

INSECTS OF CLOUDBRIDGE

CLOUDBRIDGE SPECIES INVENTORY - CLASS INSECTA

See below for details of references used. CA = Casa Amanzimtoti. Taxonomic revisions may mean that Order, Sub-orders and superfamily groupings change. Examples of some families are preserved in alcohol at CA.

Order	Sub-Order	Superfamily	Family	Genus	Species	Common Name	Notes	Observer	Date	
Blattodea			Blattidae			Blattid Cockroaches	Present in CA.	Rosser	Nov-05	
Mantodea			Mantidae			Mantids	Individuals occasionally observed at CA at night, presumably in order to feed on light-attracted insects.	Rosser	Nov-05	
Plecoptera			Perlidae			Common Stoneflies	Observed attracted to lights at CA, presumably from the stream / river.	Rosser	Nov-05	
Thysanoptera	Terebrantia		Aeolothripidae			Banded Thrips	Collected in trap, Gavilan.	Rosser	Jan-06	
Orthoptera			Acrididae			Short-horned Grasshoppers	Common in Gavilan.	Rosser	Nov-05	
			Tettigoniidae			Long-horned Grasshoppers	Grassy areas, common.	Rosser	Nov-05	
Hemiptera	Gymnocerata		Miridae			Plant / Leaf Bugs	At least one species, very abundant in grassy areas in November. See photo. Once observed apparently using sucking mouthparts to feed off avian excrement. Sexual dimorphism.	Rosser	Nov-05	
		Scutelleroidea				Shield Bugs	Observed in long grass, River Trail Plantation.	Rosser	Nov-05	
Coleoptera	Adephaga	Caraboidea	Carabidae			Ground Beetles	Ubiquitous nocturnal ground dwellers, but individuals occasionally observed on trails during daytime.	Rosser	Nov-05	
	Polyphaga	Staphylinoidea	Staphylinidae			Rove Beetles	Relatively common, ubiquitous.	Rosser	Nov-05	
		Cantharoidea	Lycidae			Net-Winged Beetles	Individual collected on an ants nest at the base of tree in the river trail in the early afternoon 4/1/06.	Rosser	Jan-06	
		Cucujoidea	Nitidulidae			Sap Beetles	Observed in river trail primary forest and plantation, but particularly abundant in Gavilan.	Rosser	Nov-05	
		Scarabaeoidea	Scarabaidea	<i>Phyllophaga</i>	<i>Chiriquina</i> (?)	June Beetles	<i>Phyllophaga</i> sp. very abundant, and implicated as a pest species for the plantations. See photo for example.	Rosser	Nov-05	
							At least 2 more Scarabaeoidea species present in addition to the above.	Rosser	Nov-05	
	Chrysomeloidea	Chrysomelidae			Leaf Beetles	Collected in CA	Rosser	Dec-06		
Diptera	Nematocera		Psychodidae			Moth / Sand Flies	Observed at night in CA.	Rosser	Nov-05	
			Simuliidae			Black Flies	Very abundant, probably associated with proximity to water as this is where their larval stage is.	Rosser	Nov-05	
	Cyclorhapha		Tachinid			Tachinid Flies	Ubiquitous, but possibly most so in primary forest.	Rosser	Nov-05	
Lepidoptera	Frenatae		Sphingidae			Sphinx / Hawk Moths	Observed attracted to lights at CA, see photo.	Rosser	Nov-05	
Hymenoptera	Apocrita	Pelecinoidea	Peleciniidae	<i>Pelecinus</i>	<i>polyturator</i>		Observed on road to Uran, but presumed present in the reserve as are known to be most common between 1000-2000 metres altitude.	Rosser	Dec-05	
		Proctotrupoidea	Platygastridae			Platygastridae	Collected in trap, Gavilan.	Rosser	Jan-06	
		Cynipoidea	Cynipidae			Cynipid Wasps	Collected in trap, Gavilan.	Brown.	Jan-06	
		Vespoidea	Formicidae				Ants		Rosser	Nov-05
				Pompilidae			Spider Wasps	Apparently present at low densities, presumably due to their ecology. At least 3 species, see photo for typical example. Another species in alcohol at CA. Another, very large species (metallic blue/black body, dull orange wings) was observed hunting on trail near the Vivero.	Rosser	Nov-05
				Vespidae			Vespid Wasps	At least 3 species, individuals recorded from river trail primary forest and plantation and also Gavilan.	Rosser	Nov-05
	Apoidea	Apidae			Bees	species A and B) are common and widely distributed, at least in disturbed habitats.	Rosser	Nov-05		

References

Borror, D.J. and White, R.E. 1970. Insects. New York, Houghton Mifflin Company.
 National Audubon Society. 1980. Field Guide to North American Insects and Spiders, 22nd printing. New York, Chanticleer Press, Inc.
 Solis, A. 2002. Escarabajos de Costa Rica, 2nd Edition. Costa Rica, INBio.
 Ugalde, J.A. 2002, 1st Edition. Costa Rica, INBio.