

**ANNOTATED LIST OF THE BUTTERFLIES RECORDED FROM THE PROJECT AMAZONAS FOREST RESERVES
ON THE RIO OROSA AND RIO APAYACU
DEPARTMENT OF LORETO, PERU**

PROJECT AMAZONAS, INC.

Compiled by Devon L. Graham, Ph.D., Scientific Director
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This is a preliminary checklist of the butterflies that are found at, or in the immediate vicinities of the Madre Selva Biological Research Station (**MS**) and the Paucarillo Forest Preserve (**P**) on the Orosa River; and the Sabalillo Forest Preserve (**S**) on the Apayacu River. This list was initiated in 2001 and is the result of observations and identifications by a number of observers. This list is not complete and will undergo substantial additions and modifications over the coming years.

HABITAT KEY: This represents where species were collected or seen, and does not necessarily represent the only areas these species inhabit.

1. Orosa or Apayacu River and adjacent riverbanks.
2. Varzea (seasonally flooded) forest, streams (including banks) passing through varzea forest.
3. Secondary forest (terra firme).
4. Primary forest (terra firme).
5. Forest creeks (terra firme).
6. Clearings and orchards, garden areas, etc. (mostly in terra firme forest).
7. Lakes (cochas), other large open bodies of water with floating or emergent vegetation.

ABUNDANCE: Categories are not intended to indicate the true abundance of any species, but simply reflect, on a relative basis, the frequency with which we encountered different species.

A = Abundant; many individuals noted on most days (in appropriate habitat)

C = Common; a few individuals noted on most days or many individuals at frequent intervals

U = Uncommon; one or several noted at frequent intervals, but usually not daily

R = Rare; one or a few recorded at long intervals

*Denotes photographic record or specimen record of a given species.

#Denotes that a particular species has not yet been recorded from any of the sites, but that it can be expected to occur.

FAMILIES AND SUBFAMILIES OF BUTTERFLIES ARE LISTED IN ALPHABETIC (NOT TAXONOMIC) ORDER

Scientific Name	Common Name	Habitat			Abundance			Notes
		MS	P	S	MS	P	S	
HESPERIDAE	SKIPPERS & LONGTAILS							
Pyrginae								
<i>Phocides sp.</i>		Occurs	--	--	--	--	--	
<i>Pythonides lerina</i>		Occurs	--	--	--	--	--	
<i>Urbanus sp. 1</i>	Longtail sp.	6	--	--	--	--	--	
LYCAENIDAE	BLUES/RIODINIDS & METALMARKS							
Polyommatainae	Blues							
<i>Leptotes cassius</i>	Tropical striped blue	Occurs	--	--	--	--	--	Also known as "Cassius blue"
<i>Hemiargus cassius</i>		Occurs	--	--	--	--	--	
Riodininae	Riodinids/Metalmarks							
<i>Adelotypa huebneri</i>	Huebneri metalmark	Occurs	--	--	--	--	--	
<i>Amarynthia meneria</i>	Meneria metalmark	Occurs	--	--	--	--	--	
<i>Ancyluris aulestes</i>	Aulestes swordtail	Occurs	--	--	--	--	--	
* <i>Calydna punctata</i>	Starry night metalmark	6	R	--	--	R	--	Black with uniform white spots on both surfaces
<i>Eurybia cyclopia</i>	Cyclops sheenmark	Occurs	--	--	--	--	--	
<i>Eurybia halimede</i>	Halimede sheenmark	Occurs	--	--	--	--	--	
<i>Eurybia hyacinthina</i>	Hyacinth sheenmark	Occurs	--	--	--	--	--	
<i>Eurybia jenime</i>		Occurs	--	--	--	--	--	
<i>Eurybia lamia</i>		Occurs	--	--	--	--	--	
<i>Lasaia sula</i>	Blue metalmark	Occurs	--	--	--	--	--	
<i>Myonia cloreto pyraloides</i>		Occurs	--	--	--	--	--	
<i>Nymphidium cariae</i>		Occurs	--	--	--	--	--	
Theclinae	Hairstreaks							
<i>Pseudolycaena marsyas cybele</i>	Marsyas hairstreak	Occurs	--	--	--	--	--	
<i>Thecla aetolius</i>		Occurs	--	--	--	--	--	
NYMPHALIDAE	NYMPHALIDS/BRUSHFOOTS							
Apaturinae								
<i>Doxocopa laure</i>		Occurs	--	--	--	--	--	
Biblidinae (Eurytelinae)								
<i>Callicore (Catagramma) cynosura</i>		Occurs	--	--	--	--	--	
<i>Catonephele antinoe</i>	Shoemaker butterfly	Occurs	--	--	--	--	--	Pronounced sexual dimorphism
* <i>Diathrea clymena</i>	Cramer's eighty-eight	6	--	--	C	--	--	

Scientific Name	Common Name	Habitat			Abundance			Notes
		MS	P	S	MS	P	S	
<i>Dynamine atheumon</i>		Occurs	--	--	--	--	--	
<i>Dynamine erchia</i> sp.		Occurs	--	--	--	--	--	
<i>Dynamine maeon</i>		Occurs	--	--	--	--	--	
<i>Dynamine postverta</i>		Occurs	--	--	--	--	--	
<i>Dynamine r. racidula</i>		Occurs	--	--	--	--	--	
<i>Dynamine vicaria</i>		Occurs	--	--	--	--	--	
<i>Eunica (Libythina) malvina</i>		Occurs	--	--	--	--	--	
<i>Eunica (Libythina) m. mygdonia</i>		Occurs	--	--	--	--	--	
<i>Eunica (Libythina) viola</i>		Occurs	--	--	--	--	--	
<i>Nessaea batesii</i>		Occurs	--	--	--	--	--	
<i>Nessaea hewitsoni</i>		Occurs	--	--	--	--	--	
<i>Panacea procilla</i>		Occurs	--	--	--	--	--	
* <i>Panacea prola</i>	Red panacea	6	6	6	A	A	A	frequently enters buildings, bright red hind underwing, blue mottled upperwings
Brassoliniinae		Owl butterflies						
<i>Caligo sp. 1</i>		Occurs	--	--	--	--	--	
<i>Caligo idomeneus</i>		Occurs	--	--	--	--	--	
<i>Catoblepia berecynthia</i>	Berecynthia giant-owl	Occurs	--	--	U	--	--	
<i>Historis acheronta</i>		Occurs						
<i>Historis odius</i>		6	--	--	--	--	--	
<i>Narope cyllastros</i>		Occurs	--	--	--	--	--	
<i>Opsiphanes licomedes</i>		Occurs	--	--	--	--	--	
Charaxiinae								
* <i>Archaeoprepona licomedes</i>		6	--	--	R	--	--	
Heliconiinae		Long-wing or passion-vine butterflies						
<i>Actinote sp. 1</i>		Occurs	--	--	--	--	--	
<i>Agraulis vanillae</i>	Gulf Fritillary	Occurs	--	--	--	--	--	
<i>Dione juno</i>		Occurs	--	--	--	--	--	
* <i>Dryas iulia</i>	Julia Butterfly	1,6	1,6	1,6	A	A	A	
<i>Eueides spp</i>	sim to Julia	Occurs	--	--	--	--	--	
<i>Heliconius doris</i>		Occurs	--	--	--	--	--	
<i>Heliconius wallacei</i>	?	--	--	R	--	--	--	
<i>Heliconius hecale</i>		--	--	--	--	--	--	
<i>Heliconius melapomene</i>		--	--	--	--	--	--	
<i>Heliconius cydno</i>		Occurs	--	--	--	--	--	
<i>Heliconius xanthocles</i>		Occurs	--	--	--	--	--	
* <i>Philathria dido</i>	Scarce bamboo page	1,6	1,6	--	C	C	--	Also known as "malachite"

Scientific Name	Common Name	Habitat			Abundance			Notes
		MS	P	S	MS	P	S	
Ithomiidae	Clearwings							
<i>Forbestra o. olivencia</i>		Occurs	--	--	--	--	--	
<i>Hypoleria lavinia</i>	Clearwing	Occurs	--	--	--	--	--	
<i>Hypoleria orolina</i>	Clearwing	Occurs	--	--	--	--	--	
<i>Ithomia salapia aquina</i>		Occurs	--	--	--	--	--	
<i>Mechanitis polymnia doryssides</i>	Tiger mimic	Occurs	--	--	--	--	--	Sometimes in Danaidae
<i>Oleria epicharme</i>		Occurs	--	--	--	--	--	
<i>Oleria ilderinoides</i>		Occurs	--	--	--	--	--	
<i>Oleria onega epicharme</i>		Occurs	--	--	--	--	--	
<i>Oleria onega lerida</i>		Occurs	--	--	--	--	--	
Limenitidinae	Daggerwings							
<i>Adelpha lerna</i>		6	--	--	C	--	--	
<i>Adelpha t. thoasa</i>		Occurs	--	--	--	--	--	
* <i>Adelpha ximena</i>		6	--	--	R	--	--	
<i>Marpesia chiron marius</i>	Many-banded daggerwing	6	--	--	C	--	--	
* <i>Marpesia crethon</i>		6	--	--	A	--	--	
<i>Marpesia petreus</i>	Ruddy daggerwing	6	--	--	--	--	--	
Morphinae	Morphos							
<i>Antirrhoea philaretos</i>		Occurs	--	--	--	--	--	
<i>Morpho achilles</i>	Blue morpho	Occurs	--	--	--	--	--	
<i>Morpho didius</i>		Occurs	--	--	--	--	--	
<i>Morpho deidamia</i>		Occurs	--	--	--	--	--	
<i>Morpho menelaus</i>	Blue morpho	Occurs	--	--	--	--	--	
<i>Morpho peleides</i>	Blue morpho	Occurs	--	--	--	--	--	
<i>Morpho sulkowskyi</i>		Occurs	--	--	--	--	--	
Nymphalinae	Brushfoots							
<i>Anartia amathea</i>		Occurs	--	--	--	--	--	
<i>Baeotus deucalion</i>		Occurs	--	--	--	--	--	
<i>Hamadryas f. feronia</i>	Variable cracker	6	--	--	C	--	--	
<i>Hamadryas laodamia</i>		6	--	--	C	--	--	dark blue w light blue spots
<i>Historis acheronta</i>	Tailed cecropian	Occurs	--	--	--	--	--	
<i>Historis odius</i>		Occurs	--	--	--	--	--	
<i>Junonia genoveva</i>	Tropical buckeye	Occurs	--	--	--	--	--	
<i>Paulogramma p. peristera</i>	Peristera eighty-eight	Occurs	--	--	--	--	--	
<i>Tenemis laothoe</i>	Orange banner	Occurs	--	--	--	--	--	

Scientific Name	Common Name	Habitat			Abundance			Notes
		MS	P	S	MS	P	S	
Satyrinae	Satyrns, Clearwings							
<i>Bia atalanta</i>		Occurs	--	--	--	--	--	
<i>Cepheptychia cephus</i>		Occurs	--	--	--	--	--	
<i>Chloreuptychia arnaea</i>		Occurs	--	--	--	--	--	
<i>Cissia terrestris</i>		Occurs	--	--	--	--	--	
<i>Cithaerias aurorina</i>	Strawberry clearwing	4	4	4	C	C	C	
<i>Euptychia westwoodi (mollis)</i>		--	--	--	--	--	--	
<i>Euptychia (Megeuptychia) tricolor</i>		Occurs	--	--	--	--	--	
<i>Haetera piera</i>	Clearwing satyr	Occurs	--	--	--	--	--	Also known as Brown clearwing
<i>Hermeuptychia sosybius</i>		Occurs	--	--	--	--	--	
<i>Manataria maculata</i>		Occurs	--	--	--	--	--	
<i>Megeuptychia libye</i>		Occurs	--	--	--	--	--	
<i>Pareuptychia hermes</i>		Occurs	--	--	--	--	--	
<i>Pareuptychia metaleuca (Eup. binocula)</i>	Two-banded satyr	Occurs	--	--	--	--	--	
<i>Pareuptychia ocirrhocas</i>		Occurs	--	--	--	--	--	
<i>Pierella astyoche</i>	Astyoche satyr	Occurs	--	--	--	--	--	
<i>Pierella hyalina</i>		Occurs	--	--	--	--	--	
<i>Pierella lena browni</i>		Occurs	--	--	--	--	--	
<i>Pierella rhea/lamia</i>		Occurs	--	--	C	--	--	
<i>Taygetis andromeda</i>		Occurs	--	--	--	--	--	
<i>Taygetis virgillia</i>		Occurs	--	--	--	--	--	
<i>Ypthimoides benedicta</i>	Benedicta satyr	Occurs	--	--	--	--	--	
PAPILIONIDAE	SWORDTAILS & SWALLOWTAILS							
<i>Battus spp.</i>		1	--	--	R	--	--	Caterpillars imitate small snakes, even to everting ommatidia that look like snake tongues
<i>Battus crassus</i>	Crassus swallowtail	Occurs	--	--	--	--	--	
<i>Eurytides (Papilio) dolicaon</i>	Dolicaon swallowtail	Occurs	--	--	--	--	--	
<i>*Eurytides (Protesilaus) molops</i>	Molops kite-swallowtail	1,6	1,6	--	C	A	--	
<i>Grapium sp. 1</i>		6	--	--	?	--	--	
<i>Papilio thoas</i>	Thoas swallowtail	Occurs	--	--	--	--	--	
<i>Parides orellana</i>		1	--	--	R?	--	--	
<i>Priamiedes sp.</i>		Occurs	--	--	--	--	--	
PIERIDAE	WHITES, YELLOWS & SULPHURS							
<i>Aphrissa statira</i>	Statira sulphur	Occurs	--	--	--	--	--	
<i>Appias drusilla</i>	Florida white	Occurs	--	--	--	--	--	
<i>Ascia monuste</i>	Great southern white	Occurs	--	--	--	--	--	

Scientific Name	Common Name	Habitat			Abundance			Notes
		MS	P	S	MS	P	S	
<i>Dismorphia orise</i>		Occurs	--	--	--	--	--	
<i>Dismorphia rhetes</i>		Occurs	--	--	--	--	--	
<i>Eurema albula</i>	Ghost yellow	Occurs	--	--	--	--	--	
<i>Eurema daira</i>		Occurs	--	--	--	--	--	
<i>Eurema leuce</i>	Yellow with black tips	Occurs	--	--	--	--	--	
<i>Eurema proterpia</i>		Occurs	--	--	--	--	--	
<i>Kricogonia lyside</i>	Lyside sulphur	Occurs	--	--	--	--	--	
<i>Pereute sp.</i>		Occurs	--	--	--	--	--	
<i>Perhybris sp. 1</i>		6	--	--	--	--	--	
<i>Perhybris sp. 2</i>		6	--	--	--	--	--	
<i>Phoebis philea</i>		Occurs	--	--	--	--	--	
<i>Phoebis rurina</i>		Occurs	--	--	--	--	--	
<i>Phoebis sennae</i>		Occurs	--	--	--	--	--	
<i>Pseudopieris nehemia</i>		Occurs	--	--	--	--	--	

NOTABLE MOTHS

Urania sp.		1,6	--	--	C	--	--	
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