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**New butterfly reports for Reserva Silvestre Privada
El Jaguar, Nicaragua.**

Marcel Niederberger



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New butterfly reports for Reserva Silvestre Privada El Jaguar, Nicaragua.

Marcel Niederberger¹

RESUMEN

Se da a conocer 70 nuevos registros de la mariposa para la Reserva Silvestre Privada El Jaguar. 17 especies no son solo nuevos reportes para El Jaguar pero son nuevas especies para la fauna de Nicaragua: 1 Nymphalidae: *Adelpha pithys* (Bates, 1864); 3 Lycaenidae: *Arawacus leucogyna* (Felder & Felder, 1865), *Thaëides theia* (Hewitson, 1870), *Aubergina paetus* (Godman & Salvin, 1887); 3 Riodinidae: *Napaea rufolimba* (Hall, 2005), *Esthemopsis colaxes* (Hewitson, 1870), *Nymphidium ascolides* (Boisduval, 1870); 10 Hesperidae: *Jemadia suekentomiller* Grishin, 2014, *Phocides metrodorus nigrescens* Bell, 1938, *Telegonus tatus* Grishin, 2025, *Epargyreus aspina* (Evans, 1952), *Tromba xantha* Grishin, 2023, *Apyrrothrix burnsi* (O. Mielke, Brockmann & C. Mielke, 2022), *Quadrus difficilis* (Weeks, 1901), *Cobalopsis valerius* (Möschler, 1879), *Cobalopsis adictys* Grishin, 2023, *Carystoides escalantei* H. Freeman, 1969.

Palabras claves: Papilionidae, Pieridae, Nymphalidae, Lycaenidae, Riodinidae, Hesperidae, faunistica.

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¹ Switzerland, MarcelNiederberger@gmx.ch

ABSTRACT

70 new records of the butterfly are reported for the El Jaguar Private Wildlife Reserve. 17 species are not only new records for El Jaguar but are also new species for the fauna of Nicaragua: 1 Nymphalidae: *Adelpha pithys* (Bates, 1864); 3 Lycaenidae: *Arawacus leucogyna* (Felder & Felder, 1865), *Thaëides theia* (Hewitson, 1870), *Aubergina paetus* (Godman & Salvin, 1887); 3 Riodinidae: *Napaea rufolimba* (Hall, 2005), *Esthemopsis colaxes* (Hewitson, 1870), *Nymphidium ascolides* (Boisduval, 1870); 10 Hesperidae: *Jemadia suekentomiller* Grishin, 2014, *Phocides metrodorus nigrescens* Bell, 1938, *Telegonus tatus* Grishin, 2025, *Epargyreus aspina* (Evans, 1952), *Tromba xantha* Grishin, 2023, *Apyrrothrix burnsi* (O. Mielke, Brockmann & C. Mielke, 2022), *Quadrus difficilis* (Weeks, 1901), *Cobalopsis valerius* (Möschler, 1879), *Cobalopsis adictys* Grishin, 2023, *Carystoides escalantei* H. Freeman, 1969.

Keys words: Papilionidae, Pieridae, Nymphalidae, Lycaenidae, Riodinidae, Hesperidae, faunistica.

INTRODUCTION

The El Jaguar Private Wildlife Reserve is a well-preserved cloud forest in the Jinotega department.

Butterflies from this reserve have previously been reported (Zawadski, Gauthier, Hernandez & Maes, 2018; Niederberger, 2020).

In table 1, species are shown into the 3 publications and in the six families, giving us a total of 253 species.

Table 1. Progress in the knowledge of butterfly species in the El Jaguar Private Wildlife Reserve.

	Zawadski et al., 2018	Niederberger, 2020	Niederberger, 2025	Total
Papilionidae	7		+3	10
Pieridae	20	+2	+5	27
Nymphalidae	89	+12	+18	119
Lycaenidae	6	+2	+13	21
Riodinidae	10		+5	15
Hesperiidae	6		+26	60
Total	166	+16	+70	252

METHODS.

Study area

The El Jaguar Private Wildlife Reserve is located in the Department of Jinotega, at an average altitude of 1300 m, with coordinates 13.236634, -86.053377.



Location map of the El Jaguar Private Wildlife Reserve, in the department of Jinotega in northern Nicaragua.



Location map of the El Jaguar Private Wildlife Reserve, north of Lake Apanas.

Identification.

Identification of species has been done with the books of De Vries (1987, 1997) and Glassberg (2007). The web sites iNaturalist and Butterflies of America were also used.

RESULTS.

On this occasion, 140 butterfly species were collected: 5 Papilionidae, 15 Pieridae, 56 Nymphalidae, 14 Lycaenidae, 9 Riodinidae, and 41 Hesperidae. Of these species, 70 represent new reports for the reserve: 3 Papilionidae, 5 Pieridae, 18 Nymphalidae, 13 Lycaenidae, 5 Riodinidae, and 26 Hesperidae.

Pictures of the species are shown.

FAMILY PAPILIONIDAE

Battus polydamas polydamas (Linnaeus, 1758)

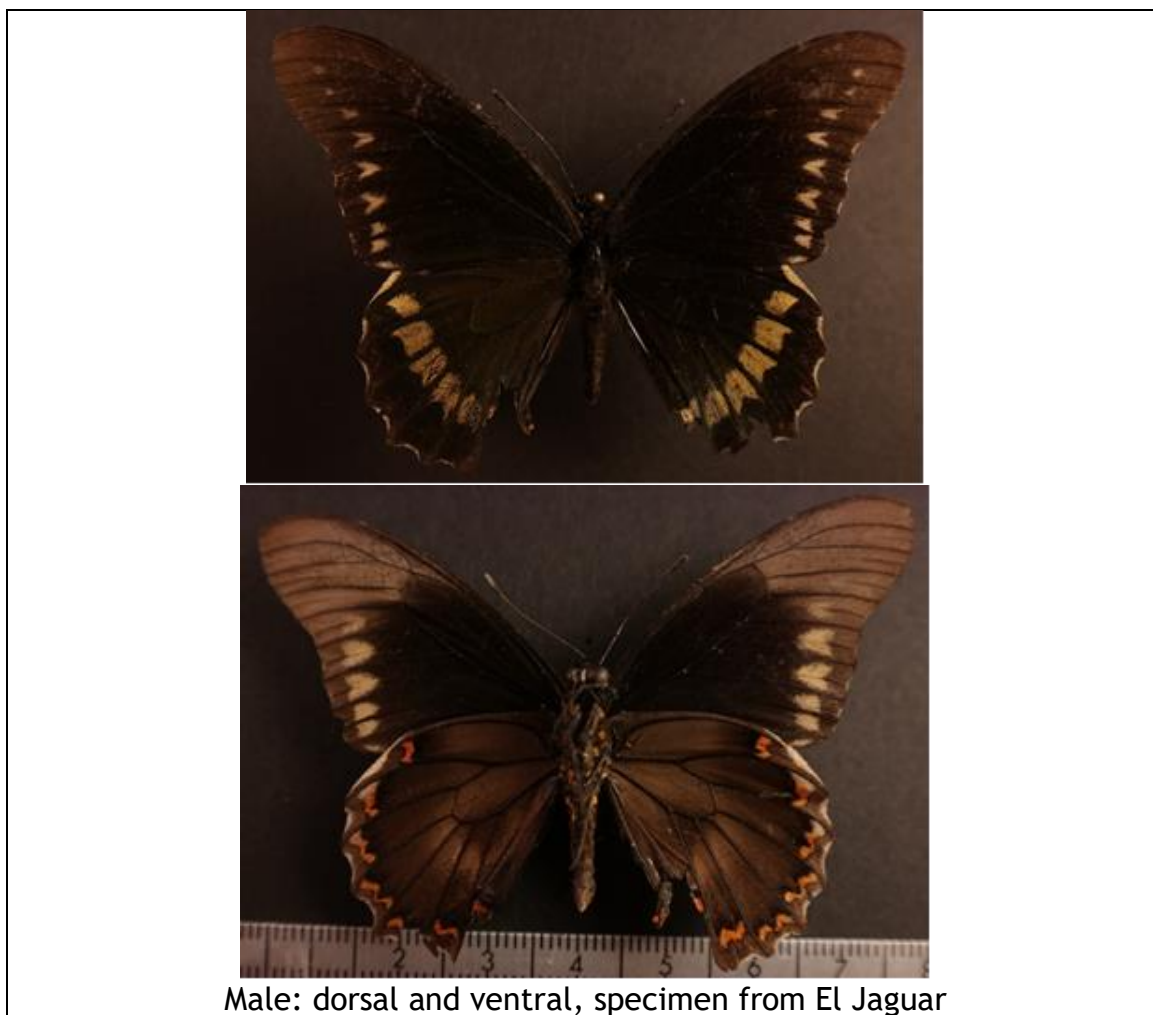
Range: USA, Carribean Islands, Central and South America south to Argentina.
Subspecies USA to Argentina.

Distribution in Nicaragua: Nueva Segovia, Jinotega, Leon, Managua, Masaya, Granada, Rivas, Chontales, Corn Is., Rio San Juan (Maes, 2006).

Foodplants: Aristolochiaceae (*Aristolochia*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26-IX-2024,
col. Marcel Niederberger (1 ex.).



Parides childrenae childrenae (Gray, 1832)

Range: Mexico to Ecuador, Brasil. Subspecies: Mexico to Panama.

Distribution in Nicaragua: Chontales, Rio San Juan, Jinotega. Mostly a species from the Atlantic side rain forest.

Foodplants: Aristolochiaceae: *Aristolochia*.

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 03-X-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Parides photinus (Doubleday, 1844)

Range: Mexico to Costa Rica.

Distribution in Nicaragua: Jinotega, Matagalpa, Chinandega, Leon, Managua, Masaya, Granada. Mostly on the Pacific lowlands.

Foodplants: Aristolochiaceae: *Aristolochia*.

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/27-IX-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

FAMILY PIERIDAE

Pyrisitia nise nelphe (Felder, 1869)

Range: USA, Caribbean islands, Mexico to Argentina, subspecies: USA to Costa Rica.

Distribution in Nicaragua: Jinotega, Matagalpa, Boaco, Leon, Managua, Granada, Rivas, Ometepe, Chontales, RACCN, Rio San Juan (Maes, 2007).

Foodplants: Mimosaceae: *Mimosa pudica*.

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26 - IX 2024, 03
- X - 2024, col. Marcel Niederberger (2 males, 2 females).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

Abaeis albula celata (Felder, 1869)

Range: Mexico to Argentina, subspecies: Mexico to Nicaragua. From the south and Atlantic side of Nicaragua to Ecuador there is another subspecies: *Abaeis albula marginella* (FELDER & FELDER, 1861). Specimens of subspecies *marginella* from south and east Nicaragua have mostly no black markings on the border of hind wings.

Distribution in Nicaragua: Jinotega, (ssp. *marginella*: Granada (Mombacho volcano), Chontales, RACCN, RACCS, Rio San Juan).

Foodplants: Caesalpinaceae: *Cassia fruticosa*.

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/30-IX-2024, col. Marcel Niederberger (7 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Male: dorsal and ventral, specimen from El Jaguar



Male: dorsal and ventral, specimen from El Jaguar



Male: dorsal and ventral, specimen from El Jaguar

Phoebis argante argante (Fabricius, 1775)

Range: Caribbean islands, USA to Uruguay. Subspecies: USA to Uruguay.

Distribution in Nicaragua: Jinotega, Chinandega, Leon, Masaya, Granada, Ometepe, Rivas, Chontales, RACCN, RACCS.

Foodplants: Caesalpinaceae (*Cassia*), Mimosaceae (*Inga*, *Pentaclethra*), Capparidaceae.

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26/29-IX-2024, col. Marcel Niederberger (3 ex.).



Aphrissa statira statira (Cramer, 1777)

Range: Florida, Caribbean islands, Texas to Argentina. Subspecies: Texas to Argentina, lesser Antilles.

Distribution in Nicaragua: Jinotega, Leon, Granada, Chontales, RACCN.

Foodplants: Bignoniaceae (*Callichamys*), Caesalpinaceae (*Cassia*), Fabaceae (*Dalbergia*), Mimosaceae (*Calliandra*), Sapindaceae (*Melicoccus*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 29-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Glutophrissa drusilla noroesta Grishin, 2022

Range: USA to Argentina, Caribbean islands. Subspecies: Texas to Panama.

Distribution in Nicaragua: Jinotega, Leon, Managua, Masaya, Granada, Ometepe, Rivas, Chontales.

Foodplants: Capparidaceae (*Capparis*), Brassicaceae, Euphorbiaceae (*Drypetes*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 27-IX-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Enantia jethys (Boisduval, 1836)

Range: Mexico to north of Nicaragua.

Distribution in Nicaragua: Jinotega, Matagalpa, RACCN (Cerro Saslaya).

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26-IX-2024, 01
- X - 2024, col. Marcel Niederberger (5 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar



Male: dorsal and ventral, specimen from El Jaguar

FAMILY NYMPHALIDAE

Lycorea halia atergatis Doubleday, 1847

Range: Mexico to Argentina, Caribbean islands; subspecies: Mexico to Venezuela.

Distribution in Nicaragua: Jinotega, Matagalpa, Chinandega, Managua, Masaya, Granada, Ometepe, RACCN, Rio San Juan.

Foodplants: Asclepiadaceae (*Asclepias*), Caricaceae (*Carica*, *Jacaratia*), Moraceae (*Ficus*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/26-IX-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

Tithorea tarricina pinthias Godman & Salvin, 1878

Range: Mexico to Bolivia; subspecies: Guatemala to Colombia.

Distribution in Nicaragua: Jinotega, Chontales, RACCN, Rio San Juan.

Foodplants: Apocynaceae (*Prestonia*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/26-IX-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Mechanitis polymnia isthmia Bates, 1863

Range: Mexico to Bolivia and Brasil; subspecies: El Salvador to Panama.

Distribution in Nicaragua: Jinotega, Matagalpa, Chinandega, Leon, Managua, Masaya, Granada, Ometepe, Chontales, Solentiname, RACCN, Rio San Juan.

Foodplants: Solanaceae (*Solanum*, *Lycopersicon*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 02-X-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Actinote guatemalena guatemalena (Bates, 1864)

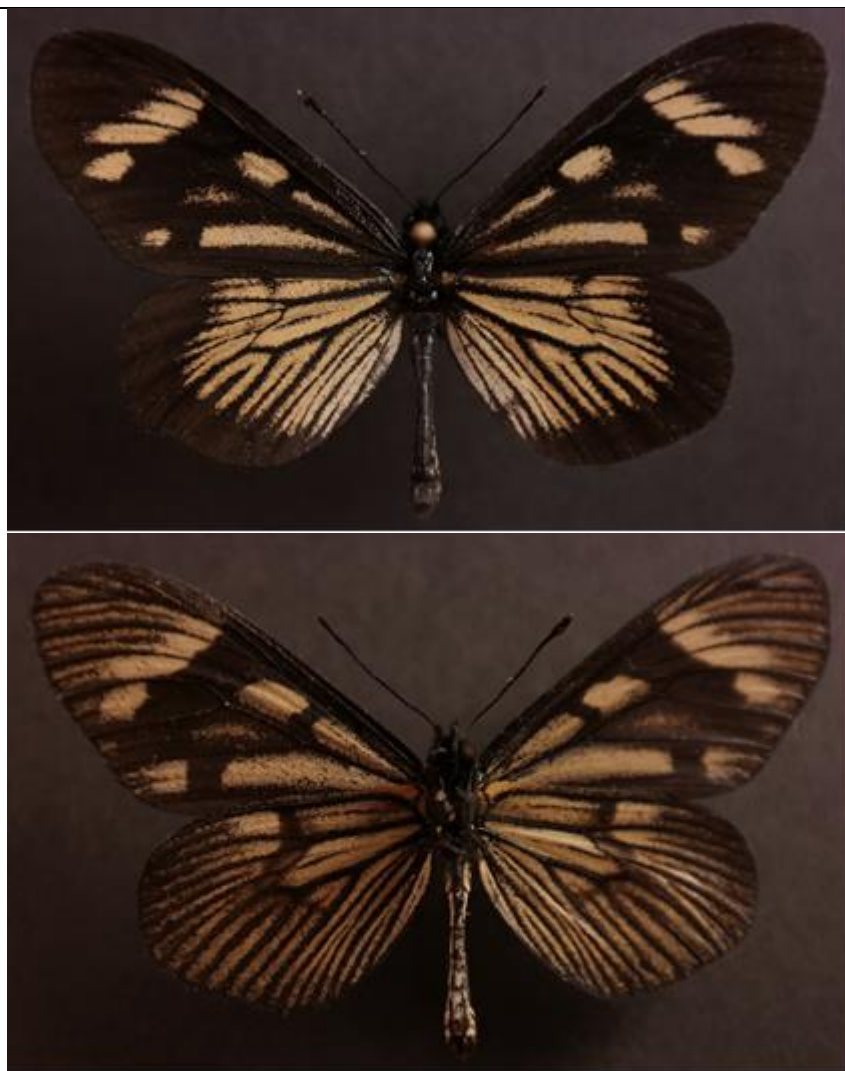
Range: Mexico to Costa Rica; subspecies: Mexico (Chiapas) to Costa Rica.

Distribution in Nicaragua: Jinotega, Chontales, RACCN.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 02-X-2024,
col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Heliconius hecale zuleika Hewitson, 1854

Range: Mexico to Bolivia and Brasil; subspecies: Mexico to Panama.

Distribution in Nicaragua: Jinotega, Leon, Managua, Masaya, Granada, Ometepe, Rivas, Chontales, RACCN, RACCS, Rio San Juan.

Foodplants: Passifloraceae (*Passiflora*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Heliconius melpomene rosina Boisduval, 1870

Range: Mexico to Bolivia and Brasil; subspecies: Mexico to Panama.

Distribution in Nicaragua: Jinotega, RACCN, RACCS, Rio San Juan. This species is usually found in rainforests of the atlantic side of Nicaragua.

Foodplants: Passifloraceae (*Passiflora*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Heliconius sara fulgidus Stichel, 1906

Range: Guatemala to Brasil; subspecies: Guatemala to Panama.

Distribution in Nicaragua: Jinotega, RACCN, Chontales, RACCS, Rio San Juan.
This species is generally found on the Atlantic side of Nicaragua, in rainforest

Foodplants: Passifloraceae (*Passiflora*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 13/17-IV-2019,
col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

Adelpha pithys (Bates, 1864)

Range: Mexico, Guatemala, El Salvador and Honduras.

Distribution in Nicaragua: **this species represent a new addition to the fauna of Nicaragua.**

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 28/30-IX-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

Adelpha tracta (Butler, 1872)

Range: Nicaragua to Panama.

Distribution in Nicaragua: Jinotega, Matagalpa, Granada (Mombacho volcano).

Foodplants: Viburnaceae (*Viburnum*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 13/17-IV-2019, col. Marcel Niederberger (2 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Asterocampa idyja argus Bates, 1864

Range: Cuba, Hispaniola, Puerto Rico, Mexico to Costa Rica; subspecies: Mexico to Costa Rica.

Distribution in Nicaragua: Jinotega, Matagalpa, Chinandega, Leon, Managua, Masaya.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26-IX-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Temenis laothoe hondurensis Fruhstorfer, 1907

Range: Mexico to Paraguay; subspecies: Mexico (Chiapas) to Colombia.

Distribution in Nicaragua: Jinotega, ...

Foodplants: Sapindaceae (*Serjania*, *Paullinia*, *Cardiospermum*, *Urvillea*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024, col. Marcel Niederberger (1 ex.).



Dynamine theseus (Felder & Felder, 1861)

Range: Mexico to Colombia and Venezuela

Distribution in Nicaragua: Nueva Segovia, Jinotega, Matagalpa, Ometepe.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024,
col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Anthanassa otanes otanes (Hewitson, 1864)

Range: Mexico to Panama; subspecies: Mexico to Costa Rica.

Distribution in Nicaragua: Jinotega, Matagalpa.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23 -IX, 02-X-2024, col. Marcel Niederberger (3 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Male: dorsal and ventral, specimen from El Jaguar

Fountainea eurypyle confusa (Hall, 1929)

Range: Mexico to Brasil; subspecies: Mexico to Panama.

Distribution in Nicaragua: Jinotega, Granada (Mombacho volcano), Rio San Juan.

Foodplants: Euphorbiaceae (*Croton*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 03-IX-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Antirrhea philoctetes lindigii Felder & Felder, 1862

Range: Mexico to Brasil; subspecies: Honduras to Colombia.

Distribution in Nicaragua: Jinotega, Chontales, RACCN, Rio San Juan.
Generally found near the floor in rainforest of the atlantic side of Nicaragua.

Foodplants: Arecaceae (*Geonoma*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 24/28/29-IX-2024, col. Marcel Niederberger (3 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

Amiga sericeella (Bates 1864)

Range: Mexico to Nicaragua.

Distribution in Nicaragua: Jinotega, Chontales, RACCN, RACCS, Rio San Juan.

Foodplants: Poaceae (*Eleusine*, *Oplismenus*, *Ichanthus*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 25-IX-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Male: dorsal and ventral, specimen from El Jaguar

Magneptychia libye (Linnaeus, 1767)

Range: Mexico to Brasil.

Distribution in Nicaragua: Jinotega, Matagalpa, Chinandega, Leon, Masaya, Chontales, RACCS, Rio San Juan.

Foodplants: Poaceae (*Panicum*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/24-IX-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Male: dorsal and ventral, specimen from El Jaguar

Taygetis uncinata Weymer, 1907

Range: Mexico and Guatemala, reported from El Salvador and Nicaragua based on observations in iNaturalist.

Distribution in Nicaragua: Jinotega, Esteli, Boaco, Managua, Rivas (Gauthier & Maes 2019).

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal, specimen from El Jaguar



Male: ventral, specimen from El Jaguar

FAMILY LYCAENIDAE

Theritas mavors Hübner, 1818

Range: Mexico to Guianas.

Distribution in Nicaragua: Nueva Segovia, Jinotega, Chontales, RACCS (Robbins *et al.*, 2012).

Foodplants: Melastomataceae (*Miconia* (= *Conostegia*)).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 01/02/03-X-2024, col. Marcel Niederberger (4 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Brangas neora (Hewitson, 1867)

Range: Mexico to Brasil.

Distribution in Nicaragua: Jinotega, Managua (Robbins *et al.*, 2012).

Foodplants: Santalaceae (*Phoradendron*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 03-X-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Arawacus leucogyna (Felder & Felder, 1865)

Range: Belize to Venezuela and Peru

Distribution in Nicaragua: Jinotega, Jinotega, new addition for the fauna of Nicaragua.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 30-IX-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Male: dorsal and ventral, specimen from El Jaguar

Arawacus sito (Boisduval, 1836)

Range: Mexico to Costa Rica.

Distribution in Nicaragua: Jinotega, Matagalpa, Managua, Carazo, Granada (Mombacho volcano), Chontales, RACCS.

Foodplants: Boraginaceae (*Cordia*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 30-IX-20124, col. Marcel Niederberger, det. by Aaron Soh on iNaturalist (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Arawacus togarna (Hewitson, 1867)

Range: Mexico to Ecuador, Brasil.

Distribution in Nicaragua: Jinotega, Matagalpa, Managua, Chontales, RACCS, Rio San Juan (Robbins *et al.*, 2012).

Foodplants: Solanaceae (*Solanum*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 28/30-IX-2024, col. Marcel Niederberger (4 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

Panthiades ochus (Godman & Salvin, 1887)

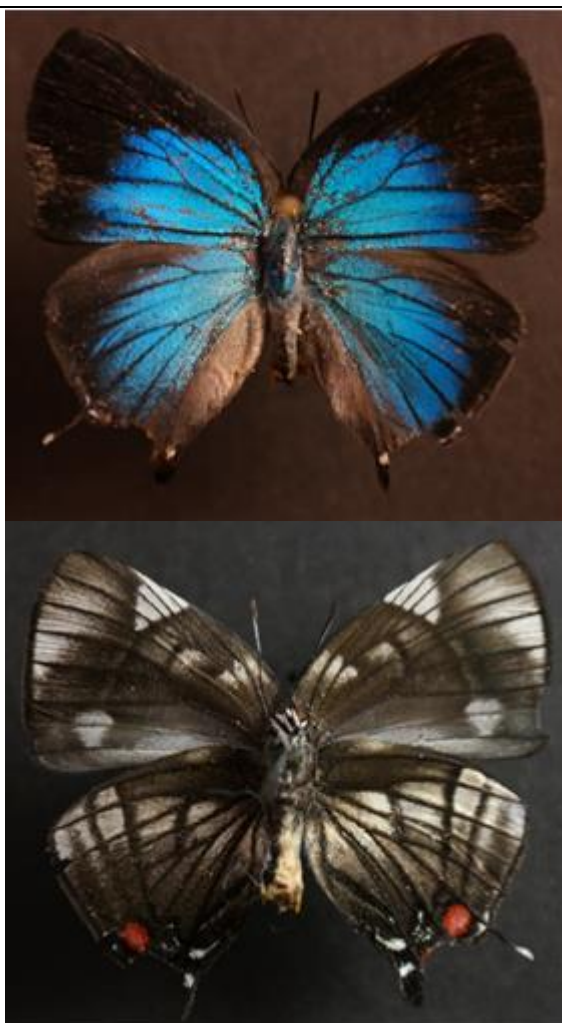
Range: Mexico to Ecuador.

Distribution in Nicaragua: Jinotega, Rio San Juan.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 03-X-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Thaeides theia (Hewitson, 1870)

Range: Mexico to Bolivia, Brasil.

Distribution in Nicaragua: Jinotega, new addition for the fauna of Nicaragua, recorded both north and south of Nicaragua (Robbins *et al.*, 2012).

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 30-IX-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Paiwarria umbratus (Geyer, 1837)

Range: Mexico to Costa Rica.

Distribution in Nicaragua: Jinotega, Chontales.

Foodplants: Sapotaceae (*Manilkara*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 01-X-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Pendantus denarius (Butler & Druce, 1872)

Range: Mexico and Guatemala to Panama.

Distribution in Nicaragua: Jinotega, Granada (Mombacho volcano), Chontales.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 28-IX-2024,
col. Marcel Niederberger, det. Aaron Soh (1 ex.).



Camissecla charichlorus (Butler & Druce, 1872)

Range: Honduras to Colombia.

Distribution in Nicaragua: Jinotega, Chontales, RACCS.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 02-X-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Aubergina paetus (Godman & Salvin, 1887)

Range: Mexico to Colombia.

Distribution in Nicaragua: Jinotega, new addition for the fauna of Nicaragua, recorded both north and south of Nicaragua (Robbins *et al.*, 2012).

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024, col. Marcel Niederberger, det. Aaron Soh (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Calycopis isobea (Butler & Druce, 1872)

Range: USA to Brasil.

Distribution in Nicaragua: Jinotega, Nueva Segovia, Esteli, Matagalpa, Chinandega, Leon, Managua, Masaya, Granada, Rivas, RACCN (based on observations in iNaturalist and Gauthier & Maes, 2018).

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 27-IX-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Cyanophrys longula (Hewitson, 1868)

Range: Mexico to Venezuela.

Distribution in Nicaragua: Jinotega, Matagalpa, Managua (El Crucero), Granada (Mombacho volcano).

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

FAMILY RIODINIDAE

Myselasia cf. hieronymi hieronymi (Salvin & Godman, 1868)

Range: East Mexico to Nicaragua

Distribution in Nicaragua: Jinotega.

Foodplants: Myrtaceae (*Eugenia*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26-IX-2024,
col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Eurybia lycisca Westwood, 1851

Range: Mexico to Brasil.

Distribution in Nicaragua: Jinotega, Chontales.

Foodplants: Maranthaceae (*Calathea*, *Ischnosiphon*).

Mutualism with ants: *Aphaenogaster*, *Camponotus*, *Crematogaster*, *Megalomyrmex*, *Pachycondyla*, *Paratrechina*, *Pheidole*, *Solenopsis*, *Wasmannia*.

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 27-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Napaea rufolimba (Hall, 2005)

Range: Mexico to Ecuador.

Distribution in Nicaragua: Jinotega. This species represent a new addition to the fauna of Nicaragua.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 03-X-2024, col. Marcel Niederberger (1 male).

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 24/29-IX-2024, col. Marcel Niederberger (2 ex.).



Female: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

Esthemopsis colaxes (Hewitson, 1870)

Range: Costa Rica to Ecuador.

Distribution in Nicaragua: Jinotega, **this species is a new addition to the Nicaraguan fauna.**

Foodplants:

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 02-X-2024, col. Marcel Niederberger, det. Aaron Soh (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Nymphidium ascolides (Boisduval, 1870)

Range: Guatemala, Honduras.

Distribution in Nicaragua: Jinotega, **this species is a new addition to the Nicaraguan fauna.**

Foodplants: ---

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 28/29-IX-2024, col. Marcel Niederberger, det. Nino Page 2025 (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

FAMILY HESPERIIDAE

SUBFAMILY EUDAMINAE

Phocides metrodorus nigrescens Bell, 1938

Identified by Bernard Hermier.

Range: Costa Rica to Paraguay; subspecies: Costa Rica to Venezuela, Ecuador, Peru.

Distribution in Nicaragua: Jinotega. New for the fauna of Nicaragua.

Foodplants: Myrtaceae (*Calypttranthes*, *Eugenia*, *Plinia*, *Myrcia*, *Pimenta*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/29-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Telegonus (Telegonus) azul (Reakirt, 1867)

Range: USA to Paraguay.

Distribution in Nicaragua: Jinotega, Matagalpa, Leon, Managua, Masaya, Granada, Ometepe, Chontales, RACCS.

Foodplants: Asteraceae (*Calea*), Fabaceae (*Erythrina*), Rhamnaceae (*Karwinskia*), Trigonaceae (*Trigonía*), Verbenaceae (*Vitex*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Telegonus (Rhabdoides) tatus Grishin, 2025

Identified by Bernard Hermier.

Range: Panama and Ecuador.

Distribution in Nicaragua: Jinotega. New for the fauna of Nicaragua.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 03-X-2024, col. Marcel Niederberger (1 ex.).



Dorsal and ventral, specimen from El Jaguar

Cecropterus (Cecropterus) zarex (Gmelin, 1790)

Identified by Bernard Hermier.

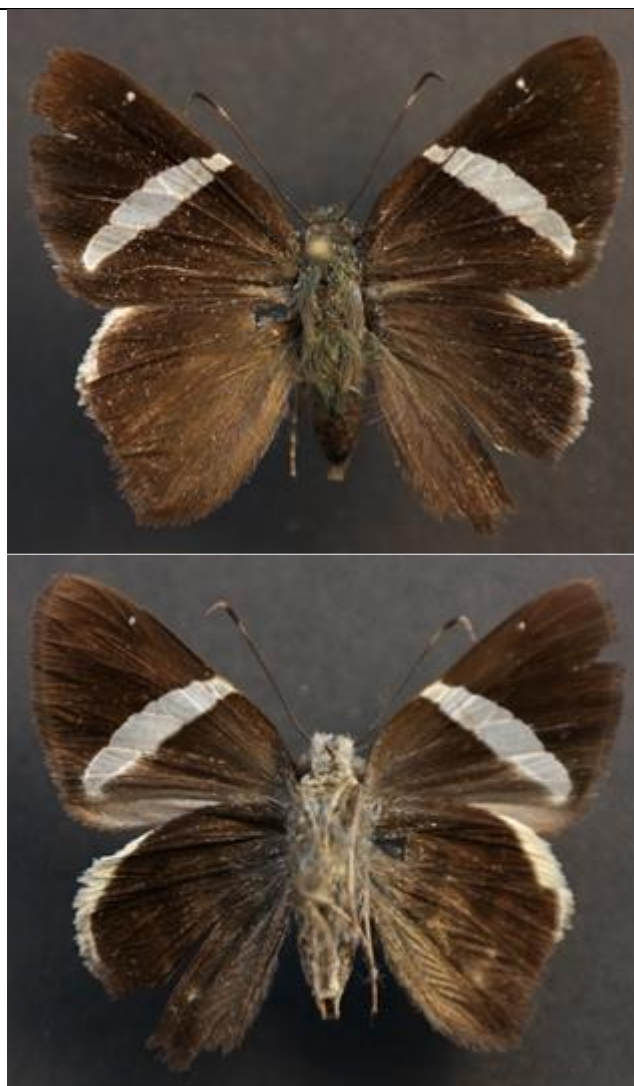
Range: Mexico to Argentina.

Distribution in Nicaragua: Jinotega, Matagalpa, Managua, RACCS.

Foodplants: Fabaceae (*Rhynchosia*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Epargyreus aspina (Evans, 1952)

Range: Mexico to Venezuela and Ecuador.

Distribution in Nicaragua: Jinotega, **this species is a new addition to the fauna of Nicaragua.**

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 27-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Aguna asander (Hewitson, 1867)

Range: Haiti, Cuba, Jamaica, USA to Argentina; subspecies: USA to Argentina.

Distribution in Nicaragua: Jinotega, Leon, Managua, Granada, Chontales.

Foodplants: Caesalpiniaceae (*Bauhinia*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 29-IX-2024,
col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Polygonus arizonensis (Skinner, 1911)

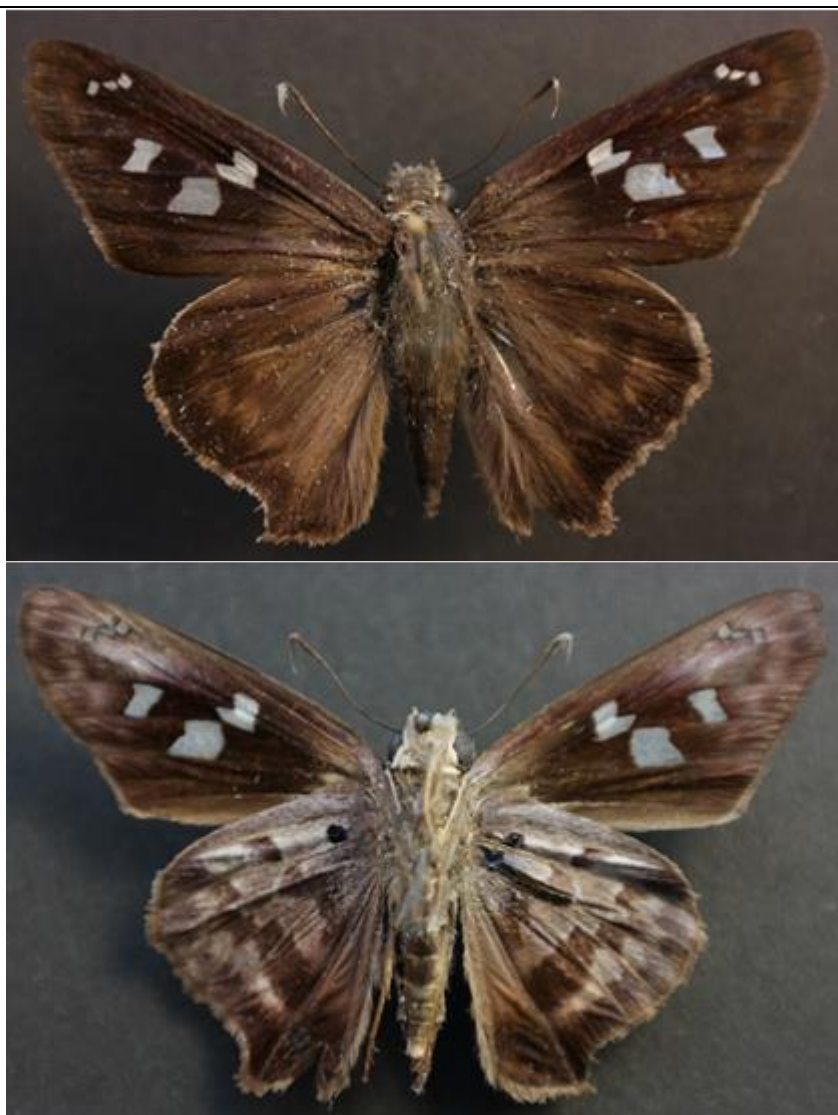
Range: USA to Costa Rica.

Distribution in Nicaragua: Jinotega, Managua, Chontales, RACCN.

Foodplants: Fabaceae (*Lonchocarpus*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024,
col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Urbanus alva Evans, 1952

Identified by Bernard Hermier.

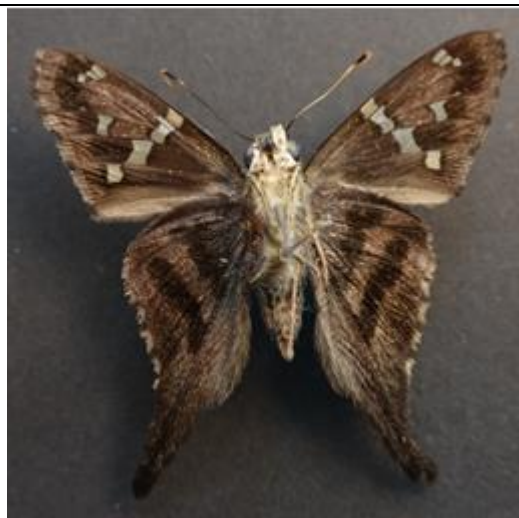
Range: Mexico to Costa Rica.

Distribution in Nicaragua: Jinotega, Leon, RACCN.

Foodplants: Asteraceae (*Melanthera*, *Zexmenia*, *Clibadium*, *Otopappus*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 27 - IX, 02-X-2024, col. Marcel Niederberger (1 ex.).



dorsal and ventral, specimen from El Jaguar

Urbanus pronta Evans, 1952

Range: Mexico to Argentina.

Distribution in Nicaragua: Jinotega, Managua, Granada, RACCS.

Foodplants: Urticaceae (*Urera*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 27 - IX, 02-X-2024, col. Marcel Niederberger (1 ex.).



dorsal and ventral, specimen from El Jaguar

SUBFAMILY PYRRHOPYGINAE

Jemadia suekentonmiller Grishin, 2014

Identified by Bernard Hermier.

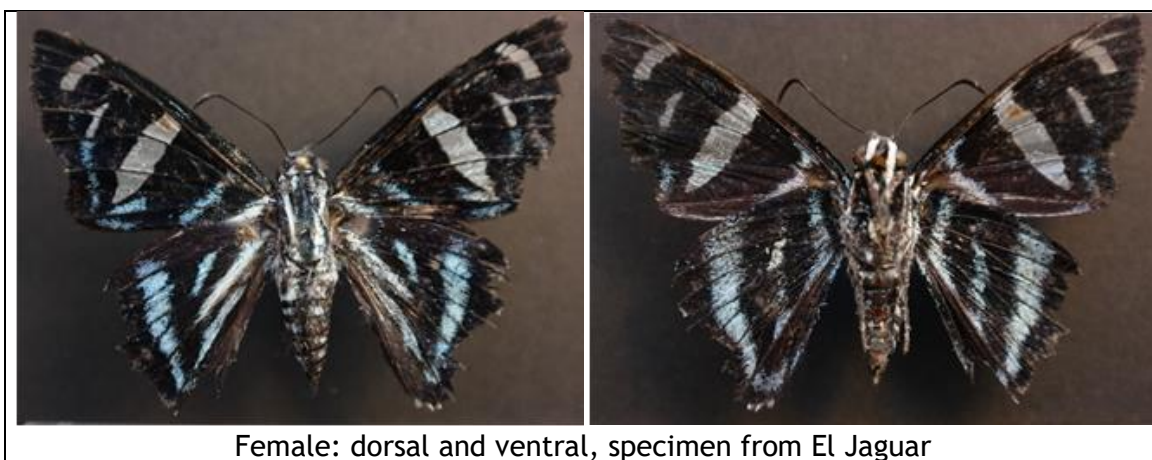
Range: Costa Rica and Panama.

Distribution in Nicaragua: Jinotega. New for the fauna of Nicaragua.

Foodplants: ---

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/29-IX-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Agara belti belti (Godman & Salvin, 1879)

Range: Mexico to Ecuador; subspecies: Mexico to Ecuador.

Distribution in Nicaragua: Jinotega, Matagalpa, Chontales.

Foodplants: Meliaceae (*Guarea*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 29-IX-2024,
col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Apyrrothrix (Melanopyge) burnsi (O. Mielke, Brockmann & C. Mielke, 2022)

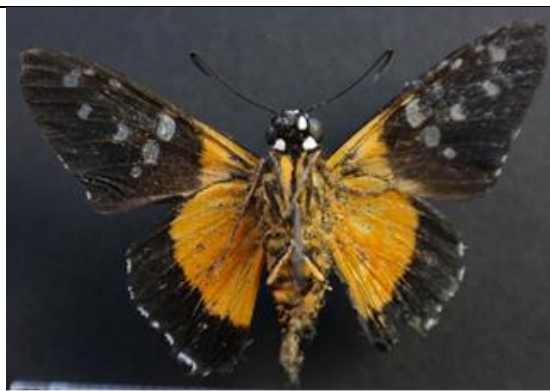
Range: Mexico to Costa Rica.

Distribution in Nicaragua: Jinotega, **this species is a new addition to the fauna of Nicaragua.**

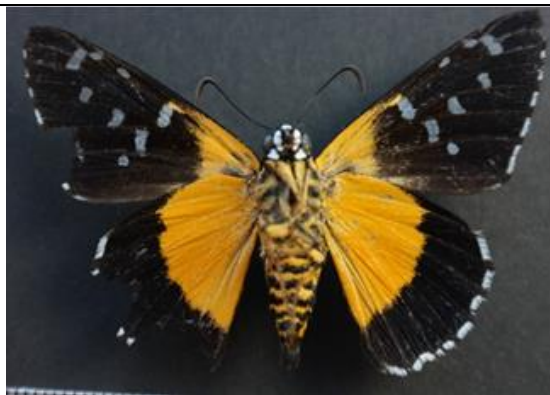
Foodplants: Malvaceae (*Hampea*), Phyllanthaceae (*Hieronyma*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 28 - IX, 03-X-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

SUBFAMILY PYRGINAE

Quadrus difficilis (Weeks, 1901)

Range: Mexico to Brasil.

Distribution in Nicaragua: Jinotega, **this species is a new addition to the fauna of Nicaragua.**

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 27-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Eantis (Liddia) pallida (R. Felder, 1869)

Range: Mexico to Brasil.

Distribution in Nicaragua: Jinotega, Matagalpa, Managua, Granada, Chontales.

Foodplants: Rutaceae (*Citrus*, *Sargentia*, *Ptelea*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 02-X-2024, col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Systaspes corrosus (Mabille, 1878)

Range: Mexico to Panama.

Distribution in Nicaragua: Jinotega, Matagalpa, Chontales.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 27-IX-2024,
col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Xenophanes ruatanensis Godman & Salvin, 1895

Range: Texas to Costa Rica.

Distribution in Nicaragua: Jinotega, Chinandega, Managua, Chontales, RACCS.

Foodplants: Malvaceae (*Pavonia*, *Hibiscus*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/26/28/30-IX-2024, col. Marcel Niederberger (4 ex.).



dorsal and ventral, specimen from El Jaguar



dorsal and ventral, specimen from El Jaguar



dorsal and ventral, specimen from El Jaguar

SUBFAMILY HESPERIINAE

Cobalopsis valerius (Möschler, 1879)

Identified by Bernard Hermier.

Range: Costa Rica to South Brasil.

Distribution in Nicaragua: Jinotega, **this species is a new addition to the fauna of Nicaragua.**

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/24-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Cobalopsis cf. valerius (Möschler, 1879)

Identified by Bernard Hermier.

Range: Costa Rica to South Brasil.

Distribution in Nicaragua: Jinotega.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 28-IX-2024,
col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Lerema (Geia) cf. lyde (Godman, 1900)

Identified by Bernard Hermier.

Range: Mexico to Costa Rica.

Distribution in Nicaragua: Jinotega, Granada, RACCS.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/24-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Tromba xantha Grishin, 2023

Range: Mexico to Nicaragua.

Distribution in Nicaragua: Jinotega, **this species is a new addition to the fauna of Nicaragua.**

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 28-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Mnasicles cf. remus (Fabricius, 1798)

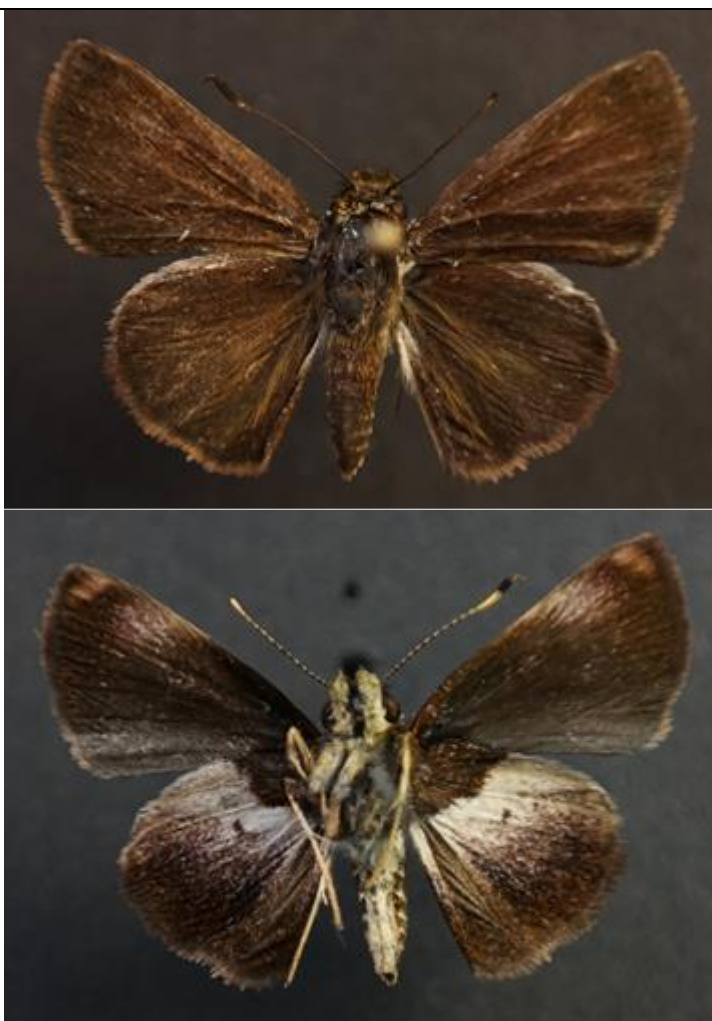
Range: Mexico to Paraguay.

Distribution in Nicaragua: Jinotega, Chontales, RACCN, RACCS.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 28-IX-2024,
col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Troyus diversa maeon (Mabille, 1891)

Range: Nicaragua to Paraguay; subspecies: Nicaragua to Colombia.

Distribution in Nicaragua: Jinotega, Chontales.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024,
col. Marcel Niederberger (1 ex.).



Female: dorsal and ventral, specimen from El Jaguar

Calpodes ethlius (Stoll, 1782)

Range: USA to Chile, Caribbean islands.

Distribution in Nicaragua: Jinotega, Esteli, Matagalpa, Boaco, Leon, Managua, Masaya, Chontales, RACCS.

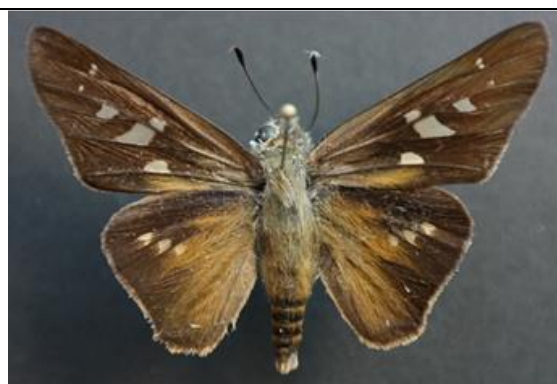
Foodplants: Cannaceae (*Canna*), Poaceae (*Saccharum*, *Zea*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

Calpodes saladin (Evans, 1955)

Range: Mexico to Brasil; subspecies: Mexico to Peru.

Distribution in Nicaragua: Nueva Segovia, Jinotega, RACCS.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 03-X-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Carystoides escalantei H. Freeman, 1969

Range: Mexico to Costa Rica.

Distribution in Nicaragua: Jinotega, **this species is a new addition to the fauna of Nicaragua.**

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23/25/28-IX-2024, col. Marcel Niederberger (3 ex.).



Male: dorsal and ventral, specimen from El Jaguar. This specimen is probably something different.



Female: dorsal and ventral, specimen from El Jaguar

Thespieus macareus (Herrich-Schäffer, 1869)

Range: USA to Colombia and Venezuela.

Distribution in Nicaragua: Jinotega, Matagalpa, Managua, Chontales.

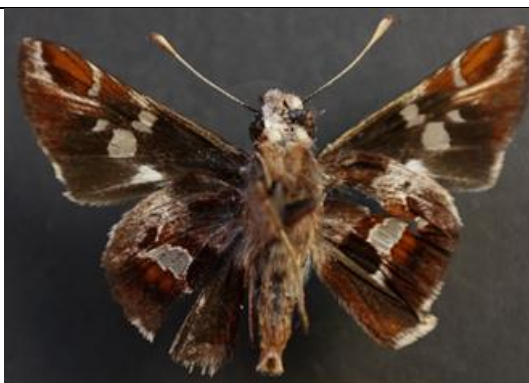
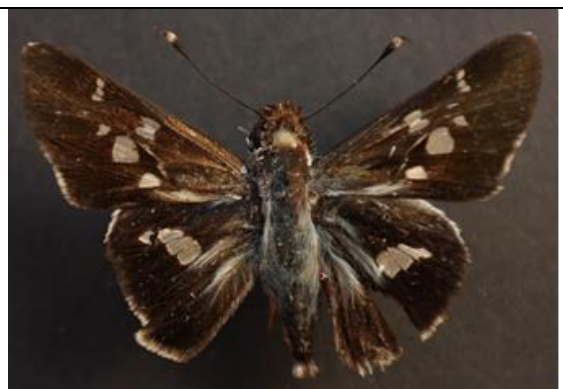
Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 29 - IX/10-X-2024, col. Marcel Niederberger (2 ex.).



Male: dorsal and ventral, specimen from El Jaguar



Female: dorsal and ventral, specimen from El Jaguar

Cobalopsis adictys Grishin, 2023

Identified by Bernard Hermier.

Range: Costa Rica and Panama.

Distribution in Nicaragua: Jinotega. New for the fauna of Nicaragua.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 01-X-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Panoquina lucas lucas (Fabricius, 1793)

Range: USA to Argentina, Caribbean islands; subspecies: USA to Argentina, Caribbean islands.

Distribution in Nicaragua: Jinotega, Matagalpa, Managua, RACCS.

Foodplants: Poaceae (*Oryza*, *Saccharum*, *Bambusa*, *Sorghum*).

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 26-IX-2024, col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

Callimormus radiola radiola Mabilie, 1878

Range: Mexico to Argentina, Cuba; subspecies: Mexico to Brasil, Cuba.

Distribution in Nicaragua: Jinotega, RACCS.

Foodplants: ----

Collected specimens:

- Nicaragua: Jinotega: R.S.P. El Jaguar, 13.236634 -86.053377, 23-IX-2024,
col. Marcel Niederberger (1 ex.).



Male: dorsal and ventral, specimen from El Jaguar

ACKNOWLEDGMENT

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