
<i>Rifargia</i> sp. 1 PBL		x	x		
<i>Rifargia</i> sp. 2 PBL					x
<i>Rifargia</i> sp. 3 PBL					x
<i>Rosema apicalis</i> Walker, 1855					
<i>Rosema epigena</i> (Stoll, 1790) PBL			x		x
<i>Rosema thestia</i> Druce, 1898 PBL				x	
<i>Sericochroa arecosa</i> Druce 1898 PBL	x	x	x	x	x
<i>Trichomaplata</i> sp. PBL	x	x	x		x
<b>Nystaleinae</b>					
<i>Bardaxima meyeri</i> Schaus, 1928 PBL					x
<i>Calledema argenta</i> Schaus, 1905 PBL		x	x		
<i>Calledema jocasta</i> (Schaus, 1901) PBL			x		
<i>Didugua argentilinea</i> Druce, 1891 EAPZ, PBL	x				
<i>Didugua violascens</i> Herrich-Schäffer EAPZ					
<i>Elasmia astuta</i> Schaus, 1894 PBL	x			x	
<i>Lepasta bractea</i> (Felder, 1874) PBL		x			
<i>Lepasta grammodes</i> Felder, 1874 PBL				x	x
<i>Marthula cynrica</i> Schaus, 1928 PBL			x		
<i>Notoplusia marchiana</i> Schaus, 1928 PBL		x			
<i>Nystalea clotho</i> Thiaucourt, 2002					
<i>Nystalea malga</i> Schaus, 1904 PBL				x	x
<i>Nystalea unguicularis</i> Thiaucourt, 2002					
<i>Nystalea superciliosa</i> Guenée, 1852 PBL		x	x		
<i>Pentobesa maya</i> Thiaucourt, 2008					
<i>Pentobesa xylinoides</i> (Walker, 1866) PBL				x	
<i>Strophocerus albonotatus</i> Druce, 1909 PBL	x			x	
<i>Symmerista meridionalis</i> Thiaucourt, 2007					
<b>Dioptinae</b>					
<i>Brachyglene crocearia</i> (Schaus), 1912					
<i>Dioptis butes</i> (Druce, 1885) USNM					
<i>Dioptis eteocles</i> (Druce, 1885)					
<i>Ephialtias pseudena</i> (Boisduval, 1870)					
<i>Getta turrenti</i> Miller, 2009					
<i>Isostyla ithomeina</i> (Butler, 1872)					
<i>Josia enoides</i> (Boisduval, 1870)					
<i>Josia frigida</i> Druce, 1885					
<i>Josia fusigera</i> Walker, 1864					

<i>Josia integra</i> Walker, 1854					
<i>Josia hyperia</i> (Walker, 1854)					
<i>Josia megaera</i> (Fabricius, 1787) TLS					
<i>Josia</i> sp. CURLA					x
<i>Lyces ariaca</i> (Druce, 1885) USNM					
<i>Lyces tamara</i> (Hering, 1925)					
<i>Oricia truncata</i> Walker, 1854 TL, PBL, CURLA, USNM			x	x	x
<i>Phanoptis cyanomelas</i> C. and R. Felder, 1874 or nr. PBL, CURLA			x		x
<i>Phaeochlaena gyon</i> (Fabricius, 1787) or nr. PBL	x		x		
<i>Phaeochlaena tendinosa</i> Hübner, 1818					
<i>Scotura annulata</i> (Guérin-Méneville), 1844					
<b>Notodontidae (<i>incertae sedis</i>)</b>					
<i>Lirimiris guatemalensis</i> Rothchild, 1917 PBL		x	x		x
<i>Lirimiris lignitecta</i> Walker, 1865 or nr. PBL		x			
<i>Lirimiris meridionalis</i> Schaus, 1904 PBL			x		
<i>Pentobesa lignicolor</i> Möschler, 1877 PBL			x		x
<b>EREBIDAE</b>					
<b>Lymantriinae</b>					
<i>Caviria</i> sp. PBL	x	x	x	x	x
<i>Eloria subnuda</i> Walker, 1855 TL					
<i>Terphothrix tibialis</i> (Walker, 1855) TL					
<b>Arctiinae</b>					
<b>Lithosiini</b>					
<i>Areva trigemmis</i> (Hübner, 1827) PBL		x	x		x
<i>Ardonea morio</i> Walker, 1854					
<i>Tuina cingulata</i> (Walker, 1854) TL					
<i>Apistosia judas</i> Hübner, [1819]					
<i>Eudesmia laetifera</i> Walker, 1864 EAPZ					
<i>Eudesmia menea</i> (Drury, 1782) PBL, TLS			x		
<i>Euthyone theodula</i> (Schaus, 1924) PBL			x		
<i>Euthyone griseescens</i> (Schaus 1911) or nr. PBL	x	x	x		
<i>Euthyone simplex</i> (Walker, 1854) TL					
<i>Cisthene polyzona</i> Druce, 1885 PBL		x	x	x	x
<i>Mulona phelina</i> (Druce, 1885) PBL	x	x	x	x	x
<i>Epeiromulona roseata</i> Field, 1952					
<i>Diarhabdosia laudamia</i> (Druce, 1885) PBL	x	x			
<i>Eurylomia cordula</i> (Boisduval, 1870)					
<i>Talara synnephela</i> Dyar, 1916 PBL		x			x
<i>Lycomorhodes sordida</i> (Butler, 1877) PBL			x		x
<i>Lycomorhodes</i> sp. PBL		x	x		x
<i>Balbura fasciata</i> Schaus, 1911 PBL		x	x		x
<i>Balbura intervenata</i> Schaus, 1911 PBL					x
<i>Balbura</i> sp. nr. <i>dorsisigna</i> Walker, 1854 PBL		x			x
<i>Agylla pogonoda</i> Hampson, 1900 PBL		x	x		x
<i>Agylla</i> spp. 1-4 PBL	x	x	x	x	x
? <i>Metalobosia</i> sp. nr. <i>ducalis</i> Schaus, 1911 PBL		x			
<b>Arctiini</b>					
<b>Arctiina</b>					
<i>Virbia birchi</i> (Druce, 1911) or nr. PBL	x	x	x		x

<i>Virbia</i> sp. PBL		x			x
<i>Notarctia proxima</i> (Guérin- Méneville, 1844) EAPZ					
<i>Estigmene acrea</i> Drury PBL					
<i>Hypercompe leucarctiodes</i> (Grote and Robinson, 1967) PBL	x	x	x	x	x
<i>Hypercompe perplexa</i> Schaus, 1911 or nr. PBL	x		x		x
<i>Hypercompe caudata</i> (Walker, 1855)					
<i>Arachnis dilecta</i> (Boisduval, 1870) TL					
<i>Arachnis aulaea</i> Geyer, 1837					
<b>Callimorphina</b>					
<i>Utetheisa ornatix</i> (Linnaeus, 1758) PBL, TLS		x	x	x	
<b>Pericopina</b>					
<i>Calodesma maculifrons</i> (Walker, 1865) TL, PBL, USNM			x	x	x
<i>Hypocrita albimaculata</i> (Druce, 1897) PBL, USNM		x			x
<i>Hypocrita ambigua</i> (Hering, 1925) TL					
<i>Hypocrita arcae</i> (Druce, 1884) PBL, USNM	x			x	x
<i>Hypocrita excellens</i> (Walker, 1854) EAPZ <sup>A1</sup>					
<i>Hypocrita pylotis</i> (Drury, 1773)					
<i>Composita fidelissima</i> Herrich-Schäffer, 1866					
<i>Chetone histrio</i> Boisduval, 1870 TL <sup>A2</sup>					
<i>Chetone ithomia</i> (Boisduval, 1870) USNM					
<i>Chetone angulosa</i> (Walker, 1854) USNM					
<i>Xenosoma flaviceps</i> (Walker, 1865) USNM					
<i>Hyalurga sora</i> (Boisduval, 1870) PBL, CURLA, USNM		x			x
<i>Hyalurga urioides</i> Schaus, 1910 PBL, USNM		x			
<i>Heliactinidia sitia</i> Schaus, 1910 USNM					
<i>Dysschema lycaste</i> (Klug, 1836) EAPZ, TL form, USNM					
<i>Dysschema</i> sp. PBL			x		
<i>Dysschema aorsa</i> (Boisduval, 1870) USNM					
<i>Dysschema cerealis</i> (Druce, 1884) USNM					
<i>Dysschema leucophaea</i> (Walker, 1854) TLS, PBL, USNM		x	x		x
<i>Dysschema magdala</i> (Boisduval, 1870) USNM, PBL				x	
<i>Dysschema mariamne</i> (Geyer, 1836) USNM					
<b>Phaegopterina</b>					
<i>Parathyris cedonulli</i> (Stoll, 1781) PBL			x		
<i>Robinsonia deiopea</i> Druce, 1895 PBL					x
<i>Robinsonia sabata</i> Druce, 1895					
<i>Idalus dares</i> Druce, 1894 PBL			x		x
<i>Idalus crinis</i> Druce, 1884 PBL					x
<i>Idalus alteria</i> Schaus, 1905 PBL					x
<i>Idalus herois</i> Schaus, 1889 PBL		x	x	x	x
<i>Idalus vitrea</i> (Cramer, 1780) PBL			x		
<i>Phaeomolis lineatus</i> Druce, 1884 or nr. PBL	x	x	x	x	x
<i>Symphlebia lophocampoides</i> Felder, 1874 EAPZ					
<i>Symphlebia underwoodi</i> (Rothschild, 1910) EAPZ					
<i>Amaxia apyga</i> Hampson, 1901 PBL		x	x		
<i>Amaxia pardalis</i> Walker, 1855 PBL		x	x		
<i>Amaxia beata</i> Dognin (1909) PBL					x
<i>Amaxia</i> sp. KC	x				
<i>Evius hippia</i> (Stoll, [1790]) PBL		x	x	x	x

<i>Neritos samos</i> Druce, 1896					
<i>Trichromia atta</i> (Schaus, 1920) PBL	x		x	x	x
<i>Trichromia</i> sp. nr. <i>cotes</i> (Druce, 1896) PBL			x		x
<i>Trichromia flavoroseus</i> (Walker, 1855) TL					
<i>Trichromia</i> sp. PBL					x
<i>Parevia gurma</i> Schaus, 1920 PBL			x		x
<i>Rhipha persimilis</i> (Rothschild, 1909) EAPZ					
<i>Rhipha chionoplaga</i> (Dognin, 1913) EAPZ, PBL					x
<i>Cratoplastis diluta</i> Felder, 1874 PBL, EAPZ		x	x	x	x
<i>Gorgonidia buckleyi</i> Druce, 1883 PBL	x		x	x	
<i>Ormetica ataenia</i> (Schaus, 1910) PBL		x		x	x
<i>Ormetica taeniata</i> (Guérin-Ménéville, [1844])					
<i>Ormetica sicilia</i> Druce, 1884 PBL			x		x
<i>Ormetica guapisa</i> (Schaus, 1910) or nr. PBL					x
<i>Ormetica goloma</i> (Schaus, 1920) PBL					x
<i>Ormetica orbona</i> (Schaus, 1889) PBL					x
<i>Selenarctia elissa</i> (Schaus, 1892) PBL			x		
<i>Viviennia tegyra</i> (Druce, 1896) PBL		x	x		x
<i>Castrica phalaenoides</i> (Drury, 1773) PBL		x	x		x
<i>Cissura plumbea</i> Hampson, 1901 PBL	x	x	x	x	x
<i>Melese amastris</i> (Druce, 1884) PBL		x	x		
<i>Melese asana</i> (Druce, 1884) PBL			x	x	x
<i>Melese flavimaculata</i> Dognin, 1899 PBL		x	x		x
<i>Pelochyta misera</i> Schaus, 1911 PBL	x				
<i>Elysius conspersus</i> Walker, 1855 PBL		x			
<i>Munona iridescens</i> Schaus, 1894 PBL		x			x
<i>Anaxita drucei</i> Rodriguez 1893 RLMM					
<i>Anaxita decorata</i> Walker, 1855					
<i>Halysidota excellens</i> Walker EAPZ					
<i>Halysidota pectenella</i> Watson, 1980 PBL		x	x	x	
<i>Halysidota grandis</i> (Rothschild, 1909) PBL	x		x		x
<i>Lophocampa annulata</i> Walker EAPZ					
<i>Lophocampa citrina</i> (Sepp, [1843]) or nr. PBL	x	x	x	x	x
<i>Lophocampa catenulata</i> (Hübner, [1812]) or nr. PBL		x		x	x
<i>Lophocampa alternata</i> (Grote, 1867) TLS					
<i>Lophocampa seruba</i> (Herrich-Schäffer, [1855])					
<i>Pseudohemihyalea fallaciosa</i> (Toulgoët, 1997)					
<i>Pseudohemihyalea labeculoides</i> de Toulgoët, 1995					
<i>Pseudohemihyalea porioni</i> de Toulgoët, 1995					
<i>Euchaetes antica</i> (Walker, 1856) TLS					
<i>Pareuchaetes insulata</i> (Walker, 1855) KC, PBL	x		x	x	x
<i>Belemnia inaurata</i> Sulzer, 1776 TLS, PBL, EAPZ		x	x		
<b>Euchromiina</b>					
<i>Homoeocera gigantea</i> (Druce, 1884) EAPZ					
<i>Sphecosoma felderi</i> (Druce, 1883)					
<i>Myrmecopsis strigosa</i> (Druce, 1884) EAPZ					
<i>Gymnelia</i> sp. nr. <i>nobilis</i> Schaus, 1911 PBL					x
<i>Phoenicoprocta</i> sp. <i>sanguinea</i> (Walker, 1854) or nr. PBL		x			
<i>Pheia albisigna</i> (Walker, 1854) PBL					x



<i>Loxophlebia masa</i> (Druce, 1889) PBL		x	x		x
<i>Loxophlebia geminata</i> Schaus, 1905 PBL					x
<i>Mesothen pyrrha</i> (Schaus, 1889) PBL					x
<i>Xanthyda xanthosticta</i> (Hampson, 1898) PBL					x
<i>Cosmosoma festiva</i> Walker, 1854 TL					
<i>Cosmosoma braconoides</i> (Walker, 1854) TL					
<i>Cosmosoma intensa</i> (Walker, 1854) TL					
<i>Cosmosoma ruatana</i> (Druce, 1888) TL					
<i>Cosmosoma sectinota</i> Hampson, 1898 PBL	x		x		x
<i>Cosmosoma stibosticta</i> (Butler, 1876) PBL	x	x	x	x	x
<i>Cosmosoma hercyna</i> (Druce, 1884) PBL		x			
<i>Cosmosoma</i> sp. nr. <i>teuthras</i> (Walker, 1854) PBL			x	x	
<i>Cosmosoma achemon</i> (Fabricius, 1781) PBL		x			x
<i>Cosmosoma cingulatum</i> Butler, 1876 PBL					x
<i>Pseudomya melanthoides</i> Schaus, 1920 PBL					x
<i>Saurita temenus</i> (Stoll, [1781]) PBL		x			
<i>Saurita tipulina</i> (Hübner, 1827) PBL		x	x		x
<i>Saurita myrrha</i> Druce, 1884 PBL					x
<i>Saurita fumosa</i> (Schaus, 1912) PBL					x
<i>Psoloptera basifulva</i> Schaus, 1894 PBL			x		x
<i>Dycladia basimacula</i> Schaus, 1924 PBL		x	x		
<i>Dycladia vitrina</i> Rothschild, 1911 PBL		x			x
<i>Syntomeida melanthus</i> (Cramer, [1779])					
<i>Macrocneme lades</i> (Cramer, [1776])					
<i>Macrocneme chrysitis</i> (Guérin-Méneville, 1844)					
<i>Macrocneme auripes</i> (Walker, 1854) TL					
<i>Macrocneme cabimensis</i> Dyar, 1914					
<i>Macrocneme adonis</i> Druce, 1884					
<i>Macrocneme</i> spp. incl. <i>iole</i> Druce, 1884 or nr. PBL	x	x	x	x	x
<i>Chrysocale principalis</i> (Walker, [1865]) EAPZ					
<i>Poliopastea</i> sp. PBL			x		x
<i>Eunomia colombina</i> (Fabricius, 1793)					
<i>Eunomia latenigra</i> (Butler, 1876) TL					
<i>Horama oedippus</i> (Boisduval, 1870) PBL		x			
<i>Horama plumipes</i> (Drury, 1773) PBL			x	x	x
<i>Horama panthalon</i> (Fabricius, 1793)					
<b>Ctenuchina</b>					
<i>Ctenucha venosa</i> Walker, 1854					
<i>Ctenucha ruficeps</i> Walker, 1854					
<i>Dinia aeagrus</i> (Cramer, [1779]) PBL		x	x		x
<i>Trichura esmeralda</i> (Walker, 1854) TL					
<i>Trichura coarctata</i> (Drury, 1773)					
<i>Trichura druryi</i> Hübner, [1819]					
<i>Ecdemus obscurata</i> Schaus, 1911 PBL	x	x	x		
<i>Eriphioides tractipennis</i> (Butler, 1876)					
<i>Chrysostola augusta</i> Druce (1884) PBL					x
<i>Chrysostola moza</i> (Druce, 1896) PBL				x	x
<i>Episcepsis thetis</i> Linnaeus 1771 or nr. PBL		x			
<i>Episcepsis inornata</i> (Walker, 1856) or nr. PBL	x	x	x		x

<i>Episcepsis lenaeus</i> Cramer, 1870 or nr. PBL	x				x
<i>Episcepsis venata</i> Butler, 1877 PBL					x
<i>Antichloris viridis</i> Druce, 1884 EAPZ					
<i>Antichloris caca</i> Hübner, 1818					
<i>Napata walkeri</i> (Druce, 1889) EAPZ, PBL				x	x
<i>Napata leucotelus</i> Butler, 1876 TL, PBL			x		
<i>Chlorostola interrupta</i> Walker PBL		x			
? <i>Desmotricha perplexa</i> (Rothschild, 1912) PBL			x		x
<i>Cyanopepla arrogans</i> (Walker, 1854)					
? <i>Cyanopepla jalifa</i> (Boisduval, 1870)					
<i>Aclytia</i> sp. PBL			x		x
<i>Aclytia punctata</i> Butler, 1876 TL, PBL				x	
<i>Aclytia heber</i> (Cramer, 1780) EAPZ, PBL			x	x	x
<i>Aclytia albistriga</i> Schaus, 1910 PBL		x			
<i>Aclytia reducta</i> Rothschild, 1912 or nr. PBL	x	x	x		x
<i>Mydromera notochloris</i> (Boisduval, 1870) CURLA					x
<i>Agyrta dux</i> Walker, 1854 PBL		x			
<i>Ptychotrichos episcepsidis</i> Dyar, 1914 PBL		x			x
<i>Delphyre testacea</i> (Druce, 1884) PBL	x	x	x		x
<i>Delphyre hebes</i> Walker, 1854 TL					
<i>Neacerea rufiventris</i> Schaus, 1894 or nr. PBL					x
<i>Heliura rhodophila</i> (Walker, 1856) PBL, TLS	x	x			x
<i>Heliura tetragramma</i> (Walker, 1854)					
<i>Eucereon atriguttum</i> Druce, 1905 EAPZ					
<i>Eucereon aurantiaca</i> (Rothschild, 1909) PBL			x		
<i>Eucereon latifascia</i> Walker, 1856 PBL					x
<i>Eucereon pilatii</i> Walker, 1854 TL					
<i>Eucereon varium</i> (Walker, 1854) PBL			x		x
<i>Eucereon aroa</i> Schaus, 1894 PBL		x			
<i>Eucereon rosadora</i> Dyar, 1910 PBL		x			x
<i>Eucereon rosa</i> (Walker, 1854) TL					
<i>Eucereon balium</i> Hampson, 1898 TL, PBL			x		x
<i>Eucereon maja</i> Druce, 1884 PBL					x
<i>Eucereon obscurum</i> Möschler, 1872 PBL					x
<i>Eucereon pseudarchias</i> Hampson, 1898					
<i>Correbidia elegans</i> (Druce, 1884) PBL		x	x		x
<i>Correbidia germana</i> Rothschild, 1912 or nr. PBL		x			x
<i>Correbidia undulata</i> (Druce, 1884) PBL		x	x	x	x
<i>Correbidia costinotata</i> Schaus, 1911 or nr. PBL			x		x
<i>Hyaleucerea vulnerata</i> Butler, 1875 PBL		x		x	x
<i>Hyaleucerea gigantea</i> (Druce, 1884) PBL		x			
<b>Herminiinae</b>					
<i>Macrochilo andaca</i> (Druce, 1891) PBL		x			
<i>Macrochilo</i> sp. PBL	x				
<i>Bleptina hydrillalis</i> Guenée, 1854 TLS					
<i>Lascoria</i> sp. PBL		x	x		
<i>Palthis</i> sp. nr. <i>bizialis</i> (Walker, 1859) PBL		x			x
<i>Palthis orasiusalis</i> Walker, 1859 TL					

<b>Hypeninae</b>					
<i>Hypena perialis</i> Schaus, 1904 PBL	x				
<i>Hypena porrectalis</i> Fabricius, 1794 TLS					
<i>Hypena subidalis</i> Guenee, 1854					
<i>Hypena</i> sp. PBL		x			
<i>Trauaxa obliquialis</i> Walker, 1866 PBL	x		x		x
<b>Scoliopteryginae</b>					
<i>Anomis hemiscopsis</i> Dyar, 1914 PBL		x			x
<i>Anomis illita</i> Guenée, 1852 TLS					
<i>Anomis editrix</i> Guenée, 1852 TLS, PBL					x
<i>Anomis sublineata</i> (Walker, 1869) TL					
<i>Alabama argillacea</i> (Hübner, 1823) EAPZ					
<b>Calpinae</b>					
<i>Ceroctena amynta</i> (Stoll, 1782) PBL	x	x		x	x
<i>Sosxetra grata</i> Walker, 1862 PBL	x	x	x	x	x
<i>Lephana</i> sp. nr. <i>tetraphorella</i> Walker, 1866 PBL		x	x		
<i>Lephana</i> sp. PBL					x
<i>Gonodonta biarmata</i> Guenée, 1852 PBL		x	x		x
<i>Gonodonta bidens</i> Geyer, 1832 PBL		x		x	x
<i>Gonodonta nitidimacula</i> Guenée, 1852 PBL		x			x
<i>Gonodonta parens</i> Guenée, 1852 PBL			x		
<i>Gonodonta pyrgo</i> (Cramer, 1777) PBL		x		x	x
<i>Gonodonta sinaldus</i> Guenée, 1852 PBL	x	x	x	x	x
<i>Gonodonta uxor</i> (Cramer, 1780) PBL		x			
<i>Gonodonta syrna</i> Guenée, 1852 PBL			x		x
<i>Gonodonta indentata</i> (Hampson, 1926) PBL				x	
<i>Gonodonta immacula</i> Guenée, 1852					
<i>Gonodonta</i> sp. PBL					x
<i>Graphigona regina</i> (Guenée, 1852) PBL		x			
<i>Oraesia nobilis</i> Felder and Rogenhofer, 1874 PBL		x			x
<i>Obroatis distincta</i> Butler, 1879 PBL		x	x		
<i>Plusiodonta clavifera</i> (Walker, 1868) TL, PBL		x	x		
<i>Herminodes atosignata</i> (Walker, 1858) PBL	x	x	x	x	
<i>Eudocima apta</i> (Walker, [1858]) EAPZ					
<i>Eudocima procus</i> (Cramer, 1777) EAPZ					
<i>Dyops chromatophila</i> Walker, 1858 PBL		x			
<i>Dyops dotata</i> (Walker, 1869) TL					
<i>Pseudbarydia severa</i> (Druce, 1889) PBL			x		
<i>Pararcte schneideriana</i> Stoll, 1780 PBL		x	x		
<i>Mazacyla relata</i> (Walker, 1858) PBL		x			
<i>Lepidodes gallopavo</i> Walker, 1856 PBL	x	x			x
<i>Gorgone fellearis</i> Hübner, 1823 PBL		x			
<i>Tautobriga glaucopis</i> (Hampson, 1926) PBL	x				
<i>Tautobriga euspila</i> (Walker, 1869) TL, PBL					x
<i>Oxidercia thaumantis</i> Hampson, 1926 PBL			x		x
<i>Oxidercia toxea</i> (Stoll, 1782) or nr. PBL	x		x		x
<b>Incertae sedis (Calpinae)</b>					
<i>Arabriga bimaculata</i> Walker, 1869 TL					
<i>Azatha retardens</i> Walker, 1858 TL					

<i>Briarda semiplaga</i> Walker, 1859 TL					
<i>Canatha subangulalis</i> (Walker, [1866]) TL					
<i>Leucotela nigripalpis</i> (Walker, [1866]) TL					
<i>Peteroma discisigna</i> (Walker, [1858]) TL					
<b>Hypocalinae</b>					
<i>Hypocala andremona</i> (Stoll, [1781]) PBL, TLS			x		
<i>Goniapteryx servia</i> (Cramer, 1782) PBL					x
<b>Eublemminae</b>					
<i>Eublemma cinnamomea</i> (Herrich-Schäffer, 1868) PBL		x	x		
<b>Phytometrinae</b>					
<i>Mursa phtisialis</i> Guenée, 1854 TLS, PBL		x	x		
<i>Phytometra flacillalis</i> (Walker, 1859) TL					
<i>Cecharismena darconis</i> (Schaus, 1913) PBL	x	x			
<i>Radara aquilalis</i> Schaus, 1916 or nr. PBL		x	x		x
<i>Radara nezeila</i> (Schaus, 1906) PBL		x	x		x
<i>Radara nealcesalis</i> (Walker, 1859) PBL		x			x
<i>Radara zoum</i> (Dyar, 1914) PBL			x		
<i>Radara</i> sp. PBL		x	x		
<i>Isogona natatrix</i> Guenée, 1852 TLS					
<b>Anobinae</b>					
<i>Anoba pohli</i> (Felder and Rogenhofer, 1874) PBL		x	x		
<i>Baniana ostia</i> Druce, 1898 PBL			x		
<i>Baniana suggesta</i> (Walker, 1858) TL					
<i>Baniana ypita</i> Schaus, 1901 PBL			x		
<b>Erebinae</b>					
<b>Thermesiini</b>					
<i>Hemeroblemma opigena</i> (Drury, 1773) PBL, TLS			x		x
<i>Hemeroblemma acron</i> (Cramer, 1779) PBL			x		x
<i>Hemeroblemma dolosa</i> Hübner, [1823] PBL					x
<i>Hemeroblemma mexicana</i> (Guenée, 1852)					
<i>Hemeroblemma</i> sp. PBL					x
<i>Thermesia sobria</i> Walker, 1865 TL					
<i>Letis buteo</i> Guenée, 1852 PBL	x	x	x	x	x
<i>Letis herilia</i> (Stoll, 1780) PBL		x			x
<i>Letis mycerina</i> (Cramer, 1777)					
<i>Thysania agrippina</i> (Cramer, 1776) PBL, EAPZ			x		
<i>Ascalapha odorata</i> (Linnaeus, 1758) PBL, EAPZ		x	x		
<b>Catocalini</b>					
<i>Argidia</i> sp. nr. <i>hypoxantha</i> (Hampson, 1926) PBL					x
<i>Hemicephalis agenoria</i> (Druce, 1890) PBL			x		
<i>Ramphia albizona</i> (Latreille, 1817) PBL			x		x
<i>Hypogrammodes balma</i> Guenée, 1852 PBL			x		x
<b>Metipotini</b>					
<i>Melipotis perpendicularis</i> (Guenée, 1852) EAPZ, TLS					
<i>Melipotis fasciolaris</i> (Hübner, 1825) PBL			x		
<i>Melipotis descreta</i> (Walker, [1858]) TL					
<i>Melipotis famelica</i> (Guenée, 1852) TLS, PBL			x		
<i>Melipotis nigrobasis</i> (Guenée, 1852) PBL					x
<i>Melipotis</i> sp. PBL			x		

<i>Orodesma schausi</i> (Druce, 1890) PBL		x			
<b>Euclidiini</b>					
<i>Ptichodis bistrigata</i> Hübner, 1818					
<i>Celiptera</i> sp. PBL		x	x		x
<i>Mocis latipes</i> (Guenée, 1852) EAPZ, PBL		x	x		x
<i>Mocis marcida</i> (Guenée, 1852) EAPZ					
<i>Mocis texana</i> (Morrison, 1875) EAPZ					
<i>Mocis diffluens</i> (Guenée, 1852) TLS					
<i>Mocis disseverans</i> Walker, 1858 TLS					
<i>Mocis dyndima</i> (Stoll, 1782) PBL					x
<b>Poaphilini</b>					
<i>Dysgonia expediens</i> (Walker, 1858) PBL			x	x	x
<i>Dysgonia purpurata</i> Kaye, 1901 PBL			x		x
<b>Ophiusiini</b>					
<i>Lesmone formularis</i> (Geyer, 1837) or nr. PBL		x			
<i>Epidromia tinctifera</i> (Walker, 1858) TL					
<i>Epidromia</i> sp. <i>pannosa</i> Guenée, 1852 or nr. KC	x				
<i>Itomia lignaris</i> Hubner, 1823					
<i>Itomia multilinea</i> Walker, 1858					
<i>Itomia opistographa</i> Guenée, 1852 or nr. PBL			x		
<i>Helia celita</i> (Schaus, 1912) or nr. PBL	x		x		
<i>Helia argentipes</i> (Walker, 1869) TL					
<i>Selenisa sueroides</i> (Guenée, 1852) PBL	x		x	x	x
<i>Euclystis insana</i> (Guenée, 1852) PBL, TLS			x		
<i>Euclystis plusiodes</i> (Walker, 1858) PBL		x		x	
<i>Coenipeta bibitrix</i> (Hübner, 1823) EAPZ, PBL			x		
<i>Coenipeta hemiplagia</i> Felder and Rogenhoffer, 1874 EAPZ					
<i>Coenipeta damonia</i> (Stoll, 1782) or nr. PBL			x		
<i>Coenipeta tanais</i> (Cramer, 1776) PBL					x
<i>Coenipeta</i> sp. nr. <i>medalba</i> Schaus 1906 PBL					x
<i>Coenipeta phasis</i> Cramer, 1977 or nr. PBL					x
<i>Metria endopolia</i> (Dyar, 1917) or nr. PBL					x
<i>Metria aperta</i> (Walker, [1858]) PBL			x		
<i>Metria simplicior</i> (Walker, [1858]) TL					
<i>Metria</i> spp. 1-4 PBL		x	x		x
<i>Kakopoda progenies</i> (Guenée, 1852) TLS					
<i>Toxonprucha diffundens</i> Walker, 1858 TLS					
<i>Homoptera brevipennis</i> Walker, 1869 TL					
<i>Ophisma minna</i> Guenée, 1852 PBL		x			
<i>Ophisma tropicalis</i> Guenée, 1852 PBL			x	x	x
<i>Achaea lienardi</i> Boisduval, 1833 PBL			x		
<i>Amolita</i> sp. 1 PBL					x
<i>Amolita</i> sp. 2 PBL		x			x
<b>Incertae sedis (Erebinae)</b>					
<i>Calyptis semicuprea</i> (Walker, 1857) PBL			x		x
<i>Catephiodes trinidadensis</i> (Kaye, 1901) PBL		x			
<i>Coenobela paucula</i> (Walker, 1858) TL					
<i>Nymbis iniqua</i> Guenée, 1852 TLS					
<i>Perasia helvina</i> (Guenée, 1852)					



<i>Ptichodes basilans</i> (Guenée, 1852)					
<b>Eulepidotinae</b>					
<b>Eulepidotini</b>					
<i>Eulepidotis addens</i> (Walker, 1858) EAPZ, PBL					x
<i>Eulepidotis alabastraria</i> Hübner, 1823 PBL		x	x		x
<i>Eulepidotis electa</i> Dyar, 1914 PBL			x	x	x
<i>Eulepidotis carcostola</i> Hampson, 1926 PBL			x		x
<i>Eulepidotis hermura</i> Schaus, 1898 PBL		x	x		x
<i>Eulepidotis inclyta</i> Fabricius, 1997 PBL		x	x	x	
<i>Eulepidotis juncida</i> Guenée, 1852 TLS, PBL					x
<i>Eulepidotis modestula</i> (Herrich-Schäffer, 1869) PBL	x				x
<i>Eulepidotis perducens</i> (Walker, 1858) PBL		x	x	x	x
<i>Eulepidotis punctilinea</i> Schaus, 1921 PBL		x	x	x	x
<i>Eulepidotis testaceiceps</i> Felder, 1874 PBL		x	x		x
<i>Eulepidotis suppura</i> Dyar, 1914 EAPZ					
<i>Eulepidotis</i> sp. PBL			x		
<i>Obrima pyraloides</i> Walker, 1865 TL					
<b>Panopodini</b>					
<i>Anticarsia gemmatalis</i> Hübner, 1818 EAPZ, TLS, PBL				x	
<i>Anticarsia anisospila</i> (Walker, 1869) TL					
<i>Azeta rhodogaster</i> Guenée, 1852 EAPZ, PBL	x	x	x	x	x
<i>Azeta ceramina</i> Hübner, [1821] TLS					
<i>Azeta signans</i> Walker EAPZ					
<i>Athyryma adjutrix</i> auth. not (Cramer, 1780) PBL					x
<b>Eulepidotinae (<i>incertae sedis</i>)</b>					
<i>Antiblemma amarga</i> (Schaus, 1911) PBL		x	x		
<i>Antiblemma hamilcar</i> (Schaus, 1914) PBL	x	x	x		x
<i>Antiblemma incarnans</i> Felder and Rogenhoffer, 1874 PBL	x	x		x	
<i>Antiblemma imitans</i> (Walker, 1858) TL					
<i>Antiblemma memoranda</i> Schaus, 1911 PBL		x	x	x	
<i>Antiblemma neptis</i> (Cramer, 1779) PBL					x
<i>Antiblemma rufinans</i> Guenée, 1852 TLS					
<i>Antiblemma sterope</i> (Stoll, 1780)					
<i>Antiblemma sufficiens</i> (Walker, 1858) TL					
<i>Antiblemma</i> sp. PBL	x	x	x		x
<i>Epitaua atriplaga</i> (Walker, 1858) PBL			x		
<i>Litoprosopus conflagens</i> (Walker, [1858]) TL					
<b>EUTELIIDAE</b>					
<b>Euteliinae</b>					
<i>Paectes abrostoloides</i> Guenée, 1852 TLS					
<i>Paectes albescens</i> Hampson, 1912 TL					
<i>Paectes fovifera</i> Hampson, 1912 PBL		x	x		
<i>Paectes fuscescens</i> (Walker, 1855) TL					
<i>Paectes glauca</i> (Hampson, 1905) PBL			x		
<i>Paectes lunodes</i> Guenée, 1852 TL					
<i>Eutelia auratrix</i> Walker, 1858 PBL					x
<i>Eutelia</i> sp. PBL		x			
<b>NOLIDAE</b>					
<i>Meganola leucostola</i> (Hampson, 1900) PBL	x	x	x		x

<i>Nola turbana</i> Schaus, 1921 or nr. PBL			x		
<i>Neostictoptera nigropuncta</i> Druce, 1900 or nr. PBL	x				
<i>Iscadia argentea</i> (Walker, 1869)					
<i>Iscadia furcifera</i> (Walker, 1869) TLS					
<b>NOCTUIDAE</b>					
<b>Plusiinae</b>					
<b>Argyrogrammatini</b>					
<i>Argyrogramma verruca</i> (Fabricius, 1794) PBL			x		x
<i>Trichoplusia ni</i> (Hübner, [1803]) EAPZ					
<i>Chrysodeixis includens</i> (Walker, [1858]) EAPZ					
<b>Plusiini</b>					
<i>Autoplusia egena</i> (Guenée, 1852) EAPZ					
<b>Bagisarinae</b>					
<i>Bagisara patula</i> (Druce, 1898) PBL		x	x		x
<i>Bagisara repanda</i> (Fabricius, 1793) PBL		x			
<i>Amyna octo</i> Guenée, 1852 TLS					
<b>Cydosiinae</b>					
<i>Cydosia curvinella</i> Guenée, 1879 EAPZ, PBL	x		x	x	x
<i>Cydosia phaedra</i> Druce, 1897 TL					
<b>Eustrotiinae</b>					
<i>Tripudia furcula</i> Pogue, 2009					
<i>Marimatha botyoides</i> (Guenée, 1852) PBL, TLS		x		x	x
<i>Marimatha</i> sp. PBL	x	x			x
<b>Acontiinae</b>					
<i>Acontia tetragona</i> Walker, [1858] TL					
<i>Acidaliodes celenna</i> Druce, 1892 PBL		x			
<b>Diphtherinae</b>					
<i>Diphthera festiva</i> (Fabricius, 1775) EAPZ, PBL		x		x	x
<b>Acronictinae</b>					
<i>Argyrosticta ditissima</i> (Walker, [1858]) PBL			x	x	x
<i>Argyrosticta vauaurea</i> (Hampson, 1908) PBL			x		x
<i>Antachara rotundata</i> Walker, 1858 PBL	x		x	x	x
<b>Amphipyridae</b>					
<i>Metaponpneumata rogenhoferi</i> Möschler, 1890 EAPZ					
<i>Cropia connecta</i> (Smith, 1894) EAPZ					
<i>Cropia philia</i> (Druce, 1889) PBL			x		
<b>Oncocnemidinae</b>					
<i>Neogalea sunia</i> (Guenée, 1852)					
<b>Agaristinae</b>					
<i>Darceta falcata</i> (Druce, 1883) PBL	x				
<i>Darceta proserpina</i> (Stoll, [1782]) PBL			x		
<i>Epithisanotia sanctijohannis</i> Stephens, 1850 PBL			x		
<i>Seirocastnia amalthea</i> (Dalman, 1823)					
<i>Vespola caerulifera</i> (Walker, 1867) PBL			x		
<b>Condicinae</b>					
<b>Condicini</b>					
<i>Condica cupienta</i> (Cramer, 1780) PBL		x			x
<i>Condica mobilis</i> Walker, [1857] TLS					
<i>Condica subaurea</i> (Guenée, 1852)					

<i>Condica subornata</i> (Walker, 1865) or nr. PBL		x	x		
<i>Condica mimica</i> (Hampson, 1908) PBL	x	x	x	x	x
<i>Condica imitata</i> (Druce, 1891) PBL			x		x
<i>Condica sutor</i> (Guenée, 1852) PBL	x		x		
<i>Condica</i> sp. 1 PBL	x	x	x		x
<i>Condica</i> sp. 2 PBL		x			
<b>Leuconyctini</b>					
<i>Diastema tigris</i> Guenée, 1852 PBL				x	x
<i>Micrathetis dasarada</i> (Druce, 1898) PBL	x	x			
<i>Micrathetis triplex</i> (Walker, 1857) TL					
<b>Heliothinae</b>					
<i>Helicoverpa zea</i> (Boddie, 1850) EAPZ					
<i>Heliothis virescens</i> (Fabricius, 1777) EAPZ					
<b>Eriopinae</b>					
<i>Callopietria rivularis</i> (Walker, [1858]) PBL		x	x		x
<i>Callopietria floridensis</i> (Guenée, 1852) PBL		x	x	x	x
<b>Noctuinae</b>					
<b>Phosphilini</b>					
<i>Spodoptera exigua</i> (Hübner, [1808]) EAPZ					
<i>Spodoptera frugiperda</i> (J.E. Smith, 1797) EAPZ					
<i>Spodoptera ornithogalli</i> (Guenée, 1852) EAPZ					
<i>Spodoptera latifascia</i> (Walker, 1856) EAPZ					
<i>Spodoptera dolichos</i> (Fabricius, 1794) EAPZ					
<i>Spodoptera eridania</i> (Cramer, 1784) EAPZ					
<i>Spodoptera albula</i> (Walker, 1857) TL, EAPZ					
<i>Spodoptera</i> spp. PBL			x		x
<b>Elaphriini</b>					
<i>Elaphria deltoides</i> (Möschler, 1880) PBL			x		x
<i>Elaphria agrotina</i> (Guenée, 1852) PBL		x	x		x
<i>Elaphria</i> sp. nr. <i>perigeana</i> (Schaus, 1911) PBL		x			x
<i>Elaphria</i> sp. 1 PBL			x		
<i>Elaphria</i> sp. 2 PBL					x
<i>Gonodes liquida</i> (Möschler, 1886) PBL					x
<b>Dypterygiini</b>					
<i>Neophaenis respondens</i> (Walker, 1858)					
<b>Xylenini</b>					
<i>Xylina subcostalis</i> Walker, 1869 TL					
<b>Hadenini</b>					
<i>Stauropides persimilis</i> Hampson, 1909 PBL		x			x
<b>Leucaniini</b>					
<i>Mythimna unipuncta</i> (Haworth, 1809) EAPZ					
<i>Leucania inconspicua</i> Herrich-Schäffer, 1868 PBL		x			
<i>Leucania multilinea</i> Walker, 1856 TLS					
<b>Noctuini</b>					
<i>Anicla infecta</i> (Ochsenheimer, 1816) EAPZ, TLS					
<i>Agrotis ipsilon</i> (Hufnagel, 1766) EAPZ					
<i>Agrotis subterranea</i> (Fabricius, 1794) EAPZ					
<b>Stictopterinae</b>					
<i>Nagara vitrea</i> (Guenée, 1852) PBL			x	x	

--- HESPERIOIDEA ---					
<b>HESPERIIDAE</b>					
<b>Eudaminae</b>					
<i>Phocides polybius lilea</i> (Reakirt, [1867]) EAPZ, RLMM					
<i>Phocides distans licinus</i> (Möschler, 1879)					
<i>Phocides metrodorus nigrescens</i> E. Bell, 1938 RLMM					
<i>Phocides thermus thermus</i> (Mabille, 1883)					
<i>Phocides p. pigmalion</i> (Cramer, 1779)					
<i>Tarsoctenus corytus gaudialis</i> (Hewitson, 1876) RLMM					
<i>Phanus vitreus</i> (Stoll, 1781)					
<i>Phanus obscurior obscurior</i> Kaye, 1925 RLMM					
<i>Phanus marshallii</i> (Kirby, 1880)					
<i>Udranomia kikkawai</i> (Weeks, 1906) PBL			x		
<i>Drephalys oria</i> Evans, 1952 TL					
<i>Drephalys oriander</i> (Hewitson, 1867)					
<i>Drephalys alcmon</i> (Cramer, 1779)					
<i>Hyalothyruus neleus pemphigargyra</i> (Mabille, 1888) PBL, RLMM		x			
<i>Entheus crux</i> Steinhauser, 1989 RLMM					
<i>Proteides mercurius mercurius</i> (Fabricius, 1787)					
<i>Epargyreus exadeus cruza</i> Evans, 1952					
<i>Epargyreus aspina</i> Evans, 1952 PBL		x	x		
<i>Epargyreus spina spina</i> Evans, 1952					
<i>Epargyreus clavicornis gaumeri</i> Godman and Salvin, 1893 TL					
<i>Polygonus savigny savigny</i> (Latreille, [1824]) PBL, RLMM		x	x		
<i>Chioides albofasciatus</i> (Hewitson, 1867)					
<i>Chioides catillus albius</i> Evans, 1952 RLMM					
<i>Chioides zilpa</i> (Butler, 1872)					
<i>Aguna asander asander</i> (Hewitson, 1867)					
<i>Aguna claxon</i> Evans, 1952					
<i>Aguna aurunce hypozeonius</i> (Plötz, 1880) RLMM, PBL					x
<i>Aguna panama</i> Austin and Mielke, 1998					
<i>Typhedanus undulatus</i> (Hewitson, 1867) PBL, ER, RLMM					x
<i>Typhedanus ampyx</i> (Godman and Salvin, 1893)					
<i>Polythrix octomaculata</i> (Sepp, [1844]) CURLA					x
<i>Polythrix asine</i> (Hewitson, 1867) PBL, EAPZ, RLMM					
<i>Polythrix metallescens</i> (Mabille, 1888) EAPZ					
<i>Cephise aelius</i> (Plötz, 1880) PBL			x		
<i>Codattractus c. carlos</i> Evans, 1952 TL, RLMM					
<i>Codattractus a. alcaeus</i> (Hewitson, 1867)					
<i>Codattractus bryaxis</i> (Hewitson, 1867) RLMM					
<i>Codattractus cyda</i> (Godman, 1901) TL					
<i>Ridens mephitis</i> (Hewitson, 1876)					
<i>Urbanus p. proteus</i> (Linnaeus, 1758) PBL, CURLA, RLMM			x		
<i>Urbanus viterboana</i> (Ehrmann, 1907)					
<i>Urbanus belli</i> (Hayward, 1935) PBL		x		x	
<i>Urbanus pronta</i> Evans, 1952 TL					
<i>Urbanus esmeraldus</i> (Butler, 1877) PBL		x			
<i>Urbanus d. dorantes</i> (Stoll, 1790) PBL		x		x	x
<i>Urbanus procne</i> (Plötz, 1881) PBL, RLMM		x			

<i>Urbanus simplicius</i> (Stoll, 1790) PBL, RLMM	x	x	x	x	x
<i>Urbanus teleus</i> (Hübner, 1821) PBL, CULA		x		x	x
<i>Urbanus tanna</i> Evans, 1952 PBL		x	x	x	
<i>Urbanus d. doryssus</i> (Swainson, 1831) EAPZ, RLMM					
<i>Urbanus a. albimargo</i> (Mabille, 1875) EAPZ, RLMM					
<i>Astraptes talus</i> (Cramer, 1777) EAPZ, RLMM					
<i>Astraptes "fulgurator azul"</i> (Reakirt, [1867]) Complex PBL					x
<i>Astraptes tucuti</i> (R. Williams, 1927) RLMM					
<i>Astraptes brevicauda</i> (Plötz, 1886)					
<i>Astraptes e. egregius</i> (Butler, 1870)					
<i>Astraptes enotrus</i> (Stoll, 1781)					
<i>Astraptes janeira</i> (Schaus, 1902) PBL, RLMM			x		x
<i>Astraptes alardus latia</i> Evans, 1952 RLMM, PBL			x	x	
<i>Astraptes alector hopfferi</i> (Plötz, 1881) PBL, RLMM				x	
<i>Astraptes chiriquensis chiriquensis</i> (Staudinger, 1876)					
<i>Astraptes weymeri</i> (Plötz, 1882) PBL				x	
<i>Astraptes anaphus annetta</i> Evans, 1952 PBL					x
<i>Astraptes phalaecus</i> (Godman and Salvin, 1893) PBL		x			
<i>Narcosius parisi helen</i> (Evans, 1952) TL					
<i>Narcosius c. colossus</i> (Herrich-Schäffer, 1869)					
<i>Narcosius nazaraeus</i> Steinhauser, 1986					
<i>Autochton vectilucis</i> (Butler, 1872)					
<i>Autochton neis</i> (Geyer, 1832) RLMM, PBL					x
<i>Autochton longipennis</i> (Plötz, 1882) PBL, CURLA		x	x	x	x
<i>Autochton zarex</i> (Hübner, 1818) PBL, RLMM	x				
<i>Autochton bipunctatus</i> (Gmelin, 1790)					
<i>Achalarus a. albociliatus</i> (Mabille, 1877) RLMM					
<i>Achalarus toxeus</i> (Plötz, 1882) PBL					x
<i>Thessia jalapus</i> (Plötz, 1881) PBL					x
<i>Cabares p. potrillo</i> (Lucas, 1857) RLMM					
<i>Spathilepia clonius</i> (Cramer, 1775) PBL	x		x		x
<i>Cogia c. cajeta</i> (Herrich-Schäffer, 1869) ER					x
<i>Cogia calchas</i> (Herrich-Schäffer, 1869) PBL, ER, CURLA, RLMM		x	x		x
<i>Cogia c. caicus</i> (Herrich-Schäffer, 1869) RLMM					
<i>Telemiades avitus</i> (Stoll, 1781)					
<i>Telemiades oichlus</i> (Mabille, 1889)					
<i>Telemiades megallus</i> Mabille, 1888					
<i>Telemiades fides</i> Bell, 1949					
<i>Bungalotis erythus</i> (Cramer, 1775) RLMM, PBL			x		
<i>Bungalotis midas</i> (Cramer, 1775) PBL					x
<i>Bungalotis astylos</i> (Cramer, 1780) PBL	x	x			x
<i>Bungalotis q. quadratum</i> (Sepp, [1845]) RLMM					
<i>Nicephellus nicephorus</i> (Hewitson, 1876)					
<i>Dyscophellus diaphorus</i> (Magille and Boulet, 1912) PBL					x
<i>Dyscophellus phraxanor lama</i> Evans, 1952 PBL	x				x
<i>Dyscophellus ramon</i> Evans, 1952 PBL, RLMM					x
<i>Nascus phocus</i> (Cramer, 1777) PBL, RLMM	x				
<i>Nascus solon corilla</i> Evans, 1952					
<i>Pseudonascus paullinae</i> (Sepp, [1842]) EAPZ, RLMM					

<i>Porphyrogenes zohra</i> (Möschler, 1879)					
<i>Porphyrogenes sula</i> (Williams and Bell, 1940) TL					
<i>Porphyrogenes passalus</i> (Herrich-Schäffer, 1869) PBL				x	
<i>Porphyrogenes virgatus</i> (Mabille, 1888)					
<b>Pyrginae</b>					
<i>Myscelus amystis hages</i> Godman and Salvin, 1893					
<i>Passova gellias</i> (Godman and Salvin, 1893)					
<i>Pyrrhopyge zenodorus</i> Godman and Salvin, 1893 RLMM					
<i>Chalypyge chalybea chloris</i> (Evans, 1951) EAPZ					
<i>Yanguna cosyra</i> (H. Druce, 1875)					
<i>Melanopyge erythrostickta</i> (Godman and Salvin, 1879)					
<i>Elbella scylla</i> (Ménétriés, 1855) EAPZ					
<i>Elbella p. patrobas</i> (Hewitson, 1857)					
<i>Mysoria barcastus ambigua</i> (Mabille and Boulet, 1908) TL					
<i>Celaenorrhinus monartus</i> (Plötz, 1884) RLMM					
<i>Celaenorrhinus fritzgaertneri</i> (Bailey, 1880)					
<i>Celaenorrhinus stola</i> Evans, 1952					
<i>Celaenorrhinus c. cynapes</i> (Hewitson, 1870)					
<i>Arteurotia t. tractipennis</i> Butler and H. Druce, 1872					
<i>Polyctor enops</i> (Godman and Salvin, 1894)					
<i>Nisoniades godma</i> Evans, 1953					
<i>Nisoniades rubescens</i> (Möschler, 1877)					
<i>Nisoniades ephora</i> (Herrich-Schäffer, 1870) PBL			x		
<i>Nisoniades macarius</i> (Herrich-Schäffer, 1870)					
<i>Nisoniades castolus</i> (Hewitson, 1878)					
<i>Pachyneuria licisca</i> (Plötz, 1882) PBL, RLMM	x		x		
<i>Pellicia arina</i> Evans, 1953 RLMM					
<i>Pellicia d. dimidiata</i> Herrich-Schäffer, 1870 PBL, RLMM				x	
<i>Noctuana lactifera bipuncta</i> (Plötz, 1884)					
<i>Noctuana stator</i> (Godman and Salvin, 1899)					
<i>Cyclosemia anastomosis</i> Mabille, 1878 PBL				x	
<i>Cyclosemia pedro</i> R. Williams and E. Bell, 1940 TL					
<i>Gorgopas c. chlorocephala</i> (Herrich-Schäffer, 1870) CURLA			x		
<i>Bolla cylindus</i> (Godman and Salvin, 1896)					
<i>Bolla cupreiceps</i> (Mabille, 1891) TL, PBL, RLMM				x	
<i>Bolla imbras</i> (Godman and Salvin, 1896) [= <i>pullata</i> ] PBL	x	x			
<i>Bolla clytius</i> (Godman and Salvin, 1897) PBL					x
<i>Staphylus vulgata</i> (Möschler, 1879) PBL	x	x			
<i>Staphylus ascalaphus</i> (Staudinger, 1876) PBL				x	
<i>Staphylus azteca</i> (Scudder, 1872) TLS, PBL			x		x
<i>Gorgythion begga pyralina</i> (Möschler, 1877) PBL	x	x	x		
<i>Gorgythion vox</i> Evans, 1953					
<i>Sostrata nordica</i> Evans, 1953 PBL, RLMM			x	x	
<i>Mylon lassia</i> (Hewitson, 1868)					
<i>Mylon maimon</i> (Fabricius, 1775) PBL				x	
<i>Mylon pelopidas</i> (Fabricius, 1793)					
<i>Mylon jason</i> (Ehrmann, 1907)					
<i>Timochares t. trifasciata</i> (Hewitson, 1868) RLMM, PBL					x
<i>Anastrus s. sempiternus</i> (Butler and H. Druce, 1872) PBL, RLMM			x	x	



<i>Anastrus t. tolimus</i> (Plötz, 1884) PBL, RLMM			x		
<i>Anastrus petius peto</i> Evans, 1953					
<i>Anastrus n. neaeris</i> (Möschler, 1879) RLMM					
<i>Tosta platypterus</i> (Mabille, 1895) TL					
<i>Ebrietas a. anacreon</i> (Staudinger, 1876) PBL, EAPZ			x		x
<i>Ebrietas evanidus</i> Mabille, 1898					
<i>Helias cama</i> Evans, 1953 PBL, RLMM	x	x	x	x	x
<i>Camptopleura theramenes</i> Mabille, 1877					
<i>Cycloglypha t. thrasibulus</i> (Fabricius, 1793) RLMM, PBL				x	
<i>Theagenes aegides</i> (Herrich-Schäffer, 1869) RLMM					
<i>Chiomara g. georgina</i> (Reakirt, 1868) ER, RLMM					x
<i>Chiomara mithrax</i> (Möschler, 1879)					
<i>Gesta invisus</i> (Butler and H. Druce, 1872) PBL, RLMM					x
<i>Erynnis tristis tatius</i> (W. H. Edwards, 1883)					
<i>Erynnis funeralis</i> (Scudder and Burgess, 1870) RLMM					
<i>Aethilla lavochorea</i> Butler, 1872					
<i>Aethilla e. echina</i> Hewitson, 1870					
<i>Achlyodes busirus heros</i> Ehrmann, 1909 PBL, RLMM			x		x
<i>Achlyodes pallida</i> (R. Felder, 1869) RLMM					
<i>Eantis thraso</i> (Hübner, [1807]) PBL, CURLA, RLMM			x		x
<i>Doberes anticus</i> (Plötz, 1884) RLMM					
<i>Ouleus salvina</i> Evans, 1953 PBL, CURLA, RLMM	x	x	x	x	x
<i>Zera h. hyacinthinus</i> (Mabille, 1877)					
<i>Zera</i> sp. EAPZ					
<i>Quadrus cerialis</i> (Stoll, 1782) PBL, RLMM	x		x	x	x
<i>Quadrus c. contubernalis</i> (Mabille, 1883) PBL, RLMM	x		x		x
<i>Quadrus l. lugubris</i> (R. Felder, 1869)					
<i>Pythonides jovianus amaryllis</i> Staudinger, 1876 RLMM, PBL			x	x	
<i>Pythonides grandis assecla</i> Mabille, 1883					
<i>Pythonides proxenus</i> (Godman and Salvin, 1895) RLMM					
<i>Atarnes sallei</i> (C. and R. Felder, 1867)					
<i>Paches loxus gloriosus</i> Röber, 1925 RLMM					
<i>Carrhenes f. fuscescens</i> (Mabille, 1891) TL					
<i>Carrhenes calidius</i> Godman and Salvin, 1895					
<i>Carrhenes c. canescens</i> (R. Felder, 1869) PBL			x		x
<i>Xenophanes tryxus</i> (Cramer, 1780) PBL, RLMM	x	x	x	x	
<i>Antigonus nearchus</i> (Latreille, 1817) RLMM, PBL				x	x
<i>Antigonus erosus</i> (Hübner, [1812]) PBL, EAPZ, RLMM					x
<i>Antigonus corrosus</i> Mabille, 1878 RLMM					
<i>Zopyrion sandace</i> Godman and Salvin, 1896 ER					x
<i>Anisochoria bacchus</i> Evans, 1953					
<i>Pyrgus adepta</i> Plötz, 1884, ER, EAPZ, RLMM					x
<i>Pyrgus oileus</i> (Linnaeus, 1767) PBL, CA, EAPZ, RLMM	x	x	x	x	x
<i>Helioptetes l. laviana</i> (Hewitson, 1868) RLMM					
<i>Helioptetes m. macaira</i> (Reakirt, [1867])					
<i>Helioptetes arsalte</i> (Linnaeus, 1758) PBL, EAPZ	x	x	x	x	x
<i>Helioptetes alana</i> (Reakirt, 1868) RLMM					
<b>Hesperiinae</b>					
<i>Perichares adela</i> (Hewitson, 1867) PBL, EAPZ, RLMM					x

<i>Perichares aurina</i> Evans, 1955					
<i>Orses cynisca</i> (Swainson, 1821)					
<i>Ancyloxypha arene</i> (W. H. Edwards, 1871) EAPZ					
<i>Copaeodes minima</i> (W. H. Edwards, 1870) ER					x
<i>Argon lota</i> (Hewitson, 1877)					
<i>Talides sergestus</i> (Cramer, 1775)					
<i>Talides cantra</i> Evans, 1955					
<i>Tromba xanthura</i> (Godman, 1901) PBL, RLMM				x	
<i>Carystus p. phorcus</i> (Cramer, 1777) RLMM					
<i>Cobalus fidicula</i> (Hewitson, 1877) RLMM					
<i>Dubiella fiscella belpa</i> Evans, 1955					
<i>Damas clavus</i> (Herrich-Schäffer, 1869) PBL					x
<i>Carystoides basoches</i> (Latreille, [1824])					
<i>Carystoides lila</i> Evans, 1955					
<i>Carystoides hondura</i> Evans, 1955 TL					
<i>Lychnuoides saptine</i> (Godman and Salvin, 1879) RLMM					
<i>Calpodes ethlius</i> (Stoll, 1782) RLMM, PBL			x		
<i>Panoquina ocola</i> (W. H. Edwards, 1863) RLMM					
<i>Panoquina hecebolus</i> (Scudder, 1872) PBL, RLMM		x	x		x
<i>Panoquina lucas</i> (Fabricius, 1793) EAPZ, CURLA, RLMM					x
<i>Panoquina fusina viola</i> Evans, 1955					
<i>Panoquina p. pauper</i> (Mabille, 1878)				x	
<i>Panoquina evadnes</i> (Stoll, 1781)					
<i>Zenis minos</i> (Latreille, [1824])					
<i>Saliana triangularis</i> (Kaye, 1914) RLMM, EAPZ, PBL				x	
<i>Saliana e. esperi</i> Evans, 1955					
<i>Saliana antoninus</i> (Latreille, [1824])					
<i>Saliana longirostris</i> (Sepp, [1840])					
<i>Saliana s. saladin</i> Evans, 1955					
<i>Thracides phidon</i> (Cramer, 1779)					
<i>Thracides arcalaus</i> (Stoll, 1782)					
<i>Aides dysoni</i> Godman, 1900 TL					
<i>Aides brino</i> (Stoll, 1781)					
<i>Neoxeniades s. seron</i> (Godman, 1901) TL					
<i>Neoxeniades luda</i> (Hewitson, 1877)					
<i>Aroma aroma</i> (Hewitson, 1867) RLMM					
<i>Falga sciras</i> Godman, 1901 TL					
<i>Synapte pecta</i> Evans, 1955 PBL	x	x	x	x	
<i>Synapte s. salenus</i> (Mabille, 1893)					
<i>Anthoptus epictetus</i> (Fabricius, 1793) PBL, CURLA, RLMM		x	x	x	x
<i>Anthoptus insignis</i> (Plötz, 1882)					
<i>Corticea corticea</i> (Plötz, 1882) PBL					x
<i>Corticea l. lysias</i> (Plötz, 1883) RLMM					
<i>Mnaseas bicolor</i> (Mabille, 1889) TL					
<i>Zariaspes mys</i> (Hübner, [1808]) RLMM					
<i>Callimormus r. radiola</i> (Mabille, 1878) PBL, RLMM	x	x	x	x	x
<i>Callimormus juvenus</i> Scudder, 1872 PBL			x		
<i>Callimormus saturnus</i> (Herrich-Schäffer, 1869) PBL, CURLA		x	x		x
<i>Mnasicles geta</i> Godman, 1901					

<i>Remella remus</i> (Fabricius, 1798)					
<i>Remella vopiscus</i> (Herrich-Schäffer, 1869) PBL		x	x	x	x
<i>Eutocus facilis</i> (Plötz, 1884) PBL		x		x	
<i>Eutocus v. vetulus</i> (Mabille, 1883) PBL		x			
<i>Eprius veleda veleda</i> (Godman, 1900) PBL	x	x	x	x	x
<i>Methionopsis ina</i> (Plötz, 1882) PBL			x		x
<i>Methionopsis typhon</i> Godman, 1901 PBL		x			
<i>Phanes aletes</i> (Geyer, 1832)					
<i>Monca crispinus</i> (Plötz, 1882) PBL			x		
<i>Nastra julia</i> (H. Freeman, 1945)					
<i>Nastra l. leucone</i> (Godman, 1900)					
<i>Cymaenes tripunctus theogenis</i> (Capronnier, 1874)					
<i>Cymaenes trebius</i> (Mabille, 1891) PBL, CA	x	x	x		
<i>Cymaenes fraus</i> (Godman, 1900)					
<i>Vehilius stictomenes illudens</i> (Mabille, 1891) TL, PBL	x	x	x		x
<i>Vehilius inca</i> (Scudder, 1872) PBL		x			
<i>Mnasilus allubita</i> (Butler, 1877) PBL			x		
<i>Mnasitheus chrysophrys</i> (Mabille, 1891)					
<i>Mnasitheus cephoides</i> Hayward, 1943					
<i>Parphorus s. storax</i> (Mabille, 1891) PBL, CURLA		x			x
<i>Papias dictys</i> Godman, 1900 PBL	x	x			
<i>Papias subcostulata</i> (Herrich-Schäffer, 1870) PBL	x				
<i>Cobalopsis nero</i> (Herrich-Schäffer, 1869) PBL, RLMM	x	x			x
<i>Lerema accius</i> (J. E. Smith, 1797) PBL	x				
<i>Lerema liris</i> Evans, 1955 PBL	x				x
<i>Morys valda</i> Evans, 1955					
<i>Morys micythus</i> (Godman, 1900) PBL		x	x		
<i>Morys lyde</i> (Godman, 1900) PBL, CURLA	x	x	x		x
<i>Niconiades incomptus</i> Austin, 1997					
<i>Niconiades nikko</i> Hayward, 1948 PBL			x		
<i>Niconiades viridis vista</i> Evans, 1955					
<i>Vettius lafrenaye pica</i> (Herrich-Schäffer, 1869) RLMM					
<i>Vettius aurelius</i> (Plötz, 1882) PBL, CURLA, RLMM		x	x		
<i>Vettius fantasos</i> (Cramer, 1780)					
<i>Vettius onaca</i> Evans, 1955					
<i>Paracarystus hypargyra</i> (Herrich-Schäffer, 1869) RLMM					
<i>Thoon modius</i> (Mabille, 1889)					
<i>Justinia</i> sp. PBL	x				
<i>Eutychide complana</i> (Herrich-Schäffer, 1869)					
<i>Eutychide paria</i> (Plötz, 1882)					
<i>Eutychide asema</i> (Mabille, 1891) TL					
<i>Naevolus orius</i> (Mabille, 1883)					
<i>Enosis i. immaculata</i> (Hewitson, 1868)					
<i>Vertica verticalis coatepeca</i> (Schaus, 1902)					
<i>Rhinthon osca</i> (Plötz, 1882)					
<i>Hylephila p. phyleus</i> (Drury, 1773) ER, RLMM					x
<i>Polites subreticulata</i> (Plötz, 1883) TLS, ER					x
<i>Polites vibex praeceps</i> (Scudder, 1872) EAPZ, RLMM, ER					x
<i>Wallengrenia o. otho</i> (J. E. Smith, 1797)					

<i>Wallengrenia otho clavus</i> (Erichson, [1849]) PBL		x			
<i>Pompeius pompeius</i> (Latreille, [1824]) PBL, RLMM			x		x
<i>Atalopedes campestris huron</i> (W. H. Edwards, 1863) RLMM					
<i>Poanes zabulon</i> (Boisduval and Le Conte, [1837]) RLMM					
<i>Anatrytone potosiensis</i> (H. Freeman, 1969)					
<i>Anatrytone mella</i> (Godman, 1900)					
<i>Quasimellana eulogius</i> (Plötz, 1882)					
<i>Quasimellana myron</i> (Godman, 1900)					
<i>Euphyes peneia</i> (Godman, 1900)					
<i>Euphyes ampa</i> Evans, 1955 TL					
<i>Metron zimra</i> (Hewitson, 1877)					
<i>Quinta cannae</i> (Herrich-Schäffer, 1869) PBL					x
<i>Cynea irma</i> (Möschler, 1879) RLMM					
<i>Cynea diluta</i> (Herrich-Schäffer, 1869) PBL, RLMM	x	x	x	x	x
<i>Cynea cynea</i> (Hewitson, 1876) PBL		x			
<i>Conga chydaea</i> (Butler, 1877) PBL		x	x	x	x
<i>Decinea decinea derisor</i> (Mabille, 1891) PBL	x				x
<i>Tirynthia conflua</i> (Herrich-Schäffer, 1869) PBL	x				
<i>Nyctelius n. nyctelius</i> (Latreille, [1824]) ER, EAPZ, RLMM					x
<i>Thespieus dalman</i> (Latreille, [1824]) PBL					
<i>Vacerra litana</i> (Hewitson, 1866) PBL		x			x
<i>Xeniades o. orchamus</i> (Cramer, 1777) PBL					x
<b>--- PAPILIONOIDEA ---</b>					
<b>PAPILIONIDAE</b>					
<i>Parides eurimedes mylotes</i> (H. Bates, 1861) PBL, RLMM, EAPZ	x	x	x	x	x
<i>Parides i. iphidamas</i> (Fabricius, 1793) PBL, RLMM, EAPZ	x			x	
<i>Parides c. childrenae</i> (Gray, 1832) PBL, RLMM, EAPZ	x	x	x	x	x
<i>Parides sesostris zestos</i> (Gray, [1853]) TL					
<i>Parides panares lycimenes</i> (Boisduval, 1870) PBL, RLMM, EAPZ				x	
<i>Parides erathalion polyzelus</i> (C. and R. Felder, 1865) PBL, RLMM, EAPZ		x	x	x	
<i>Parides montezuma</i> (Westwood, 1842) RLMM, EAPZ					
<i>Parides photinus</i> (Doubleday, 1844) RLMM, EAPZ					
<i>Battus p. polydamas</i> (Linnaeus, 1758) PBL, RLMM, EAPZ		x	x	x	
<i>Battus laodamas copanae</i> (Reakirt, 1863)					
<i>Battus ingenuus</i> (Dyar, 1907), PBL, RLMM				x	
<i>Battus lycidas</i> (Cramer, 1777)					
<i>Eurytides e. epidaus</i> (Doubleday, 1846) EAPZ					
<i>Eurytides p. philolaus</i> (Boisduval, 1836) RLMM, EAPZ					
<i>Eurytides agesilaus neosilaus</i> (Höpffer, 1865) EAPZ					
<i>Eurytides c. calliste</i> (H. Bates, 1864) RLMM, EAPZ					
<i>Eurytides thyastes marchandii</i> (Boisduval, 1836) RLMM, EAPZ					
<i>Eurytides salvini</i> (H. Bates, 1864)					
<i>Eurytides m. macrosilaus</i> (Gray, [1853]) TL					
<i>Eurytides dioxippus lancandonis</i> (H. Bates, 1864)					
<i>Mimoides t. thymbraeus</i> (Boisduval, 1836) RLMM					
<i>Mimoides ilus branchus</i> (Doubleday, 1846) TL, PBL, RLMM, EAPZ				x	
<i>Mimoides p. phaon</i> (Boisduval, 1836) RLMM, EAPZ					
<i>Papilio polyxenes asterius</i> (Stoll, 1782) EAPZ					
<i>Papilio e. erostratus</i> Westwood, 1847 RLMM					

<i>Papilio garamas electryon</i> H. Bates, 1864					
<i>Papilio v. victorinus</i> E. Doubleday, 1844 RLMM					
<i>Papilio v. vulneratus</i> Butler, 1872					
<i>Papilio birchallii bryki</i> Strand, 1930 RLMM					
<i>Heracles thoas autocles</i> (Rothschild and Jordan, 1906) PBL, CA, RLMM, EAPZ	x	x	x	x	
<i>Heracles cresphontes</i> (Cramer, 1777)					
<i>Heracles astyalus pallas</i> (G. Gray, [1853]) PBL	x	x			
<i>Heracles ornithion</i> (Boisduval, 1836) EAPZ					
<i>Heracles androgeus epidaurus</i> (Godman and Salvin, 1890) EAPZ					
<i>Heracles anchisiades idaeus</i> (Fabricius, 1793) PBL, EAPZ			x		
<i>Heracles paeon thrason</i> (C. and R. Felder, 1865)					
<i>Heracles torquatus tolmides</i> (Godman and Salvin, 1890)					
<b>PIERIDAE</b>					
<b>Dismorphiinae</b>					
<i>Pseudopieris nehemia francisca</i> Lamas, 1979 TL					
<i>Dismorphia amphione praxinoe</i> (Doubleday, 1844) PBL, RLMM, EAPZ				x	
<i>Dismorpha crisia steinhauseri</i> J. and R. G. de la Maza, 1984 RLMM, EAPZ					
<i>Dismorphia theucharila fortunata</i> (Lucas, 1854) PBL, RLMM	x				
<i>Enantia a. albania</i> (H. Bates, 1864)					
<i>Enantia jethys</i> (Boisduval, 1836)					
<i>Enantia lina marion</i> Godman and Salvin 1889					
<i>Lieinix nemesis atthis</i> (Doubleday, 1842) RLMM, EAPZ					
<b>Coliadinae</b>					
<i>Nathalis i. iole</i> Boisduval, 1836 EAPZ					
<i>Eurema albula celata</i> (R. Felder, 1869) PBL, CURLA, CA, RLMM, EAPZ			x	x	
<i>Eurema agave millerorum</i> Llorente and Luis, 1987					
<i>Eurema दौरa eugenia</i> (Wallengren, 1860) PBL, CA, RLMM, EAPZ			x	x	
<i>Eurema x. xanthochlora</i> (Kollar, 1850) RLMM, EAPZ					
<i>Eurema salome jamapa</i> (Reakirt, 1866) RLMM					
<i>Eurema boisduvaliana</i> (C. and R. Felder, 1865) RLMM, EAPZ					
<i>Eurema m. mexicana</i> (Boisduval, 1836) RLMM, EAPZ					
<i>Abaeis nicippe</i> (Cramer, 1779) RLMM, EAPZ					
<i>Pyrisitia proterpia</i> (Fabricius, 1775) PBL, RLMM, EAPZ				x	
<i>Pyrisitia lisa centralis</i> (Herrich Schäffer, 1865) PBL, CA			x		
<i>Pyrisitia nise nelphe</i> (R. Felder, 1869) PBL, RLMM, EAPZ			x	x	
<i>Pyrisitia dina westwoodi</i> (Boisduval, 1836) RLMM, EAPZ					
<i>Zerene c. cesonia</i> (Stoll, 1790) PBL, RLMM, EAPZ				x	
<i>Anteos clorinde</i> (Godart, [1824]) PBL, CA, RLMM, EAPZ		x			
<i>Anteos maerula</i> (Fabricius, 1775) RLMM					
<i>Phoebis sennae marcellina</i> (Cramer, 1777) PBL, CA	x	x	x	x	x
<i>Phoebis p. philea</i> (Linnaeus, 1763) PBL, CA, EAPZ		x	x	x	
<i>Phoebis argante</i> (Fabricius, 1775) PBL, CA, RLMM, EAPZ	x	x	x	x	x
<i>Phoebis a. agarithe</i> (Boisduval, 1836) PBL, EAPZ			x		
<i>Phoebis neocypris virgo</i> (Butler, 1870) PBL, RLMM, EAPZ			x		x
<i>Aphrissa s. statira</i> (Cramer, 1777) PBL, RLMM				x	
<i>Aphrissa boisduvalii</i> (C. and R. Felder, 1861) RLMM					
<i>Rhabdodryas t. trite</i> (Linnaeus, 1758)					
<b>Pierinae</b>					
<i>Hesperocharis c. crocea</i> H. Bates, 1866 RLMM					

<i>Glutophrissa drusilla tenuis</i> (Lamas, 1981) PBL, EAPZ			x		
<i>Melete lycimnia isandra</i> (Boisduval, 1836) PBL, RLMM, EAPZ			x		
<i>Catasticta nimbice ochracea</i> (H. Bates, 1864) RLMM					
<i>Pereute charops nigricans</i> Joicey and Talbot, 1928 RLMM					
<i>Archonias brassolis approximata</i> (Butler, 1873) RLMM					
<i>Perrhybris pamela chajulensis</i> J. and R. G. de la Maza, 1989					
<i>Pieriballia v. viardi</i> (Boisduval, 1836) EAPZ					
<i>Itaballia demophile centralis</i> Joicey and Talbot, 1928 RLMM					
<i>Itaballia pandosia kicaha</i> (Reakirt, 1863) TL, RLMM					
<i>Leptophobia aripa elodia</i> (Boisduval, 1836) RLMM					
<i>Ascia m. monuste</i> (Linnaeus, 1764) PBL, RLMM, EAPZ	x	x	x	x	x
<i>Ganyra josephina josepha</i> (Salvin and Godman, 1868) PBL, CA, RLMM, EAPZ	x		x		x
<b>LYCAENIDAE</b>					
<b>Theclinae</b>					
<i>Eumaeus childrenae</i> (G. Gray, 1832) PBL, RLMM				x	x
<i>Eumaeus toxea</i> (Godart, [1824]) RLMM, PBL					x
<i>Brangas neora</i> (Hewitson, 1867) PBL		x			
<i>Brangas carthaea</i> (Hewitson, 1868) RLMM					
<i>Evenus regalis</i> (Cramer, 1775) RLMM					
<i>Evenus coronata</i> (Hewitson, 1865) RLMM					
<i>Evenus batesii</i> (Hewitson, 1865) RLMM					
<i>Atlides carpasia</i> (Hewitson, 1868)					
<i>Arcas imperialis</i> (Cramer, 1775) PBL, RLMM					x
<i>Arcas cypria</i> (Geyer, 1837) PBL, RLMM				x	
<i>Pseudolycaena damo</i> (H. Druce, 1875) PBL, CURLA, RLMM, EAPZ	x		x	x	
<i>Theritas mavors</i> Hübner, 1818 PBL, RLMM			x	x	x
<i>Theritas theocritus</i> (Fabricius, 1793) PBL, RLMM				x	x
<i>Theritas hemon</i> (Cramer, 1775) PBL, RLMM			x	x	x
<i>Theritas lisus</i> (Stoll, 1790)					
<i>Thereus cithonius</i> (Godart, [1824])					
<i>Rekoa meton</i> (Cramer, 1779) RLMM					
<i>Rekoa palegon</i> (Cramer, 1780) PBL, RLMM, EAPZ	x		x	x	
<i>Rekoa zebina</i> (Hewitson, 1869) PBL			x	x	
<i>Rekoa marius</i> (Lucas, 1857)					
<i>Rekoa stagira</i> (Hewitson, 1867)					
<i>Arawacus togarna</i> (Hewitson, 1867) PBL, CURLA, RLMM, EAPZ	x	x	x	x	x
<i>Arawacus sito</i> (Boisduval, 1836) PBL, RLMM	x	x	x	x	x
<i>Arawacus dumenilii</i> (Godart, [1824]) RLMM					
<i>Kolana lyde</i> (Godman and Salvin, 1887) PBL			x		
<i>Chlorostrymon simaethis sarita</i> (Skinner, 1895)					
<i>Chlorostrymon telea</i> (Hewitson, 1868) EAPZ					
<i>Cyanophrys goodsoni</i> (Clench, 1946) TL, RLMM					
<i>Cyanophrys amyntor</i> (Cramer, 1775) PBL, EAPZ	x				
<i>Cyanophrys herodotus</i> (Fabricius, 1793) RLMM					
<i>Cyanophrys longula</i> (Hewitson, 1868) RLMM					
<i>Cyanophrys agricolor</i> (Butler and H. Druce, 1872) RLMM					
<i>Laothus oceia</i> (Godman and Salvin, 1887) PBL, RLMM			x		
<i>Laothus barajo</i> (Reakirt, [1867]) PBL, RLMM	x		x	x	x
<i>Janthecla janthina</i> (Hewitson, 1867) PBL, RLMM				x	x



<i>Lamprospilus collucia</i> (Hewitson, 1877) PBL			x		
<i>Camissecla charichlorus</i> (Butler and H. Druce, 1872) RLMM					
<i>Electrostrymon hugon</i> (Godart, [1824])					
<i>Ziegleria hesperitis</i> (Butler and H. Druce, 1872) PBL, RLMM				x	
<i>Ziegleria ceromia</i> (Hewitson, 1877) PBL			x		
<i>Calycopis calus</i> (Godart, [1824]) PBL				x	
<i>Calycopis isobea</i> (Butler and H. Druce, 1872) PBL, RLMM	x	x	x	x	x
<i>Calycopis cerata</i> (Hewitson, 1877) PBL, RLMM				x	
<i>Calycopis pisis</i> (Godman and Salvin, 1887) PBL, RLMM		x			x
<i>Calycopis demonassa</i> (Hewitson, 1868) RLMM					
<i>Calycopis trebula</i> (Hewitson, 1868) RLMM					
<i>Strymon yojoa</i> (Reakirt, [1867]) PBL		x			
<i>Strymon b. bazochii</i> (Godart, [1824]) PBL, RLMM		x	x	x	
<i>Strymon ziba</i> (Hewitson, 1868) PBL, CA, RLMM	x		x	x	x
<i>Strymon megarus</i> (Godart, [1824]) PBL				x	
<i>Strymon serapio</i> (Godman and Salvin, 1887)					
<i>Tmolus echion echiolus</i> (Draudt, 1920) PBL			x	x	
<i>Tmolus cydrara</i> (Hewitson, 1868) PBL				x	
<i>Nicolaea dolium</i> (H. Druce, 1907) TL					
<i>Ministrymon azia</i> Hewitson, 1873) PBL			x		
<i>Ministrymon una scopas</i> (Godman and Salvin, 1887) PBL, RLMM			x		x
<i>Theclopsis mycon</i> (Godman and Salvin, 1887) CURLA				x	
<i>Theclopsis leos</i> (Schaus, 1913) CURLA				x	
<i>Ostrinotes purpuriticus</i> (H. H. Druce, 1907) PBL	x				
<i>Ostrinotes keila</i> (Hewitson, 1869) PBL				x	
<i>Strephonota tephraeus</i> (Geyer, 1837) PBL, RLMM			x		x
<i>Strephonota sphinx</i> (Fabricius, 1775) PBL				x	
<i>Panthiades bitias</i> (Cramer, 1777) PBL, RLMM		x	x	x	
<i>Panthiades bathildis</i> (C. and R. Felder, 1865) PBL RLMM, EAPZ	x	x	x	x	x
<i>Panthiades phaleros</i> (Linnaeus, 1767) PBL, RLMM				x	x
<i>Oenomaus atena</i> (Hewitson, 1867)					
<i>Oenomaus ortygnus</i> (Cramer, 1779) RLMM					
<i>Parrhasius polibetes</i> (Stoll, 1781) RLMM					
<i>Parrhasius orgia</i> (Hewitson, 1867) PBL, RLMM				x	
<i>Parrhasius moctezuma</i> (Clench, 1971)					
<i>Michaelus ira</i> (Hewitson, 1867)					
<i>Michaelus thordesa</i> (Hewitson, 1867)					
<i>Aubergina paetus</i> (Godman and Salvin, 1887) PBL, RLMM	x				
<i>Iaspis andersoni</i> Robbins, 2010 PBL, RLMM			x	x	
<i>Iaspis temesa</i> (Hewitson, 1868) PBL	x		x	x	x
<i>Semonina semones</i> (Godman and Salvin, 1887) PBL				x	
<i>Chalybs jantias</i> (Cramer, 1779) RLMM					
<i>Chalybs hassan</i> (Stoll, 1790) PBL, RLMM				x	
<i>Celmia celmus</i> (Cramer, 1775) RLMM					
<b>Polyommatainae</b>					
<i>Leptotes cassius cassidula</i> (Boisduval, 1870) TL					
<i>Cupido comyntas texana</i> (F. Chermock, 1945) PBL	x	x	x	x	x
<i>Celastrina echo gozora</i> (Boisduval, 1870) TL					
<i>Hemiargus ceraunus astenidas</i> (Lucas, 1857) PBL, CA, RLMM, EAPZ	x	x	x	x	x

<i>Echinargus huntingtoni hannoides</i> (Clench, 1965) PBL					x	
<b>RIODINIDAE</b>						
<b>Euselasiinae</b>						
<i>Euselasia cataleuca</i> (R. Felder, 1869) RLMM						
<i>Euselasia leucophyrna</i> (Schaus, 1913) PBL, RLMM					x	
<i>Euselasia chrysippe</i> (H. W. Bates, 1866) PBL, RLMM					x	
<i>Euselasia regipennis eupepla</i> (Godman and Salvin, 1885) RLMM						
<i>Euselasia hypophaea</i> (Godman and Salvin, 1878)						
<i>Euselasia argentea</i> (Hewitson, 1871) EAPZ						
<i>Euselasia eubule</i> (R. Felder, 1869)						
<i>Euselasia h. hieronymi</i> (Godman and Salvin, 1868) PBL	x					
<i>Euselasia a. aurantiaca</i> (Godman and Salvin, 1868) RLMM						
<i>Hades noctula</i> Westwood, 1861 EAPZ						
<b>Riodininae</b>						
<i>Mesosemia zonalis</i> Godman and Salvin, 1885 PBL, RLMM					x	x
<i>Mesosemia telegone telegone</i> (Boisduval, 1836) PBL					x	
<i>Mesosemia lamachus</i> Hewitson, 1857 TL, PBL, RLMM		x			x	x
<i>Mesosemia gaudiolum</i> H. W. Bates, 1865 RLMM						
<i>Leucochimona lepida nivalis</i> (Godman and Salvin, 1885) PBL		x				
<i>Leucochimona lagora</i> (Herrich-Schäffer, [1853]) RLMM						
<i>Peropthalma tullius</i> (Fabricius, 1787) PBL				x	x	x
<i>Peropthalma lasus</i> Westwood, 1851 TL, PBL, RLMM				x	x	x
<i>Napaea eucharila</i> (H. W. Bates, 1867) PBL, RLMM						x
<i>Voltinia theata</i> Stichel, 1910 PBL					x	
<i>Voltina umbra</i> (Boisduval, 1870) TL						
<i>Hyphilaria thasus</i> (Stoll, 1780) EAPZ, PBL						x
<i>Eurybia lycisca</i> Westwood, 1851 TL, PBL, RLMM		x			x	x
<i>Eurybia patrona persona</i> Staudinger, 1876 RLMM						
<i>Eurybia e. elvina</i> Stichel, 1910 RLMM						
<i>Lyropteryx lyra cleadas</i> H. Druce, 1875 PBL, RLMM					x	
<i>Ancyluris i. inca</i> (Saunders, 1850) PBL, CURLA, RLMM	x	x	x	x	x	x
<i>Ancyluris j. jurgensenii</i> (Saunders, 1850) PBL, RLMM				x	x	x
<i>Rhetus arcus castigatus</i> Stichel, 1909 PBL, RLMM				x		x
<i>Rhetus periander</i> Stichel, 1910 PBL					x	
<i>Isapis agyrtus hera</i> Godman and Salvin, 1886 PBL, RLMM					x	
<i>Notheme erota diadema</i> Stichel, 1910 PBL	x				x	
<i>Monethe albertus rudolpus</i> Godman and Salvin, 1885						
<i>Chalodeta lypera</i> (H. W. Bates, 1868)						
<i>Detritivora barnesi</i> (J. Hall and Harvey, 2001) PBL	x	x	x	x	x	x
<i>Charis anius</i> (Cramer, 1776) PBL		x	x	x		
<i>Calephelis argyrodines</i> (H. W. Bates, 1866)						
<i>Calephelis l. laverna</i> (Godman and Salvin, 1886)						
<i>Calephelis fulmen</i> Stichel, 1910 RLMM, PBL	x			x		
<i>Calephelis mexicana</i> McAlpine, 1971						
<i>Calephelis browni</i> McAlpine, 1971						
<i>Calephelis schausi</i> McAlpine, 1971 PBL					x	x
<i>Calephelis sixola</i> McAlpine, 1971 PBL					x	
<i>Calephelis velutina</i> (Godman and Salvin, 1878) PBL, EAPZ, EAPZ				x	x	x
<i>Caria rhacotis</i> (Godman and Salvin, 1878) TL						

<i>Baeotis z. zonata</i> R. Felder, 1869 PBL				x	
<i>Baeotis b. barce</i> Hewitson, 1875					
<i>Baeotis macularia</i> (Boisduval, 1870) RLMM					
<i>Lasaia s. sula</i> Staudinger, 1888 TL, EAPZ					
<i>Lasaia agesilas callaina</i> Clench, 1972 PBL, RLMM				x	
<i>Lasaia m. maria</i> Clench, 1972 RLMM					
<i>Exoplisia cadmeis</i> (Hewitson, 1866)					
<i>Melanis pixe sanguinea</i> (Stichel, 1910) PBL, RLMM, EAPZ	x		x	x	x
<i>Melanis electron melantho</i> (Menetries, 1865) EAPZ					
<i>Melanis cephise</i> (Menetries, 1855)					
<i>Mesene phareus</i> (Cramer, 1777) PBL, EAPZ					x
<i>Mesene croceella</i> H. W. Bates, 1865 PBL					x
<i>Mesene m. margaretta</i> (A. White, 1843) TL					
<i>Chimastrum a. argenteum</i> (H. W. Bates, 1866)					
<i>Symphachia p. probetor</i> (Stoll, 1782) PBL				x	x
<i>Symphachia accusatrix</i> Westwood, 1851					
<i>Pirascia tyriotes</i> (Godman and Salvin, 1878) RLMM					
<i>Sarota subtessellata</i> (Schaus, 1913) EAPZ					
<i>Sarota chrysus</i> (Stoll, 1781) EAPZ					
<i>Sarota g. gamelia</i> Godman and Salvin, 1886					
<i>Sarota acantus</i> (Stoll, 1781) PBL				x	
<i>Sarota myrtea</i> Godman and Salvin, 1886 PBL			x		
<i>Anteros formosus micon</i> H. Druce, 1875 PBL, RLMM, EAPZ			x	x	
<i>Calydna sturnula</i> (Geyer, 1837)					
<i>Emesis lucinda</i> (Cramer, 1775) PBL			x	x	x
<i>Emesis aurimna</i> (Boisduval, 1870) PBL, RLMM			x		
<i>Emesis ocyptore aethalia</i> H. W. Bates, 1868 PBL, RLMM			x		x
<i>Emesis tenedia</i> C. and R. Felder, 1861 PBL, EAPZ	x		x	x	
<i>Emesis mandana furor</i> Butler and H. Druce, 1872 PBL, RLMM, EAPZ				x	
<i>Emesis tegula</i> Godman and Salvin, 1886 RLMM					
<i>Emesis l. lupina</i> Godman and Salvin, 1886					
<i>Pseudonymphidia clearista</i> (Butler, 1871) TL					
<i>Pachythone gigas nigriciliata</i> Schaus, 1913 RLMM					
<i>Thisbe lycorias</i> (Hewitson, [1853]) TL, EAPZ					
<i>Juditha caucana</i> (Stichel, 1911) PBL, CA, RLMM	x	x	x	x	x
<i>Synargis mycone</i> (Hewitson, 1865) PBL, RLMM					x
<i>Synargis phliasus velabrum</i> (Godman and Salvin, 1878) RLMM					
<i>Synargis n. nymphidioides</i> (Butler, 1872) RLMM					
<i>Menander menander purpurata</i> (Godman and Salvin, 1878) PBL			x		
<i>Menander pretus picta</i> (Godman and Salvin, 1886) RLMM					
<i>Calospila cilissa</i> (Hewitson, 1863) PBL, RLMM	x	x	x	x	x
<i>Calospila pelarge</i> (Godman and Salvin, 1878) PBL, RLMM			x		x
<i>Hypophylla zeurippa</i> Boisduval, 1836 TL					
<i>Hypophylla s. sudias</i> (Hewitson, [1858]) TL, RLMM					
<i>Setabis lagus jansonii</i> (Butler, 1870) RLMM					
<i>Nymphidium a. ascolia</i> Hewitson, [1853] RLMM					
<i>Calicosama lilina</i> (Butler, 1870)					
<i>Theope pedias</i> Herrich-Schäffer, [1853] PBL				x	x
<i>Theope eudocia</i> Westwood, 1851 PBL			x	x	x

<i>Theope mundula</i> Stichel, 1926 PBL						x
<i>Theope pieridoides</i> C. and R. Felder, 1865						
<i>Theope cratylus</i> Godman and Salvin, 1886						
<i>Theope eupolis</i> Schaus, 1890 RLMM						
<i>Theope virgilius</i> (Fabricius, 1793) PBL, EAPZ					x	
<i>Theope phaeo</i> Prittwitz, 1865 RLMM						
<i>Theope publius incompositus</i> J. Hall, 1999 PBL, RLMM						x
<b>NYMPHALIDAE</b>						
<b>Libytheinae</b>						
<i>Libytheana carinenta mexicana</i> Michener, 1943 ER, RLMM, EAPZ						x
<b>Danainae</b>						
<i>Danaus p. plexippus</i> (Linnaeus, 1758) PBL, RLMM, EAPZ		x				
<i>Danaus gilippus thersippus</i> (H. W. Bates, 1863) RLMM, EAPZ						
<i>Danaus eresimus montezuma</i> Talbot, 1943 PBL, RLMM, EAPZ	x					
<i>Lycorea halia atergatis</i> (E. Doubleday, [1847]) PBL, RLMM, EAPZ	x	x	x	x	x	x
<i>Lycorea ilione albescens</i> (Distant, 1876) RLMM						
<i>Anetia t. thirza</i> Geyer, [1833] RLMM, EAPZ						
<b>Ithomiini</b>						
<i>Tithorea tarricina pinthias</i> Godman and Salvin, 1878 PBL, RLMM, EAPZ				x		
<i>Tithorea harmonia salvadoris</i> Staudinger, 1885						
<i>Aeria eurimedia pacifica</i> Godman and Salvin, 1879 RLMM						
<i>Melinaea lilis imitata</i> H. Bates, 1864						
<i>Thyridia psidii melantho</i> H. Bates, 1866 PBL, RLMM						x
<i>Mechanitis menapis saturata</i> Godman, 1901 PBL, RLMM, EAPZ		x			x	
<i>Mechanitis polymnia lycidice</i> H. W. Bates, 1864 TLS, PBL, RLMM, EAPZ			x	x	x	
<i>Mechanitis lysimnia utemaia</i> Reakirt, 1866 TL, PBL, RLMM, EAPZ			x	x	x	
<i>Napeogenes t. tolosa</i> (Hewitson, 1855) RLMM						
<i>Hypothyris euclea valora</i> (Haensch, 1909) RLMM, EAPZ						
<i>Hypothyris lycaste dionaea</i> (Hewitson, 1854) PBL, RLMM			x			
<i>Ithomia patilla</i> Hewitson, 1852 PBL, RLMM, EAPZ					x	x
<i>Hyposcada v. virginiana</i> (Hewitson, 1855) TLS, RLMM, PBL		x				
<i>Oleria paula</i> (Weymer, 1883) RLMM, EAPZ						
<i>Oleria z. zea</i> (Hewitson, [1855]) RLMM						
<i>Ceratinia tutia</i> (Hewitson, 1852) RLMM, EAPZ						
<i>Callithomia hezia hedila</i> Godman and Salvin, 1879 PBL, RLMM, EAPZ		x	x			
<i>Dircenna klugi</i> (Geyer, 1837) RLMM, EAPZ						
<i>Dircenna jemina</i> (Geyer, 1837)						
<i>Dircenna dero</i> (Hübner, 1823) PBL, RLMM, EAPZ				x		
<i>Episcada s. salvinia</i> (H. Bates, 1864) RLMM						
<i>Pteronymia c. cotytto</i> (Guérin-Méneville, [1844]) PBL, RLMM						x
<i>Pteronymia alcmena</i> (Godman and Salvin, 1877) RLMM						
<i>Pteronymia a. artena</i> (Hewitson, [1855])						
<i>Pteronymia simplex fenochioi</i> Lamas, 1978						
<i>Godyris zavaleta sosunga</i> (Reakirt, [1866]) PBL, RLMM, EAPZ				x		
<i>Godyris nero</i> (Hewitson, [1855]) RLMM						
<i>Hypoleria lavinia cassotis</i> (H. W. Bates, 1864) PBL, RLMM			x	x		
<i>Greta andromica lyra</i> (Salvin, 1869)						
<i>Greta a. annette</i> (Guérin-Méneville, [1844]) RLMM						
<i>Greta morgane oto</i> (Hewitson, [1855]) RLMM, EAPZ						

<b>Limenitidinae</b>					
<i>Adelpha paraena massilia</i> (C. and R. Felder, 1867) PBL, CURLA					x
<i>Adelpha serpa celerio</i> (H. W. Bates, 1864) PBL, RLMM				x	x
<i>Adelpha pithys</i> (H. W. Bates, 1864) RLMM					
<i>Adelpha donysa albifilum</i> Steinhauser, 1974					
<i>Adelpha f. fessonia</i> (Hewitson, 1847)					
<i>Adelpha basiloides</i> (H. W. Bates, 1865) TLS, RLMM, EAPZ					
<i>Adelpha i. iphicles</i> (Linnaeus, 1758) RLMM, EAPZ					
<i>Adelpha i. iphicleola</i> (H. W. Bates, 1864)					
<i>Adelpha cytherea marcia</i> Fruhstorfer, 1913 TL, PBL, CURLA, RLMM, EAPZ	x	x	x	x	x
<i>Adelpha salmonius salmonides</i> A. Hall 1938 PBL, RLMM		x			
<i>Adelpha barnesia leucas</i> Fruhstorfer, 1913					
<i>Adelpha n. naxia</i> (C. and R. Felder, 1867)					
<i>Adelpha m. melanthe</i> (H. Bates, 1864) RLMM					
<i>Adelpha leuceroidea</i> Beutelspacher, 1975 RLMM					
<i>Adelpha e. erymanthis</i> Godman and Salvin, 1884					
<i>Adelpha malea fundania</i> Fruhstorfer, 1915					
<i>Adelpha boeotia oberthurii</i> (Boisduval, 1870)					
<i>Adelpha delinita utina</i> A. Hall, 1938 TL					
<i>Adelpha p. phylaca</i> (H. W. Bates, 1866)					
<i>Adelpha phylaca pseudothalia</i> A. Hall, 1938					
<i>Adelpha m. messana</i> (C. and R. Felder, 1867) PBL		x			
<i>Adelpha lycorias melanthe</i> (H. W. Bates, 1864)					
<i>Adelpha l. leuceria</i> (H. Druce, 1874)					
<i>Adelpha cocata lorzae</i> (Boisduval, 1870)					
<i>Adelpha felderi</i> (Boisduval, 1870)					
<i>Adelpha milleri</i> Beutelspacher, 1976 RLMM					
<b>Heliconiinae</b>					
<i>Altinote ozomene nox</i> (H. W. Bates, 1864) RLMM					
<i>Actinote antea</i> (Doubleday, [1847]) EAPZ					
<i>Actinote guatemalena guatemalena</i> (H. Bates, 1864) EAPZ					
<i>Agraulis vanillae incarnata</i> (N. Riley, 1926) PBL, CA, EAPZ	x		x	x	
<i>Dione junonia huascuma</i> (Reakirt, 1866) PBL, EAPZ				x	
<i>Dione moneta poeyii</i> (Butler, 1873) EAPZ					
<i>Dryadula phaetusa</i> (Linnaeus, 1758) PBL, RLMM, EAPZ		x	x		x
<i>Dryas iulia moderata</i> (N. Riley, 1926) TL, PBL, CA, RLMM, EAPZ	x	x	x	x	x
<i>Philaethria diatonica</i> (Fruhstorfer, 1912) TL					
<i>Laparus doris viridis</i> (Staudinger, 1885) TLS, PBL, RLMM, EAPZ				x	
<i>Eueides aliphaera gracilis</i> Stichel, 1904 TL, PBL, RLMM, EAPZ				x	x
<i>Eueides lineata</i> Salvin and Godman, 1868 PBL, RLMM	x	x	x	x	x
<i>Eueides isabella eva</i> (Fabricius, 1793) PBL, RLMM, EAPZ				x	
<i>Eueides procula asidia</i> Schaus, 1920					
<i>Heliconius charitonia vazquezae</i> Comstock and Brown, 1950 PBL, CA, RLMM, EAPZ	x	x	x	x	x
<i>Heliconius cydno galanthus</i> H. W. Bates, 1864 PBL, CURLA, RLMM, EAPZ		x		x	
<i>Heliconius erato petiverana</i> (Doubleday, 1847) PBL, RLMM, EAPZ	x	x	x	x	x
<i>Heliconius hecalesia octavia</i> H. W. Bates, 1866 PBL, RLMM					x
<i>Heliconius hecale discomaculatus</i> Weymer, 1891 TL					
<i>Heliconius hecale zuleika</i> Hewitson, 1854 PBL, EAPZ		x	x	x	
<i>Heliconius ismenius telchinia</i> Doubleday, 1847 TL, PBL, CURLA, RLMM		x	x	x	x

<i>Heliconius sara veraepacis</i> H. W. Bates, 1864 PBL, RLMM, EAPZ	x			x	
<i>Heliconius sapho leuce</i> Doubleday, 1847 PBL, RLMM, EAPZ	x			x	
<i>Heliconius hortense</i> Guérin-Méneville, [1844] RLMM					
<i>Euptoieta hegesia meridiania</i> Stichel, 1938 PBL, RLMM, EAPZ				x	x
<b>Apaturinae</b>					
<i>Asterocampa idyja argus</i> (H. Bates, 1864) TLS					
<i>Doxocopa pavon theodora</i> (Lucas, 1857) TLS					
<i>Doxocopa cyane mexicana</i> Bryk, 1953					
<i>Doxocopa laurentina cherubina</i> (C. and R. Felder, 1867) PBL					x
<i>Doxocopa callianira</i> (Menetries, 1855) EAPZ					
<i>Doxocopa l. laure</i> (Drury, 1773) TL, PBL, RLMM, EAPZ					x
<b>Bibliidinae</b>					
<i>Biblis hyperia aganisa</i> Boisduval, 1836 CA, RLMM, EAPZ	x				
<i>Mestra amymone</i> (Ménétriés, 1857) PBL, RLMM, EAPZ	x	x	x	x	x
<b>Catonephelini</b>					
<i>Catonephele mexicana</i> Jenkins and R. G. de la Maza, 1985 PBL, RLMM, EAPZ			x	x	x
<i>Catonephele numilia esite</i> (R. Felder, 1869) PBL, RLMM, EAPZ				x	x
<i>Catonephele chromis godmani</i> Stichel, 1901 PBL					x
<i>Eunica t. tatila</i> (Herrich-Schäffer [1885]) RLMM					
<i>Eunica caelina agusta</i> H. W. Bates, 1866 RLMM					
<i>Eunica mygdonia omoa</i> A, Hall, 1919					
<i>Eunica c. caralis</i> (Hewitson, [1857])					
<i>Eunica malvina albida</i> Jenkins, 1990					
<i>Eunica monima</i> (Stoll, 1782) PBL, ER, RLMM, EAPZ				x	x
<i>Eunica sydonia caresa</i> (Hewitson, [1857]) RLMM					
<i>Eunica chlororhoa mira</i> Godman and Salvin, 1877 RLMM					
<i>Eunica volumna venusia</i> (C. and R. Felder, 1867)					
<i>Eunica pomona amata</i> H. Druce, 1874					
<i>Eunica a. alcmena</i> (Doubleday, [1847]) RLMM					
<i>Eunica alpais excelsa</i> Godman and Salvin, 1877 RLMM					
<i>Myscelia c. cyaniris</i> Doubleday, [1848] TL, RLMM, EAPZ					
<i>Myscelia ethusa pattenia</i> Butler and H. Druce, 1872 EAPZ					
<i>Nessaea a. aglaura</i> (Doubleday, [1848]) RLMM, EAPZ					
<i>Ectima erycinoides</i> C. and R. Felder, 1867 PBL, CURLA, RLMM			x		x
<b>Ageroniini</b>					
<i>Hamadryas februa ferentina</i> (Godart, [1824]) TLS, PBL, CA, RLMM, EAPZ	x	x	x	x	x
<i>Hamadryas g. glauconome</i> (H. Bates, 1864) PBL, EAPZ			x	x	
<i>Hamadryas a. atlantis</i> (H. Bates, 1864) EAPZ					
<i>Hamadryas feronia farinulenta</i> (Fruhstorfer, 1916) TL, PBL, RLMM, EAPZ			x	x	x
<i>Hamadryas g. guatemalena</i> (H. Bates, 1864) PBL, RLMM		x	x	x	x
<i>Hamadryas iphthime joannae</i> Jenkins, 1983 PBL, EAPZ					
<i>Hamadryas fornax fornacalia</i> (Fruhstorfer, 1907)					
<i>Hamadryas laodamia saurites</i> (Fruhstorfer, 1916) TL, PBL, RLMM, EAPZ			x	x	x
<i>Hamadryas amphinome mexicana</i> (Lucas, 1853) PBL, RLMM, EAPZ			x		x
<b>Epiphelini</b>					
<i>Bolboneura s. sylphis</i> (H. Bates, 1864) ER					x
<i>Epiphile a. adrasta</i> Hewitson, 1861					
<i>Nica flavilla canthara</i> (Doubleday, 1849) PBL, RLMM, EAPZ			x	x	
<i>Pyrrhogyra neaerea hypensor</i> Godman and Salvin, 1884 TLS, RLMM					



<i>Pyrrhogyra o. otolais</i> H. W. Bates, 1864 PBL, RLMM				x	x
<i>Pyrrhogyra e. edocla</i> Doubleday, [1848] TLS					
<i>Temenis laothoe hondurensis</i> Fruhstorfer, 1907 TL, PBL, RLMM			x	x	
<b>Eubagini</b>					
<i>Dynamine postverta mexicana</i> d'Almeida, 1952 PBL, RLMM, EAPZ			x	x	x
<i>Dynamine theseus</i> (C. and R. Felder, 1861) PBL, RLMM					x
<i>Dynamine artemisia</i> (Fabricius, 1793) RLMM, EAPZ					
<i>Dynamine ate</i> (Godman and Salvin, 1883) RLMM					
<i>Dynamine dyonis</i> Geyer, 1837 RLMM, EAPZ					
<i>Dynamine paulina thalassina</i> (Boisduval, 1870) EAPZ					
<b>Callicorini</b>					
<i>Callicore tolima peralta</i> (Dillon, 1948) RLMM					
<i>Callicore l. lyca</i> (Doubleday, [1847]) RLMM, UYUCA	x			x	
<i>Callicore astarte patelina</i> (Hewitson, 1853) RLMM, EAPZ					
<i>Callicore texa titania</i> (Salvin, 1869) TLS, PBL, RLMM, EAPZ			x	x	
<i>Callicore tolima guatemalena</i> (H. Bates), 1866 PBL					x
<i>Callicore pitheas</i> (Latreille, [1813]) RLMM					
<i>Diaethria a. anna</i> (Guérin-Ménéville, [1844]) PBL, CURLA, RLMM, EAPZ	x	x	x		x
<i>Diaethria a. astala</i> (Guérin-Ménéville, [1844]) RLMM, EAPZ					
<i>Diaethria pandama</i> (Doubleday, [1848]) RLMM					
<b>Cyrestinae</b>					
<i>Marpesia chiron</i> (Fabricius, 1775) PBL, EAPZ					x
<i>Marpesia merops</i> (Doyère, [1840]) PBL, RLMM, EAPZ				x	
<i>Marpesia c. corita</i> (Westwood, 1850) RLMM					
<i>Marpesia marcella valetta</i> (Butler and H. Druce, 1872) EAPZ					
<i>Marpesia petreus</i> (Cramer, 1776) PBL, RLMM, EAPZ			x		x
<i>Marpesia berania fruhstorferi</i> (Seitz, 1914) TL, EAPZ					
<i>Marpesia zerynthia dentigera</i> (Fruhstorfer, 1907) RLMM, EAPZ					
<b>Nymphalinae</b>					
<b>Coeini</b>					
<i>Historis odius dious</i> Lamas, 1995 PBL, RLMM, EAPZ			x	x	
<i>Historis a. acheronta</i> (Fabricius, 1775) PBL, EAPZ				x	
<i>Baeotus baeotus</i> (Doubleday, [1849]) RLMM					
<i>Pycina zamba zelys</i> Godman and Salvin, 1884					
<b>Nymphalini</b>					
<i>Colobura d. dirce</i> (Linnaeus, 1758) PBL, RLMM, EAPZ	x	x	x	x	x
<i>Tigridia acesta</i> (Linnaeus, 1758) PBL, RLMM, EAPZ			x		
<i>Smyrna blomfieldia datis</i> Fruhstorfer, 1908 PBL, RLMM, EAPZ				x	
<i>Smyrna karwinskii</i> Geyer, [1833] EAPZ					
<i>Hypanartia dione disjuncta</i> Willmott et al., 2001 RLMM					
<i>Hypanartia lethe</i> (Fabricius, 1793) RLMM, EAPZ					
<i>Vanessa virginiensis</i> (Drury, 1773) RLMM, EAPZ				x	
<i>Vanessa cardui</i> (Linnaeus, 1758) PBL		x			
<b>Victorinini</b>					
<i>Anartia jatrophae luteipicta</i> (Fruhstorfer, 1907) TL, PBL, CA, RLMM, EAPZ	x	x	x		x
<i>Anartia f. fatima</i> (Fabricius, 1793) PBL, CA, RLMM, EAPZ	x	x	x	x	x
<i>Siproeta stelenes biplagiata</i> (Fruhstorfer, 1907) TL, PBL, CA, RLMM, EAPZ	x	x	x	x	x
<i>Siproeta e. epaphus</i> (Latreille, 1813) PBL, CA, RLMM, EAPZ	x	x			

<b>Junoniini</b>					
<i>Junonia evarete</i> (Cramer, 1779) ER, EAPZ					x
<b>Melitaeini</b>					
<i>Chlosyne g. gaudialis</i> (H. Bates, 1864) PBL, RLMM, EAPZ			x		x
<i>Chlosyne j. janais</i> (Drury, 1782) PBL, RLMM, EAPZ				x	x
<i>Chlosyne t. theona</i> (Menetries, 1855) ER, RLMM, EAPZ					x
<i>Chlosyne ezra</i> (Hewitson, 1864) TLS					
<i>Chlosyne l. lacinia</i> (Geyer, 1837) PBL, RLMM, EAPZ		x	x	x	x
<i>Microtia e. elva</i> H. Bates, 1864 ER, CA	x				x
<i>Eresia c. clio</i> (Linnaeus, 1758) RLMM, EAPZ, PBL		x			
<i>Eresia p. phillyra</i> Hewitson, 1852 RLMM					
<i>Castilia myia</i> (Hewitson, [1864])		x			
<i>Castilia griseobasalis</i> (Röber, 1913)					
<i>Tegosa n. nigrella</i> (H. Bates, 1866) RLMM					
<i>Tegosa anieta luka</i> (H. Bates, 1866) RLMM					
<i>Tegosa claudina</i> (Eschscholtz, 1821)					
<i>Anthanassa ar dys</i> (Hewitson, 1864) RLMM					
<i>Anthanassa drusilla lelex</i> (H. Bates, 1864) PBL, RLMM			x		
<i>Anthanassa dracaena phlegias</i> (Godman, 1901) TL					
<i>Anthanassa drymaea</i> (Godman and Salvin, 1878)					
<i>Anthanassa p. ptolyca</i> (H. Bates, 1864) RLMM					
<i>Anthanassa s. sitalces</i> (Godman and Salvin, 1882) RLMM					
<i>Anthanassa argentea</i> (Godman and Salvin, 1882) RLMM					
<i>Anthanassa atronia</i> (H. Bates, 1866)					
<i>Anthanassa o. otales</i> (Hewitson, 1864) RLMM					
<i>Anthanassa tulcis</i> (H. Bates, 1864) PBL, RLMM			x	x	
<b>Charaxinae</b>					
<i>Consul fabius cecrops</i> (Doubleday, [1849]) PBL, RLMM	x			x	x
<i>Siderone galanthis</i> (Cramer, 1775) PBL, RLMM					x
<i>Siderone s. syntycha</i> Hewitson, [1854]) RLMM					
<i>Zaretis callidryas</i> (R. Felder, 1869)					
<i>Zaretis ellops</i> (Ménétriés, 1855) PBL, RLMM, EAPZ				x	
<i>Zaretis i. itys</i> (Cramer, 1777) PBL, RLMM					
<i>Anaea aidea</i> (Guérin-Méneville, [1844]) PBL, RLMM					x
<i>Fountainea eurypyle confusa</i> (A. Hall, 1929) PBL, RLMM, EAPZ					x
<i>Memphis aureola</i> (H. Bates, 1866) PBL, RLMM					x
<i>Memphis beatrix</i> (H. Druce, 1874) RLMM					
<i>Memphis proserpina</i> (Salvin, 1869) RLMM					
<i>Memphis glauca centralis</i> (Röber, 1916) RLMM, EAPZ					
<i>Memphis neidhoeferi</i> (Rotger, Escalante, and Coronado, 1965)					
<i>Memphis arginussa eubaena</i> (Boisduval, 1870) PBL					x
<i>Memphis moruus boisduvali</i> (W. Comstock, 1961) PBL, RLMM					x
<i>Memphis lyceus</i> (H. Druce, 1877) PBL					x
<i>Memphis oenomais</i> (Boisduval, 1870)					
<i>Memphis artacaena</i> (Hewitson, 1869) PBL, RLMM					x
<i>Memphis d. dia</i> (Godman and Salvin, 1884)					
<i>Memphis p. pithyusa</i> (R. Felder, 1869) PBL, RLMM					x
<i>Memphis mora orthesia</i> (Godman and Salvin, 1884) RLMM					
<i>Memphis hedemanni</i> (R. Felder, 1869) RLMM					

<i>Archaeoprepona amphimachus amphiktion</i> (Fruhstorfer, 1916) TL, RLMM					
<i>Archaeoprepona demophon centralis</i> (Fruhstorfer, 1905) TL, PBL, RLMM			x	x	
<i>Archaeoprepona demophoon gulina</i> (Fruhstorfer, 1904) TL, PBL, EAPZ					x
<i>Archaeoprepona menander phoebus</i> (Boisduval, 1870) TL, RLMM					
<i>Prepona dexamenus medinai</i> Beutelspacher, 1981 PBL, RLMM					x
<i>Prepona laertes octavia</i> Fruhstorfer, 1905 TL, PBL, RLMM, EAPZ				x	
<i>Prepona pylene philetas</i> Fruhstorfer, 1904 TL					
<i>Prepona pylene gnorima</i> H. Bates, 1865					
<i>Agrias aedon rodriguezii</i> Schaus, 1918 RLMM					
<i>Agrias amydon lacandona</i> R. G. and J. de la Maza, 1999 PBL, RLMM					x
<b>Satyrinae</b>					
<b>Morphini</b>					
<i>Antirrhoea philoctetes lindigii</i> C. and R. Felder, 1862 CURLA, RLMM, EAPZ			x		x
<i>Morpho achilles patroclus</i> C. and R. Felder, 1861 EAPZ					
<i>Morpho helenor montezuma</i> (Guenée, 1859) TLS, PBL, RLMM, EAPZ			x	x	
<i>Morpho cypris aphrodite</i> LeMoult and Réal, 1962 PBL, CURLA, RLMM			x		
<i>Morpho polyphemus catalina</i> Corea and Chacón, 1984 EAPZ, RLMM, PBL			x		
<i>Morpho polyphemus luna</i> Butler, 1869 TLS					
<i>Morpho theseus arotos</i> (Fruhstorfer, 1905) PBL, RLMM			x		x
<i>Morpho theseus justitiae</i> Salvin and Godman, 1868 TLS, PBL, RLMM			x		x
<b>Brassolinae</b>					
<i>Caligo oileus scamander</i> (Boisduval, 1870) RLMM, EAPZ					
<i>Caligo telemonius memnon</i> (C. and R. Felder, 1867) TLS, PBL, RLMM, EAPZ			x	x	x
<i>Caligo illioneus oberon</i> Butler, 1870 RLMM					
<i>Caligo brasiliensis sulanus</i> Fruhstorfer, 1904 TL, PBL			x	x	x
<i>Caligo oedipus fruhstorferi</i> Stichel, 1904 TL, RLMM		x			
<i>Caligo uranus</i> Herrich-Schäffer, 1850 PBL, RLMM, EAPZ		x	x	x	
<i>Catoblepia o. orgetorix</i> (Hewitson, 1870) PBL, RLMM				x	x
<i>Dynastor darius stygianus</i> Buter, 1872 EAPZ					
<i>Dynastor macrosiris strix</i> Bates, 1864 EAPZ					
<i>Eryphanis aesacus</i> (Herrich-Schäffer, 1850) RLMM, EAPZ					
<i>Eryphanis lycomedon</i> (C. and R. Felder, 1862) RLMM					
<i>Opsiphanes boisduvallii</i> Doubleday, [1849] PBL, RLMM		x			x
<i>Opsiphanes bogotanus alajuela</i> Bristow, 1991 PBL				x	
<i>Opsiphanes cassiae castaneus</i> Stichel, 1904					
<i>Opsiphanes t. tamarindi</i> C. and R. Felder, 1861 TLS, PBL, RLMM, EAPZ			x		x
<i>Opsiphanes quiteria quirinus</i> Godman and Salvin, 1881 PBL, RLMM, EAPZ		x			
<i>Opsiphanes cassina fabricii</i> (Boisduval, 1870) RLMM, EAPZ					
<i>Opsiphanes invirae relucens</i> Fruhstorfer, 1907 TL					
<i>Narope testacea</i> Godman and Salvin, 1878					
<b>Haeterini</b>					
<i>Cithaerias p. pireta</i> (Stoll, 1780) PBL, RLMM, EAPZ				x	x
<i>Pierella helvina incanescens</i> Godman and Salvin, 1877 PBL, CURLA, RLMM, EAPZ					x
<i>Pierella luna pallida</i> (Salvin and Godman, 1868) PBL, EAPZ	x	x	x	x	x
<i>Pierella luna rubecula</i> Salvin and Godman, 1868 TLS, RLMM					
<b>Melanitini</b>					
<i>Manataria hercyna maculata</i> (Hopffer, 1874) RLMM, EAPZ					
<b>Satyrini</b>					
<i>Cyllopsis h. hedemanni</i> R. Felder, 1869 RLMM					

<i>Cyllopsis steinhauserorum</i> L. Miller, 1974 RLMM					
<i>Cyllopsis hilaria</i> (Godman, 1901)					
<i>Cyllopsis suivalenoides</i> L. Miller, 1974					
<i>Cyllopsis p. pyracmon</i> (Butler, [1867])					
<i>Cyllopsis pephredo</i> (Godman, 1901) RLMM					
<i>Euptychia hilaria</i> (C. and R. Felder, 1867)					
<i>Euptychia westwoodi</i> Butler, 1867 TL					
<i>Hermeuptychia hermes</i> (Fabricius, 1775) PBL, CA, RLMM, EAPZ	x	x	x	x	x
<i>Cissia labe</i> (Butler, 1870) PBL, RLMM	x	x	x	x	x
<i>Cissia similis</i> (Butler, 1867) PBL					x
<i>Cissia pompilia</i> (C. and R. Felder, 1867) PBL, RLMM, EAPZ	x	x	x		x
<i>Cissia themis</i> (Butler, 1867) PBL, RLMM	x	x	x		x
<i>Magneuptychia libye</i> (Linnaeus, 1767) PBL, RLMM, EAPZ	x	x	x	x	x
<i>Megeuptychia antonoe</i> (Cramer, 1775) PBL, EAPZ					x
<i>Pareuptychia metaleuca</i> (Boisduval, 1870) PBL, RLMM	x	x	x	x	x
<i>Pareuptychia ocirrhoe</i> (Fabricius, 1776) PBL, CA, RLMM, EAPZ	x	x	x	x	x
<i>Satyrotaygetis satyrina</i> (H. W. Baters, 1865) RLMM, EAPZ					
<i>Taygetis mermeria excavata</i> Butler, 1868 TL, PBL, RLMM					x
<i>Taygetis laches</i> (Fabricius, 1793) PBL, RLMM, EAPZ	x	x	x	x	x
<i>Taygetis rufomarginata</i> Staudinger, 1888 PBL, RLMM, EAPZ	x	x			
<i>Taygetis thamyra</i> (Cramer, 1779) PBL, RLMM			x		
<i>Taygetis virgilia</i> (Cramer, 1776) TLS, RLMM					
<i>Taygetomorpha celia</i> (Cramer, 1779) EAPZ					
<i>Oxeoschistus tauropolis</i> (Westwood, [1850]) UYUCA, RLMM, EAPZ	x				

## NOTES:

- A1 – Identification in EAPZ database questionable. Specimens from the TL only in USNM. These may be the very similar *H. drucei* (Schaus, 1910), from Guatemala and Costa Rica.
- A2 – Identification questionable: USNM has phenotype (as illustrated in Seitz) from Peru and Brazil.

## Results and Discussion

While our inventory of the Lepidoptera of Honduras is far from complete, our initial results and comparisons with previous records provide insight into the expected diversity and potential evidence of endemism. Our fieldwork to date has been based primarily at the Lodge at Pico Bonito and other areas along the northern coast near La Ceiba. Moth collecting has also been centered at the Lodge at Pico Bonito. Moth groups well represented in our nocturnal samples include the Pyraloidea (principally Crambidae), Noctuoidea, especially Arctiinae and Notodontidae, Geometridae, Spingidae, and Saturniidae. Thus far, excluding undetermined material, more than 975 species of moths have been collected during our surveys, with the addition of literature and museum specimen records producing a total of 1,441 moth species included in the present list for Honduras. The highest diversity has been within the Pyraloidea and Noctuoidea, with many species represented by single specimens. A total of 861 butterfly species are now listed for Honduras, with 393 species collected during our surveys. In all, 2,302 species of Lepidoptera are recorded herein. Based on comparison with the work of Janzen and Hallwachs (2010, pers. comm.) for Costa Rica and our current findings, we estimate the total number of Lepidoptera species in Honduras will exceed 6,000. Some representative taxa of butterflies (Fig. 2-9) and moths (Fig. 10-36) sampled during our surveys are illustrated. However, we hope to provide reference images for many additional species, either web-based and/or in subsequent publications.

In summarizing our preliminary results for various moth taxa, we note the Pyraloidea are particularly diverse with 290 species listed, and many samples are still undetermined. Several new species are present in our material, some of which are also found in other parts of Central America, such as Area de Conservación Guanacaste, northwestern Costa Rica, and await revisionary studies





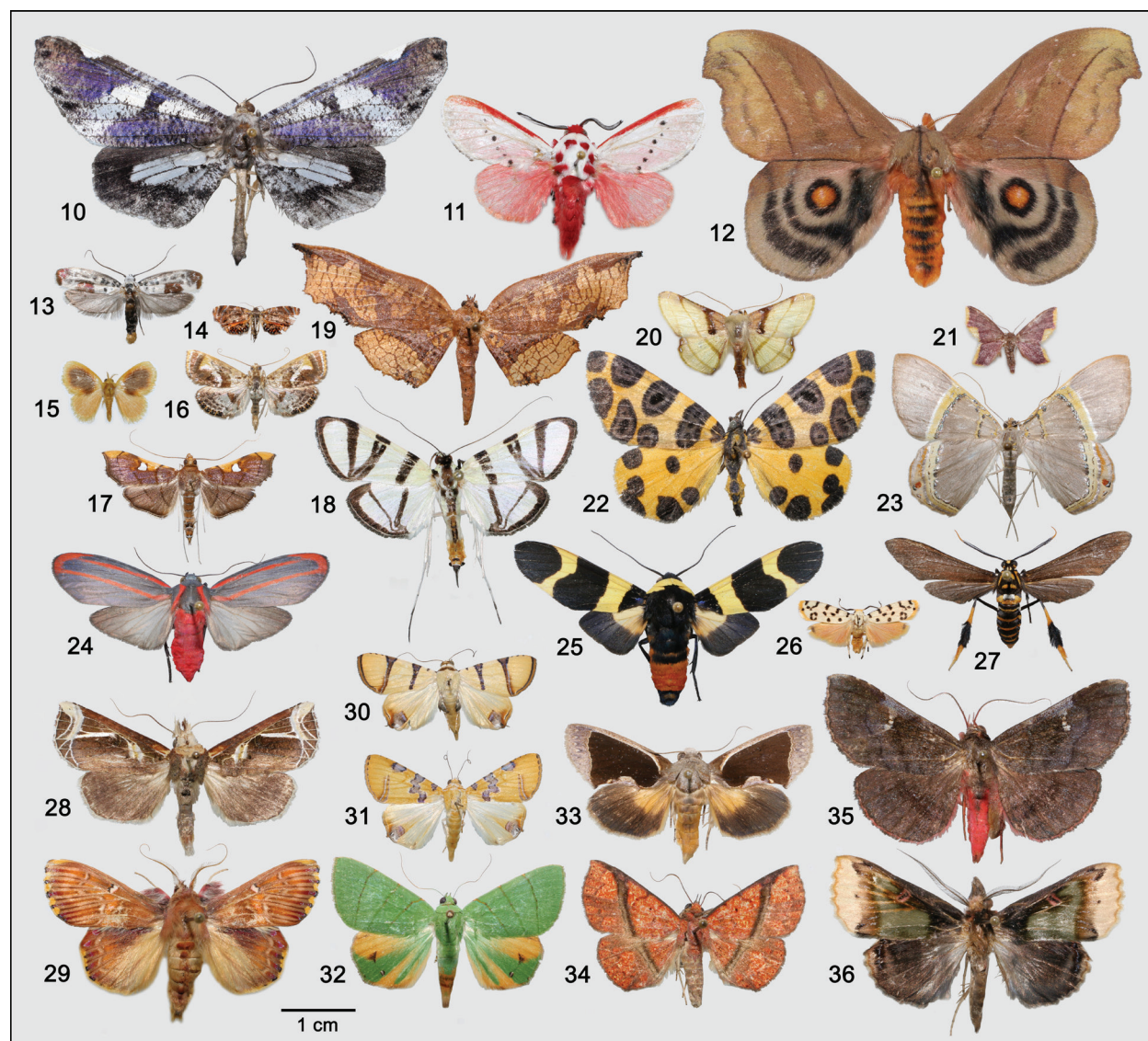
**Figures 2-9.** Honduran butterflies. 2) *Pareuptychia ocirrhoe*. 3) *Calephelis* sp. 4) *Charis anius*. 5) *Parides eurimedes mylotes*. 6) *Cymaenes trebius*. 7) *Strymon ziba*. 8) *Calospila cilissa*. 9) *Vehilius stictomenes illudens*.

of the various genera. Not surprising, given the proximity to two rivers, the aquatic Crambidae (Acentropinae) are especially abundant at PBL with 27 morphospecies distinguished, 11 determined to named species thus far and 11 recognized as probable new species. While only 29 species of Gelechioidea are indicated in our list, material representing this group includes many additional species to be sorted and identified. In the Glyphidoceridae alone, Adamski (pers. comm.) recognized four



new species that he will describe in a forthcoming publication. Other microlepidopteran groups, such as the Tortricoidea, are poorly represented in both numbers of species and the number of individuals collected. The Tortricidae do, however, hold some interesting surprises, with colorful, elaborately patterned diurnal genera such as *Pseudatteria* Walsingham and *Mictopsichia* Hübner. In the later genus, Matthews et al. (2011) reported the occurrence of *M. cubae* (Fig. 14) from our surveys, noting the new country record, biogeographical significance, and describing the previously unknown female genitalia and evasive behavior of adults.

Some progress has been made in our knowledge of the Pterophoroidea with additional work to be completed. Literature accounts for Pterophoridae (Walsingham 1915; Gielis 2003, 2006) indicated



**Figures 10-36.** A small sample of the moth diversity at Pico Bonito Lodge. **10)** Hedyliidae, *Macrosoma hyacinthine*. **11)** Megalopygidae, *Trosia nigropunctigera*. **12)** Saturniidae, *Hyperchira nausica*. **13)** Elasmobranchidae, *Ethmia unguatella*. **14)** Tortricidae, *Mictopsichia cubae*. **15)** Dalceridae, *Dalcerides mesoa*. **16-18)** Crambidae – **16)** *Cosmopterosis spatha*; **17)** *Coenostolopsis apicalis*; **18)** *Conchylodes nolckenialis*. **19)** Thyrididae, *Draconia denticulate*. **20-23)** Geometridae – **20)** *Pyrinia itunaria*; **21)** *Tricentrogyna violescens*; **22)** *Pantherodes* sp.; **23)** *Phrygonis privignaria*. **24-27)** Noctuidae, Arctiinae – **24)** *Cissura plumbea*; **25)** *Viviennea tegyra*; **26)** *Mulona phelina*; **27)** *Horama oedippus*. **28)** Notodontidae – *Calledema argenta*. **29-36)** Noctuidae – **29)** *Sosxetra grata*; **30)** *Eulepidotis perducens*; **31)** *E. hermura*; **32)** *E. punctilinea*; **33)** *Gonodonta sinaldus*; **34)** *Antiblemma incarnans*; **35)** *Azeta rhodogaster*; **36)** *Ceroctena amynta*.



only six species from Honduras, while 46 and 15 species are recorded from Costa Rica and Guatemala, respectively. Matthews and Lott (2005) reviewed and catalogued larval foodplants of the world's Pterophoridae. While 70 plant families are utilized, one-third of pterophorids for which larval foodplants are known are associated with Asteraceae. Based on the diversity of the Asteraceae species found in the Herbario Zamorano Paul C. Standley, EAPZ, from Honduras (410 species) (database records, courtesy of Director, Dr. George Pilz) and comparison with the adjacent Central American faunas and the Nearctic fauna (159 species, Matthews 2006), the Honduran fauna of Pterophoridae should approach or exceed 50 species. After examination of material in the collections at EAPZ and our recent surveys, we now recognize 17 species of Pterophoridae from Honduras with 12 named species, and the remainder determined to genus. At least two species are known to be new, with descriptions in preparation by Matthews and Miller. In addition, Matthews and Miller (2010) recently described the life history of the cacao plume moth, *Michaleophorus nubilus* in Honduras, also noting the new record for the country.

The major macro moth groups (Zygaenoidea, Cossoidea, Sesiioidea, Lasiocampoidea, Bombycoidea, Geometroidea, Noctuoidea) account for 1,055 or 73% of the 1,441 moth species listed, with 674 of these represented by our recent fieldwork. Among the generally diurnal taxa, the Castniidae (Castniinae) are poorly known from Honduras. Originally, there were only a few Honduran records in collections of *Telchin atymnius futilis* and *Athis i. inca*. No specimens of the latter have been observed during our surveys as yet, but *T. atymnius futilis* has been frequently encountered along the northern coast at PBL and CURLA. In addition, specimens of another species, *Divana diva*, a species widely distributed throughout Central America, are known from PBL and also collected by RL (RLMM). Specimens of *Athis clitarcha*, originally described from Panama (Salvin) and Nicaragua (Belt) (Miller 1986), have also been collected in Honduras (RLMM and EAPZ). *Amauta cacica procera* was originally described from Guatemala, with most specimens in museum collections recorded from Chiriqui in Panama (Miller and Sourakov 2009). This species has been observed by Janzen in eastern Costa Rica (pers. comm.) and collected in Honduras (RLMM and EAPZ). Another species, *Telchin licus*, has not been previously recorded in the literature north of Panama, but it has also been collected in Honduras (RLMM and EAPZ). This species, an agricultural pest normally associated as larvae with various *Heliconia* and sugar cane in South America (especially Amazon basin), appears to be well established in the Pico Bonito National Park and elsewhere along the northern coast of Honduras. This latter species has obviously extended its geographic range or possibly was introduced to the area. We believe that with continuing surveys at least another two to four species of Castniidae will be found to occur in Honduras.

The Noctuoidea are thus far represented by 561 species, primarily Erebidae (386 species). While most have been collected at lights, a few, such as *Ascalapha odorata*, were commonly found in bait traps. We have also observed *Azeta rhodogaster* (Fig. 35) during the day on a regular basis, easily spotted in flight by the red abdomen. The larvae of this species feed on the "living fence" tree *Gliricidia sepium* (Fabaceae) which is very common in northern Honduras and elsewhere in Central America. Also encountered during the day at PBL and CURLA were several dioptines (Notodontidae), including *Oricia truncata* and *Josia*, *Phanoptis*, and *Phaeochlanena* spp., the latter along with several of the nocturnal genera in our material containing undescribed species and in need of careful study (James Miller, pers. comm.). Certain erebid genera such as *Eulepidotis* (12 species) of the Eulepidotinae and *Gonodonta* (10 species) of the Calpinae are notably diverse at PBL, but the Arctiinae are overall the most diverse with 210 species listed for Honduras and 131 collected at PBL. While some of the striking wasp mimics of this group are frequently encountered at the sheet, such as *Horama plumipes*, others, for example, the widespread species *H. oedippus* (Fig. 27), are represented by single specimens. Some genera such as *Macrocneme* are numerous at the sheet but though first appearing as single species, show slight variations in the maculation and metallic hues on the black forewings, with cryptic species likely involved. One of our most significant finds in the Arctiinae is a single specimen of *Euthyone theodula* (Lithosiini), previously known only by the Schaus holotype from Guatemala in the USNM.

The Geometroidea are another sizeable group with 215 species recorded for the country and 161 collected at PBL. Several species are more or less ubiquitous, present in large numbers at the sheet during each sampling period. Examples include three species of *Synchlora* Guenée, *Tricentrogyna violescens* (Fig. 21), *Pyrinia sanitaria*, *Patalene aenetusaria*, *Oxydia vesulia*, and *Leuciris fimbriaria*.

Certain genera such as *Macaria* and *Eois* are common and will undoubtedly add named species to the list with further identification work including dissections of genitalia and comparison with type material. Revisionary studies such as Poole (1987) and Pitkin (1993, 1996) have greatly contributed to the known fauna. Further collecting and identifications by CVC and others as well as the results of ongoing barcoding work by research associates visiting PBL in June 2010 in collaboration with the Biodiversity Institute of Ontario are also expected to contribute markedly to our knowledge of the Honduran fauna.

During the last two years, our surveys have sampled the overall lepidopteran biodiversity but due to the limitations on the total numbers of collected specimens permitted per trip and space considerations in transport, we have focused on many of the smaller moths. However, within the Bombycoidea, we have collected several Bombycidae (7) and have voucher specimens and other records for 82 Saturniidae. Although Ronald Cave and Robert Lehman have collected a number of the Hemileucinae during their respective surveys, we have not yet collected voucher specimens for many of these species. However, *Schausiella santarosensis* was a remarkable find, collected in November during some rather heavy rains. In reviewing the literature and other records, it is surprising that *Copiopteryx semiramis* has not been reported in literature accounts for Honduras. This genus is rather uncommon in the field, but conspicuous because of the long tails. Meerman (1999) listed it for Belize and there is a single specimen from Honduras in EAPZ. The diversity of another major bombycoid lineage, Sphingidae, at PBL is remarkable with about half (50) of the total number of known Honduras species (112) present.

Within the butterflies, the number of known Mesoamerican HesperIIDae (combined species and subspecies) is rather remarkable. Evans (1951, 1952, 1953 and 1955) listed 223 species of HesperIIDae from Honduras, while Munroe and Miller (1967) recorded 83 species, many of which were new national records at the time. ADW (unpublished) conducted an analysis of species represented in literature and collections, and the results are indicative of how few biodiversity surveys have been completed in some areas of Mesoamerica. Records for HesperIIDae in Central America were as follows: Mexico 792, Belize 282, Guatemala 391, El Salvador 283, Nicaragua 366, Costa Rica 589, and Panama 448. Including our recent field data, the total number of HesperIIDae now recorded for Honduras stands at 311 species. Based on the analysis of Mesoamerican distributions (ADW), we expect up to 587 taxa of HesperIIDae to eventually be found in Honduras, suggesting that as much as 47% of the country's hesperiid fauna remains to be documented. This number may at first seem unusually high, but the discovery of 35 undescribed hesperiid taxa from Mexico within the last 15 years, coupled with at least that many new hesperiid taxa recently discovered in Costa Rica (Burns and Janzen 2001, 2005a,b; Burns et al. 2007; Hebert et al. 2004; Janzen and Hallwachs 2010; Pozo et al. 2008; Warren et al. 2011), reinforces the fact that there is much to learn about the distributions and diversity of Mesoamerican HesperIIDae, especially those of high-altitude habitats, which are very poorly known for HesperIIDae and other groups in Honduras.

Compared to the Hesperioidea, there are fewer new additions in the Papilionoidea with a total of 550 taxa recorded for Honduras, 267 for which we have collected voucher specimens during our 2009-2010 surveys. There are a number of potential additional species recorded for the country, but often these are taxa which have been recorded from surrounding countries and not been previously published elsewhere. Some of the most noteworthy new records include *Ostrinotes purpuriticus*, *Strophannota sphinx*, *Euselasia h. hieronymi*, *Ectima erycinoides*, and *Oxeoschistus tauropolis*. The butterflies provide some interesting statistics with respect to the overall species biodiversity. For example, in the Riodinidae, there are 101 vouchered or potential taxa for Honduras and of these, we have identified and collected 50 taxa thus far. Some species such as *Calospila cilissa* and *Juditha caucana* appear to have multiple broods throughout the year and were present at PBL during our surveys in May, June, August and November. Other interesting species in this group include *Leuchochimona lepida nivalis*, *Peropthalma tullius*, *P. lasus*, and *Notheme erota diadema*. While there is great diversity in the genus *Calephelis*, some problematic specimens remain undetermined. Although members of this family did perch on the under surface of plants, we observed a number taking nectar on flowers in open sunny patches both at PBL and CA. Thus far, 50 Riodinidae and 51 Lycaenidae have been identified from our recent studies in Honduras compared with 49 Riodinidae and 101 Lycaenidae identified by Austin et al. (1996) from Tikal, Guatemala.

Several butterflies, including Lycaenidae (Eumaeini) and Hesperidae (Eudaminae), were collected at mercury vapor lights at night. Among these are *Cyanophrys fusius*, *Brangas neora*, *Bungalotis astylos*, *Dyscophellus phraxanor*, and *Polygonus s. savigny*. Only the latter species was also collected during the day. This source of sampling should not be overlooked since the crepuscular skippers and canopy dwelling lycaenids, such as *B. neora*, might not otherwise be readily encountered.

As previously noted, our list is by no means complete, especially for the moths, with only a fraction of the expected number of species represented for the country. Future survey work must extend to other areas of the country, and include sampling at higher elevations and in a greater variety of habitats. Even for PBL, it will be necessary to continue sampling with multiple techniques over the course of several years and throughout the year, to include the variation of seasonal wet/dry cycles, periodic heavy rainfall from Atlantic tropical systems, as well as rain shadow effects of mountains in the vicinity. Along with more extensive sampling, there are also problems to overcome with species-level identifications. Most of our determinations of moths are based on comparisons with species known from Guatemala, Belize, and Costa Rica, using limited literature, internet, and collection resources. For many of the taxa listed, we have, unfortunately, had to resort to using genus plus “sp.” or “nr.” (near) as a means of recording our results. While we have been able to determine most taxa to genus, there are still numerous morphotypes to be sorted out and classed as numbered unknowns in Gelechioidea, Noctuoidea, and likewise for several pyraloids, altogether representing approximately 170 species.

Although many of the low elevation species encountered thus far are broad-ranging and occur throughout Central America and much of the rest of the Neotropics, there are still overriding questions as to whether or not these similar phenotypes are indeed the same genotype or monophyletic species from one area to the next. Ultimately, DNA barcoding and morphological studies may help resolve some of these problems, including cases of cryptic sympatric species. However, especially for moths, many of the species we have identified were described by Walker, Druce, Schaus, and others more than 80 years ago and previously known only from the holotype specimens. Thus, while barcoding may separate close species, unless genomic sequences can be successfully obtained from these relatively old holotypes, final decisions on nomenclature will have to be based on morphology alone. This problem is further compounded by the need to examine the types of multiple synonyms already established for many neotropical species.

As our work continues and the list of species is refined through revisionary studies, there will be many other aspects of the natural history and biodiversity of Honduran Lepidoptera to further explore. Janzen and Hallwachs (2010) and collaborators have produced remarkable websites and long-term studies documenting the life histories of Guanacaste Lepidoptera in Costa Rica, and it is hoped that similar, if less extensive, efforts can be made at PBL in collaboration with staff, students, and parataxonomists. In many cases the best approach to life history studies may be to survey the associates of specific larval food plants. In general, our surveys of adults have been strictly qualitative, with the primary objective of assembling faunal lists and recognizing new records, undescribed and/or endemic taxa. We hope that this work will provide baseline data for more quantitative studies by future researchers investigating biodiversity patterns and trends in comparing areas based on elevation, microhabitat, environmental quality, climate change, and other factors used in recognizing critical areas for conservation management.

We have not yet assembled sufficient data to be able to make predictions on the number of endemic taxa to be expected for Honduras. This is due in part to working at low elevations, and limited sampling in isolated habitats such as the tropical dry forest habitats similar to the ER. We are aware of several new species from Honduras, though some are recognized as also occurring in other areas of Central America. In a few cases, such as in the Pterophoridae, though not necessarily endemic, the new species are known from Honduras only from PBL specimens.

Honduras, as a critical part of the Mesoamerican biodiversity “hot spot” has much to offer in the study of Lepidoptera and other organisms. In addition, studies of fluctuating distributions and evolutionary divergence patterns of taxa in Central America and the Caribbean Basin can provide insight to our understanding of phylogenies and divergence patterns within higher taxa. The present listing of taxa and review of previous works provide a foundation for further surveys and studies in the area. We welcome additions and corrections to the present list for future updates and encourage

individual publications of faunal records, life history studies, and revisionary works including material collected from past, present, and future surveys. This work not only contributes to science in general, but serves to increase the value and appreciation of the natural resources of this country for future generations of Honduran citizens.

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