

CDF Checklist of Galapagos Dragonflies and Damselflies

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Abstract

This Checklist of Galapagos Dragonflies and Damselflies includes a total of all 10 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 Dragonflies and Damselflies currently known.

The Odonata are **dragonflies** (Anisoptera) and **damselflies** (Zygoptera).

These insects are characterized by rounded heads with large well-developed, compound eyes and elongated abdomens. Excellent fliers, their two pairs of long, translucent wings move independently and their legs are optimized to catch other insects in flight.

Methods

This checklist of all known Galapagos Dragonflies and Damselflies 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Species Checklists represent the synthesis of many different records: literature citations, data from previously unpublished reports (grey literature), specimen records of natural history collections located in Galapagos and all over the world.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: 10 (10 accepted).

Origin of the taxa included: 1 questionable native, 1 endemic, 8 indigenous.

1. *Aeshna galapagoensis* Currie, 1901

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Gerecke, R. et al. (1995), Linsley, E.G. et al. (1966), Peck, S.B. et al. (2001), Peck, S.B. et al. (1992).

2. *Anax amazili* (Burmeister, 1839)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz, Santiago.

References: Gerecke, R. et al. (1995), Gloger, H. et al. (1964), Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Parkin, P. et al. (1972), Peck, S.B. et al. (2001), Peck, S.B. et al. (1992).

3. *Brachymesia herbida* (Gundlach, 1889)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cannacria batesii*, *C. fumipennis*

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Santa Cruz.

References: Gerecke, R. et al. (1995), Linsley, E.G. et al. (1977), Peck, S.B. et al. (2001), Peck, S.B. et al. (1992).

4. *Erythemis vesiculosa* (Fabricius, 1775)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Santa Cruz.

References: Peck, S.B. et al. (2001).

5. *Ischnura hastatum* (Say, 1839)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Peck, S.B. et al. (2001).

6. *Macrodiplax balteata* Hagen, 1861

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Introduced, Questionable Native.

Galapagos Distribution: Isabela, Santa Cruz.

References: Peck, S.B. et al. (2001).

7. *Pantala flavescens* (Fabricius, 1798)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Currie, R.P. et al. (1901), Gerecke, R. et al. (1995), Gloger, H. et al. (1964), Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Peck, S.B. et al. (2001), Peck, S.B. et al. (1992).

8. *Pantala hymenaea* (Say, 1839)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Española, Floreana, Isabela, Santa Cruz, Santiago.

References: Currie, R.P. et al. (1901), Gerecke, R. et al. (1995), Gloger, H. et al. (1964), Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1992).

9. *Tamea calverti* Muttkowski

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Floreana, Santa Cruz.

References: Gerecke, R. et al. (1995), Peck, S.B. et al. (2001), Peck, S.B. et al. (1992).

10. *Tamea cophysa darwini* Calvert, 1947a

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Tamea darwini*

Origin: Native, Indigenous.

Galapagos Distribution: Española, Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Gerecke, R. et al. (1995), Gloger, H. et al. (1964), Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Peck, S.B. et al. (2001), Peck, S.B. et al. (1992).

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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.

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