

Amphibians and Reptiles of the Piedras Blancas National Park, Costa Rica

Species list with special reference to the La Gamba area

Michael Franzen¹, Dennis Kollarits²

¹ Zoologische Staatssammlung München, Münchhausenstrasse 21, D-81247 München, Germany; michael.franzen@zsm.mwn.de

² Department of Integrative Zoology, University of Vienna, Althanstraße 14, A-1090 Vienna, Austria

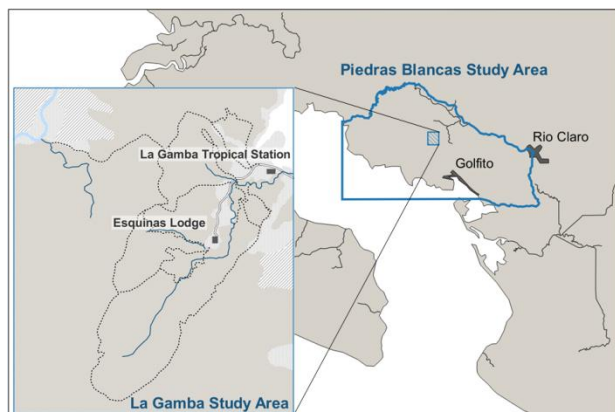
This list is a first attempt to document the herpetofaunal assemblage found in Piedras Blancas National Park, which is located in the southwestern Pacific zone of Costa Rica.

We defined an area which is outlined by the Esquinas river and the Carretera Interamericana in the north and the Carretera 14 from Rio Claro to Golfito in the east, including the coastal waters of the Golfo Dulce between the mouth of the Rio Esquinas and Golfito. This area covers the reserves of the Parque Nacional Piedras Blancas and the Refugio Nacional de Fauna Silvestre Golfito, as well as unprotected buffer zones of agricultural areas located south of the Interamericana and west

secondary data from literature (i.e. Gallmetzer & Schulze 2015), other researchers, visitors, and residents (currently amounting to 1.100+ georeferenced species records).

Data for the Piedras Blancas area was obtained from literature and are mainly based on the distribution maps of Savage (2002), with additions from Kubicki (2007) and Bessesen (2010, 2011).

The currently known herpetofaunal assemblage of this area comprises 123 species, 86 of them recorded from La Gamba.



of the Carretera 14.

Our field work was focused in the area surrounding La Gamba Tropical Station (operated by the University of Vienna, www.lagamba.univie.ac.at), which included the trail system of the Esquinas Lodge and the association 'Rainforest of the Austrians' (3.4 km²).

The resulting list is mainly based on our surveys from 2011-2015, but also includes reliable

References

Bessesen, B.L. (2010): Project report and summary of multi-species marine sighting survey in Golfo Dulce, Costa Rica, January – February 2010. Unpublished report, Osa Conservation, Washington, Pto. Jimenez.

Bessesen, B.L. (2011): Rainy season extension of the multi-species marine sighting survey in Golfo Dulce, Costa Rica, July – August 2011. Final report and comparative summary. Unpublished report, Osa Conservation, Washington, Pto. Jimenez.

Gallmetzer, N., Schulze, C.H. (2015): Impact of oil palm agriculture on understory amphibians and reptiles: A Mesoamerican perspective. *Global Ecology and Conservation* 4: 95–109.

Kubicki, B. (2007): *Ranas de vidrio Costa Rica glass frogs*. - San Jose, Inbio.

Savage, J.M. (2002): *The amphibians and reptiles of Costa Rica*. University of Chicago Press, Chicago.

Species List

Species	Vernacular names	La Gamba
Amphibians		
Caecilians		
Family Caeciliidae		
Gymnopsis multiplicata	Purple Caecilian; Dos cabezas, Solda con solda, Suelo con suelos	x
Oscaecilia osae	Caecilian; Dos cabezas, Solda con solda, Suelo con suelos	x
Salamanders		
Family Plethodontidae		
Bolitoglossa lignicolor	Salamander; Salamandra	x
Oedipina alleni	Allen's Tropical Worm Salamander; Salamandra	x
<i>Oedipina pacificensis</i>	Pacific Tropical Worm Salamander; Salamandra	
Frogs and toads		
Family Bufonidae		
Incilius aucoinae	Rain Forest Toad; Sapo del bosque lluvioso	x
Incilius coniferus	Green Climbing Toad; Sapo verde arboricola	x
Rhaebo haematiticus	Litter Toad; Sapo hojarasquero	x
Rhinella marina	Cane Toad, Marine Toad; Sapo comun	x
Family Centrolenidae		
Cochranella granulosa	Granular Glass Frog; Rana de vidrio granular	x
Espadarana prosoblepon	Emerald Glass Frog; Rana de vidrio esmeralda	x
<i>Hyalinobatrachium colymbiphylum</i>	Cricket Glass Frog; Rana de vidrio grillo	
Hyalinobatrachium valerioi	Reticulated Glass Frog; Rana de vidrio reticulada	x
Sachatamia albomaculata	Spotted Glass Frog; Rana de vidrio punteada, Rana de vidrio de cascada	x
Teratohyla pulverata	Speckled Glass Frog; Rana de vidrio manchada	x
Family Dendrobatidae		
Allobates talamancae	Talamanca Rocket Frog; Rana cohete de Talamanca	x
Dendrobates auratus	Green & Black Poison Frog; Rana venenos verdinegra	x
Oophaga granulifera	Granular Poison Frog; Rana venenosa granulada	
Phyllobates vittatus	Golfo Dulce Poison Frog; Rana venenosa de Golfo Dulce	
Silverstoneia flotor	Lowland Rocket Frog; Rana brincadora de bajura	x
Family Hylidae		
Agalychnis callidryas	Red-Eyed Leaf Frog; Rana de hoja de ojos rojos	x
Agalychnis spurrelli	Gliding Leaf Frog; Rana	x
Dendropsophus ebraccatus	Hourglass Treefrog, Harlequin Treefrog ; Rana arboricola manchada	x
Dendropsophus microcephalus	Yellow Tree Frog; Rana arboricola amarilla	x
Hypsiboas rosenbergi	Rosenberg's Treefrog; Rana arboricola de Rosenberg	x
Scinax boulengeri	Boulenger's Snouted Treefrog; Rana arboricola narizona	x
Scinax elaeochrous	Olive Snouted / Narrow-headed Treefrog; Rana arboricola cabezapequena	x
Smilisca phaeota	Masked Treefrog; Rana arboricola enmascarada	x
<i>Smilisca sila</i>	Pugnosed Frog; Rana arboricola nata	
Smilisca sordida	Drab Treefrog; Rana	x

Species	Vernacular names	La Gamba
Family Ranidae		
Lithobates warszewitschii	Brilliant Forest Frog; Rana Coral	x
Family Leptodactylidae		
Engystomops pustulosus	Tungara Frog; Sapito tungara	x
Leptodactylus fragilis	Mexican White-lipped Frog; Rana, sapo	x
Leptodactylus insularum	Marbled Foam Frog; Rana espumosa de marmol	x
Leptodactylus melanonotus	Fringe-toed Foam Frog; Rana, sapo	
Leptodactylus poecilochilus	White-lipped Frog, Thin Toed Frog; Rana, sapo	
Leptodactylus savagei	Savage's Thin-toed Frog; Smoky Jungle Frog; Rana de toro	x
Family Craugastoridae		
Craugastor crassidigitus	Isla Bonita Robber Frog, Slim-fingered Rainfrog; Ranita, sapito	x
Craugastor fitzingeri	Common Rain Frog, Fitzinger's Rain Frog; Rana de lluvia comun	x
Craugastor rugosus	Rain frog, Robber Frog; Ranita, sapito	
Craugastor stejnegerianus	Stejneger's Rain Frog; Rana de lluvia de Stejneger	x
Craugastor taurus	Rain frog, Robber Frog; Ranita, sapito	
Family Eleutherodactylidae		
Diasporus diastema	Common Dink Frog; Rana campanilla comun	x
Diasporus vocator	Vocal Dink Frog; Rana campanilla vocal	x
Family Strabomantidae		
Pristimantis cruentus	Golden-groined Robber Frog; Rana ladrona muslidora	x
Pristimantis ridens	Rain frog; Robber Frog; Ranita, sapito	
Reptiles		
Lizards		
Family Corytophanidae		
Basiliscus basiliscus	Common Basilisk; Basilisco común	x
Basiliscus plumifrons	Green Basiisk; Basilisco Esmeralda	
Corytophanes cristatus	Smoothhead Helmeted Basilisk; Lagartijo perro zompopo	x
Family Dactyloidae		
Anolis aquaticus	Water Anole; Lagartija, anolis	x
Anolis biporcatus	Giant Green Anole; Abaniquillo verde	x
Anolis capito	Bighead Anole; Abaniquillo jaspeado	x
Anolis charlesmyersi	Anole Lizard; Lagartija, anolis	x
Anolis lemurinus	Ghost Anole; Abaniquillo lemurino	x
Anolis limifrons	Slender Anole, Border Anole; Lagartija, anolis	x
Anolis polylepsis	Many-scaled Anole; Lagartija, anolis	x
Family Iguanidae		
Ctenosaura similis	Spiny-tailed Iguana; Garrobo	
Iguana iguana	Green Iguana; Iguana verde	x
Family Anguidae		
Coloptychon rhombifer	Lowland Alligator Lizard; Lagartija caimán	
Family Gekkonidae		
Gonatodes albogularis	Yellow Headed Gecko; Geco cabeza amarilla	x
Hemidactylus frenatus	Bridled Gecko; Geco de frenillo	x
Hemidactylus garnotii	Garnot's Gecko; Geco de Garnot	

Species	Vernacular names	La Gamba
<i>Lepidodactylus lugubris</i>	Dark House Gecko; Geco de casa lúgubre	
Thecadactylus rapicauda	Turnip Tail Gecko; Geco escorpión	x
Family Sphaerodactylidae		
Lepidoblepharis xanthostigma	Orange-tailed Gecko; Geco cola anaranjada	
Sphaerodactylus graptolaemus	Marked-throated Pigmy Gecko; Geco enano gorgimanchado	x
Family Teiidae		
Holcosus festivus	Central American Ameiva; Ameiva de Centroamérica	x
Holcosus leptophrys	Blotched-flanck Ameiva; Ameiva flanquimanchada	x
Holcosus quadrilineatus	Four-lined Ameiva; Ameiva de cuatro líneas	x
Family Gymnophthalmidae		
<i>Gymnophthalmus speciosus</i>	Golden Spectacled Lizard; Lagartija dorada	
Leposoma southi	Keeled Leaf-litter Lizard; Lagartija quillada de hojarasca	x
<i>Potamites apodemus</i>	Uzzell's Neusticurus; Lagartija	
<i>Ptychoglossus plicatus</i>	Taylor's Largescale Lizard; Lagartija	
Family Scincidae		
Marisora unimarginata	Bronze-backed Skink; Esquinco espalda dorada	x
Scincella cherriei	Brown Forest Skink; Esquinco de bosque café	x
Family Xantusiidae		
<i>Lepidophyma reticulatum</i>	Reticulated Night Lizard; Lagartija nocturna reticulada	
Snakes		
Family Boidae		
Boa constrictor	Boa constrictor; Boa constrictor, Bécquer	x
<i>Corallus ruschenbergii</i>	Northern Treeboa; Boa arborícola norteña	
Family Ungaliophiidae		
<i>Ungaliophis panamensis</i>	Southern Bromeliad Boa; Boa de la bromelias	
Family Colubridae		
Chironius carinatus	Keeled Whipsnake; Serpiente de látigo quillada	x
Chironius grandisquamis	Shiny Whipsnake; Serpiente de látigo negra	
Dendrophidion percarinatum	Brown Forest Racer; Corredora café	x
<i>Drymobius rhombifer</i>	Blotched Racer; Ranera manchada	
Leptophis ahaetulla	Giant Parrotsnake; Bejuquillo verde	x
<i>Leptophis depressirostris</i>	Golden-eyed Parrotsnake; Lora falsa de ojos dorados	
<i>Leptophis nebulosus</i>	Yellow-lipped Parrotsnake; Lora falsa enana	
Mastigodryas melanolomus	Olive Lizard Eater; Lagartijera olivaceae	x
Oxybelis aeneus	Brown Vinesnake; Bejuquilillo café	x
Phrynonax poecilonotus	Northern Bird Snake; Pajarera	x
<i>Stenorrhina degenhardtii</i>	Southern Scorpion-eater; Alacranera sureña	
Tantilla ruficeps	Sriped Crowned Snake; Cabeza plana lineada	x
<i>Tantilla supracincta</i>	Coral Crowned Snake; Cabeza plana anillada	
Family Dipsadidae		
<i>Clelia clelia</i>	Common Mussarana; Zopilota común	x
Coniophanes fissidens	Brown Debris Snake; Hojarasquera café	x
Enuliophis sclateri	Sock-headed snake; Cabeza blanca	x
<i>Geophis brachycephalus</i>	Costa Rican Wormsnake; Culebra de tierra costaricense	

Species	Vernacular names	La Gamba
Imantodes cenchoa	Common Blunthead; Dormilona comun	x
Imantodes inornatus	Speckled Blunthead; Dormilona salpicada	x
Leptodeira rhombifera	Common Cat-eye; Bejuquillo ojos de gato común	x
Leptodeira septentrionalis	Northern Cat-eye; Ojos de gato nortena	x
Nothopsis rugosus	Pebble Snake; Ranera	x
Oxyrhopus petolarius	Banded Calico Snake; Gargantilla falsa	x
Rhadinæa decorata	Elegant Littersnake; Hojarasquera de vientre rojo	x
Sibon dimidiatus	Orange-ringed Snail-eater; Caracolera de bandas anaranjadas	x
Sibon nebulatus	Common Snail-eater; Caracolera común	x
Siphlophis compressus	Red-eyed Treesnake; Culebra de ojos rojos	x
Xenodon rabdocephalus	False Fer-de-Lance; Falsa terciopelo	
Family Elapidae		
Hydrophis platurus	Yellow-bellied Seasnake; Serpiente de mar	
Micrurus alleni	Allen's Coralsnake; Coral gigante de agua	x
Micrurus clarki	Clark's Coralsnake; Coral de labios manchados	x
Family Viperidae		
Bothriechis schlegelii	Eyelash Palm-pitviper; Toboba de pestaña	x
Bothrops asper	Fer-de-Lance; Terciopelo	x
Lachesis melanocephala	Black-headed Bushmaster; Cascabela muda	x
Porthidium porrasii	White-tailed Hog-nosed Pitviper; Tamagá de cola blanca	x
Crocodiles		
Family Alligatoridae		
Caiman crocodilus	Spectacled Caiman; Lagarto, Baba	x
Family Crocodylidae		
Crocodylus acutus	American Crocodile; Lagarto negro	
Turtles		
Family Cheloniidae		
Chelonia mydas	Green Turtle; Tortuga verde, Tora	
Eretmochelys imbricata	Pacific Hawksbill; Carey	
Lepidochelys olivacea	Olive Ridley; Lora, Carpintera	
Family Chelydridae		
Chelydra acutirostris	Common Snapping Turtle; Tortuga lagarto	x
Family Emydidae		
Trachemys venusta	Tropical Slider; Tortuga resbaladora	
Family Kinosternidae		
Kinosternum leucostomum	White-lipped Mud Turtle; Tortuga candado amarilla	x
Kinosternum scorpioides	Scorpion Mud Turtle; Tortuga candado escorpión	