

CDF Checklist of Galapagos Amphibians

Gustavo Jiménez-Uzcátegui, Cruz Márquez, Howard L. Snell

Last updated: 22 Nov 2012

Abstract

This Checklist of Galapagos Amphibians includes a total of all 2 taxa reported from the Galapagos Islands.

For each name, detailed information is provided: its Galapagos distribution in islands groups or bioregions generated from the specimen records, comments about the taxonomy (especially synonyms), the origin (native and introduced), taxon status (accepted vs. rejected records) and relevant literature references.

Introduction

This publication lists all species of Galapagos Amphibians currently known.

Amphibians live on land and in water.

Typically, the young live as tadpoles in the water because they have gills. They undergo metamorphosis becoming adults when the gills develop into lungs.

No native amphibians exist in Galapagos. Both species found here today were introduced from the continent.

Methods

This checklist of all known Galapagos Amphibians is automatically generated using the online database of the Charles Darwin Foundation Galapagos Species Checklist.

All CDF Galapagos Species Checklists represent the synthesis of many different records: literature citations, data from previously unpublished reports (grey literature), specimen records of natural history collections located in Galapagos and all over the world. To the best of their knowledge authors of the individual checklists revised all available data. When new information becomes available, the taxonomy of a group changes or new species are discovered, the CDF online database and thus this publication becomes updated.

For many poorly known species groups the higher taxonomic classification still regularly changes according to how our knowledge about species being related changes. In many well known groups the phylogeny is somewhat stable, but to avoid confusion, in particular for groups where taxonomic changes are frequent, all checklists presented here are sorted alphabetical according to genus name and specific epithet. Please refer to the website for the currently accepted taxonomic hierarchy of each group.

Please be aware that the distribution presented here is automatically generated from specimen records and does not always accurately reflect the known distribution for all species.

For marine species, the distribution generally refers to the five main bioregions of the archipelago (Far Northern, Northern, Western, South Eastern and the Elisabeth Bay Bioregion). For the terrestrial species more than 120 islands, islets and small rocks have been aggregated into Islands Groups, thus, for example, the island group "Santa Cruz" includes smaller islands like Santa Fé, Plaza Norte,

Plaza Sur, Baltra, Daphne Mayor, Daphne Minor, and others.

IUCN red-list assessments presented here may deviate from the global IUCN list for the following reasons:

- for well known species groups like vascular plants or vertebrates updates proposed to the IUCN are shown instead of the outdated, but currently accepted status;
- for poorly known species groups (e.g., lichenized fungi) a general assessment is currently not possible and the list presented here is a regional red-list list for Galapagos archipelago.

Numbers of the species included in this list are auto-generated. Adding up the number of species in each category will not always equal the total number indicated. Some species have insufficient data to be categorized while others (e.g., category eradicated) will not be included in the total.

Results

Names of taxa included in this checklist: 2 (2 accepted).

Origin of the taxa included: 1 accidental, 1 intercepted.

1. *Rhinella marina* (Linnaeus, 1758)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Bufo sp.; Rana marina, Linnaeus, 1758; Bufo marinus (Linnaeus, 1758), Rhinella marinus (Linnaeus, 1758); Bufo brasiliensis Laurenti, 1768; Bufo horridus Daudin, 1803; Bombinator maculatus Merrem, 1820; Bufo albicans Spix, 1824; Bufo lazarus Spix, 1824; Bufo horribilis Wiegmann, 1833; Bufo pithecodactylus Werner, 1899; Bufo angustipes Taylor & Smith, 1945; Bufo pythecodactylus Werner, 1961

Origin: Introduced, Intercepted.

Galapagos Distribution: San Cristóbal.

References: Jiménez-Uzcátegui, G. et al. (2007).

2. *Scinax quinefasciatus* Fowler, 1913

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Introduced, Accidental.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Jiménez-Uzcátegui, G. et al. (2007), Patry, M. et al. (2002), Snell, H.L. et al. (1999), Tapia, W. et al. (2000), Vintimilla, J.E. et al. (2005).

Acknowledgements

We are grateful for the financial report received for this project. Please refer to the website (www.darwinfoundation.org/datazone/checklist/) for a detailed list of all our donors.

This checklist would not be possible without adjunct and collaborating scientists, and volunteers of the Charles Darwin Foundation. The following scientists and volunteers have contributed to the CDF Checklist of Galapagos Amphibians: Paola Buitrón, Brian Cooke, Sandra Landázuri, Javier Zabala.

References

1. Jiménez-Uzcátegui, G., Carrión, V., Zabala, J., Buitrón, P. & Milstead, B. (2007) *Status of introduced vertebrates in Galapagos*. Galapagos Report 2006–2007. Charles Darwin Foundation, Puerto Ayora, p. 136–141.

2. Patry, M. (2002) *Estatus de vertebrados introducidos en las islas mayores de Galápagos y estrategias de manejo*. En: Fundación Natura: Informe Galápagos 2001-2002. Quito, Ecuador.
3. Snell, H.L., Márquez, C. (1999) *A new class of vertebrates established in Galápagos*. Distributed by e-mail and through the internet.
4. Tapia, W., Patry, M., Snell, H. & Carrión, V. (2000) *Estado actual de los vertebrados introducidos a las islas Galápagos*. Fundación Natura: Informe Galápagos 1999-2000. Quito, Ecuador.
5. Vintimilla, J.E. (2005) *Estudios para el control y disminución de ranas Scinax quinquefasciatus, con impactos mínimos en los Humedales de Isabela Sur (Islas Galapagos)*. Tesis previa a la obtención del título de Ingeniero Agrónomo. Universidad de Cuenca. Cuenca, Ecuador, 71pp.

Disclaimer

The Charles Darwin Foundation Galapagos Species Checklist is a continuously updated list of all species currently known from the Galapagos Islands and reflects up-to-date knowledge compiled by scientists of the Charles Darwin Foundation (CDF) in collaboration with experts from around the world. CDF shares this data publicly and invites comments, corrections and additions.

Please do not hesitate to contact us; your input is very welcome. However, please understand that additions, changes, and corrections will be posted at periodic intervals after thorough cross-referencing of all new data. As an independent international scientific organization, the Charles Darwin Foundation relies on funding from donors who support our work. Please contact us at datazone@fcdarwin.org.ec if you would like to support the Charles Darwin Foundation Galapagos Species Checklist and help make knowledge of Galapagos biodiversity more widely available.