

BUTTERFLIES OF THE STATE OF NAYARIT, MEXICO

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ABSTRACT. A list of the Rhopalocera of the state of Nayarit, Mexico, is presented, which includes 538 species from 276 genera and 5 families. The list is presented in a synthetic manner, mentioning the localities, months of occurrence, and source of every record for each species. Based on this list, previous equivalent faunal works by Vargas et al. (1996), Warren et al. (1998) and Luis et al. (in prep.) for the states of Jalisco, Colima, and Michoacán, respectively, Nayarit's species are classified according to their distribution within these four states; 74% of the total number of species in Nayarit are shared with the other three states, while 5% of the species are known in the region only from Nayarit.

Additional key words: distribution, Hesperioidea, Papilionoidea, Jalisco, Colima, Michoacán.

RESUMEN. Se integró la lista de los Rhopalocera del estado de Nayarit, México, que suma 538 especies, de 276 géneros y cinco familias. Esta se presenta de manera sintética mencionando las localidades, meses de ocurrencia y las colecciones o fuentes de información. Con base en la presente lista, los trabajos equivalentes previos de Vargas et al. (1996), Warren et al. (1998) y de Luis (en prep.) para los estados de Jalisco, Colima y Michoacán, respectivamente, se clasificó a las especies de acuerdo con su distribución en esos cuatro estados, obteniéndose que el 74% del total de especies de Nayarit se comparte con los otros tres estados y que el 5% del mismo es exclusivo para ese estado.

Palabras clave adicionales: distribución, Hesperioidea, Papilionoidea, Jalisco, Colima, Michoacán.

This study adds to our knowledge of the distribution of western Mexican butterflies, initiated by the works of Vargas et al. (1996) for Jalisco and Warren et al. (1998) for Colima. Similar lists for the states of Nayarit (herein) and Michoacán (Luis et al. in prep.) have been developed to further our objective, given that these are the states situated to the north, and south (respectively) of Jalisco and Colima, and share much of the same fauna.

HISTORY OF BUTTERFLY STUDIES IN NAYARIT

The butterfly fauna of Nayarit has received very little formal study. The volumes by Godman and Salvin (1879-1901) contain the first published records of species from the state, listing 23 Hesperioidea and 53 Papilionoidea species. Nayarit material studied by Godman and Salvin was reported as being from three localities: the Sierra Madre de Tepic (34 spp.), San Blas (17 spp.) and the Islas Tres Marias (12 spp.).

The next works to present a significant number of records for Nayarit butterflies are those by Hoffmann (1940, 1941); 15 species of Hesperioidea and 9 species of Papilionoidea were reported, mostly from "Nayarit." Hoffmann listed three specific localities within Nayarit, the Sierra Madre de Nayarit (1 sp.), the Sierra Madre Occidental (1 sp.) and the Islas Tres Marias (1 sp.).

More recently, Beutelspacher (1984) presented records of 12 species of Papilionidae from Nayarit, from Ahuacatlán (1 sp.), Compostela (2 spp.),

Carretera Puerto Vallarta (1 sp.), Islas Tres Marias (1 sp.), La Colonia (1 sp.), Mirador del Águila (1 sp.) and San Blas (1 sp.). De la Maza (1987) presented records for 2 Hesperioidea and 48 Papilionoidea species, from several localities: Compostela (2 spp.), Cruz de Juanacaxtle (4 spp.), El Palillo (1 sp.), La Bajada (2 spp.), La Libertad (1 sp.), La Yerba (3 spp.), Lima de Abajo (8 spp.), San Blas (10 spp.), Singayta (2 spp.), Venustiano Carranza (6 spp.).

As shown above, San Blas is one of the classic sites that has been most frequently collected. Additionally, the Lepidoptera collection at the Los Angeles County Museum, California, houses 37 species from San Blas collected by the following collectors between the years of 1956 and 1970: M. Bell, J.C. Spencer, Rubbert and A.R. Gillogly. The collection at the California Academy of Sciences (San Francisco) houses 24 species from San Blas collected by D. Giuliani, Allen, Davies, G.E. Heinsohn, Ernest R. Tinkham, Smith and Bill Patterson.

Llorente (1979) obtained a list of 185 butterfly species in an altitudinal transect including several types of vegetational zones, running from the coast at San Blas, over the Sierra de San Juan, to Tepic; the results of this study only included the Papilionoidea. The addition of Hesperiidae in our present study, as well as additional field research since 1979, has raised these numbers significantly.

STUDY AREA

The state of Nayarit is subtropical, its surface occupies 26,979 km² and is composed of 19 municipalities. The predominate climatic conditions along the coast and in lower portions of the Río Huaynamota and Río San Pedro drainages are warm to hot. Progressively cooler climates are encountered with an increase in elevation. From a geological point of view, Nayarit is composed of parts of four geological provinces, of which, the Sierra Madre Occidental occupies the eastern half (SPP 1981). The principal drainage of the Sierra Madre Occidental forms the Acaponeta and San Pedro Rivers, as well as the Río Grande de Santiago. The westernmost geological province, the Llanura Costera (or coastal plain) is dominated by sandy shores and swamps, characterized by sedimentary deposits dated to the quaternary period. According to Escalante (1988), the highest points in the state are Cerro El Vigía (2740 m), Volcán Sangangtuey (2300 m), and Volcán San Juan (2200 m). Soil and rock types in the state are primarily igneous in their origins.

The Islas Tres Marías are geographically related to the state of Nayarit, and are situated at a distance of 80 km to the west of the closest point on the western Mexican mainland (Escalante 1988).

According to INEGI (1988) and SAHOP (1981), eleven vegetational types occur in Nayarit, with tropical semi-deciduous forest predominating, covering almost one third of the area of the state.

Flores and Gerez (1994) indicate that the flora and fauna of Nayarit have been only partially studied; however 227 species of vertebrates endemic to Mesoamerica and 127 species endemic to Mexico are known from Nayarit. The state contains two protected areas which cover about 1% of the territory: Isla Isabel and Sierra de San Juan.

MATERIALS AND METHODS

Collections and Literature. The following sources and institutional collections have been consulted during the course of this study: ADW = Recorded by Andrew D. Warren; AME = Allyn Museum of Entomology (now the McGuire Center for Lepidoptera Research, Gainesville, Florida); AMNH = American Museum of Natural History (New York City); BMNH = The Natural History Museum (London, England); CAS = California Academy of Sciences (San Francisco); CIB = Instituto de Biología, UNAM (México City); CMNH = Carnegie Museum of Natural History (Pittsburgh, Pennsylvania); CUIC = Cornell University Insect Collection (Ithaca, New York); HAF = Hugh Avery Freeman, pers. comm. 1989-1998 (Garland, Texas); JPB

= James P. Brock, pers. comm. 1993-1998 (Tucson, Arizona); LACM = Los Angeles County Museum (California); MZFC = Museo de Zoología, Facultad de Ciencias, UNAM (México City); NSMC = Nevada State Museum Collection (Las Vegas); PMNH = Peabody Museum of Natural History, Yale University (New Haven, Connecticut); RES = Ray E. Stanford Collection (Denver and Fort Collins, Colorado); RH = Recorded by Richard Holland, (Albuquerque, New Mexico); SDNHM = San Diego Natural History Museum (California); UCB = Essig Museum of Entomology, University of California (Berkeley); USNM = United States National Museum, Smithsonian Institution (Washington, D.C.).

Additionally, the following works containing distributional records for the state of Nayarit were consulted: Austin & Warren (2001, 2002), Austin & Smith (1998), Bauer (1960), Beutelspacher (1976, 1984), Bouillet & Le Cerf (1912), Clench (1966, 1972), De la Maza & Turrent (1985), De la Maza, E.R. (1980), De la Maza, R.R. (1987), Field (1967), Freeman (1966, 1979), Friedlander (1986, 1987), Gibson & Carrillo (1959), Godman & Salvin (1879-1901), Hall (1999), Higgins (1960), Hoffmann (1933, 1940, 1941), Jenkins (1983, 1984, 1985, 1986, 1990), Jurado (1990), Kendall & McGuire (1984), Lamas (1979), Llorente (1985, 1988), Mc Alpine (1971), Miller (1974, 1978), Miller & De la Maza (1984), Nicolay (1976, 1979), Robbins (1991), Robbins et al. (1996), Steinhäuser & Warren (2002), Vargas et al. (1996), Vázquez (1989), Vázquez & Zaragoza (1979), Warren (1998, 2000), Warren et al. (1998), Warren & Llorente (1999), Wilmott & Hall (1999).

Some of the names used for taxa listed herein differ from names used in previous works by Vargas et al. (1996) and Warren et al. (1998). For Hesperiidae, these changes have been made in order to follow the nomenclature of Warren (2003) and Opler and Warren (2002), which incorporate changes based on recent published research. For Papilionoidea, these changes have been made mostly in order to follow the nomenclature adopted by Llorente et al.'s (in prep.) checklist of Mexican butterflies, and names usually follow Lamas' (in prep.) checklist of Neotropical butterflies. All changed names are indicated in the list, with the previous name listed following the current one (except changes from binomial to trinomial status, or vice versa, when no new name is introduced).

Fieldwork. During the years 1978 to 1982, personnel from the MZFC made systematic collections in the southeastern part of the state (Sierra de San Juan), which primarily included the following localities: Jumatán, La Bajada, La Yerba, Mecatán, Palapita,

Pintadeño, San Blas, San Quintín, Singayta and Venustiano Carranza (Table 1). Recently (1996-1998) the second and fourth authors have made collections at some of these localities, as well as others (El Refilión, El Guamúchil, Rancho La Noria); data from these recent collections have added to the previous list of species, especially in the families Lycaenidae and Hesperiidae.

RESULTS

Our review of the literature and collections has resulted in a list of 538 butterfly species, in 276 genera and 5 families (24 Papilionidae, 37 Pieridae, 144 Nymphalidae, 114 Lycaenidae and 219 Hesperiidae). An analysis of this list has resulted in Table 1 and Fig. 1, which include the richest localities in the state, in terms of known species numbers.

The localities in the Sierra de San Juan include San Blas (0-10 m), Singayta (20-150 m), La Bajada (110-400 m), Mecatán (150-400 m), Jumatán (300-400 m), Palapita (500-900 m), La Yerba (800-950 m), Tepic (970 m), Venustiano Carranza (950-1300 m), and Rancho la Noria (1540-1600 m), and include various vegetational zones from mangrove and coastal thorn scrub at San Blas to Pine-Oak Cloud Forest at Rancho la Noria (see

Table 1).

Based on equivalent faunal works by Vargas et al. (1996) for the state of Jalisco and Warren et al. (1998) for Colima, as well as the study by Luis et al. (in prep.) for Michoacán, and the the present study, a matrix of distributional data was assembled for the 776 species of Rhopalocera distributed within these four states. This matrix was then used to generate Fig. 2, showing that the majority of Nayarit's butterfly fauna (74%) is shared with the three states aligned to the south of it (Jalisco, Colima and Michoacán), while at present 5% are known in this region only from Nayarit. These numbers will change as our knowledge of these areas improves. At present, 651 species are included in the study by Luis et al. (in prep.) for Michoacán, as a result of a very significant labor force.

Figure 2 is useful for showing that, while about 74% of Nayarit's known species can be considered widely distributed in the region, distributional information for 26% of Nayarit's species is spotty and probably incomplete, region-wide. This figure also shows that the sites surveyed have a strong faunal affinity to the states directly to the south. We feel that this is part reality (many habitats types in the Sierra de San Juan do not

TABLE 1. Descriptions of the richest Nayarit collecting sites, with numbers of known species and vegetation types. Abbreviations in the left column are used in the species list to represent these localities.

Rank* / Code	Locality and Altitude (m.)	Vegetation Type	Number of Species	
1	JUM	Jumatán, 300-400	Tropical Deciduous Forest	249
2	LBA	La Bajada, 110-400	Tropical Semi-Deciduous Forest	228
3	MEC	Mecatán, 150-400	Tropical Semi-Deciduous Forest	223
4	SIN	Singayta, 20-150	Palm Forest dominated by <i>Orbignya cohune</i>	212
5	LYB	La Yerba, 800-950	Tropical Semi-Deciduous Forest - Pine-Oak Cloud Forest	166
6	SB	San Blas, 0-10	Mangrove and Coastal Thorn Scrub	152
7	VC	Venustiano Carranza, 950-1300	Pine-Oak Cloud Forest	147
8	PAL	Palapita, 500-900	Tropical Semi-Deciduous Forest	142
9	EREF	El Refilión, 780	Tropical Semi-Deciduous Forest - Pine-Oak Forest	127
10	LSMO	Laguna Santa María del Oro, 840	Tropical Semi-Deciduous Forest	126
11	EGUM	El Guamúchil (km 131, Hwy 200), 100	Tropical Semi-Deciduous Forest	114
12	RLNO	Rancho La Noria, 1540-1600	Pine-Oak Cloud Forest	106
13	COM	Compostela, 860	Tropical Semi-Deciduous Forest - Pine-Oak Forest	106
14	TEP	Tepic, 970	Tropical Semi-Deciduous Forest - Pine-Oak Forest	94
	NAY	Estado de Nayarit	various	88
	NVO	Nuevo Vallarta, 0-5	Coastal Thorn Scrub	81
	BUC	Bucerias, 0-5	Coastal Thorn Scrub	59

*The numbers at left correspond to the localities indicated on the map in Figure 1.

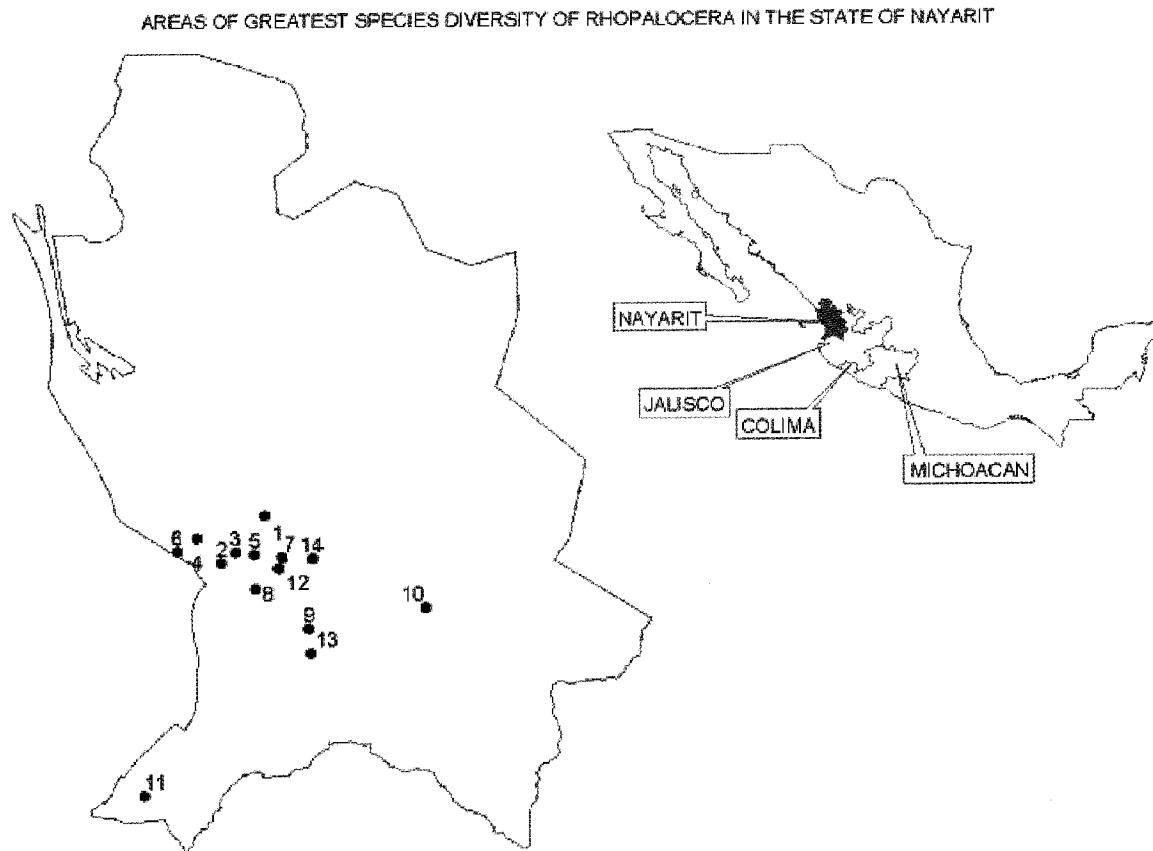


FIG. 1. Map of Nayarit, showing its position in western Mexico, with respect to Jalisco, Colima and Michoacán). Numbered localities refer to localities listed in Table 1, the richest known sites in the state in numbers of butterfly species.

extend into Sinaloa to the north), and in part an artifact of where surveys were conducted in Nayarit. The largely inaccessible north-eastern third of Nayarit remains virtually unknown for butterflies, and its fauna would presumably show strong faunal influences from the Sierra Madre Occidental. Great potential remains for adding new species to the list presented herein from the north-eastern third of the state.

We feel that most of the species known from three of these four western states will eventually be found to occur in all four states with continued fieldwork. Some species known from only one or two of these states may represent cases of disjunctly distributed taxa (such as *Phanus rilma* Evans 1952, *Astraptes phalaecus* (Godm. & Sal. 1893), *Synapte silna* Evans 1955, *Naevolus orius* (Mabille, 1883), *Quasimellana nayana* (Bell, 1941), *Hyanartia dione* ssp., *Dynamine artemisia* ssp., *Prepona deiphile lambertoana* Llorente, Luis & González, 1992, *Fountainea nobilis rayoensis* (J. Maza & Díaz 1978), and *Nesiostrymon calchina* (Hewit. 1868)), stray individuals (such as *Dryadula phaetusa* (L.

1758) and *Eueides isabella eva* (Fabr. 1793)), or cases of species that reach the limits of their geographical range in our study area (such as the northern population of *Amblyscirtes brocki* H. A. Freeman 1992, known to the north from Sonora). Many of these cases (such as *Joanna joanna* Evans 1955 known in Mexico from Nayarit, San Luis Potosí and Tamaulipas), however, have no obvious explanation and illustrate the need for further fieldwork in the region to clarify these distributional patterns.

BUTTERFLIES OF NAYARIT

The following list is presented in the same manner as recent lists for the states of Jalisco (Vargas et al. 1996) and Colima (Warren et al. 1998), and species are listed in approximately the same order. Localities each taxon is known from are listed roughly alphabetically. Most localities have been abbreviated; a complete listing of these is presented in Table 1. Localities are followed by the months (in lowercase Roman numerals) from which the species is known from that locality. For several

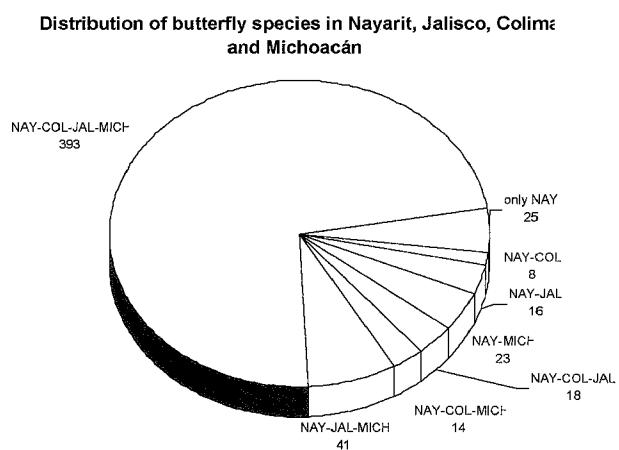


FIG. 2. Numbers of Nayarit's butterfly species that are shared among other western Mexican states. Data taken from this study, Vargas et al. (1996), Warren et al. (1998) and Luis et al. (in prep.) for Michoacán.

literature records (and rarely for specimens), no phenological data was provided with the locality record. The source for each record is provided: abbreviations for collections where the specimens are housed (see Materials and Methods), or literature citations (author and year) of the consulted source. In cases where literature records exist for the same specimens that were examined, the literature records may or may not be cited, but collection citations usually are.

Each taxon name and author is followed by one to three capital letters (J, C and / or M), which refer to other western Mexican states (Jalisco, Colima and Michoacán) from which that taxon is known from, at the time this study was submitted for publication. If none of these letters follow a species in the list, that species is not known from any of these other three states. Distributional data from these states (except Nayarit, presented herein, see also Warren & Llorente 1999) are taken from Vargas et al. (1996) for Jalisco, Warren et al. (1998) for Colima, and Luis et al. (in prep.) for Michoacán, with the exception of records obtained since the publication of these studies.

For example, see the entries for the first species listed, *Chalypage chalybea chloris* (Evans 1951). The passage essentially says: the species is also known from Jalisco, Colima, and Michoacán States; specimens from Bucerias from January are in the Warren collection; specimens from vic. Compostela from October are in the Cornell University Insect Collection; specimens from Jumatan from September are in the Museo de Zoología; specimens from La Bajada from January are in the Warren collection; specimens from La Yerba from October are in the Museo de Zoología; specimens from Mecatán from January, June and December are in the Warren collection; Hoffmann (1941) reported a general

"Nayarit" record, and specimens labeled as such from the Hoffmann collection are in the American Museum of Natural History. See Vargas et al. (1996:105) for additional discussion on how the entries for each taxon were constructed and how they should be read.

HESPERIIDAE (219 SPECIES)

Chalypage chalybea chloris (Evans 1951), as *Pyrrhopyge chloris* in Warren et al. (1998), J C M. BUC i (ADW); COM, vic. x (CUIC); JUM ix (MZFC); LBA i (ADW); LYB x (MZFC); MEC i,vi,xii (ADW); NAY ix (Hoffmann 1941: AMNH). See Mielke (2002) for generic change; see Austin & Warren (2002) for specific change.

Apyrrhothrix araxes araxes (Hewit. 1867), as *Pyrrhopyge a. araxes* in Warren et al. (1998), J C M. EREF x (ADW); Jasmine, 3.5 mi W on Hwy 15 vii (RES); RLNO ix (ADW, MZFC); TEP vii (HAF); VC vi,x (MZFC). See Mielke (2002) for generic change. Nayarit *araxes* are very large, compared to typical *araxes*.

Elbella scylla (Mén. 1855), J C M. EGUM x; EREF x (ADW); JUM ix (ADW, MZFC); MEC x (ADW); NAY ix; SB, 14 mi E ix (AMNH); SIN iv (MZFC); TEP ix (AMNH).

Mysoria amra (Hewit. 1871), J C M. COM, vic. x (CUIC); EGUM x; EREF x; JUM ix,xii (ADW), x (MZFC); Las Piedras x; LSMO ix (ADW); MEC vi,ix (MZFC), vi,x (ADW, MZFC); NAY (coastal) (Hoffmann 1941); Paso de Mesillas (km 54, Hwy 200) x (ADW); Playas Novillero vi (AMNH), xii (PMNH); SB (Godman & Salvin 1879-1901); SIN ix (MZFC), xii (ADW).

Mysoria affinis (Herr.-Sch. 1869), J C M. COM ix (HAF); NAY (Hoffmann 1941); TEP ix (AMNH).

Phocides polybius tilea (Reak. 1867), as *P. palemon tilea* in Warren et al. (1998), J C M. EREF x; JUM i,xii (ADW); NAY ix (AMNH). See Opler & Warren (2002) for specific change.

Phocides belus Godm. & Salv. 1893, J C M. LBA i (ADW); SB ix (MZFC); SIN xii (ADW). It is unknown if Hoffmann's (1941) records of *P. belus* from NAY refer to *belus* or the following species.

Phocides sp. NVO i (ADW); SB (BMNH). Apparently an undescribed species.

Phocides urania (Westw. [1852]), M. COM, vic. xi (CUIC). *Phanus albipapicalis* Austin, 1993, M. JUM xii; LBA i (ADW); LYB ix,x (MZFC); SIN xii (ADW).

Phanus rilma Evans 1952. LBA i (ADW); LYB ix (MZFC); MEC x (ADW).

Phanus marshalli Kirby 1880, J. EGUM xii; LBA i (ADW); NAY (AMNH).

Udranomia kikkawai (Weeks 1906), J. LBA i (ADW).

Proteides mercurius mercurius (Fabr. 1787) J C M. JUM xi (MZFC).

Epargyreus windi H. A. Freeman 1969, J C M. EGUM x; LBA i,vi; MEC vi,x (ADW); TEP ix (AMNH); Zapata, 3 mi SE viii (AME).

Epargyreus exadetus cruzae Evans 1952, J C M. MEC x (ADW); TEP, 22 mi NNW on Hwy 15 (at Jet Hwy 54) viii (AME).

Epargyreus aspina Evans 1952, C M. JUM ix; LSMO ix; MEC vi,x (ADW); SB viii (HAF); TEP, 22 mi NNW on Hwy 15 (at Jet Hwy 54) viii; Zapata, 3 mi SE viii (AME).

Epargyreus spinula spinula Evans 1952, J C M. MEC x (ADW).

Epargyreus spinosa Evans, 1952, J C M. MEC vi (ADW). *Epargyreus* sp., J C M. MEC x (ADW). Possibly an undescribed species.

Polygonus leo arizonensis (Skinner 1911), J C M. JUM xii; LSMO ix (ADW).

Polygonus savignyi (Latr., [1824]), as *P. m. manueli* Bell & Comstock 1948 in Warren et al. (1998), J C M. BUC, 7 mi N viii (RES); JUM i; LBA i; MEC i (ADW). See Mielke & Casagrande (2002) for taxonomic change.

Chioides albofasciatus (Hewit. 1867), as *C. catillus albofasciatus* in Warren et al. (1998), J C M. Aticama xii (ADW); COM, 3 mi N viii (AME); EREF xii (ADW); Francisco I. Madero viii (AME); JUM i,ix,xii; LBA i (ADW), vi (MZFC); LSMO ix (ADW); MEC i (MZFC); NAY vi,viii,ix (AMNH); NVO xii (ADW); PAL iii

- (MZFC); SB (Godman & Salvin 1879-1901), ix (AME); TEP ix (AME); VC iii (MZFC); Zapata, 3 mi SE viii (AME). See Austin & Warren (2002) for taxonomic change.
- Chiooides zilpa* (Butl. 1872), J C M. EGUM x; JUM ix (ADW); LSMO viii; Zapata, 3 mi SE viii (AME).
- Aguna asander asander* (Hewit. 1867), J C M. Aticama xii (ADW); BUC, 7 mi N viii (RES); COM, 3 mi N viii (AME); JUM i,xii; LBA i; MEC i,vi,x,xii (ADW); NAY iv (AMNH); RLNO i,x; SB i; SIN xii (ADW), iv (MZFC); TEP, 22 mi NNW on Hwy 15 (at Jet Hwy 54) viii (AME); VC iv,xi (MZFC); Zapata, 3 mi SE viii (AME).
- Aguna metophis* (Latr. [1824]), J C M. BUC i; JUM xii; LBA i; MEC i,xii; SIN xii (ADW).
- Typhedanus undulatus* (Hewit. 1867), J C M. COM, vic. viii (AMNH); EREF x; JUM ix; MEC x (ADW); Playas Novillero x (AMNH).
- Polythrix octomaculata* (Sepp [1844]), J C M. JUM i (ADW); NAY ix (AMNH); Zapata, 3 mi SE viii (AME).
- Polythrix asine* (Hewit. 1867), J C M. BUC i (ADW); Islas Tres Marias (BMNH); JUM ix; LBA i,vi; MEC x (ADW); Zapata, 3 mi SE viii (AME).
- Codatractus carlos* Evans 1952, J M. LBA i (ADW).
- Codatractus alcaeus* (Hewit. 1867), J M. LBA i (ADW).
- Codatractus sallyae* A. Warren 1995, J C M. EREF x (ADW).
- Codatractus melon* (Godm. & Salv. 1893), J C M. Puerto Vallarta, 20 mi N viii (AMNH).
- Codatractus bryaxis* (Hewit. 1867), J C M. NAY vii (AMNH).
- "*Codatractus*" *hyster* (Dyar 1916), J C M. COM, 3 mi N viii; LSMO viii (AME).
- Urbanus proteus proteus* (L. 1758), J C M. BUC xii (ADW); COM, 3 mi N viii; Francisco I. Madero viii (AME); JUM i,ix,xii; LBA i (ADW); LSMO viii (AME); MEC i (MZFC); NVO i,xii (ADW); SB ix (HAF); SIN ix (MZFC), xii (ADW); TEP ix (AMNH); TEP, 2.5 mi NW viii (AME).
- Urbanus viterboana* (Ehrm. 1907), J M. JUM xii (ADW); NAY v (AMNH); PAL iii (MZFC).
- Urbanus bellii* (Hayward 1935) J C M. COM, 3 mi N viii (AME); EGUM xii; EREF x; JUM i,ix,xii; LBA i; MEC i,vi,x,xii; RLNO ix; SIN xii (ADW); TEP, 22 mi NNW on Hwy 15 (at Jet Hwy 54) viii (AME).
- Urbanus pronta* Evans 1952, J C M. LBA i; MEC i,x (ADW).
- Urbanus esmeraldus* (Butl. 1877), J C M. JUM i,ix,xii; LBA i; MEC i,x; SIN xii (ADW); VC iii (MZFC).
- Urbanus evona* Evans 1952, J C M. MEC i (ADW).
- Urbanus esta* Evans 1952, J C M. JUM xii; LBA i; MEC vi; SIN xii (ADW); Zapata, 3 mi SE viii (AME).
- Urbanus dorantes* (Stoll 1790), J C M. BUC xii (ADW); COM, 3 mi N viii (AME); EGUM i,ix,xii; EREF x,xii (ADW); Francisco I. Madero viii (AME); JUM i,ix,xii (ADW), iii,xi (MZFC); LBA i (ADW), vi,xii (MZFC); Las Piedras x; LSMO ix (ADW), viii (AME); LYB vi (MZFC); MEC i,ix,xii (ADW), vi (MZFC); Paso de Mesillas (km 54, Hwy 200) x; NVO i,xii (ADW); Playas Novillero x (AMNH); RLNO i,ix,xii; SB i,vi (ADW), vii (HAF), ix,xii (MZFC); San Francisco xii; SIN xii (ADW), iv,ix (MZFC); TEP (Godman & Salvin 1879-1901), ix (AMNH); TEP, 2.5 mi NW viii; TEP, 22 mi NNW on Hwy 15 (at Jet Hwy 54) viii (AME); VC vii,xi (MZFC); Zapata, 3 mi SE viii (AME).
- Urbanus teleus* (Hübner 1821), J C M. COM, 3 mi N viii (AME); EREF x,xii; JUM i,ix,xii; LBA i; LSMO ix (ADW), viii (AME); MEC i,ix,xii; RLNO ix; SIN xii (ADW); Zapata, 3 mi SE viii (AME).
- Urbanus simplicius* (Stoll 1790), J C M. BUC xii (ADW); COM, 3 mi N viii (AME); EREF x; JUM i,ix,xii; LBA i (ADW), ix,x (MZFC); LSMO ix (ADW); LYB ix (MZFC); MEC i,vi,x,xii (ADW), ix (MZFC); SB vi (ADW); SB, 14 mi E ix (AMNH); SIN ix (MZFC), xii (ADW); TEP (BMNH); TEP, 22 mi NNW on Hwy 15 (at Jet Hwy 54) viii (AME); Zapata, 3 mi SE viii (AME).
- Urbanus procne* (Plötz 1881), J C M. Aticama xii (ADW); COM, 3 mi N viii (AME); EREF x; JUM i,ix,xii (ADW), iv (MZFC); LBA i; LSMO ix (ADW); MEC i,x,xii (ADW); Playas Novillero xi (AMNH); SB vi (ADW), viii (AME); SIN xii (ADW); TEP, 22 mi NNW on Hwy 15 (at Jet Hwy 54) viii (AME); Zapata, 3 mi SE viii (AME).
- (AMNH); SB vi (ADW), xi (AME); SIN xii (ADW); TEP (BMNH), viii,ix (AMNH).
- Urbanus doryssus chales* (Godm. & Salv. 1893), J C M. JUM ix,xii; LBA i; MEC x (ADW); NAY ix (AMNH); San Francisco xii; SIN xii (ADW).
- Astraptes fulgorator azul* (Reak. [1867]), J C M. BUC i,xii; EGUM xii; EREF x; LBA i (ADW); LYB v (MZFC); MEC vi,x (ADW); NAY viii,ix (AMNH); NVO i,xii (ADW); SB i (MZFC); SIN xii (ADW), ix (MZFC); VC iii,xi (MZFC); Zapata, 3 mi SE viii (AME).
- Astraptes egregius* (Butl. 1870), J C M. EGUM xii; LBA i; MEC i,vi; SIN xii (ADW).
- Astraptes phalaecus* (Godm. & Salv. 1893). SIN xii (ADW).
- Astraptes enotrus* (Stoll 1781), M. LBA i (ADW).
- Astraptes megalurus* (Mab. 1877), C M. NAY (Hoffmann 1941).
- Astraptes alector hopfferi* (Plötz 1882), J C M. COM, vic. v,x (CUIIC); JUM ix,xii (ADW), xi (MZFC); LSMO ix (ADW), viii (AME); MEC xii (ADW), x (MZFC); NAY ii,iv,viii,ix (AMNH); SIN xii (ADW).
- Astraptes anaphus annetta* Evans 1952, J C M. EGUM i,x; EREF x; JUM i,x,xii (ADW), xi (MZFC); LBA i (ADW), ix (MZFC); LSMO ix; MEC i,vi,x,xii (ADW); NAY viii,ix (AMNH); Paso de Mesillas (km 54, Hwy 200) x (ADW); Playas Novillero xii (AMNH); SB i; SIN xii (ADW); TEP (BMNH).
- Narcosius parisi helen* Evans 1952, J C M. LBA i; SIN xii (ADW).
- Autochton cellus* (Boisd. & LeC. [1837]), J M. RLNO ix (ADW); VC vi (MZFC).
- Autochton pseudocellus* (Coolidge & Clemence [1910]), J M. NAY (K. Roever, pers. comm. to ADW).
- Autochton cincta* (Plötz 1882), J C M. RLNO i,vi,ix (ADW); VC iii,x (MZFC).
- Autochton neis* (Geyer 1832), J C M. EGUM i; JUM xii; LBA i,vi (ADW); LSMO viii (AME); LYB ix (MZFC); MEC x,xii (ADW); NAY vii (AMNH); RLNO ix; SIN xii (ADW); TEP (BMNH); VC xi (MZFC).
- Thessia jalapus* (Plötz 1882), J. MEC iv (MZFC).
- Achalarus casica* (Herr.-Sch. 1869), J C M. NAY vii (AMNH).
- Achalarus albociliatus albociliatus* (Mab. 1877), J M. LSMO ix; MEC x (ADW).
- Achalarus toxaeus* (Plötz 1882), J C M. BUC i,iii,xii; EGUM xii; EREF x (ADW); Francisco I. Madero viii (AME); JUM ix,xii; LSMO ix; MEC x; NVO i,iii,xii; SB i,vi; SIN xii (ADW); TEP ix (AMNH); VC xi (MZFC); Zapata, 3 mi SE viii (AME).
- Cabares potrillo potrillo* (Lucas 1857), J C M. BUC xii; EGUM xii; JUM i; LBA i,vi; Las Piedras x (ADW); LSMO viii (AME); RLNO ix; SB vi; SIN xii (ADW); TEP ix (AMNH).
- Ocyba calathana calanus* (Godm. & Salv. 1894), J C M. LBA i (ADW); NAY ix (AMNH).
- Celaenorhinus fritzgaertneri* (Bailey 1880), J C M. COM, vic. i,x (CUIIC); EGUM i,xii; EREF x (ADW); LYB ix (MZFC); MEC x (ADW); Mirador del Aguila ix (MZFC); NAY vi (Hoffmann 1941: AMNH); PAL viii (MZFC).
- Celaenorhinus stola* Evans 1952, J C M. EGUM xii; LBA i (ADW); LYB x (MZFC); MEC x (ADW); PAL xi (MZFC).
- Spathilepta clontus* (Cr. 1775), J C M. COM, vic. x (CUIIC); EGUM i (ADW); El Palillo vi (MZFC); EREF x,xii; JUM ix,xii; LBA i (ADW), vi (MZFC); LSMO ix (ADW); LYB ix (MZFC); MEC i,vi,x,xii (ADW); NAY (Hoffmann 1941); SIN xii (ADW).
- Cogia hippalus hippalus* (W. H. Edw. 1882), J C M. JUM ix (ADW).
- Cogia calchas* (Herr.-Sch. 1869), J C M. COM, vic. vii (CUIIC); EREF x (ADW); Francisco I. Madero viii (AME); Jasmine, 3.5 mi W on Hwy 15 vii (RES); JUM i,ix; MEC x; NVO i; SB vi (ADW); Zapata, 3 mi SE viii (AME).
- Telemiades choricus* (Schaus 1902), J. SIN xii (ADW).
- Telemiades fides* Bell 1949, J. JUM i; LBA i; SIN xii (ADW).
- Polyctor cleta* Evans 1953, J C M. LBA i; SIN xii (ADW).
- Nisoniades rubescens* (Möschler 1877), J C M. BUC xii; EGUM xii; EREF x,xii; JUM i,ix,xii; LBA i; MEC i,x,xii; NVO i (ADW); SB, 14 mi E ix (AMNH); SIN xii (ADW).
- Pachyneuria licisca* (Plötz 1882), J M. EGUM i; MEC i,vi,x,xii; SB vi; SIN xii (ADW).

- Pellicia arina* Evans 1953, J C M. EREF xii; JUM ix,xii; LBA i; LSMO ix; MEC x,xii; NVO i; SIN xii (ADW).
- Pellicia dimidiata* Herr.-Sch. 1870, J C M. EREF x; JUM ix,xii; LBA vi; MEC i,x,xii; SIN xii (ADW).
- Noctuana lactifera bipuncta* (Plötz 1884), as *N. noctua bipuncta* in Vargas et al. (1996), J M. COM, vic. x (CUIC). See Austin & Warren (2002) for taxonomic change.
- Bolla subapicatus* (Schaus 1902), J C M. EGUM x; EREF x; LSMO ix (ADW), viii (AME).
- Bolla orsines* (Godm. & Salv. 1896), J C M. NAY viii (AMNH).
- Bolla evippe* (Godm. & Salv. 1896), J C M. EGUM x (ADW).
- Bolla eusebius* (Plötz 1884), J C M. EREF x; JUM ix; LBA i (ADW); LSMO viii (AME).
- Bolla cyltius* (Godm. & Salv. 1897), J C M. Islas Tres Marías [Type Locality] (BMNH).
- Bolla litus* (Dyar 1912), J C M. LSMO viii (AME).
- Staphylus tierra* Evans 1953, J C M. COM, vic. vii (AMNH); COM, 3 mi N viii (AME); EGUM x; EREF x,xii; JUM ix,xii; LBA i,vi; LSMO ix (ADW), viii (AME); LYB ix (MZFC); MEC i,x,xii (ADW); PAL viii (MZFC); Playas Novillero xi (AMNH); RLNO ix; SIN i,xii (ADW); TEP (BMNH), ix (AMNH); TEP, 2.5 mi NW viii (AME).
- Staphylus azteca* (Scudder 1872), J C M. BUC iii; EGUM i; LBA i (ADW); SB ix (AMNH); TEP (BMNH).
- Staphylus iguala* (Williams & Bell 1940), J C M. LSMO viii (AME), NAY vii (AMNH).
- Gorgythion begga pyralina* (Möschler 1877), J C M. BUC xii (ADW); COM, 3 mi N viii (AME); EGUM i,x,xii; EREF x; JUM i,ix,xii; LBA i,vi (ADW), iv (MZFC); Las Piedras x; LSMO ix; MEC i,vi,x,xii; SIN i,vi,xii (ADW); Zapata, 3 mi SE viii (AME).
- Zera hyacinthinus* (Mab. 1877), J C M. LBA i,vi; SIN xii (ADW); "Sierra Madre Occidental" [in Godman & Salvin (1879-1901) as *Pythonides pelopea* Godm. & Salv. 1894; as *Quadrus pelopea* in Hoffmann (1941); as *Z. tetrastigma* (Sepp 1848) in Freeman (1966)].
- Quadrus cerialis* (Stoll 1782), J C M. MEC x (MZFC), xii (ADW).
- Quadrus lugubris* (R. Feld. 1869), J C M. JUM xii; LBA i; SIN xii (ADW).
- Sastrata nordica* Evans 1953, J C M. LBA i; MEC xii; SIN xii (ADW).
- Paches polla* (Mab. 1888), J C M. EGUM i,x,xii (ADW); MEC x (ADW, MZFC).
- Atarnes sallae* (C. Feld. & R. Feld. 1867), J C M. EGUM i,xii; JUM i,xii (ADW), ix (MZFC); LBA i; LSMO ix (ADW), viii (AME); LYB ix (MZFC); MEC i,xii (ADW), x (MZFC); SIN xii (ADW).
- Mylon lassia* (Hewit. 1868), J C M. MEC x (ADW); PAL iii,xi (MZFC).
- Mylon maimon* (Fabr. 1775), as *M. menippus* (Fabr. 1777) in Vargas et al. (1996), J M. EGUM x; EREF x; JUM i,xii; LBA i; MEC i,xii; SIN xii (ADW); Zapata, 3 mi SE viii (AME). See Mielke & Casagrande (2002) for taxonomic change.
- Mylon pelopidas* (Fabr. 1793), J C M. BUC, 7 mi N viii (RES); JUM i,ix,xii; MEC x (ADW); SB vii (HAF); SIN ix (MZFC), xii (ADW); TEP ix (AMNH).
- Carrhenes fuscescens* (Mab. 1891), J C M. EGUM x; JUM ix; LBA vi (ADW); SB, 4 mi E vii; SB, 14 mi E ix (AMNH); SIN vi (ADW).
- Carrhenes canescens canescens* (R. Feld. 1869), J C M. LBA ix; LYB ix (MZFC); NAY viii (AMNH); PAL iii,xii (MZFC); SB vii (HAF).
- Zobera marginata* H. A. Freeman 1979. TEP, 18 mi N viii (Freeman 1979: AMNH).
- Clito aberrans* (Draudt, 1924), as *C. clito* (Fabr. 1787) in Vargas et al. (1996), J M. COM, vic. xi (CUIC). See Mielke & Casagrande (2002) for taxonomic change.
- Xenophanes tryxus* (Stoll 1780), J C M. Aticama xii; BUC xii; EGUM i; EREF x; JUM i; LBA i; MEC x (ADW); PAL iii (MZFC); SB vii (HAF); SIN xii (ADW); VC iii (MZFC).
- Antigonous nearctus* (Latr. [1817]), J C M. Cruz de Juanacaxtle (De la Maza 1987); JUM i,xii; LBA i; MEC i,x,xii (ADW); NAY ix (AMNH); SB i; SIN vi,xii (ADW), iv,ix (MZFC).
- Antigonous erosus* (Hübner [1812]), J C M. EGUM x; EREF x; JUM i,ix,xii (ADW), iii,x (MZFC); LBA i (ADW), iii,vi (MZFC); Las Piedras x; LSMO ix (ADW), viii (AME); MEC i,x,xii (ADW); NAY viii (AMNH); PAL iii (MZFC); SB vii (HAF); SIN xii (ADW); RLNO ix (ADW); SIN viii (AME); TEP ix (ADW); Zapata, 3 mi SE viii (AME).
- Antigonous emorsa* (R. Feld. 1869), J C M. COM, 3 mi N viii; Francisco I. Madero viii (AME); JUM ix (ADW); LSMO viii (AME); MEC x (ADW).
- Antigonous funebris* (R. Feld. 1869), J C M. JUM ix; LSMO ix (ADW), viii (AME); MEC vi (ADW).
- Systasea pulverulenta* (R. Feld. 1869), J C M. EREF x (ADW); LSMO viii (AME).
- Zopyrion sandace* Godm. & Salv. 1896, J C M. COM v (CUIC); EGUM i,x,xii; EREF x; JUM i,ix; LBA i,vi (ADW), vi,ix (MZFC); Las Piedras x; LSMO ix (ADW), viii (AME); LYB x (MZFC); MEC i,vi,x,xii; Paso de Mesillas (km 54, Hwy 200) x (ADW); Playas Novillero vi (AMNH); SB, 4.5 mi E viii (AME); SIN ix (MZFC), xii (ADW).
- Achlyodes busirus heros* Ehrm. 1909, J C M. BUC xii (ADW); COM, vic. viii (AMNH); EGUM x,xii; JUM i,ix,xii; LBA i; MEC i,x,xii; SIN xii (ADW).
- Achlyodes pallida* (R. Feld., 1869), as *A. selva* Evans 1953 in Warren et al. (1998), J C M. NAY vi (AMNH). See Austin & Warren (2002) for taxonomic change.
- Eantis tamenund* (W. H. Edw. 1871), J C M. JUM ix; LBA i; LSMO ix (ADW), viii (AME); MEC i,x (ADW); TEP, 2.5 mi NW viii (AME).
- Grais stigmaticus stigmaticus* (Mab. 1883), J C M. SB ix (MZFC).
- Timochares trifasciata trifasciata* (Hewit. 1868), J C M. JUM xii; MEC x (ADW); NAY viii (Hoffmann 1941: AMNH); SB (Godman & Salvin 1879-1901); SB, 4.5 mi E viii (AME); SIN xii (ADW); TEP (Godman & Salvin 1897-1901).
- Timochares ruptifasciatus* (Plötz 1884), J C M. JUM xii; MEC x; RLNO ix (ADW).
- Anastrus sempternus sempternus* (Butl. & H. Druce 1872), J C M. COM, 3 mi N viii (AME); EREF x; LBA i; MEC i,x,xii (ADW); NAY viii (AMNH); PAL iii (MZFC); SIN xii (ADW).
- Anastrus luctuosus* (Godm. & Salv. 1894), as *A. robigus* (Plötz 1884) in Warren et al. (1998), J C M. EGUM xii (ADW); SB vii (HAF); SIN xii (ADW). See Austin & Warren (2002) for taxonomic change.
- Ebrietas anacreon* (Staud. 1876), J C M. EREF x; LSMO ix; MEC x,xii (ADW); NAY (Hoffmann 1941); SIN xii (ADW); TEP (Godman & Salvin 1879-1901).
- Cycloglypha thrasibulus* (Fabr. 1793), J C M. JUM i,ix (ADW); LBA vi (ADW); NAY iv,vii (AMNH); SIN xii (ADW); VC iii (MZFC); Zapata, 3 mi SE viii (AME).
- Chiomara georgia georgia* (Reak. 1868), J C M. JUM xii; LBA i (ADW); LSMO viii (AME); Playas Novillero vi (AMNH); RLNO xii (ADW); SB v (BMNH), vii (HAF); TEP, 2.5 mi NW viii (AME).
- Chiomara mithrax* (Möschler 1879), J C M. BUC, 7 mi N viii (RES); COM, 3 mi N viii (AME); EREF x; JUM xii; MEC x, xii (ADW); NAY ix (AMNH).
- Gesta invisa* (Butl. & Druce 1872), J C M. BUC xii (ADW); COM, vic. iv,vi,vii (AMNH); El Palillo vi (MZFC); EREF xii; JUM ix; MEC x (ADW), i (MZFC); NAY iii (AMNH); NVO iii,xii; RLNO ix,xii (ADW); SB (BMNH).
- Erynnis juvenalis clitus* (W. H. Edw. 1883), J C. RLNO ix (ADW).
- Erynnis tristis tatus* (W. H. Edw. 1883), J C M. COM, vic. viii (AMNH); Jasmine, 3.5 mi W on Hwy 15 vii (RES); RLNO ix (ADW).
- Erynnis funeralis* (Scudder & Burgess 1870), J C M. COM, 3 mi N viii (AME); Jasmine, 3.5 mi W on Hwy 15 vii (RES); JUM i; LSMO ix; NVO iii; RLNO i,ix,xii (ADW); SB vii (HAF); TEP ix; Zapata, 3 mi SE viii (AME).
- Pyrgus albescens* Plötz 1884, J C M. LSMO viii (AME); TEP ix (ADW).
- Pyrgus philetas* W. H. Edw. 1881, J C M. LSMO viii (AME); SB vii (HAF).

- Pyrgus oileus* (L. 1767), J C M. Aticama xii; BUC i,iii,xii (ADW); COM x (CUC); COM, vic. viii (AMNH); EGUM i,x,xii; EREF x,xii; JUM i,ix,xii (ADW); iv,x,xi (MZFC); LBA i,vi (ADW), vi,ix (MZFC); Las Piedras x; LSMO ix (ADW), viii (AME); LYB vi,ix,x (MZFC); MEC i,vi,x,xii (ADW), ix (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); Mirador del Aguila ix (MZFC); NAY vi,vii (AMNH); PAL viii (MZFC); Playas Novillero xi (AMNH); RLNO i,ix,xii (ADW); SB (BMNH), i,vi (ADW), ix,xii (MZFC); San Francisco xiii; SIN vi,xii (ADW), ix (MZFC); TEP (BMNH), ix (ADW, AME, AMNH); TEP, 2.5 mi NW viii (AME); VC iii,vi,vii,x (MZFC); Zapata, 3 mi SE viii (AME).
- Heliopyrgus domicella domicella* (Erichson [1849]), as *Heliopetes d. domicella* in Warren et al. (1998), J C M. Playas Novillero vi (AMNH). See Austin & Warren (2001) for taxonomic change.
- Heliopetes macairea* (Reak. [1867]), J C M. Aticama xii (ADW); COM, 3 mi N viii (AME); El Palillo vi (MZFC); EREF x,xi; JUM ix,xii; LBA i,vi; Las Piedras x; LSMO ix (ADW), viii (AME); LYB ix (MZFC); MEC vi,x,xii (ADW); NAY ix (AMNH); NVO i,iii,xii; SB (BMNH), i,vi (ADW), vii (HAF); SB, 4.5 mi E viii (AME); SIN ix (MZFC), xii (ADW); TEP ix (AME); VC x,xi (MZFC); Zapata, 3 mi SE viii (AME).
- Heliopetes laviana laviana* (Hewit. 1868), J C M. JUM ix (ADW); NVO ix (AME); RLNO i (ADW); SB, 4.5 mi E viii (AME); SIN i (MZFC).
- Heliopetes arsalte* (L. 1758), J C M. JUM i,xii; LBA i; MEC i,xii (ADW), ix (MZFC); NVO i,iii,xii (ADW); SB (Godman & Salvini 1879-1901), vi (ADW), vii (HAF), ix (MZFC); SIN vi,xii (ADW).
- Heliopetes alana* (Reak. 1868), J C M. COM, vic. vii-ix (AMNH, CUC); EREF x,xi; LBA i (ADW), vi,ix (MZFC); LYB vi,x (MZFC); NAY vi-viii (AMNH); PAL viii,x (MZFC); RLNO ix (ADW); SB vii (HAF); SIN xii (ADW); VC iii (MZFC).
- Piruna penaea* (Dyar 1918), J C M. COM, vic. ix (AMNH).
- Dardarina dardaris* (Hewit. 1877), J C M. LSMO ix (ADW).
- Synapte pecta* Evans 1955, C M. NVO ix (AME).
- Synapte syraces* (Godm. 1901), J C M. COM, vic. viii (AMNH); EREF x; JUM ix; LBA i; RLNO ix (ADW); TEP ix (AMNH).
- Synapte shiva* Evans 1955, J C M. Francisco I. Madero viii (AME); JUM ix (ADW); LSMO viii (AME); TEP ix (AMNH); Zapata, 3 mi SE viii (AME).
- Synapte silna* Evans 1955. EREF x (ADW).
- Zariaspes mytheucus* Godm. 1900, J C M. EGUM x; MEC i,x (ADW); Playas Novillero xii (AMNH); SIN xii (ADW).
- Anthoptus insignis* (Plötz 1882), J C M. LBA i; MEC xii; SIN xii (ADW).
- Corticea corticea* (Plötz 1883), J C M. EGUM x; EREF x; JUM i,ix (ADW); LYB ix (MZFC); NVO i (ADW); Playas Novillero xii (AMNH); SIN xii (ADW); TEP ix (AMNH, ADW).
- Callimormus saturnus* (Herr.-Sch. 1869), J C M. BUC i,xii; EGUM x,xii; EREF x; JUM i,ix,xii; Las Piedras x; LBA vi (ADW); LSMO viii (AME); MEC x,xii (ADW); NAY (Hoffmann 1941, as *C. corades* (C. Feld. 1862)); Paso de Mesillas (km 54, Hwy 200) x; NVO i (ADW); Playas Novillero xi (AMNH); SB (BMNH); SIN xii (ADW); TEP ix (AMNH); VC vii (MZFC).
- Mnasiodes hicetaon* Godm. 1901, C. JUM i; LBA i; SIN xii (ADW).
- Methionopsis ina* (Plötz 1882), J C M. EGUM i,x,xii; EREF x (ADW); LBA i,vi (ADW), ix (MZFC); Las Piedras x; MEC x,xii; SB i; SIN xii (ADW).
- Repens florus* (Godm. 1900), J C M. LSMO ix (ADW); TEP (BMNH)[Type Locality]; Sierra Madre Occidental (Hoffmann 1941); Jalisco viii (AMNH).
- Phanes aletes* (Geyer 1832), J C M. JUM ix; SIN xii (ADW).
- Vidius perigenes* (Godm. 1900), J C M. Aticama xii (ADW); NAY (Hoffmann 1941).
- Monca crispinus* (Plötz 1882), as *M. tyrtaeus* (Plötz 1883) in Warren et al. (1998), J C M. MEC xii (ADW). See Mielke & Casagrande (2002) for taxonomic change.
- Nastraea julia* (H. A. Freeman 1945), J C M. COM, 3 mi N viii (AME).
- Cymaenes trebius* (Mab. 1891), J C M. COM, 3 mi N viii (AME); EGUM xii; EREF x,xii; JUM ix,xii; MEC x,xii (ADW); NAY (Hoffmann 1941, as *Lerdeaa edata* (Plötz 1883)); Playas Novillero
- xii (AMNH); RLNO ix; SIN xii (ADW); TEP ix; TEP, 18 mi N viii (AMNH); TEP, 2.5 mi NW viii; TEP, 22 mi NNW on Hwy 15 (at Jct Hwy 54) viii; Zapata, 3 mi SE viii (AME).
- Vehilius inca* (Scudder 1872), J C M. COM, 3 mi N viii (AME); EREF xii; JUM ix; LBA i,vi; LSMO ix; MEC i,x (ADW); PAL iii (MZFC); RLNO ix; TEP ix (ADW); Zapata, 3 mi SE viii (AME).
- Vehilius illudens* (Mab. 1891), J C M. Valle de Banderas, nr. viii (ADW).
- Mnasitheus nitra* Evans 1955, J. LBA i; San Francisco xii (ADW).
- Remella remus* (Fabr. 1798), J C M. EGUM i,x,xii (ADW); Jalcocotán vii (CIB); JUM i; LBA i,vi; MEC i,x; RLNO ix; SIN xii (ADW).
- Remella rita* (Evans 1955), J C M. COM, vic. iv (AMNH); RLNO i; VC vii,x (MZFC).
- Parphorus* sp. Zapata, 3 mi SE viii (AME). Possibly an undescribed species.
- Lerema accius* (J. E. Smith 1797), J C M. BUC xii (ADW); COM, 3 mi N viii (AME); JUM i,ix,xii; LBA i; LSMO ix (ADW); MEC i,xii; NVO i,xii; RLNO i,ix,xii; SB i; SIN xii (ADW); TEP ix (AMNH); VC iii (MZFC); Zapata, 3 mi SE viii (AME).
- Lerema liris* Evans 1955, J C M. JUM ix (ADW); LSMO viii (AME); LYB ix (MZFC); MEC x (ADW); Playas Novillero xi; TEP ix (AMNH); TEP, 2.5 mi NW viii (AME).
- Morys valda* Evans 1955, J C M. LBA i; MEC xii; SIN xii (ADW).
- Tigasis simplex* (Bell 1930), J. COM, 3 mi N viii; Zapata, 3 mi SE viii (AME).
- Vettius fantasos* (Cr. 1780), J C M. JUM ix; LBA i; MEC x, xii; SIN xii (ADW).
- Thoön modius* (Mab. 1889). MEC x,xii (ADW).
- Naevolus orius* (Mab. 1883). MEC vi (ADW).
- Argon argus* (Mösschler 1879), M. JUM ix (ADW).
- Tromba xanthura* (Godm. 1901), C M. MEC x (ADW).
- Carystus phorcus* (Cr. 1777), J. JUM x (MZFC).
- Perichares philetas adelae* (Hewit. 1867), J C M. EREF xii; MEC x; NVO xii; SB xii; SIN xii; TEP ix (ADW).
- Lycas argentea* (Hewit. 1866), J C. NVO xii (ADW).
- Joanna joanna* Evans 1955, J. MEC i; SB vi; SIN xii (ADW); TEP, 22 mi NNW, on Hwy 15 (at Jct Hwy 54) viii (AME).
- Quinta cannae* (Herr.-Sch. 1869), J C M. EREF x; LBA i; SIN xii (ADW).
- Mucia zygia* (Plötz 1886), J M. BUC xii; JUM ix; MEC x (ADW).
- Conga chydæa* (Butl. 1877), J C M. COM, 3 mi N viii (AME); JUM ix; LBA i (ADW); LSMO viii (AME); MEC i (ADW); Zapata, 3 mi SE viii (AME).
- Ancylloxyphya arene* (W. H. Edw. 1871), J C M. EREF x,xi (ADW); Francisco I. Madero viii (AME); JUM i,ix; LSMO ix (ADW); Playas Novillero xi,xii (AMNH); RLNO i,ix (ADW); TEP (BMNH).
- Copaeodes minima* (W. H. Edw. 1870), J C M. EREF xii; JUM ix (ADW); LYB x (MZFC); RLNO i,ix,xii; SB vi (ADW); TEP ix; TEP, 2.5 mi NW viii (AME).
- Hylephila phyleus phyleus* (Drury 1773), J C M. BUC i,iii,xii (ADW); COM, 3 mi N viii (AME); JUM ix; LBA i (ADW); NVO i,iii,xii (ADW); Playas Novillero xi (AMNH); RLNO ix (ADW); SB ix,xii (MZFC), vii (HAF); SIN xii (ADW); TEP (Godman & Salvini 1879-1901), ix (AMNH); VC xi (MZFC).
- Polites subreticulata* (Plötz 1883), J C M. COM, 3 mi N viii (AME).
- Polites vibex praeceps* (Scudder 1872), J C M. BUC xii (ADW); COM, 3 mi N viii (AME); Jasmine, 3.5 mi W on Hwy 15 vii (RES); LBA i; LSMO ix; NVO i,xii (ADW); PAL i (MZFC); Playas Novillero xii (AMNH); SB vi (ADW); TEP, 2.5 mi NW viii; Zapata, 3 mi SE viii (AME).
- Wallengrenia otho otho* (J. E. Smith 1797), J C M. JUM i,ix; LBA i; LSMO ix; MEC i,x (ADW).
- Pompeius pompeius* (Latr. [1824]), J C M. BUC i,iii,xii (ADW); COM, 3 mi N viii (AME); EGUM x,xii; EREF x,xii; JUM ix,xii; LBA i; Las Piedras x (ADW); LSMO viii (AME), ix (ADW); MEC xii; NVO i,iii,xii; SB vi (ADW); TEP (BMNH), ix (AME).

- Pompeius dares* (Plötz 1883), M. JUM i (ADW).
Poanes zabulon (Boisd. & LeC. [1837]), J C M. RLNO i,ix (ADW); VC xi (MZFC).
Poanes intimica (Butl. & Druce 1872), J C M. Zapata, 3 mi SE viii (AME).
Quasimellana mexicana (Bell 1942). NAY ix (AMNH).
Quasimellana eulogius (Plötz 1883), J C M. COM, 3 mi N viii (AME); JUM ix; LSMO ix (ADW); TEP ix (AMNH).
Quasimellana agnesae (Bell 1959), J C. NVO i,xii (ADW). See Warren (2000) for notes on this species.
Quasimellana mulleri (Bell 1942), J C M. Zapata, 3 mi SE viii (AME).
Quasimellana nayana (Bell 1941). Zapata, 3 mi SE viii (AME).
Quasimellana myron (Godm. 1900), J M. Zapata, 3 mi SE viii (AME).
Euphyes peneia (Godm. 1900), J M. JUM ix (ADW); SB, 4 mi E vii (AMNH).
Euphyes canda Steinhäuser & A. Warren 2002, M. MEC vi (Steinhäuser & Warren 2002).
Metron chrysogastra (Butl. 1870), J. VC iii (MZFC).
Amblyscirtes folia Godm. 1900, J C M. COM, 5 mi N viii (USNM); Zapata, 3 mi SE viii (AME).
Amblyscirtes raphaeli H. A. Freeman 1973, C M. LBA vi (MZFC).
Amblyscirtes brocki H. A. Freeman 1992. Zapata, 3 mi SE viii (AME).
Amblyscirtes tolteca tolteca Scudder 1872, J C M. COM, 3 mi N viii (AME); COM, 5 mi SW viii (Freeman 1993); JUM ix (ADW); LSMO viii (AME); LYB ix (MZFC); MEC vi (ADW); TEP ix (AMNH); TEP, 22 mi NNW on Hwy 15 (at Jct Hwy 54) viii; Zapata, 3 mi SE viii (AME).
Amblyscirtes novimmaculatus A. Warren 1998, J M. RLNO ix (Warren 1998; ADW).
Lerodea eupala (W. H. Edw. 1869), J C M. JUM i (ADW); LSMO viii (AME); SIN xii (ADW).
Lerodea arabus (W. H. Edw. 1882), J C M. NVO i (ADW).
Calpodes ethlius (Stoll 1782), J C M. COM, vic. v (CUIC); LYB ix; SB ix; VC x (MZFC).
Panoquina errans (Skinner 1892), J C. BUC i; NVO i (ADW).
Panoquina ocola (W. H. Edw. 1863), J C M. JUM i,xii; LBA i; MEC i,x (ADW); NAY (Hoffmann 1941); SIN xii (ADW).
Panoquina hecebolus (Scudder 1872), J C M. BUC, 7 mi N viii (RES); COM, 3 mi N viii (AME); LBA i (ADW); TEP ix (AMNH); Zapata, 3 mi SE viii (AME).
Panoquina lucas (Fabr. 1793), as *P. sylvicola* (Herr.-Sch. 1865) in Vargas et al. (1996), J C M. EREF x; JUM ix; LBA i; MEC i,x; NVO i (ADW). See Robbins et al. (1996) for taxonomic change; misspelled as *leucas* in Warren et al. (1998) and Warren (2000).
Panoquina evansi (H. A. Freeman 1946), J C M. BUC xii; JUM i,xii; LBA i; NVO i,xii; SB i (ADW).
Zenis janka Evans 1955, J. Cruz de Juanacaxtle (De la Maza 1987); SIN xii (ADW).
Nyctelius nyctelius nyctelius (Latr. [1824]), J C M. JUM ix; LBA i; SB vi (ADW).
Thespies dalman (Latr. [1824]), J C M. NAY x (AMNH); VC xi (MZFC).
Vacerra litana (Hewit. 1866), J C M. JUM ix; MEC i (ADW).
Vacerra gayra (Dyar 1918), J C M. NAY ix (AMNH).
Vacerra "lachares" Godm. 1900, J. COM, vic. x (CUIC); LBA i; MEC vi (ADW). See Vargas et al. (1996) for taxonomic comments.
Niconiades incomptus Austin 1997, as *N. xanthaphes* Hübner, [1821] in Vargas et al. (1996), J C M. EGUM xii; SIN xii (ADW).
Aides dysoni Godm. 1900, J C M. Aticama xii; Paso de Mesillas (km 54, Hwy 200) x (ADW); Rincón de Guayabitos ix (MZFC); SB, 4.5 mi E viii (AME).
Saliana fusta Evans 1955, J M. COM x (CUIC); LBA i; NVO xii (ADW).
Saliana esperi esperi Evans 1955, J C. LBA i; MEC xii; Paso de Mesillas (km 54, Hwy 200) x (ADW).
Saliana longirostris (Sepp 1840), J C. PAL xi; Punta de Mita iv (MZFC).
Thracides phidon (Cr. 1779), J C M. LYB xi (MZFC).
Stallingsia sp. NAY (K. Roever, pers. comm.). Apparently an undescribed species.
Agathymus rethon (Dyar 1913), J C M. El Pantanal vi (AMNH).
PAPILIONIDAE (24 SPECIES)
Battus philenor philenor (L. 1771), J C M. Amatlán (AMNH); JUM ix; LYB iii,vi (MZFC); TEP (AMNH).
Battus philenor orsua (Godm. & Salv. 1889), C. Islas Tres Marías (Godman & Salvini 1879 1901, Hoffmann 1940, Beutelspacher 1984); xi, xii (AMNH).
Battus polydamas polydamas (L. 1758), J C M. Bahía de Banderas (AMNH); BUC xii (ADW); Chacala x (MZFC); EGUM xii (ADW); El Palillo vi (MZFC); EREF x (ADW); Huajicori vii; Huajicori, 2 mi N vii,viii; Huajicori, 6 mi N vii (SDNHN); Hwy 200, 33 km N Puerto Vallarta iii,v (LACM); Islas Tres Marías (Godman & Salvini 1879 1901); JUM i,ix,xii (ADW), vii,ix xi (MZFC); LBA i (ADW), ix (MZFC); La Colonia (Beutelspacher 1984); La Peñita xii (MZFC); Las Piedras x (ADW); MEC ix (MZFC), i,x,xii (ADW); Navarrete x (LACM); NVO xii (ADW); PAL iii,x (MZFC); SB (Godman & Salvini 1879 1901), vii (ADW), viii (AME), xi (LACM), iii,ix,xi,xii (MZFC); SB, 20 mi E vi (LACM); SB, 3 mi S viii (CAS); San Ignacio, 4 km S on Hwy 200 ii (LACM); San Quintín ix (MZFC); SIN iv,vii,ix,xii (MZFC), vi,xii (ADW); TEP ix (AME).
Battus laodamas iopas (Godm. & Salv. 1897), J C M. Bahía de Banderas; COM viii (AMNH), viii (CUIC); El Palillo vi (MZFC); EREF x (ADW); Huajicori viii (SDNHN); JUM ix,x (ADW), ix xi; LBA ix; LYB viii,ix (MZFC); LSMO ix (ADW); MEC vii,ix (MZFC), x (ADW); RLNO ix (ADW); SB (Godman & Salvini 1879 1901), vii,viii (AME), ix (MZFC), viii,x (LACM); San Quintín ix; SIN iii,vi,x (MZFC); TEP viii (CAS).
Parides alopius (Godm. & Salv. 1890), J M. Jalisco viii, ix (AMNH); TEP, E of xii (LACM).
Parides photinus (Doubleday 1844), J C M. Ahuacatlán (Beutelspacher 1984); Aticama xii (ADW); COM viii x (AMNH); EGUM i,xii; EREF x; JUM i,ix,xii (ADW), ix,xii (MZFC); LBA i (ADW), ix (MZFC); LYB ix,xi (MZFC); MEC i,x,xii (ADW); PAL xii (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); Peñita de Jaltemba xii (MZFC); SB xii (MZFC), vii (AME); San Francisco xii (ADW); Santiago Ixquintla xii (LACM); SIN (De la Maza 1987), ix,xii (MZFC), vi,xii (ADW); VC iii,iv,xi,xii (MZFC).
Parides montezuma (Westw. 1842), J C M. Aticama xii (ADW); Bahía de Banderas xi (AMNH); Cerro San Juan (Bouillet & Le Cerf 1912); Chacala x (MZFC); COM viii,x (CUIC); EGUM x,xii (ADW) El Mamey, MEC vi; El Palillo iii (MZFC); EREF x,xii (ADW); Los Cocos - Matanchén v (MZFC); Huajicori vii; Huajicori, 2 mi N vii,viii; Huajicori, 4 mi N viii; Huajicori, 6 mi N viii (SDNHN); JUM iii,vii x (MZFC), i,ix,xii (ADW); LBA vi (ADW), vi,ix,x; LBA, 4 km E vi; LYB v,vi viii,ix xii; MEC ix (MZFC), i,vi,x,xii (ADW); Miramar Jalcoctán xii (LACM); PAL iii,x,xii; Pintadéño vi,x (MZFC); SB (De la Maza 1987; Godman & Salvini 1879 1901), vi (CAS), viii (AME), x (LACM); SB, 16 mi E viii (CAS); SB, Hwy 46 xi (LACM); San Quintín ix (MZFC); SIN iii,ix (MZFC), vi,xii (ADW); TEP viii (CAS).
Parides erithalion trichopus (Rothschild & Jordan 1906), J C M. Chacala x (MZFC); COM v,vii (CUIC), viii (AMNH); EGUM xii; EREF x; JUM i,ix,xii (ADW), xi; LBA ix (MZFC), vi (ADW); LBA, 4 km E vi; LYB iv,vi xi; MEC iii (MZFC), i,x,xii (ADW); PAL x,xii; Pintadéño x; San Quintín ix (MZFC); Sayulita, 2 mi N xi (CAS); SIN xii (ADW); TEP (De la Maza 1980), viii (CAS); TEP, E of xii (LACM); VC iii,iv,vi,vii,x,xii (MZFC), viii (De la Maza 1980).
Parides eurimedon mylotes (H.W. Bates 1861), C. TEP vi,vii (CAS). It is possible that these specimens are mis-labeled, or that the specimens are strays; the absence of other records from the state is curious.
Protagraphium epidaus tepticus (Rothschild & Jordan 1906), J C M. Ahuacatlán vii (UCB); El Mamey, MEC vi; El Palillo v,vi (MZFC); Jesús María vii (UCB); JUM vi viii (MZFC); LYB ix (MZFC); Pantanal; Playas Novillero, Tecuala (AMNH); SB (Beutelspacher 1984, Godman & Salvini 1879 1901, CMNH), vii

- (ADW), viii (LACM); SIN v,vii (MZFC); TEP (AMNH); TEP, 25 mi N vi (CAS).
- Protographium philolaus philolaus* (Boisd. 1836), J C M. Camalote vi (MZFC); COM (AMNH); El Palillo vi,xi (MZFC); Jesús María vii (UCB); JUM vii,viii; LBA vi (MZFC); Playas Novillero, Tecuala vi (AMNH); SB (De la Maza 1987), vii (ADW); SB, 7 mi E vii (SDNBM); SIN vii (MZFC); Tecuala, COM viii (CAS); TEP (Beutelspacher 1984); TEP, 25 mi N vi (CAS); VC vi,viii (MZFC).
- Protographium agesilaus fortis* (Rothschild & Jordan 1906), J C M. Camalote vi; LBA vi (MZFC); LYB (De la Maza 1987).
- Mimoides thymbraeus aconophos* (Gray [1853]), J C M. COM x (CUIC); JUM vi (MZFC); Mirador del Aguila ix (MZFC); TEP viii (AMNH); VC vi (MZFC).
- Mimoides ilus occiduus* (Vázquez 1956), J C M. JUM vii (MZFC); SB vi; TEP vi (CAS).
- Herachides rogeri pharnaces* (Doubleday 1846), as *Priamides pharnaces* in Warren et al. (1998), J C M. COM (Beutelspacher 1984); El Izote vi (MZFC); EREF x (ADW); Huajicori, 2 mi N viii; Huajicori, 4 mi N vii (SDNBM); JUM ix (ADW, MZFC); LBA i (ADW); vi; LBA, 4 km E vi; LYB x (MZFC); MEC i,x,xi (ADW), vi (MZFC); NVO i (ADW); PAL x,xii (MZFC); SB ix; SIN ix (MZFC), vi,xii (ADW); TEP (Beutelspacher 1984); VC vi,x xii (MZFC).
- Heraclides anchisiades idaeus* (Fabr. 1793), as *Priamides a. idaeus* in Warren et al. (1998), J C M. JUM i,ix; MEC x (ADW); SB, Hwy 46 xi (LACM).
- Heraclides ornythion* ssp., as *Calaides ornythion* ssp. in Warren et al. (1998), J C M. SB vi; SIN vi (ADW). Apparently an undescribed subspecies.
- Heraclides astyalus bajaensis* (J.W. Brown & Faulkner 1992), listed under *Calaides* in Warren et al. (1998), J C M. El Izote vi (MZFC); Playas Novillero, Tecuala vi (AMNH).
- Heraclides androgeus epidaurus* (Godm. & Salv. 1890), listed under *Calaides* in Warren et al. (1998), J C M. El Izote vi (MZFC); El Palillo (De la Maza 1987); LSMO ix (ADW); MEC ix; SIN ix (MZFC).
- Heraclides thoas autocles* (Rothschild & Jordan 1906), J C M. EGUM x (ADW); El Mamey, MEC vi; El Palillo vi (MZFC); JUM vii x; LBA i (ADW), vi,ix (MZFC); LBA, 4 km E vi; La Libertad, 3 km W iv; La Palma iii; LYB v,ix,x (MZFC); MEC i,x (ADW), iv,vii; PAL x,xii; Pintadeño iv; SB ix (MZFC), vii (ADW); San Quintín ix; SIN vii,ix,xii (MZFC).
- Heraclides cresphontes* (Cr. 1777), J C M. Bahía de Banderas (AMNH); BUC xii (ADW); COM (Beutelspacher 1984); EREF x (ADW); Jalisco (AMNH); Jesús María vii (MZFC); JUM iii,vii (MZFC), i; LBA i; LSMO ix; MEC x (ADW); SB viii (MZFC); SIN xii (ADW), ix (MZFC).
- Papilio polyxenes asterius* Cr. 1782, J C M. COM ; Jalisco (AMNH); LYB x (MZFC); Mirador del Aguila (Beutelspacher 1984); Santa Cruz v (RES); TEP (Beutelspacher 1984); SIN ix (MZFC).
- Pterourus pilumnus* (Boisd. 1836), C M. Camino Palapita xi; JUM viii,ix,xi (MZFC), ix,xii (ADW); LBA (De la Maza 1987); LYB iii,v,vi (MZFC); MEC i,x (ADW), iii,ix; Mirador del Aguila ix; PAL iii,xi,xii (MZFC); Pantanal (AMNH); Pintadeño vi,x (MZFC); RLNO ix (ADW); SIN ix (MZFC); TEP ix (CAS); VC iii,vi (MZFC).
- Pterourus garamas garamas* (Geyer [1829]), J C M. El Izote vi (MZFC); EREF x (ADW); LYB vii,ix,x; PAL xii (MZFC); RLNO i,vi,ix (ADW); VC (De la Maza 1987), iii,iv,vi,xi (MZFC).
- Pterourus menatius morelius* (Rothschild & Jordan 1906), as *P. victorinus morelius* in Warren et al. (1998), J C M. Cerro San Juan (Bouillet & Le Cerf 1912); COM, vic. viii (CUIC); El Izote vi; LBA ix; LBA, 4 km E vi; LYB iv vi, viii x (MZFC); MEC x (ADW); Mirador del Aguila ix; PAL x,xi; Tepetilte vi; VC iii,vi,xi (MZFC).
- PIERIDAE (37 SPECIES)**
- Enantia mazai diazi* Llorente 1984, J C M. COM (AMNH), viii (AME); COM, vic. viii (CUIC); EREF x,xii (ADW); Jalisco i,vii (MZFC); LBA vi (ADW), iv; LYB v-vii,ix xi (MZFC); ix,x (Vázquez 1989; Llorente 1984: CIB), xi (MZFC); Lo de García v (MZFC); MEC i,xii (ADW); PAL i,iii,vii,xi,xii; Pintadeño vi (MZFC); RLNO ix; SIN xii (ADW); Tepetilte vi; VC iii,iv,vi,xi,xii (MZFC).
- Lieinix nemesis nayaritensis* Llorente 1984, J M. Jalisco (CIB); Palapita i (Vázquez 1989; Llorente 1984: CIB); VC vi,x (MZFC).
- Dismorphia amphione lupita* Lamas 1979, as *D. amphiona lupita* in Warren et al. (1998), J C M. COM (AMNH, USNM), ix (CUIC, Lamas 1979; USNM), xi (Lamas 1979; AMNH); EGUM i; JUM i,ix (ADW), iii (MZFC); LBA (De la Maza 1987), i (ADW), iii,ix,xi (MZFC), iv,vi (Lamas 1979); LYB (Lamas 1979; MZFC, De la Maza 1987), v (Lamas 1979; MZFC), v,vi,viii x (MZFC), ix (CMHN, Lamas 1979; MZFC); Lima de Abajo (De la Maza 1987), ii (Lamas 1979); MEC iii (MZFC), xii (ADW); PAL iii, xii (MZFC); SIN v (MZFC), xii (ADW); VC iv (MZFC).
- Colias eurytheme* Boisd. 1852, J M. COM vi,vii,xi (AMNH); VC iii (MZFC).
- Zerene cesonia cesonia* (Stoll 1791), J C M. COM xi (AMNH); COM, 3 mi N viii (AME); EREF x,xii (ADW); Huajicori, 1 mi S vii (SDNBM); Islas Tres Marías xi; Jalisco ix (AMNH); JUM i,ix,xii (ADW), vii, xii (MZFC); LYB vi,ix,x (MZFC); LSMO ix; Las Piedras x; MEC xii (ADW); Mirador del Aguila ix (MZFC); NVO i,ii (ADW); PAL x,xi (MZFC); RLNO i,ix,xii (ADW); SB x (LACM); SIN ix (MZFC), xii (ADW); TEP ix (AME); VC x (MZFC); Zapata, 3 mi NE viii (AME).
- Anteos clorinde* (Godart [1824]), as *A. c. niveifera* (Fruhstorfer 1907) in Warren et al. (1998), J C M. BUC xii (ADW); COM, Jalisco (AMNH); EGUM xii; EREF x; JUM iv,viii,ix (MZFC); xii (ADW); LYB vi,ix,x (MZFC); LSMO ix; MEC ix (MZFC), x,xii; NVO i,xii (ADW); Pintadeño x (MZFC); SB i (CAS), ix; SIN ix (MZFC), xii (ADW); TEP viii (USNM); VC iii,iv,vi,x (MZFC).
- Anteos maerula* (Fabr. 1775), as *A. m. lacordairei* (Boisd. 1836) in Warren et al. (1998), J C M. Bahía de Banderas xi; COM (AMNH); EGUM xii (ADW); El Palillo iii (MZFC); Hwy 200, 30.5 km N Puerto Vallarta iii (LACM); JUM ix (MZFC), ix,xii; LBA i (ADW), ix; LYB vi,ix (MZFC); LSMO ix (ADW); MEC ix (MZFC), x,xii (ADW); PAL iii (MZFC); Playas Novillero, Tecuala (AMNH); RLNO ix; SIN vii,ix (MZFC), xii (ADW); VC iii,x (MZFC).
- Phoebe agarithe agarithe* (Boisd. 1836), J C M. Aticama, 2 km N v (MZFC); Bahía de Banderas; COM (AMNH); EGUM i,xii (ADW); EREF xii (ADW); Jalisco (AMNH); JUM xi (MZFC), i,xii; LBA i,vi (ADW); LYB vi,x (MZFC); Las Piedras x (ADW); Matanchén ix (MZFC); MEC x,xii (ADW); PAL x (MZFC); Playas Novillero, Tecuala (AMNH); SB i,vi (ADW), x (LACM), iii,ix,xi,xii (MZFC); SIN ix (MZFC), xii (ADW); Tepetilte v (MZFC); TEP (AMNH).
- Phoebeis argante* ssp., as *P. a. argante* (Fabr. 1775) in Warren et al. (1998), J C M. COM (AMNH); EGUM i,xii (ADW); El Mamey, MEC vi; El Palillo vi (MZFC); EREF xii (ADW); Francisco I. Madero viii (AME); JUM iv,vii ix (MZFC), xii; LBA i (ADW), vi,vii; LBA, 4 km E vi; LYB iv,vi,vii,ix,x (MZFC); LSMO ix; MEC i,xii (ADW), vi,ix; Mirador del Aguila ix; PAL iii,v,vii,x,xii (MZFC); Playas Novillero, Tecuala (AMNH); SB ix (MZFC), ii (CAS), viii (LACM); SIN vii,ix (MZFC); xii (ADW); VC iii,xii (MZFC). Apparently an undescribed subspecies.
- Phoebeis neocyparis virgo* (Butl. 1870), J C M. COM (AMNH); JUM vii (MZFC); MEC x (ADW); PAL iii (MZFC); RLNO i (ADW); VC iii,iv,xii (MZFC).
- Phoebeis philea philea* (L. 1763), J C M. COM (AMNH); EGUM i; EREF x,xi; JUM i,ix,xii (ADW), vii,ix (MZFC); LBA i (ADW); LYB iv,ix (MZFC); Las Piedras x; MEC i,x,xii (ADW), ix; Mirador del Aguila ix (MZFC); NVO xii; RLNO i,ix (ADW); SB i (ADW), x (MZFC, LACM); SIN xii (ADW), ix,xii (MZFC).
- Phoebeis sennae marcellina* (Cr. 1777), J C M. Aticama xii; BUC i,iii,xii (ADW); COM viii (AME); EGUM i,xii (ADW); El Palillo vi (MZFC); EREF x,xii (ADW); Hwy 200, 27 km N Puerto Vallarta iii; Hwy 200, 30.5 km N Puerto Vallarta iii (LACM); Islas Tres Marías (Godman & Salvin 1879 1901), xi; Jalisco (AMNH); Jesús María vii (UCB); JUM iii,iv,vii xi (MZFC), i,ix,xii; LBA i,vi (ADW), vi; LYB ix,x (MZFC); LSMO viii (AME), ix; Las Piedras

- x; MEC i,x,xii (ADW), ix; Mirador del Aguila ix (MZFC); Navarrete x (LACM); NVO i,iii,xii (ADW); PAL iii,xi (MZFC); Pantanal; Playas Novillero, Tecuala (AMNH); RLNO i,ix,xii (ADW); SB ix,xi,xii (MZFC), i,vii (ADW), vii (UCB); San Quintín ix (MZFC); Sayulita vi (LACM); SIN vii,ix (MZFC), xii (ADW); Tecuala, COM; TEP (AMNH), viii,ix (AME); TEP, 60 mi N viii (SDNHN); VC iii (MZFC); Zapata viii (AME).
- Rhabdodryas trite* ssp., as *R. t. trite* (L. 1758) in Warren et al. (1998), J C M. COM (AMNH); El Palillo iii (MZFC); EREF x,xii (ADW); JUM ix (MZFC), i,xii; LBA i,vii (ADW), ix; LYB iv,vi,ix; MEC iv,ix (MZFC), x (ADW); SIN vii,ix (MZFC), xii (ADW). Apparently an undescribed subspecies.
- Aphrissa statira jada* (Butl. 1870), J C M. BUC i,iii,xii (ADW); Chacala ix (MZFC); COM (AMNH); EGUM xii (ADW); El Palillo iii (MZFC); JUM vii ix (MZFC), i,xii; LBA i (ADW); LYB iv (MZFC); LSMO viii (AME); MEC xii; NVO i,iii,xii (ADW); SB viii (LACM); SIN iv,ix (MZFC), vi,xii (ADW); TEP (AMNH).
- Abaeis nicippe* (Cr. 1780), J C M. Amatlán (AMNH); BUC xii (ADW); COM (AMNH); JUM viii xi (MZFC); LBA i (ADW), vi (MZFC).
- Pyrisitia dina westwoodi* (Boisd. 1836), J C M. Amatlán (AMNH), i (CUIC); Aticama xii (ADW); Aticama, 1 km N vi (MZFC); COM (AMNH); EGUM i,x,xii (ADW); Hwy 200, 27 km N Puerto Vallarta iii; Hwy 200, 30.5 km N Puerto Vallarta iii (LACM); JUM xii; LBA i (ADW), vii,ix; LBA, 4 km E vi; LYB iv (MZFC); LSMO ix; MEC i,xii (ADW); Punta de Mita iii (MZFC); SB viii (SDNHN), x (LACM); SIN iv,vi,vii,ix (MZFC), xii (ADW); TEP ix (AME); VC x (MZFC).
- Pyrisitia lisa centralis* (Herr.-Sch. 1864), J C M. Aticama xii; BUC xii; EREF x,xii; NVO xii; RLNO ix (ADW); SB vi (ADW, CAS, UCB); SIN xii (ADW).
- Pyrisitia nise nelphae* (R. Feld. 1869), J C M. Aticama, 1 km N vi (MZFC); BUC xii (ADW); COM (AMNH); El Palillo iii (MZFC); EREF x (ADW); Francisco I. Madero viii (AME); Jalisco (AMNH); JUM ix (ADW), ix,x (MZFC); LBA i (ADW), ix; LYB vi,ix,x (MZFC); LSMO viii (AME); Matanchén ix (MZFC); MEC i,x,xii; NVO xii; RLNO ix; SB vi (ADW), ix,xi; SIN xii (ADW); TEP iv,vi (MZFC), x (AME); TEP, E of xii (LACM); VC iii,vi (MZFC).
- Pyrisitia proterpia* (Fabr. 1775), J C M. COM v (CUIC); COM, 6.5 mi S (AMNH); EGUM x; EREF x,xii (ADW); Francisco I. Madero viii (AME); Islas Tres Marías (AMNH); JUM iv,vii x (MZFC); i,ix,xii (ADW); LBA ix; LYB v,vi,ix,x (MZFC); LSMO ix; Las Piedras x (ADW); MEC ix (MZFC), i,xii (ADW); Mirador del Aguila ix; PAL i,x,xii; Pintadeño iv (MZFC); RLNO ix; SB vi (ADW), ii (MZFC), i,vi (CAS), ii,vii (UCB); SIN xii (ADW), vii,ix; Tepetilte v (MZFC); TEP ix (AME); TEP, 60 mi N viii (SDNHN); TEP, E of xii (LACM); VC iii,x,xii (MZFC).
- Eurema albula celata* (R. Feld. 1869), J C M. EREF x,xii; LBA i,vi (ADW), vi,vii,ix; LYB iv,ix (MZFC); MEC i,xii (ADW); PAL iii,vii,x xii (MZFC); Paso de Mesillas (km 54, Hwy 200) x; RLNO ix (ADW).
- Eurema arbela boisduvaliana* (C. Feld. & R. Feld. 1865), as *E. boisduvaliana* in Warren et al. (1998), J C M. Amatlán i (CUIC); BUC xii (ADW); COM (De la Maza 1897, AMNH); COM, vic. vii (CUIC); EGUM i,xii (ADW); EREF x,xii (ADW); Islas Tres Marías (Godman & Salvini 1879 1901, AMNH); Jesús María viii (MZFC); JUM i,ix,xii (ADW); viii xi (MZFC); LBA i (ADW); LYB x (MZFC); LSMO ix; MEC i,x,xii; NVO xii (ADW); Playas Novillero, Tecuala (AMNH); San Francisco xii; SIN xii (ADW); TEP ix (AME).
- Eurema daira sidonia* (R. Feld. 1869), as *E. daira* (Godart, 1819) in Warren et al. (1998), J C M. Acaponeta, 10 mi S xii (LACM); Acaponeta, 3 mi N vii (SDNHN); Amatlán (AMNH); Aticama xii (ADW); Bahía de Banderas (AMNH); BUC i,iii,xii (ADW); "Caponeta" [Acaponeta], 29 mi S i (CAS); COM (AMNH), v (CUIC), viii (AME); COM, 6.5 mi S (AMNH); EGUM i,x,xii (ADW); El Palillo iii,vi (MZFC); EREF x,xii (ADW); Huajicori, I mi S viii (SDNHN); Ixtlán del Río, 12 mi SE xii (UCB); Jalisco (AMNH); JUM i,ix,xii (ADW), iii,iv,vii,ix xi; LBA ix (MZFC); i,vi (ADW); LYB iii,vi,ix xii (MZFC); NVO i,iii,xii (ADW); Platanitos iii (MZFC); Playas Novillero, Tecuala xi (AMNH); RLNO ix (ADW); SB vi (CAS), vii (ADW), viii,x (LACM), iii,ix,xii (MZFC), xii (UCB); Sayulita vi (LACM); SIN vi,vi,ix,xii; VC iii (MZFC).
- Ganyra josephina josepha* (Salv. & Godm. 1868), J C M. Bahía de Banderas xi (AMNH); BUC i,iii,xii (ADW); COM viii,xii (CUIC), viii,ix (LACM), xi (AMNH); COM, vic. vii (CUIC); EGUM xii

(ADW); Hwy 200, 30.5 km N Puerto Vallarta iii (LACM); JUM ix (MZFC); i,xii (ADW); Mirador del Aguila ix (MZFC); NVO i,ii,xii (ADW); SB ix (MZFC); SB, Hwy 46 xi (LACM); SIN ix (MZFC), xii (ADW).

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Dione juno huascuma (Reak. 1866), J C M. BUC xii; EGUM xii; EREF xii (ADW); Hwy 200, 30.5 km N Puerto Vallarta iii; Hwy 200, 33 km N Puerto Vallarta iii (LACM); NAY (AMNH); JUM ix,x (MZFC), ix,xii (ADW); LBA vi,vii; LBA, 4 km E vi; LYB vi,x,xi (MZFC); NVO xii (ADW); Platanitos iii (MZFC); SIN ix (MZFC), xii (ADW); Tecuhuitata xii; Tepetilte vi (MZFC).

Dione moneta poeyii Butl. 1873, J C M. COM ii (USNM); NAY (AMNH); RLNO i (ADW); TEP, E of xii (LACM); VC xi (MZFC).

Agraulis vanillae incarnata (Riley 1926), J C M. Acaponeta, 10 mi S xii (LACM); EREF x (ADW); NAY (Hoffmann 1940; AMNH); Jesús María viii; JUM viii,ix (MZFC), i,ix,xii; LBA i (ADW), vi (MZFC); LYB x; MEC ix (MZFC), i,x; NVO xii (ADW); Río Cañas, (Mex. 15, km 145) viii (RH); SB i,vi,vii (ADW), xi; SIN iv,ix (MZFC); TEP, E of xii (LACM).

Dryadula phaetusa (L. 1758). SB x (MZFC).

Dryas iulia moderata (Riley 1926), J C M. Aticama xii (ADW); Aticama, 1 km N xii (MZFC); BUC i,xii (ADW); Chacala x (MZFC); COM viii (LACM); EGUM i,x,xii (ADW); EREF x,xii (ADW); NAY (AMNH); Isla María Madre ix,xii (CIB); Islas Tres Marías (Godman & Salvin 1879 1901; AMNH); JUM viii,ix,xi (MZFC), i,ix,xii; LBA i,vi (ADW); vi,vii,ix (MZFC); LBA, 4 km E vi; La Peñita xii; LYB ix,x (MZFC); LSMO ix; Las Piedras x (ADW); MEC ix (MZFC), i,x,xii (ADW); Mirador del Aguila ix (MZFC); Navarete x (LACM); NVO i,iii,xii (ADW); PAL i,iii,xii (MZFC); Paso de Mesillas (km 54, Hwy 200) x; RLNO i; SB i,vi (ADW), ii,xii (CAS), viii (LACM, SDNHM), xi (LACM), xii (MZFC); SB, 7 mi E viii (NSMC); San Francisco xii (ADW); San Quintín (km 130, Tepic-Puerto Vallarta) ix (MZFC); SIN iii,iv,vii,ix (MZFC), vi,xii (ADW).

Eueides isabella eva (Fabr. 1793). VC vii (MZFC).

Heliconius charithonia vazquezae W.P. Comstock & F.M. Brown 1950, J C M. Arroyo del Tepeguaje viii (MZFC); Aticama xii (ADW); Aticama, 1 km N vi (MZFC); BUC i,xii (ADW); EGUM i,x,xii (ADW); El Palillo iii (MZFC); EREF x,xii (ADW); El Torreón, 50 km SSE Tepic ix (CIB); Hwy 15, km 1000 viii (NSMC); Hwy 200, 27 km N Puerto Vallarta iii (LACM); NAY (AMNH); Isla María Madre xii (CIB); Islas Tres Marías (Godman & Salvin 1879 1901); JUM i,ix,xii (ADW), iii,iv,vii,ix (MZFC), i,vi (ADW); LBA, 4 km E vi; La Peñita xii; LYB ix,xii (MZFC); LSMO ix (ADW); Matanchén v (MZFC); MEC ix (MZFC), i,x,xii; NVO i,iii,xii (ADW); PAL i,iii,vii,xii (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); SB (Godman & Salvin 1879 1901, De la Maza 1987), i,vi (ADW, LACM), ii,xi,xii (CAS), ix xi (MZFC); Sierra Madre de Tepic (Godman & Salvin 1879 1901); SIN iii vii,ix (MZFC), xii (ADW); TEP ix (CIB), x (Gibson & Carrillo 1959); Tepic-Puga xii (LACM); VC iii,iv,vii,xii (MZFC).

Heliconius erato cruentus Lamas 1998, as *H. e. punctata* Beutelspacher 1982 by Warren et al. (1998), J C M. Aticama xii (ADW); Aticama, 1 km N vi,xi,xii; Aticama, 2 km N vi; Chacala x; Cocos-Matanchén v (MZFC); EGUM i,x,xii (ADW); Hwy 200, 33 km N Puerto Vallarta iii (LACM); NAY (AMNH); Jalisco 2000 vii,xi (CIB); JUM i; LBA i,vi (ADW), vi,vii,ix; LBA, 4 km E vi; Matanchén v (MZFC); MEC i; NVO xii (ADW); PAL xii; Peñita de Jaltemba xii; Platanitos iii (MZFC); SB (De la Maza 1987), i,vi,vii (ADW), ii,vi (CAS), viii (LACM), ix,xii (MZFC); SB, 3 mi E viii; SB, 5 mi E viii (CAS); San Francisco xii (ADW); San Quintín (km 130, Tepic-Puerto Vallarta) ix; Sayulita xii (MZFC); Sayulita Punta de Mita ii (LACM); SIN iv,vii,ix,x (MZFC), vi,xii (ADW).

Euptoieta hegesia meridiania Stichel 1938, as *E. h. hoffmanni* Comstock 1944 by Warren et al. (1998), J C M. BUC i,ii,xii (ADW); EGUM i,xii (ADW); El Palillo iii (MZFC); EREF x,xii (ADW); Hwy 15, km 1035 viii (NSMC); Isla María Magdalena xi (CIB);

Isla Tres Marías (Godman & Salvin 1879 1901; AMNH); JUM vii ix,xi (MZFC), i,ix,xii; LBA i,vi (ADW); LBA, 4 km E vi; LYB iii,x (MZFC); LSMO ix (ADW); MEC ix (MZFC); i,x,xii; NVO i,ii,xii (ADW); NAY (AMNH); PAL iii,x,xi; Pintadeño x (MZFC); RLNO ix (ADW); SB vi (ADW, CAS), viii (UCB), viii (LACM), ix (SDNHM); SB, 1 mi E viii (NSMC); SIN vi (ADW), iv,vii,ix; VC iv,vii (MZFC).

Vanessa atalanta rubria (Fruhstorfer 1909), J M. LYB x; PAL x; VC x (MZFC).

Vanessa annabella (Field 1971), as *Cynthia annabella* by Vargas et al. (1996), J M. Isla María Magdalena xi (CIB); RLNO xii (ADW).

Vanessa cardui (L. 1758), as *Cynthia cardui* by Vargas et al. (1996), J M. NAY; Islas Tres Marías (AMNH); LYB x; SIN ix; Tepetilte x; VC vi (MZFC).

Vanessa virginiensis (Drury 1773), J C M. LYB x (MZFC); MEC i (ADW); Pintadeño x (MZFC); RLNO i (ADW); VC vi (MZFC).

Nymphae antiopa antiopa (L. 1758), J C M. LYB viii (MZFC).

Polygonia interrogationis (Fabr. 1798), M. JUM ix; LBA ix (MZFC); VC (De la Maza 1987).

Hypanartia dione ssp. COM, 5 mi SW viii (MZFC). Apparently an undescribed subspecies.

Hypanartia godmani Bates 1864, J C M. PAL xii (MZFC).

Anartia amathea colima Lamas 1995, J C M. Aticama xii (ADW); Aticama, 2 km N v (MZFC); Bahía de Banderas (AMNH); BUC xii (ADW); Camalote vi (MZFC); COM (AMNH); EGUM i,x,xii (ADW); El Palillo vi (MZFC); EREF x,xii (ADW); Hwy 200, 27 km N Puerto Vallarta iii (LACM); Jalisco (AMNH); JUM viii,ix,xii (MZFC), i,ix,xii; LBA i,vi (ADW), vi,ix; LYB iii,iv,ix,xi (MZFC); LSMO ix; Las Piedras x (ADW); MEC ix (MZFC), i,vi,x,xii (ADW); Matanchén v; Mirador del Aguila iii,ix (MZFC); NVO i,ii (ADW); PAL i,iii,vii,viii,x (MZFC); Pantanal (AMNH); Paso de Mesillas (km 54, Hwy 200) x (ADW); Peñita de Jaltemba xii; Pintadeño x (MZFC); Playas Novillero (AMNH); RLNO ix (ADW); SB ix,x,xii (MZFC), i,ii (CAS), ii (CAS), i,vi,vii,xii (ADW), viii,x (LACM); SB, 7 mi E viii (NSMC); San Quintín ix; SIN vi,ix (MZFC), xii (ADW); TEP x (LACM); TEP, 17 mi NW xi (CAS); VC iii,x (MZFC).

Anartia jatrophae luteipicta Fruhstorfer 1907, J C M. Aticama xii (ADW); Aticama, 2 km N v; El Palillo vi (MZFC); EREF x,xii (ADW); JUM vii xi (MZFC), i,x,xii (ADW); LBA ix; LYB xi (MZFC); LSMO ix; Las Piedras x (ADW); Matanchén v; MEC ix (MZFC); x (ADW); SB ix,x,xii (MZFC), i,vi,xii (ADW), i,vi (CAS), vi (UCB), viii (LACM); Sayulita vi (LACM); SIN iii (MZFC).

Siproeta epaphus epaphus (Latr. [1813]), J C M. EGUM i (ADW); LBA ix (MZFC), i (ADW); LYB x,xi (MZFC); LSMO ix; MEC i,xii (ADW); PAL i,x,xii; San Quintín ix (MZFC); TEP, 15 mi NW (AMNH).

Siproeta stelenes biplagiata (Fruhstorfer 1907), J C M. Aticama, 1 km N xii (MZFC); EGUM x,xii (ADW); El Palillo iii (MZFC); EREF x (ADW); Jalisco (AMNH); Jesús María viii; JUM iv,vii xi (MZFC), i,ix,xii; LBA i (ADW), ix,x; LYB iv,vii,x,xi (MZFC); LSMO ix (ADW); Las Piedras x (ADW); MEC ix (MZFC), i,x,xii (ADW); Mirador del Aguila ix; PAL x,xii (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); Pintadeño x (MZFC); RLNO ix (ADW); SB (De la Maza 1987), i (ADW), viii (LACM), iii,ix,xii; San Quintín ix (MZFC); Sayulita Punta de Mita ii (LACM); Sierra Madre de Tepic (Godman & Salvin 1879 1901); SIN ix (MZFC), i,xi (ADW); TEP x (UCB); Tepic-Puga xii (LACM); TEP, 10 mi N (AMNH); VC iii,iv,x (MZFC).

Junonia coenia Hübner [1822], J C M. Jesus María viii; JUM ix,xi; LYB iii,iv,ix; PAL iii,x,xi; SB ix (MZFC); Sierra Madre de Tepic (Godman & Salvin 1879 1901); SIN iii; VC x (MZFC). It is not always possible to separate this taxon from the following one in western Mexico.

Junonia evareta nigrosuffusa Barnes & McDunnough 1916, as *J. genoveva nigrosuffusa* by Warren et al. (1998), J C M. Acaponeta, 10 mi S xii (LACM); Aticama xii; BUC xii (ADW); COM, vii. vii (CUIC); Hwy 46, 5 mi W Jct Hwy 15 viii (CAS); Jesús María vii (MZFC); JUM ix (MZFC), i,ix,xii (ADW); LYB iii,ix (MZFC); LSMO ix; MEC i; NVO xii (ADW); PAL xii (MZFC); RLNO i,xii

- (ADW); SB i (ADW), vi,vii (UCB), xi (LACM); SIN xii (ADW); Tuxpan, 15 mi N x (UCB); VC x (MZFC).
- Chlosyne ehrenbergii* (Geyer [1833]), as *Anemeca ehrenbergii* by Warren et al. (1998), J C M. El Palillo x (MZFC); NAY (Hoffmann 1940; Kendall & McGuire 1984; Jurado 1990); Jalisco; Pantanal (AMNH); SB (De la Maza 1987).
- Chlosyne endeis endeis* (Godm. & Salv. 1894), J. NAY (JPB); Jazmines, 3.5 mi NW vii (MZFC, USNM); Jazmines, 2.8 mi NW on Hwy 15 vii (SDNHN); Jazmines, 3.5 mi NW on Hwy 15 vii,viii; La Laguna, 2.8 mi S on Hwy 15 viii (NSMC); Sierra Madre de Nayarit (Hoffmann 1940); Sierra Madre de Tepic (Godman & Salvini 1879 1901; Higgins 1960: BMNH); TEP (LACM).
- Chlosyne gloriosa* Bauer 1960, J C M. Amatlán (AMNH); Arroyo del Refilón ix (CIB); COM (AMNH), v,x (CIB), viii,ix (USNM), x (MZFC); COM, 5 mi S x (NSMC); COM, 5 mi SW x (MZFC); COM, vic. vii (CUIC); Cruz de Juanacaxtle (De la Maza 1987), ix (NSMC); EGUM xii (ADW); Huajicori, 1.5 mi N viii (NSMC); Jazmines, 3.5 mi NW on Hwy 15 viii (NSMC); JUM iii,vii,ix xi (MZFC), ix (ADW); LBA vii,ix; LYB, 5 km E vi,ix; LYB x (MZFC); Las Piedras x (ADW); MEC ix; PAL x xii (MZFC); Pantanal (AMNH); Punto Camarón (Santa Cruz) (USNM); SB viii,xi (LACM); SB, 7 mi E viii (NSMC); San Quintín (km 130, Tepic-Puerto Vallarta) ix (MZFC); Sayulita Punta de Mita ii (LACM); SIN ix (MZFC); TEP [Type Locality] (Bauer 1960; Higgins 1960), iii,iv,ix (CIB), viii (AMNH, Vázquez & Zaragoza 1979: CIB).
- Chlosyne marianna* Röbert [1914], J C. TEP, 18 mi N viii; TEP, 25 mi N vi (CAS).
- Chlosyne hippodrome hippodrome* (Geyer 1837), J C M. Arroyo del Refilón ix (CIB); Chacala x (MZFC); COM (AMNH), vi (USNM), x (CIB); EREF x (ADW); Jalcoctán viii (CIB); Jesús María viii; JUM iii,ix (MZFC), ix (ADW); LBA vi,vii,ix; LBA, 4 km E vi (MZFC); La Colonia, 43 km SE Tepic ix (CIB); LYB v,vi,ix,x; LSMO ix (MZFC), vii (RH), ix (ADW); MEC ix (MZFC); vi,x (ADW); Mirador del Aguila ix; PAL iii,vii,x (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); Pintadeño vi,x (MZFC); RLNO ix (ADW), ix (MZFC); SB viii (LACM, SDNHN); SB, 7 mi E viii (NSMC); San Quintín (km 130, Tepic-Puerto Vallarta) ix (MZFC); Sierra Madre de Tepic (Godman & Salvini 1879 1901); SIN vii,ix,x (MZFC), i,vi (ADW); Tepetilte v (MZFC); VC x (MZFC).
- Chlosyne lacinia crocale* (W.H. Edw. 1874), J C M. Arroyo del Refilón ix (CIB); COM iv,ix (CUIC), vii (CIB); EREF x,xii (ADW); El Torreón, 50 km SSE Tepic ix (CIB); NAY (AMNH); Ixtlán del Río viii (CAS); JUM x (MZFC); LBA vi (ADW, MZFC); LBA, 4 km E; LYB x (MZFC); LSMO ix (ADW); MEC ix (MZFC); NVO i,iii (ADW); Pintadeño vi (MZFC); RLNO ix (ADW); SB ix (MZFC), vii (ADW); San Quintín (km 130, Tepic-Puerto Vallarta); SIN ix (MZFC); TEP ix (ADW); Tepic-Puga xii; TEP, 5 10 mi N xii; TEP, E of xii (LACM), xii (LACM); VC vi (MZFC).
- Chlosyne euneda* (Godm. & Salv. 1894), as *C. marina dryope* by Warren et al. (1998), J C M. COM (CUIC), vi,xi (AMNH), ix (USNM), x (CIB); COM, 12.3 mi W vii (SDNHN); Cruz de Juanacaxtle (De la Maza 1987); EREF x (ADW); JUM viii x (MZFC), ix (ADW); LBA vi (ADW, MZFC); LBA, 4 km E vi (MZFC); La Fortuna ix (NSMC); LYB ix xi; MEC ix (MZFC); Mirador, El Aguila, Tepic ix (CIB); PAL i,vii,viii,x (MZFC); SB xi (LACM); SIN ix (MZFC).
- Chlosyne rosita montana* (Hall 1924), J C M. COM v,viii (CUIC), vii (AMNH).
- Chlosyne theona* ssp., as *Thessalia theona* ssp. by Warren et al. (1998), J C M. Aticama xii (ADW); BUC i,iii,xii (Austin & Smith 1998: ADW); COM (AMNH), viii (CUIC); COM, 3 mi N viii (AME), viii (Austin & Smith 1998: NSMC); EGUM x (ADW); Jesús María viii (MZFC); JUM ix; LBA vi (ADW); LBA, 4 km E vi; LYB ix,x (MZFC); LSMO vii,viii,xii (Austin & Smith 1998: NSMC), vii (RH), viii (AME), ix (ADW); Las Piedras x (ADW); MEC ix (MZFC); NVO i,iii,xii (ADW); PAL iii (MZFC); Puerto Vallarta, 20 mi N viii (Austin & Smith 1998: NSMC); RLNO ix (ADW); SB ix (MZFC), vi (UCB), vii (ADW); SB, 3 mi E viii (Austin & Smith 1998: AME, NSMC); Tepetilte vi (MZFC); TEP ix (AME), ix (Austin & Smith 1998: NSMC); TEP, 10 mi N iii (Austin & Smith 1998: NSMC); Tuxpan, 5 mi N xi (Austin & Smith 1998); VC iii,vi (MZFC). Much of this material represents a blend between *C. theona mullinsi* (Austin & M. J. Smith 1998) and *C. theona brocki* (Austin & M. J. Smith, 1998). See Wahlberg & Zimmerman (2000) for generic change.
- Texola anomala* (Godm. & Salv. 1897), J C M. COM, vic. x (CUIC).
- Texola elada elada* (Hewit. 1868), J C M. COM (AMNH); EREF xii (ADW); Hwy 15, km 211 (S of TEP) vii (RH); Jalisco (AMNH); LYB ix (MZFC); LSMO ix (ADW); TEP vii (CIB), xii (LACM); Tepic-Puerto Vallarta, km 19 viii (CIB); Tepic-Tuxpan, km 20 x (CUC); VC xii (MZFC).
- Microtia elva elva* H.W. Bates 1864, J C M. Aticama xii (ADW); Bahía de Banderas (AMNH); Barranca del Oro, Ahuacatlán vii (CIB); COM (AMNH), v (CUIC), x (CIB); COM, 12.3 mi W vii (SDNHN); EGUM x,xii (ADW); El Izote vi (MZFC); EREF x,xii (ADW); Jesús María viii; JUM viii xi (MZFC), ix,xii (ADW); LBA ix; LYB ix,x (MZFC); LSMO ix; Las Piedras x (ADW); MEC vii,ix,xi (MZFC), vi,x,xii (ADW); Mirador del Aguila ix; PAL x (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); SB (AMNH, Godman & Salvini 1879 1901), v (Higgins 1960), x (LACM); Sayulita Punta de Mita ii (LACM); SIN ix (MZFC), vi,xii (ADW); TEP vi (CAS, UCB); TEP, 17 mi NW xi; TEP, 32 mi NW xi (CAS); TEP, 5 10 mi N xii (LACM); VC vi,viii (MZFC).
- Phyciodes mylitta thebais* Godm. & Salv. 1878, J M. TEP vii (AMNH).
- Phyciodes pallidens* (R. Feld. 1869), J C M. BUC i,iii,xii (ADW); EREF x (ADW); NAY (Hoffmann 1940); JUM ix (MZFC), ix; NVO xii (ADW); SB x (MZFC); Sierra Madre de Tepic (Godman & Salvini 1879 1901); TEP ix (ADW); VC vi (MZFC).
- Phyciodes tharos tharos* (Drury 1773), as *P. t. distinctus* Bauer 1975 by Vargas et al. (1996), J M. Jazmines, 2.5 mi N on Hwy 15 vii (NSMC); LSMO vii (RH); RLNO xii (ADW).
- Phyciodes phaon phaon* (W. H. Edw. 1863), C M. SB vi (ADW).
- Anthanassa nebulosa alexon* (Godm. & Salv. 1889), as *A. alexon alexon* by Warren et al. (1998), J C M. Ahuacatlán iii (MZFC); EREF xii (ADW); JUM iv (MZFC), xii (ADW); LSMO ix (NSMC); PAL i (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); VC iv,vi (MZFC).
- Anthanassa ardis ardis* (Hewit. 1864), J C M. Ahuacatlán x (MZFC); COM (CUIC), x (CIB); EGUM xii (ADW); EREF x,xii (ADW); LYB iv,vi,viii,x,xi; PAL i,x (MZFC); SIN xii (ADW); TEP xii (LACM); VC iii,iv,vi,xi (MZFC).
- Anthanassa tulcis* (H.W. Bates 1864), J C M. BUC i,xii (ADW); COM ix (CUIC); EGUM i,x,xii (ADW); El Palillo iii (MZFC); EREF x,xii (ADW); Isla Marfa Madre xii (CIB); Jalcoctán vii (CIB); JUM iii,iv,vii,ix,x (MZFC), i,ix,xii (ADW); LBA vi,ix,x (MZFC), i,vi (ADW); LBA, 4 km E vi (MZFC); LYB vii xi (MZFC); LSMO ix (MZFC), ix; Las Piedras x (ADW); MEC ix (MZFC), i,vi,x,xii (ADW); NVO i,iii,xii (ADW); PAL i,iii,x,xi; Peñita de Jaltemba xii; Platanitos iii (MZFC); Playas Novillero, Tecuala xi (AMNH); SB (Godman & Salvini 1879 1901), i,vi (ADW), ix (CIB), ix (MZFC); SB, 7 mi E viii (NSMC); San Francisco xii (ADW); San Ignacio, 4 rd km S on Hwy 200 ii (LACM); Sierra Madre de Tepic (Godman & Salvini 1879 1901); SIN vi,vii,ix (MZFC), xii (ADW); TEP xii (LACM); TEP, 32 mi NW xi (CAS); VC viii (MZFC).
- Anthanassa ptolyca amator* (Hall 1929), J C M. EREF xii (ADW); JUM ix; LBA ix; LBA, 4 km E vi; LYB, 5 km E vi (MZFC); LYB iv,vi,ix xi (MZFC); LSMO vii (NSMC); PAL iii (MZFC); SB vi (ADW), vii (CIB); Tepetilte vi,vi (MZFC); VC iii,vi,x (MZFC).
- Anthanassa sitalces cortes* (Hall 1917), J C M. LYB x,xii; PAL i (MZFC); RLNO ix (ADW); VC vi,x,xii (MZFC).
- Anthanassa texana texana* (W.H. Edw. 1863), J C M. Jalisco (AMNH); LYB vi,viii,ix (MZFC); RLNO ix (ADW); Sierra Madre de Tepic (Godman & Salvini 1879 1901); Tepetilte vi (MZFC); TEP ix (ADW); VC iii,vi,vii,x (MZFC).
- Tegosa guatemalena* (H.W. Bates 1864), C. Aticama, 2 km N vi; El Palillo iii (MZFC); EREF x (ADW); JUM iii,ix (MZFC); MEC vii (CIB), x,xii (ADW), x; PAL i (MZFC); SB (Godman & Salvini

- 1879 1901); SIN iv,ix (MZFC); Tepic-Puga xii (LACM).
- Castilia myia* (Hewit. [1874]) & *griseobasalis* (Röber 1913), J C M. COM vii (CIB); COM, vic. ix (CUIC); EGUM i,x,xii (ADW); EREF x (ADW); Jalcocotán vii (CIB); JUM ix (MZFC), i (ADW); LBA ix (MZFC), i,vi (ADW); LYB ix,x (MZFC); MEC xii (ADW); PAL i,vii,viii,x xii (MZFC); Sierra Madre de Tepic (Godman & Salvin 1879 1901). We have been unable to separate these two taxa with confidence, if they truly both occur in western Mexico.
- Historis odius dious* Lamas 1995, J C M. EREF x (ADW); JUM iii,viii,ix (MZFC), i,jx,xii (ADW); LBA ix; LYB iii,iv,x (MZFC); Las Piedras x (ADW); MEC ix (MZFC), i,x,xii (ADW); Mirador del Aguila ix; PAL xii; Pintadeño x; SB ix; SIN ix (MZFC), xii (ADW); VC x (MZFC).
- Historis acheronta acheronta* (Fabr. 1775), as *H. a. cadmus* (Cr. 1775) by Vargas et al. (1996), J C M. JUM ix (MZFC).
- Smyrna blomfeldia* datis Fruhstorfer 1908, J C M. EGUM x; EREF x (ADW); NAY (AMNH); Huajicori viii (SDNHN); JUM iii,viii,x,xii (MZFC), i,ix,xii (ADW); LBA vii,ix,x (MZFC), i (ADW); LYB iii,iv,x,xii (MZFC); LSMO viii (NSMC), ix (ADW); MEC vi,ix (MZFC), i,x,xii (ADW); Mirador del Aguila ix; PAL i,iii,vii,viii,x,xii; Pintadeño x (MZFC); RLNO ix,xii (ADW); SB (De la Maza 1987), vi (CAS); San Quintín ix; SIN ix (MZFC), xii (ADW); Tepic-Puga xii (LACM); VC i,iii,iv,vi,viii,x,xii (MZFC).
- Smyrna karwinski* Geyer 1833, J C M. COM x (USNM); JUM viii,ix; Mirador del Aguila ix (MZFC); San Quintín (km 130, Tepic-Puerto Vallarta) ix; VC iii (MZFC).
- Colobura dirce* (L. 1758), J C M. EGUM xii; EREF x; JUM i,ix (ADW), viii, x; LBA ix,x (MZFC), i (ADW); LYB x; MEC ix (MZFC), i,vi,x,xii (ADW); Mirador del Aguila ix (MZFC); NVO i,xii (ADW); PAL i,x,xii; Pintadeño x (MZFC); SB i (ADW); San Quintín (km 130, Tepic-Puerto Vallarta) ix; SIN iv,v,ix (MZFC), xii (ADW).
- Biblis hyperia aganisa* Boisd. 1836, J C M. Chacala x (MZFC); EGUM i (ADW); Hwy 200, 33 km N Puerto Vallarta iii (LACM); NAY (Hoffmann 1940); JUM ix,xi; LBA vi,ix,x (MZFC), i (ADW); LYB ix; PAL iii,x,xii (MZFC); SIN x; VC iii (MZFC).
- Mestra dorcas anymone* (Mén. 1857), J C M. Acaponeta, 10 mi S xii (LACM); LBA vi; Pintadeño x (MZFC); TEP, 5 10 mi N xii; TEP, E of xii (LACM); VC vi (MZFC).
- Myscelia cyaniris alvaradia* R.G. Maza & Díaz 1982, J C M. COM x (CIB); JUM ix (MZFC); LBA (Jenkins 1984); x (MZFC); LYB (Jenkins 1984), x (MZFC); Lima de Abajo (De la Maza 1987); MEC x (MZFC), i,x,xii (ADW); PAL iii,xii; SIN iv (MZFC); VC x (MZFC).
- Myscelia ethusa ethusa* (Doyère [1840]), J C M. Tenacatita; TEP (Jenkins 1984; USNM).
- Catonephele cortesi* R.G. Maza 1982, J C M. LBA i (MZFC); ix (Jenkins 1985; MZFC), ix,x; LYB viii (MZFC); Lima de Abajo (Jenkins 1985, De la Maza 1987); PAL i (MZFC); SIN ix (Jenkins 1985; MZFC); iv,ix (MZFC); VC iii (MZFC).
- Eunica monima* (Cr. 1782), J C M. COM (Jenkins 1990; AMNH), vii (CUIC), viii (LACM); EGUM i; EREF xii (ADW); Huajicori, 1 mi S vii (SDNHN); Hwy 15, km 21.1 (S of Tepic) vii (RH); Isla Santa Isabela vii (CAS); Jalisco; JUM (Jenkins 1990), vii,ix,xii (MZFC), i,ix,xii (ADW); LBA (Jenkins 1990), i,vi (ADW), ix,x (MZFC); LYB (Jenkins 1990), ix,x (MZFC); LSMO (Jenkins 1990), vii (RH), ix (ADW), x (MZFC); MEC i,vi,x,xii (ADW), vii,ix,x; Mirador del Aguila ix; PAL i,iii,vii,x,xii (MZFC); RLNO ix (ADW); SB (Jenkins 1990), vi (ADW); SB, 7 mi E viii (NSMC); Sierra Madre de Tepic (Godman & Salvin 1879 1901); SIN (Jenkins 1990), ix (MZFC), vi,xii (ADW); TEP (Jenkins 1990); VC i,vi,x,xii (MZFC).
- Eunica caelina agustina* R. de la Maza 1982, J. COM, 8.2 mi SW viii (SDNHN).
- Eunica tatila tatila* (Herr.-Sch. [1855]), J C M. COM (Jenkins 1990; AMNH), xii; COM, vic. vii (CUIC); PAL (Jenkins 1990), x xii (MZFC).
- Hamadryas amphinome mazai* Jenkins 1983, J C M. COM (Jenkins 1983), vii (CUIC); EGUM xii; JUM viii (MZFC), ix (ADW); LBA ix (MZFC), i (ADW); LYB x,xi (MZFC); LSMO ix (ADW); MEC ix (Jenkins 1983; MZFC), ix (MZFC, USNM), x,xii (ADW); Mirador del Aguila ix (MZFC); PAL i,iii,x,xii; Pintadeño x; SIN iv,ix (MZFC), ix (Jenkins 1983; MZFC).
- Hamadryas atlantis letaps* Godm. & Salv. 1883, J C M. NAY (Hoffmann 1940); JUM x; PAL iii (MZFC).
- Hamadryas februa ferentina* (Godart [1824]), J C M. Acaponeta (Jenkins 1983), viii (CAS); Chacala x (MZFC); COM (Jenkins 1983); JUM iii,iv,vii ix,xi (MZFC), ix (ADW); LBA i (ADW), vi,ix; LYB viii x (MZFC); LSMO (Jenkins 1983), ix (ADW); MEC vi,ix (MZFC), i,vi,x,xii (ADW); PAL iii,vii; Pintadeño x (MZFC); SB vi (CAS), ix (MZFC); xi (LACM); SB, 7 mi E viii (NSMC); SB, 16 mi E viii (CAS); San Quintín (km 130, Tepic-Puerto Vallarta) ix; SIN iv,vii,ix (MZFC), xii (ADW); TEP (Jenkins 1983); Tepic-Puerto Vallarta, km 19 vii (CIB).
- Hamadryas guatemalena marmarice* (Fruhstorfer 1916), J C M. Acaponeta (Jenkins 1983), viii (CAS); COM (Jenkins 1983); El Mamey, MEC vi; Jesús María viii; JUM ix,x,xii (MZFC), i,ix (ADW); LBA vi,ix; LYB ix,x (MZFC); LSMO (Jenkins 1983), ix (ADW); MEC (Jenkins 1983), ix (MZFC); x (ADW); Mirador del Aguila ix; Pintadeño x (MZFC); RLNO i,ix,xii (ADW); SB ix; San Quintín (km 130, Tepic-Puerto Vallarta) ix (MZFC); SIN (Jenkins 1983), xii (ADW), ix (MZFC); TEP (Jenkins 1983); Tres Hermanos (on Hwy 15) viii (NSMC); VC iii,iv,x,xii (MZFC).
- Pyrrhogyra neaerea hypsenor* Godm. & Salv. 1884, J C M. COM x (CIB); EREF x,xii (ADW); JUM iv,viii xi (MZFC), i,ix (ADW); LBA vi,ix (MZFC), i (ADW); LYB ix,x (MZFC); MEC vi (ADW); Mirador del Aguila ix (MZFC); PAL i,iii,vii,x (MZFC); SB (Godman & Salvin 1879 1901, Hoffmann 1933); SIN vii,ix (MZFC), xii (ADW).
- Temenis laothoe quilapayunia* R.G. Maza & Turrent 1985, J C M. Cruz de Juanacaxtle ix (De la Maza & Turrent 1985); EGUM x (ADW); El Limón iii; JUM iii,vii,ix,xii (MZFC), i,ix (ADW); LBA ix,x (MZFC), i (ADW); LYB iv,viii xi; MEC vi,ix; Mirador del Aguila ix (MZFC); PAL i,x,xii (MZFC); Playas Novillero xii (AMNH); SB xi (LACM); SIN iv,ix (MZFC), xii (ADW); Tepic-Puga xii (LACM).
- Epiphile adrasta escalantei* Descimon & Mast 1979, J C M. EREF x (ADW); NAY (De la Maza & Turrent 1985); PAL (Jenkins 1986), iii,x,xii (MZFC); SB (Jenkins 1986), (MZFC); VC (Jenkins 1986, De la Maza 1987), iii,xii (MZFC).
- Dynamine artemisia* ssp. LBA vii,ix; PAL xii (MZFC). Apparently an undescribed subspecies.
- Dynamine dyonis* Geyer 1837, J C M. EGUM i (ADW); LBA vi,vii,ix; LBA, 4 km E iv,vi; MEC ix; PAL vii,xi,xii; Pintadeño x (MZFC); SB-TEP, km 5 viii (CIB).
- Dynamine postverta mexicana* d'Almeida 1952, J C M. EGUM i,xii (ADW); Hwy 200, 30.5 km N Puerto Vallarta iii; Hwy 200, 33 km N Puerto Vallarta iii; LBA vi,vii,ix,x (MZFC), i,vi (ADW); MEC ix (MZFC), i,x (ADW); Playas Novillero xii (AMNH); SB xi (LACM); SB, 7 mi E viii (NSMC); San Quintín (km 130, Tepic-Puerto Vallarta) ix; SIN ix (MZFC), vi,xii (ADW).
- Diaethria asteria* (Godm. & Salv. 1894), J C M. COM (De la Maza & Turrent 1985, De la Maza 1987); viii,ix (AMNH), ix,xii (CUIC), ix (CIB, USNM); El Limón, JUM iii (MZFC); LBA (ADW); LYB (De la Maza & Turrent 1985); MEC iii (MZFC); NAY (Kendall & McGuire 1984); PAL iii,xii (MZFC); SB (Godman & Salvin 1879 1901); TEP (USNM), ix (CAS); VC iii (MZFC).
- Adelpha basiloides* (H.W. Bates 1865), J C M. EGUM xii (ADW); JUM iii,ix (MZFC), i,xii (ADW); MEC ix (MZFC), i,xii (ADW); PAL xii (MZFC).
- Adelpha serpa celerio* (H.W. Bates 1864), as *A. celorio diademata* Fruhstorfer [1913] by Warren et al. (1998), J C M. Aticama, 2 km N v (MZFC); COM x (CIB); COM, vic. x (CUIC); EREF x,xii (ADW); JUM ix (MZFC, ADW); LBA vi,ix; LYB vi,ix,x; MEC vi,ix (MZFC), i (ADW); Mirador del Aguila ix (MZFC); PAL x (MZFC); SB x,xi (LACM); SIN ix (MZFC), xii (ADW). See Willmott & Hall (1999) for taxonomic notes.
- Adelpha fessonnia fessonnia* (Hewit. 1847), J C M. Camalote vi (MZFC); Chacala x (MZFC); EGUM xii (ADW); JUM iv,viii,ix (MZFC), ix,xii (ADW); LYB iii,vi,viii (MZFC); LSMO viii (AME);

- MEC iv,ix (MZFC), x (ADW); Playas Novillero vi; Playas Novillero, 4 mi S (AMNH); SB vi (CAS), x,xi (LACM); San Quintín (km 130, Tepic-Puerto Vallarta) ix (MZFC); Sayulita ix (MZFC); Sierra Madre de Tepic (Godman & Salvín 1879 1901); SIN vi,xii (ADW); TEP ix; TEP, 22 mi NNW on Hwy 15 vii,viii; Zapata, 3 mi S viii (AME).
- Adelpha iphicleola iphicleola* (H.W. Bates 1864), as *A. iphiclelus masilius* Fruhstorfer, [1916] by Warren et al. (1998), J C. COM viii (AME); COM, vic. (CUIC); El Mamey, Mecatán vi; El Palillo iii,vi (MZFC); El Torreón, 50 km SSE Tepic ix (CIB); Jalcocotán vii,viii (CIB); JUM iv,vii ix; LBA vii,ix (MZFC); La Colonia, 43 km SE Tepic ix (CIB); LYB ix,x; MEC iv,ix; Mirador del Aguila ix (MZFC), ix (CIB); NAY ix (AMNH); PAL i,x,xii; Sayulita ix (MZFC); Sierra Madre de Tepic (Godman & Salvín 1879 1901); SIN ix (MZFC); TEP ix; TEP, 18 mi N viii (CAS); VC x (MZFC); Zapata viii (AME). See Willmott & Hall (1999) for taxonomic comments.
- Adelpha barnesia leucas* Fruhstorfer [1916], J C M. MEC xii (ADW); Mirador del Aguila ix; SIN ix (MZFC), xii (ADW).
- Adelpha leuceria leuceria* (H. Druce 1874), J C. PAL vii,x,xii (MZFC); RLNO i (ADW).
- Adelpha naxia naxia* (C. Feld. & R. Feld. 1867), as *A. n. epiphicla* Godm. & Sal. 1884 by Warren et al. (1998), J C M. SB-TEP, km 5 vii (CIB); JUM ix (MZFC).
- Adelpha phylaca phylaca* (H.W. Bates 1866), J C M. COM x (CUIC); EGUM xii (ADW); JUM x (MZFC), i,ix (ADW); LBA ix (MZFC), i (ADW); LYB vi,x; PAL x,xii (MZFC); SB ix,xii (MZFC); SIN xii (ADW); Tepetilte vi (MZFC).
- Adelpha paraena massilia* (C. Feld. & R. Feld. 1867), as *A. serpa massilia* by Warren et al. (1998), J C M. COM, vic. xi (CUIC); EGUM xii (ADW); EREF x (ADW); Jalisco (AMNH); JUM i,ix; LBA i,vi (ADW); La Colonia, 54 km SSE Tepic ix (Beutelspacher 1976, as *A. massilia*); LSMO ix; MEC i,vi,x,xii (ADW); Mirador, El Aguila, TEP ix (Beutelspacher 1976, as *A. massilia*); SIN xii (ADW); TEP, 5 mi N xii; Tepic-Puga xii (LACM); Torreón, 50 km SSE TEP ix (Beutelspacher 1976, as *A. massilia*).
- Adelpha paroeca paroeca* (W. H. Bates 1864), as *A. p. emathia* (R. Feld. 1869) by Vargas et al. (1996), J M. COM x (AMNH).
- Marpesia chiron marius* (Cr. 1780), J C M. BUC, 5 mi N ix (UCB); EGUM i,x; EREF x,xii (ADW); JUM viii x (MZFC), i,ix,xii; LBA i,vi (ADW), ix; LYB viii,ix (MZFC); LSMO vii (RH), ix (ADW); MEC ix (MZFC), i,vi,x,xii (ADW); Micro. Santa Bárbara, 3 mi W viii (SDNBM); NAY (AMNH); PAL x (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); San Quintín ix; SIN ix (MZFC), xii (ADW); TEP, 18 mi N viii (CAS); TEP, 20 mi S viii (LACM); VC viii (MZFC).
- Marpesia petreus* ssp., as *M. p. tethys* (Fabr. [1777]) by Warren et al. (1998), J C M. EGUM x,xii; EREF x (ADW); JUM vii,ix (MZFC), ix (ADW); LYB iv,vi,ix (MZFC); LSMO vii (RH), ix (ADW); MEC ix (MZFC), x (ADW); NAY (AMNH); Paso de Mesillas (km 54, Hwy 200) x (ADW); SB vii (UCB), viii (LACM), SDNBM, xii; SIN ix (MZFC). Apparently an undescribed subspecies.
- Archaeoprepona demophon occidentalis* Stoffel & Descimon 1974, J C M. COM, vic. x (CUIC); JUM viii x,xii (MZFC), ix,xii (ADW); LBA ix,x (MZFC); LYB iv,viii (MZFC); LSMO ix (ADW); Lima de Abajo (De la Maza 1987); MEC ix (MZFC), x (ADW); PAL x,xi; SB ix; SIN ix (MZFC), xii (ADW); VC xii (MZFC).
- Archaeoprepona demophoon mexicana* Llorente, Descimon & Johnson 1993, J C M. COM x (CIB); COM, vic. iii (CUIC); JUM ix,xii (MZFC), ix,xii; LBA i (ADW), ix; LYB iii,x,xi (MZFC); LSMO viii (NSMC), ix (ADW); Lima de Abajo (De la Maza 1987); MEC x (MZFC), x (ADW); Mirador del Aguila ix; PAL iii,vii,x,xii; SB ix (MZFC); SIN xii (ADW), iv,vi,ix,xii; VC x (MZFC).
- Prepona deiphile lambertoana* Llorente, Luis & González 1992, M. RLNO ix (MZFC).
- Prepona laertes octavia* Fruhstorfer 1905, J C M. JUM ix,x; LBA ix; LYB iii,x,xi; MEC x (MZFC), x (ADW); PAL x,xii; Pintadeño iv,x; SB ix; SIN iv,ix (MZFC), xii (ADW).
- Zaretis callidryas* (R. Feld. 1869), J C M. COM, vic. x (CUIC); JUM viii-x,xii (MZFC); LSMO ix (ADW); VC iii (MZFC).
- Zaretis ellops* (Ménétrier 1855), as *Z. e. anzuletta* Fruhstorfer 1909 by Warren et al. (1998), J C M. El Palillo vi (MZFC); EREF x (ADW); JUM viii,ix xii (MZFC), ix,xii (ADW); LBA ix,x; LYB x (MZFC); LSMO ix (MZFC), ix (ADW); MEC ix (MZFC), i,x,xii (ADW); PAL x (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); SB-TEP, km 5 viii (CIB); SIN iv,vii,xii (MZFC), xii (ADW); VC iii,xii (MZFC).
- Sideritis galanthis* ssp., as *S. galanthis* (Cr. 1775) by Warren et al. (1998), J C M. EGUM xii (ADW); JUM iii,ix xii; LBA ix,x (MZFC); Lima de Abajo (De la Maza 1987); MEC ix (MZFC), x (ADW); SIN ix (MZFC), xii (ADW). Apparently an undescribed subspecies.
- Anaea troglodyta aidea* (Guérin [1844]), J C M. COM ix (LACM), x (CIB); COM, 5 mi SW x (MZFC); El Venado, 4.3 mi E vii (SDNBM); Jesús María viii (MZFC); JUM iii,vii xii (MZFC), i,ix (ADW); LBA ix,x (MZFC); LYB ix,x (MZFC); LSMO ix (ADW); MEC viii,ix (MZFC), x (ADW); Mirador del Aguila ix (MZFC); PAL vii,xii (MZFC); Pintadeño iv (MZFC); RLNO ix (ADW); SB ix (MZFC); SB-TEP, km 5 viii (CIB); Sierra de Nayarit (AMNH); SIN vii,xii (MZFC); TEP, 24 mi SE viii (CAS); VC iii,iv,vi,x (MZFC).
- Consul electra* ssp., as *C. e. castanea* Llorente & Luis 1992 by Vargas et al. (1996), J M. LYB iii,x,xi (MZFC); Lima de Abajo (De la Maza 1987); PAL i,iii,x-xii; SB xii (MZFC).
- Consul fabius cecrops* (Doubleday [1849]), J C M. EGUM i,xii (ADW); JUM iv,ix,xii (MZFC), ix (ADW); LBA iv,vi,ix,x (MZFC), i (ADW); Lima de Abajo (De la Maza 1987); MEC ix (MZFC), i,x (ADW); PAL iii,x,xii (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); Pintadeño vi (MZFC); SB iii (MZFC); SIN iv,ix (MZFC), xii (ADW); VC vi (MZFC).
- Fountainea euryptyle glanzii* (Rotger, Escalante & Coronado 1965), J C M. COM (AMNH); COM, 5 mi S x; JUM ix; LBA ix,x; LYB ix xi (MZFC); MEC x,xii (ADW); PAL iii,x,xi; Pintadeño iv (MZFC); SIN ix; VC iv,x (MZFC).
- Fountainea glycerium glycerium* (Doubleday [1849]), J C M. COM (AMNH); COM, 5 mi S x; COM, 5 mi SW x; LBA x; LYB x,xi (MZFC).
- Fountainea nobilis rayoensis* (J. Maza & Díaz 1978). LBA x; LYB iv,ix,x; SIN iv; VC iv (MZFC).
- Memphis pithyusa pithyusa* (R. Feld. 1869), J C M. COM, 5 mi S x; JUM x,xi; PAL iii,vii,viii; VC iii (MZFC).
- Asteropeampa idyja argus* (Bates 1864), J M. Bahía de Banderas xi; COM ix (AMNH); COM, 5 mi S x; COM, 5 mi SW x (MZFC); JUM viii; LYB x (MZFC); Mirador del Aguila ix (MZFC); NAY (Friedlander 1986, 1987); VC x (MZFC).
- Doxocopa laure laure* (Drury 1773), as *D. l. acca* (C. Feld. & R. Feld. 1867) by Warren et al. (1998), J C M. Bahía de Banderas xi (AMNH); BUC iii,xii (ADW); El Aguila, Tepic ix (CIB); EGUM i (ADW); El Palillo iii (MZFC); Hwy 200, 27.5 km N Puerto Vallarta iii; Hwy 200, 30.5 km N Puerto Vallarta iii (LACM); JUM ix,xi (MZFC), ix,xii; Las Piedras x (ADW); Lima de Abajo (De la Maza 1987); MEC ix (MZFC); Micro. Santa Bárbara, 3 mi W viii (SDNBM); NVO i,iii,xii (ADW); Playas Novillero, Tecuala xi (AMNH); SB vii (ADW), xi (LACM); Sayulita ix; SIN ix (MZFC), xii (ADW).
- Doxocopa pavon theodora* (Lucas 1857), J C. COM, 5 mi S x (MZFC).
- Morpho achilles guerrerensis* Le Moult & Réal 1962, M. TEP vi (CAS). It is possible that this specimen is mis-labeled; the absence of other records from the state is curious.
- Morpho polyphemus polyphemus* Westw. 1851, as *Pessonia p. polyphemus* by Warren et al. (1998), J C M. Arroyo del Refilón ix (CIB); Chacala x (MZFC); COM vi (AMNH); EGUM xii (ADW); El Palillo vi (MZFC); EREF x (ADW); JUM ix xi (MZFC), i,ix; LBA i,vi (ADW), ix; LBA, 4 km E vi; LYB v,vi,ix xi; LSMO ix (MZFC), ix (ADW); MEC ix (MZFC), i,x (ADW); Mirador, El Aguila, Tepic ix (CIB, MZFC); Navarelte x (LACM); NVO xii (ADW); PAL x (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); Pintadeño x (MZFC); RLNO ix (ADW); SB (De la Maza

- 1987), i,vi,vii (ADW), vi,ix (CAS), vi,x (LACM), ix,xii (MZFC), vi (UCB); SB, 7 mi E vii (SDNBM); Sierra Madre de Tepic (Godman & Salvini 1879 1901); SIN (De la Maza 1987), vi,xii (ADW), vii,ix (MZFC); TEP, 25 mi NW x (AMNH); VC viii,x xii (MZFC).
- Opsiphanes boisduvalii* Doubleday [1849], as *O. boisduvalii* by Warren et al. (1998), J C M. EREF x (ADW); JUM iii,vii-xii (MZFC); ix,xii (ADW), ix,x,xi; LBA ix,x (MZFC); LYB (De la Maza 1987), viii,x,xi (MZFC); LSMO ix (ADW); MEC ix,x; Mirador del Aguila ix; PAL x; Pintadeño x; SIN ix (MZFC); TEP, 22 mi NNW on Hwy 15 viii (AME); VC viii,x (MZFC).
- Opsiphanes tamarindi tamarindi* C. Feld. & R. Feld. 1861, J C M. SB (De la Maza 1987); VC iv (MZFC).
- Opsiphanes cassina fabricii* (Boisd. 1870), as *O. invirae fabricii* by Warren et al. (1998), J C M. JUM iv,vii,viii,xi (MZFC), xii (ADW); LBA ix (MZFC); NVO i,iii,xii (ADW); San Quintín (km 130, Tepic-Puerto Vallarta) ix; SB ix (MZFC), x (LACM); SIN iv,ix,x (MZFC), xii (ADW).
- Caligo uranus* (Herr.-Sch. 1850). Jesús María vi (CAS). It is possible that this specimen is mis-labeled; the absence of other records from the region is curious.
- Danaus eresimus montezuma* Talbot 1943, J C M. Arroyo del Refilón ix (CIB); BUC iii,xii; EGUM xii; EREF x,xii (ADW); Isla María Madre xi; Isla María Magdalena xi (CIB); JUM ix,x (MZFC), i,ix,xii; LBA i; MEC x; NVO i,xi (ADW); Palillo Nuevo ix (CIB); SB (De la Maza 1987), i (ADW), iii,ix (MZFC), vi (CAS); Sierra Madre de Tepic (Godman & Salvini 1879 1901); SIN iii,ix (MZFC), xii (ADW).
- Danaus gilippus thersippus* (H.W. Bates 1863), J C M. Acaponeta viii (CAS); Arroyo del Refilón ix (CIB); Aticama xii; BUC i,xii; EGUM xii (ADW); El Torreón, 50 km SSE Tepic ix (CIB); JUM i,ix,xii (ADW), ix; LBA ix (MZFC), i (ADW); LBA, 4 km E vi; LYB x; MEC vi,ix (MZFC), i (ADW); NAY (AMNH); NVO i,iii,xii (ADW); PAL iii,x; Pintadeño x (MZFC); RLNO xii (ADW); SB i (ADW), viii,ix,xii; SIN ix (MZFC), xii (ADW); TEP iv; VC vi (MZFC).
- Danaus plexippus plexippus* (L. 1758), J C M. BUC xii (ADW); LYB vii,ix (MZFC); MEC i (ADW); NAY (AMNH); SB vi (ADW); Sierra Madre de Tepic (Godman & Salvini 1879 1901); TEP iv (MZFC).
- Lycorea halia atergatis* Doubleday [1847], J C M. COM iii,viii (AMNH); EGUM x,xii; JUM ix (MZFC), ix (ADW); LBA i,vi,x; LYB x; MEC x (MZFC), vi (ADW); Mirador del Aguila ix; PAL x,xi (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); SIN ix; VC vi (MZFC).
- Melinaea ethra flavicans* C.C. Hoffmann 1924, J C M. COM iv (CUIC); Lima de Abajo (De la Maza 1987); PAL xii (MZFC).
- Dircenna klugii klugii* (Geyer 1837), C M. COM v (CUIC).
- Episoda salvinia portilla* J. Maza & Lamas 1978, J M. LYB x (MZFC); RLNO ix (ADW); VC (De la Maza 1987), iv,vi (MZFC).
- Pteronymia cotoyto cotoyto* (Guérin [1844]), J C. Río Cañas, (km 145, Hwy 15) vii (RH).
- Pteronymia rufocincta* (Salvin 1869), J C. Aticama, 2 km N v (MZFC); La Libertad, 3 km W iv; LYB v,ix xi; PAL xii (MZFC); RLNO ix (ADW); Tepetilte v (De la Maza 1987); Tepic-Puerto Vallarta, km 19 vii,viii (CIB); VC (De la Maza 1987), iii,iv,vi,x xii (MZFC).
- Greta annette moschion* (Godm. 1901), J C M. RLNO ix (ADW, MZFC); VC vii (MZFC).
- Greta morgane morgane* (Geyer 1837), J C M. Cañada de Sangangüey vii (MZFC); COM viii,ix (CMNH), xii (CUIC); EGUM xii (ADW); Jalcocotán Miramar xii (LACM); LBA i (ADW), vi (MZFC); La Libertad (De la Maza 1987), iv; La Libertad, 3 km W iv; LYB iv,vi,viii xi (MZFC); MEC i,xii (ADW); PAL i,viii,x xii (MZFC); RLNO ix (ADW); VC iii,iv,vi,vii,xi (MZFC).
- Libytheana carinenta mexicana* Michener 1943, J C M. COM x (CIB); Jesús María viii; JUM vii ix (MZFC), ix (ADW); LSMO vii (RH), ix (ADW); MEC viii (MZFC); SB-TEP, km 5 viii (CIB); SIN vii (MZFC).
- Pierella luna rubecula* Salv. & Godm. 1868. COM, 5 mi S x (MZFC).
- It is possible that this specimen is mis-labeled; the absence of other records from the region is curious.
- Manataria hercyna maculata* (Hopffer 1874), as *M. maculata* by Warren et al. (1998), J C M. COM xii (AME); JUM xii; LYB iii,x,xi (MZFC); LSMO viii (NSMC); Mirador del Aguila ix; PAL xii (MZFC); RLNO ix (ADW), ix; VC iii,iv,x,xii (MZFC).
- Cyllopsis diazi* L. Miller, 1974, C. LYB xi (MZFC).
- Cyllopsis hilaria* (Godm. 1901), M. VC iv (MZFC).
- Cyllopsis caballeroi* Beutelspacher 1982, J C. NAY (Miller & De la Maza 1984); LBA ix; LYB vi,x,xi; PAL xii (MZFC).
- Cyllopsis hedemanni hedemanni* R. Feld. 1869, J C M. SIN iv; VC iii,iv,xii (MZFC).
- Cyllopsis nayarit* R. Chermock 1947, J M. COM x (CUIC), x (Miller 1974); LYB x (MZFC); RLNO ix (ADW); VC iii (MZFC).
- Cyllopsis pephredo* (Godm. 1901), M. VC x (MZFC).
- Cyllopsis perplexa* L. Miller 1974, M. JUM ix; PAL iii; VC iii,iv (MZFC). Records of this species, *hilaria*, and *pephredo* herein may possibly all refer to one species.
- Cyllopsis pyracmon pyracmon* (Butl. 1867), M. LBA ix; LYB x (MZFC); RLNO ix (ADW); VC iii,iv (MZFC); Zapata, 3 mi S viii (Miller 1974: AME).
- Cyllopsis steinhausenorum* L. Miller 1974. LYB xi (MZFC). This record may refer to *C. diazi*.
- Cyllopsis suivalenoides* L. Miller 1974, J C M. RLNO ix,xii (ADW), ix (MZFC).
- Cyllopsis windi* L. Miller 1974, C M. PAL iii; VC iii,iv (MZFC). This species may be a dry season form of *C. nayarit*.
- Eupterichia fetna* Butl. 1870, J C M. COM x (CUIC); Jazmines, 2.8 mi N on Hwy 15 vii (NSMC); PAL x (MZFC); TEP, S of ix (AME); VC viii (MZFC).
- Hermeuptychia hermes* (Fabr. 1775), J C M. Ahuacatlán xi (MZFC); Bahía de Banderas (AMNH); BUC i,iii,xii (ADW); COM (AME), ix,x (CIB); EREF x (ADW); Jalcocotán Miramar xii (LACM); JUM iii,vii xii; LBA vii,ix,x; LBA, 4 km E vi (MZFC); LYB iii,ix xii (MZFC); LSMO (AME), viii (RH, NSMC), ix; Las Piedras x (ADW); MEC v,ix (MZFC); NVO i,xii (ADW); PAL x (MZFC); Playas Novillero (AMNH); SB ix (MZFC); SIN ix (MZFC); TEP (AME), vi,ix (ADW); Tepic (Aeropuerto) ix (CIB); TEP, E of ix (LACM); VC x (MZFC).
- Megisto rubricata pseudocleophas* Miller 1976, J C M. Sierra Madre de Tepic (Godman & Salvini 1879 1901); VC iv (MZFC).
- Pareupterichia ostrorrhoe* (Fabr. 1776), M. PAL ii,xii (MZFC).
- Pindis squamistriga* R. Feld. 1869, J C M. COM ix (CUIC); LYB x,xi; Pintadeño x (MZFC); RLNO ix (ADW); TEP xii (LACM); VC i,iii,iv,x,xii (MZFC).
- Taygetis kerea kerea* Butl. 1869, M. Zapata, 3 mi SE viii (AME).
- Taygetis mermeria griseomarginata* L. Miller 1978, J C M. COM iii (CUIC), x (Miller 1978, AME, CUIC); JUM iv,x; LYB x,xi (MZFC); MEC i (ADW); PAL iii,xii; VC iii,iv (MZFC).
- Taygetis uncinata* Weymer 1907, J C M. Acaponeta, 10 km S xii (LACM); Aticama, 1 km N vi (MZFC); EGUM x,xii (ADW); JUM i (ADW), iv,vii,ix xii (MZFC); LBA i (ADW), ix,x (MZFC); MEC x; Paso de Mesillas (km 54, Hwy 200) x (ADW); San Quintín (km 130, Tepic-Puerto Vallarta) ix (MZFC); SIN x (MZFC), xii (ADW); VC iii (MZFC).
- Taygetis virgilia* (Cr. 1776), C. Jalcocotán Miramar xii (LACM); JUM vii,x,xi; LYB vi,ix (MZFC); MEC x (ADW); PAL vii,xii; SB xii; SIN x,xi (MZFC), xii (ADW); TEP, E of xii (LACM); VC iii,xii (MZFC).
- Taygetis weymeri* Draudt 1912, J C M. COM x,xi (CUIC); COM, 5 mi S viii; COM, 5 mi SW viii,xi (MZFC); Jalcocotán Miramar xii (LACM); LBA ix; LBA, 4 km E vi; LYB ix (MZFC); PAL i (MZFC); RLNO xii (ADW); TEP, S of v (AME); VC i,iii,x (MZFC).
- Cissia pomilia* (C. Feld. & R. Feld. 1867). JUM viii (MZFC).
- Cissia themis* (Butl. 1867), as *Vareupterichia themis* by Warren et al. (1998), J C M. COM iv (CUIC); COM, 3 mi N viii (AME); EGUM x,xii (ADW); El Palillo iii (MZFC); Jalcocotán vii (CIB); JUM i,ix (ADW), iii,iv,vii,ix xii (MZFC); LBA i (ADW), iii,vi,vii,ix,x; LBA, 4 km E vi; LYB iii,iv,vi,ix xii (MZFC); LSMO

- viii (AME), ix (ADW, MZFC); MEC xii (ADW); Mirador del Agua ix (MZFC); Ocate, Tepic xii (CIB); PAL i,iii,xii (MZFC); Paso de Mesillas (km 54, Hwy 200) x (ADW); Pintadeño v,x; SIN v,ix,xii (MZFC), xii (ADW, MZFC); Tepetitlán vi (MZFC); TEP, 22 mi NW on Hwy 15 viii (AME); VC i,iii,iv,ix,x,xii (MZFC); Zapata viii (AME).
- Cissia undina* (Butl. 1867), as *Vareuptychia similis* (Butl. 1867) by Warren et al. (1998), J C M. COM viii (AME); COM, 5 mi SW viii (MZFC); EGUM x (ADW); Jesús María viii; JUM viii,ix (MZFC), ix; LBA vi (ADW), ix; LYB ix,x; LSMO ix; MEC ix (MZFC), x (ADW); San Quintín (km 130, Tepic-Puerto Vallarta) ix; SB ix (MZFC), vi (ADW); Sierra Madre de Tepic (Godman & Salvini 1879 1901); SIN vi (ADW), ix (MZFC); TEP viii (AME); TEP, 5 10 mi N xii (LACM); Tomatlán ix; VC viii (MZFC); Zapata viii (AME).
- LYCAENIDAE (114 SPECIES)**
- Euselasia eubule* ssp., as *E. eubule* (R. Feld. 1869) by Vargas et al. (1998), J C M. JUM iii (MZFC); LBA i (ADW); LYB viii; PAL i,xii (MZFC).
- Euselasia aurantiaca* ssp., as *E. aurantiaca* (Sal. & Godm. 1868) by Warren et al. (1998), J C M. RLNO i; VC iv,x,i,xii (MZFC).
- Mesosemia tetrica* Stichel 1910, as *M. lamachus* (Hewit. 1857) by Warren et al. (1998), J C M. EGUM xii (ADW); Jaliscoán Miramar xii (LACM); LBA ix (MZFC), i (ADW); LYB ix,xi; PAL i,iii,x,xii (MZFC). Records of *M. lamachus* (Hewit. 1857) from western Mexico refer to this species.
- Eurybia elvina elvina* Stichel 1910, J. COM ix (AMNH); EGUM xii; LBA i (ADW); LYB ix (MZFC); MEC i (ADW); TEP, 5 10 mi N xii (LACM).
- Napaea umbra* ssp., as *N. u. umbra* (Boisd. 1870) by Warren et al. (1998), J C M. COM viii (AMNH); COM, 8.2 mi SW viii (SDNHN); EGUM xii; JUM i; MEC i (ADW); PAL iii (MZFC); Sayulita Punta de Mita ii (LACM); SIN xii (ADW).
- Rhetus arcuatus beutelspacheri* Llorente 1988, J C M. COM v (CUIC), viii x (Llorente 1988: AMNH), EREF x; LBA i (ADW); LYB ix (Llorente 1988: MZFC); MEC x (ADW); PAL iii,xii (Llorente 1988: MZFC); Zapata, 3 mi SE viii (Llorente 1988: AME).
- Calephelis argyrodines* (Bates 1866), C. Islas Tres Marias (Godman & Salvini 1879 1901). This record may refer to another species.
- Calephelis nemesis nemesis* (W.H. Edw. 1871), J C M. Hwy 15, km 211 (S of Tepic) vii (RH).
- Calephelis perditalis perditalis* Barnes & Mc Dunnough 1918, J C M. BUC xii; EREF x; JUM ix,xii; LSMO ix; MEC x,xii; NVO i,xii; RLNO ix; SIN xii (ADW). Some of these records may refer to *C. nemesis* or *C. matheri* McAlpine 1971.
- Calephelis mexicana* McAlpine 1971, C J. BUC xii; EREF x,xii; JUM i,ix,xii; LBA i; MEC i,x,xii; Paso de Mesillas (km 54, Hwy 200) x; SB i; SIN xii (ADW); TEP (McAlpine 1971). These records may also represent *Calephelis fulmen* Stichel 1910.
- Calephelis sinaloensis sinaloensis* McAlpine 1971, M. EREF xii; RLNO i,xii (ADW). These records may also represent *Calephelis dreisbachi* McAlpine 1971.
- Calephelis montezuma* McAlpine 1971, J C. EGUM i,xii; JUM i,ix,xii; LBA i; MEC i,x (ADW); SB (McAlpine 1971); SIN xii (ADW).
- Calephelis acapulcoensis* McAlpine 1971, J M. COM iv (AMNH). As in Vargas et al. (1996) and Warren et al. (1998), all *Calephelis* determinations presented herein should be considered tentative (except those from McAlpine 1971), since genitalic dissections have not been made to confirm determinations of ADW specimens. No attempt has been made to include records from MZFC *Calephelis* specimens.
- Caria ino ino* Godm. & Salv. 1866, J C M. NVO xii (ADW).
- Baeotis zonata zonata* R. Feld. 1869, as *B. z. simbla* (Boisd. 1870) by Warren et al. (1998), J C M. JUM iv (MZFC); LBA i (ADW); MEC vi (ADW, MZFC); SB vi (ADW); TEP, 24 mi SE viii (CAS).
- Lasaia sula sula* Staudinger 1888, J C M. Bahía de Banderas xi (AMNH); COM viii (Clench 1972: AMNH); JUM viii x (MZFC); LSMO ix (ADW).
- Lasaia agesilas callaina* Clench 1972, J C M. Arroyo del Refilón ix (CIB); COM (Clench 1972), viii,ix (AMNH); JUM ix (ADW); LYB ix; PAL xii (MZFC); TEP, 27 mi N Jct Hwy 195 vi (LACM).
- Lasaia maria maria* Clench 1972, J C M. COM viii (AMNH); COM, vic. viii (CUIC); Jesús María viii (MZFC); LBA i; LSMO ix; MEC i (ADW); Zapata viii (AME).
- Melanis picea picea* (Boisd. 1836), as *M. p. sexpunctata* Seitz 1917 by Warren et al. (1998), J C M. COM viii (AMNH); LBA vi (ADW); LBA, 4 km E vi (MZFC); MEC i (ADW); SB vi (CAS); San Quintín ix (MZFC).
- Melanis cephise cephise* (Ménétrier 1855), J C M. Aticama, 2 km N v; Fracc. Palmar, Los Cocos (SE of San Blas) iii (MZFC); Jalisco viii; Playas Novillero xi,ix (AMNH); SB i,vi (ADW).
- Anteros carausius* Westw. [1851], J C M. COM viii (AME, AMNH); EREF x (ADW); Huajicori, 1 mi S vii (SDNHN); JUM xi (MZFC); LBA i (ADW); LYB x; PAL xii (MZFC); SB vi (CAS); SIN vi (ADW), vii (MZFC); Tepic-Puga xii (LACM); Zapata viii (AME).
- Calydna sinuata* R. Feld. 1869, M. Isla María Magdalena xii (AMNH). This may actually refer to the next species.
- Calydna hiria hegias* R. Feld. 1869, as *C. sternula hegias* by Warren et al. (1998), J C M. Isla María Madre xii; Isla María Magdalena ix (CIB).
- Emesis mandana furor* Butl. & Druc 1872, J C M. COM viii (AME); JUM i,ix,xii; LBA i (ADW); LYB x (MZFC); LSMO ix (ADW); TEP, 2.5 mi NE viii (AME); VC vi (MZFC).
- Emesis vulpinga* Godm. & Salv. 1886, J C M. EGUM x; Las Piedras x (ADW); Playas Novillero, Tecuala xi (AMNH); SB (Godman & Salvini 1879 1901), vi (ADW).
- Emesis tenedia* C. Feld. & R. Feld. 1861, J C M. COM (AMNH), v (CUIC); EREF xii; JUM i; LBA i (ADW), ix; LYB vi,ix,xi (MZFC); LSMO viii (AME), ix (ADW); PAL iii,x,xii (MZFC); SIN xii (ADW), ix; VC iii,iv,vi,xi (MZFC).
- Emesis zela zela* Butl. 1870, J C M. RLNO ix (ADW).
- Emesis emesia emesia* (Hewit. 1867), J C M. EGUM xii (ADW); El Mamey, MEC vi (MZFC); JUM ix (ADW), iv,vii,viii; LYB ix; MEC ix (MZFC), i,x (ADW); PAL vii (MZFC); SIN xii (ADW); TEP viii (AME).
- Apodemia hypoglauca hypoglauca* (Godm. & Salv. 1878), J C M. LSMO ix (ADW).
- Apodemia walkeri* Godm. & Salv. 1886, J C M. Ixtlán del Río viii (CAS); LSMO viii (AME); Playas Novillero, Tecuala vi (AMNH).
- Synargis calyce mycone* (Hewit. 1865), J C M. JUM i,xii (ADW).
- Hypophylla zeurippa* (Boisd. 1836), as *Calospila zeurippa* by Warren et al. (1998), J C M. SB vii (CIB).
- Adelotypa eudocia* (Godm. & Salv. 1897), C M. EGUM x (ADW).
- Theope eupolis* Schaus 1890, J C M. Bahía de Banderas xi (AMNH); NVO i,xii (ADW); SB iii (MZFC), x (LACM), vi; SIN xii (ADW), ix (MZFC). *Theope diores* Godm. & Salv. 1897 was recently shown by Hall (1999) to be a synonym of *eupolis*.
- Theope publius incompositus* Hall 1999, as *T. publius* C. Feld. & R. Feld, 1861 by Warren et al. (1998), J C M. NVO i,xii (ADW); SIN vi,ix (MZFC).
- Theope bacenis* Schaus 1890, as *T. mania* Godm. & Sal. 1897 by Warren (1998), C. COM i,xi (CUIC), x (AMNH); EGUM x,xii; EREF x (ADW); LYB x; PAL vii (MZFC); SB (Godman & Salvini 1879 1901, BMNH).
- Eumaeus toxea* (Godart [1824]), J C M. Camino Palapita xi (MZFC); COM v (CUIC).
- Euenus regalis* (Cr. 1775), J C M. SIN xii (ADW).
- Laothus erybathis* (Hewit. 1867), as "Thecla" *erybathis* by Vargas et al. (1996), J M. RLNO i (ADW).
- Bussa busa* (Godm. & Salv. 1887), as "Thecla" *busa* by Vargas et al. (1996), J M. LYB ix,x (MZFC).
- Allosmaitia strophius* (Godart 1824), J C M. SB vi; MEC vi (ADW).
- Pseudolycaena damo* (H. Druce 1875), J C M. EREF viii (MZFC), x (ADW); NAY (AMNH); JUM i (ADW), viii,ix,xi (MZFC); LBA i (ADW); vi,ix,x; LYB ix,xi (MZFC); MEC x,xii (ADW); PAL x,xii (MZFC); SB i,vii (ADW); SIN vi,ix (MZFC).
- Atlides gaumeri* (Godm. 1901), J C M. LSMO viii (AME).
- Paiwarria umbratus* (Geyer 1837), J C M. JUM ix,xi; LYB ix (MZFC);

- Sierra Madre de Tepic (Godman & Salvin 1879 1901).
- Thecla ligurina* (Hewit. 1874), J C. RLNO xii (ADW).
- Arauacus sito* (Boisd. 1836), J C M. EGUM xii (ADW); NAY (AMNH); LBA i,vi (ADW), vi,vii,ix; LBA, 4 km E vi; LYB ix,x (MZFC); MEC xii (ADW); PAL iii,vii,xi,xii; SB ix; SIN iv,ix (MZFC), xii (ADW).
- Arauacus jada* (Hewit. 1867), J C M. COM (CUIC); Hwy 15, km 211 (S of Tepic) vii (RH); NAY (AMNH); JUM ix (ADW), vi,ix,xi; LYB ix,x; Mirador del Aguila iii (MZFC); NVO xii (ADW); PAL iii,xii (MZFC); Sierra Madre de Tepic (Godman & Salvin 1879 1901).
- Rekoia meton* (Cr. 1779), J C M. EREF xii (ADW); LBA i (ADW), ix (MZFC); NAY (AMNH); SIN xii (ADW).
- Rekoia palegon* (Cr. 1780), J C M. JUM xii (ADW), iii (MZFC); LBA i (ADW); LYB x (MZFC); MEC I (ADW); NAY (AMNH); NVO i; RLNO ix,xii (ADW); Tepic-Puga xii (LACM); SB vi; SIN xii (ADW).
- Rekoia zebina* (Hewit. 1869), J C M. COM v (Robbins 1991); SIN ix (MZFC).
- Rekoia marius* (Lucas 1857), J C M. JUM iv,xi (MZFC), ix (ADW); LSMO, 2.8 mi S on Hwy 15 viii; LYB ix; MEC ix (MZFC), x; NVO i (ADW).
- Rekoia stagira* (Hewit. 1867), J C M. LBA i; SB i (ADW).
- Ocaria verisia* (Hewit. 1868), J C M. NAY (AMNH); VC vi (MZFC).
- Chlorostrymon simaethis* (Drury 1773), J C M. EREF xii (ADW); Islas Tres Marías (Godman & Salvin 1879 1901); JUM i; LBA i; SIN xii (ADW).
- Chlorostromon telea* (Hewit. 1868), J C M. LSMO ix (ADW).
- Cyanophrys amyntor* (Cr. 1775), J M. LBA i (ADW).
- Cyanophrys fusius* (Godm. & Salv. 1887). Las Varas i (JPB).
- Cyanophrys herodotus* (Fabr. 1793), J C M. EREF x (ADW); LBA i (ADW); Matanchén ix (MZFC); NAY (AMNH); NVO i (ADW); SB ix (MZFC), i; SIN xii (ADW).
- Cyanophrys miserabilis* (Clench 1946), J C M. LYB ix (MZFC).
- Cyanophrys longula* (Hewit. 1868), J C M. RLNO i,xii (ADW); VC i (MZFC).
- Panthiades bitias* (Cr. 1777), J C M. COM (Nicolay 1976); NAY (Nicolay 1976: AME, AMNH).
- Panthiades ochus* (Godm. & Salv. 1887), C M. RLNO ix (ADW).
- Panthiades bathildis* (C. Feld. & R. Feld. 1865), J C M. Aticama xii (ADW); Aticama, 1 km N vi; El Limón iii (MZFC); JUM i (ADW); iv (MZFC); LBA i,vi (ADW); LBA, 4 km E vi; LYB viii,ix,xi (MZFC); LSMO; Madero (Nicolay 1976: AME); MEC ix (MZFC); i,xii (ADW); PAL xii (MZFC); SB i,vi (ADW); Sayulita vi (LACM); SIN xii (ADW); VC iii,vi (MZFC); Zapata (Nicolay 1976: AME).
- Parrhasius orgia* (Hewit. 1867), J M. Jalcoctán vii (CIB).
- Parrhasius polibetes* (Stoll 1781), J C M. JUM iii; PAL xii (MZFC).
- Parrhasius moctezuma* Clench 1971, J C M. NAY (Nicolay 1979: AMNH); RLNO i,ix,xii (ADW).
- Strymon albata* (C. Feld. & R. Feld. 1865), J C M. JUM i,xii (ADW); ii; Mirador del Aguila iii (MZFC); NAY (AMNH); SIN i,xii (ADW).
- Strymon alea* (Godm. & Salv. 1887), J M. Islas Tres Marías (Godman & Salvin 1879 1901, Clench 1966).
- Strymon bebrycia* (C. Feld. & R. Feld. 1865), J C M. NVO xii (ADW).
- Strymon bazochii* (Godart [1824]), J C M. VC vii (MZFC).
- Strymon yojoa* (Reak. [1867]), J C M. BUC i; LBA i (ADW); LSMO vii (RH); MEC i; NVO i,xii (ADW) PAL xi (MZFC); RLNO i,ix,xii (ADW); VC i,vi (MZFC).
- Strymon cestri* (Reak. [1867]), J C M. RLNO ix (ADW).
- Strymon istapa* (Reak. [1867]), J C M. BUC i,xii (ADW); El Palillo iii (MZFC); EREF xii (ADW); Isla María Madre xii (CIB); JUM xi (MZFC); LBA i (ADW); LYB iii (MZFC); MEC i (ADW); vi (MZFC); NVO i,xii; RLNO xii; SIN xii (ADW); TEP, E of xii (LACM).
- Strymon ziba* (Hewit. 1868), J C M. NAY viii (USNM); Jalcoctán viii (CIB); PAL xii (MZFC).
- Strymon megarus* (Godart [1824]), J M. JUM i; LBA i; NVO xii (ADW); PAL vii (MZFC); SIN xii (ADW).
- Strymon serapio* (Godm. & Salv. 1887), J C M. JUM iii (MZFC).
- Ziegleria syllis* (Schaus 1902), M. LBA i,vi; SIN xii (ADW).
- Ziegleria ceromia* (Hewit. 1877), as *Kisutam ceromia* by Warren et al. (1998), J C M. LBA i (ADW); Las Varas, 8 mi S i (JPB).
- Ziegleria guzanta* (Schaus 1902), as "Thecla" guzanta by Vargas et al. (1996), J M. RLNO i (ADW).
- Ziegleria hesperitis* (Butl. & H. Druce 1872), as "Thecla" hesperitis by Vargas et al. (1996), J. PAL xii (MZFC).
- Electrostrymon joya* (Dognin 1895), as *E. canus* (Druce 1907) by Warren et al. (1998), J C M. Isla María Magdalena xi (CIB).
- "*Thecla*" arza (Hewit. 1874). PAL i,xii (MZFC).
- Symbiopsis* sp., as *Symbiopsis aff. tanais* (Godm. & Sal. 1887) by Warren et al. (1998), C M. Pintadeño vi,x; SIN ix, (MZFC). Apparently an undescribed species.
- Calycopis demonassa* (Hewit. 1868), J C M. LBA i (ADW); LBA, 4 km E vi (MZFC); NAY (AMNH).
- Calycopis clarina* (Hewit. 1874), J C M. LBA i; RLNO ix (ADW).
- Calycopis isobeon* (Butl. & H. Druce 1872), J C M. COM x (Field 1967); EGUM xii (ADW); JUM i (ADW), xi; LBA iv,ix (MZFC), i,vi (ADW); LBA, 4 km E vi (MZFC); LYB x (MZFC); MEC x (ADW); NAY (AMNH); NVO xii (ADW); PAL iii,vii,x,xi (MZFC); Sierra Madre de Tepic (Godman & Salvin 1879 1901); SIN xii (ADW); vi,ix (MZFC); VC ix,xi (MZFC).
- Tmolus echion* (L. 1767), J C M. JUM xi; LBA ix (MZFC), i; MEC xii; NVO xii (ADW); PAL vii,xii (MZFC); Sierra Madre de Tepic (Godman & Salvin 1879 1901); VC xii (MZFC).
- Tmolus crolinus* (Butl. & H. Druce 1872), C. LSMO, 2.8 mi S on Hwy 15 viii (MZFC).
- Nicolaea velina* (Hewit. 1868), as "Thecla" phobe (Godm. & Sal. 1887) by Vargas et al. (1996), J M. MEC x (ADW); Paso de Mesillas (km 54, Hwy 200), 2 mi NE i (JPB).
- Ostrinotes keila* (Hewit. 1869), as "Thecla" keila by Warren et al. (1998), J C M. EREF ix (ADW); JUM x; LBA ix (MZFC).
- "*Thecla*" gargaphia (Hewit. 1877), M. TEP, 5 12 mi N i (JPB).
- "*Thecla*" thoria (Hewit. 1869), M. SIN xii (ADW).
- Theclopsis mycon* (Godm. & Salv. 1887), J C M. EREF xii (ADW); JUM viii; LBA vi,ix (MZFC), i,vi (ADW); LBA, 4 km E vi; LYB vi,xi; PAL iii,vii,xi (MZFC); SIN xii (ADW); VC iv (MZFC).
- Strephonota tephraeus* (Geyer 1837), as *Siderus tephraeus* by Warren et al. (1998), J C M. JUM iv,xi; LBA x (MZFC); SIN xii (ADW).
- Ministrymon clytie* (W.H. Edwards 1877), J C M. JUM vii,viii (MZFC), ix,xii; LSMO ix (ADW); MEC vi (MZFC); NVO xii; SB i,vi; SIN xii (ADW).
- Ministrymon phruttus* (Geyer 1832), J C M. LSMO ix (ADW).
- Ministrymon azia* (Hewit. 1873), J C M. BUC xii; JUM i (ADW), vii (MZFC); LBA i; RLNO i; SIN xii (ADW).
- Ministrymon arola* (Hewit. 1868), M. JUM xii (MZFC).
- Ministrymon una* (Hewit. 1873), M. Aticama, 1 km N vi; Aticama, 2 km N vi; JUM xi, (MZFC); SB vi (ADW); VC vi (MZFC).
- Nesiostrymon calchinia* (Hewit. 1868). Aticama, 1 km N vi (MZFC); LBA vi (ADW); VC vi (MZFC).
- Ipidecla miadora* Dyar 1916, J C M. LSMO ix (ADW).
- Brangas neora* (Hewit. 1867), J C M. LSMO viii (AME).
- Erora subflorens* (Schaus 1913), M. LSMO ix (ADW, MZFC).
- Erora nitetis* (Godm. & Salv. 1887), J M. RLNO xii (ADW).
- Erora opisena* (H.H. Druce 1912), M. LBA ix (MZFC); RLNO i (ADW).
- Dicya carnica* (Hewit. 1873), as *Caerofethra carnica* by Warren et al. (1998), C M. BUC i (ADW).
- Brephidium exilis exilis* (Boisd. 1852), C J M. SB vii (ADW); SIN ix (MZFC).
- Leptotes marina* (Reak. 1868), C J M. COM v (CUIC); JUM xi (MZFC), i (ADW); LYB iv (MZFC); NAY (AMNH); PAL iii (MZFC); RLNO ix,xii (ADW); Sierra Madre de Tepic (Godm. & Salv. 1879 1901).
- Leptotes cassius cassidula* (Boisd. 1870), as *L. c. striata* (W. H. Edw. 1877) by Warren et al. (1998), J C M. BUC i,xii; EGUM i,xii (ADW); El Palillo iii (MZFC); EREF x,xii (ADW); Hwy 200, 4 rd km S San Ignacio ii (LACM); Isla María Madre xii (CIB); Islas Tres Marías (Godman & Salvin 1879 1901); Jalcoctán ix; JUM

- iii,iv,vii,ix,x (MZFC), i,ix,xii; LBA i (ADW); LYB iv,vi,ix,x; LSMO ix (MZFC), ix (ADW); MEC vi,x (MZFC), i,vi,x,xii (ADW); NAY (AMNH); NVO i,xii (ADW); PAL i,iii,x xii; Pintadeño x (MZFC); RLNO i,ix,xii (ADW), ix (MZFC); SB (Godman & Salvin 1879 1901), i (ADW); SIN iv (MZFC), xii (ADW); Tepetilte; VC iii,xii (MZFC).
Zizula cyna (W.H. Edw. 1881), J C M. EGUM i (ADW); El Palillo iii (MZFC); JUM i (ADW); LBA iii (MZFC), i,vi (ADW); LYB x (MZFC); MEC i (ADW); Mirador del Aguila iii (MZFC); NAY (AMNH); PAL i (MZFC); RLNO i (ADW); Sierra Madre de Tepic (Godman & Salvin 1879 1901); SIN iii (MZFC), xii (ADW); VC vi (MZFC).
Hemimargus ceraunus zachaenia (Butl. & Druce 1872), J C M. Aticama xii; BUC i,iii,xii; EGUM i,xii; EREF xii (ADW); Isla María Madre xii (CIB); JUM iii,iv,vii ix (MZFC), i,ix,xii; LBA i (ADW); LYB vi; LSMO ix (MZFC), ix (ADW); Matanchén; MEC vi (MZFC), i (ADW); NAY (AMNH); NVO i,iii,xii (ADW); PAL iii; Pintadeño iv (MZFC); RLNO i (ADW); SB (Godman & Salvin 1879 1901, as *hanno* Stoll [1792]), i,vi (ADW), xii (CAS); Sierra Madre de Tepic (Godman & Salvin 1879 1901); SIN ix (MZFC), xii (ADW); VC iv (MZFC).
Echinargus isola (Reak. [1867]), as *Hemimargus i. isola* by Warren et al. (1998), J C M. EREF xii (ADW); JUM iv (MZFC); NAY (Hoffmann 1940); PAL iii (MZFC); RLNO i,ix,xii (ADW), ix (MZFC); SB (Godman & Salvin 1879 1901) VC vi,xi (MZFC).
Cupido comyntas (Godart [1824]), as *Everes comyntas* in Warren et al. (1998), J C M. BUC xii (ADW); El Palillo iii (MZFC); EREF xii (ADW); JUM xii (MZFC), i,xii; LBA i,vi (ADW); LYB iii,vi (MZFC); NVO i,xii (ADW); PAL iii (MZFC); RLNO i,ix (ADW), ix,xi (MZFC); SB (Godman & Salvin 1879 1901), vi (ADW); Sierra Madre de Tepic (Godman & Salvin 1879 1901); SIN vi (ADW); Tepetilte; VC vi (MZFC).
Celastrina gozora (Boisd. 1870), J C M. LYB x (MZFC); PAL xii (MZFC); RLNO i,ix,xii (ADW), ix (MZFC); Sierra Madre de Tepic (Godman & Salvin 1879 1901); SIN ix; VC i,iii,iv,xi,xii (MZFC). The relationship of *gozora* to other North American *Celastrina* taxa, especially *cinerea* (W. H. Edw. 1863), remains to be elucidated.

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