

CDF Checklist of Galapagos Terrestrial Crustaceans

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Abstract

This Checklist of Galapagos Terrestrial Crustaceans includes a total of all 60 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 Terrestrial Crustaceans currently known.

Methods

This checklist of all known Galapagos Terrestrial Crustaceans 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Species Checklists represent the synthesis of many different records: literature citations, data from previously unpublished reports (grey literature), specimen records of natural history collections located in Galapagos and all over the world.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: 60 (50 accepted, 7 unidentified taxon, 2 doubtful, 1 problematic).

Origin of the taxa included: 5 accidental, 24 endemic, 19 indigenous.

1. *Anchialella vulcanella* J.L. Barnard, 1979

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Barnard, J.L. et al. (1991), Barnard, J.L. et al. (1979), Iliffe, T.M. et al. (1991), Peck, S.B. et al. (1994), Peck, S.B. et al. (1990).

2. *Anchistrocheles darwini* Maddocks & Iliffe, 1991

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

3. *Antronicippe serrata* Stock & Iliffe, 1990

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Iliffe, T.M. et al. (1991), Peck, S.B. et al. (1994), Peck, S.B. et al. (1990), Stock, J.H. et al. (1989).

4. *Artemia salina* (Linnaeus, 1758)

Taxon status: Accepted name; taxon occurs in Galapagos.

The report of *Chirocephalus* brine shrimps mentioned by Hickin (1979: 215) from Isla San Cristóbal probably refers to *Artemia salina*, because the family Chirocephalidae occurs only in the northern hemisphere (Peck, 1994).

Origin: No Data.

Galapagos Distribution: Santiago.

References: Gerecke, R. et al. (1995), Hickin, N. et al. (1979), Peck, S.B. et al. (1994).

5. *Caenobita compressus* (Guérin-Méneville, ?)

Taxon status: Taxonomic status unresolved or unrevised.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

6. *Calcinus explorator* Boone, 1932
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Darwin, Isabela, San Cristóbal, Santa Cruz.
References: Hickman, C.P. Jr. et al. (2000), Peck, S.B. et al. (1994).
7. *Chelorchestia costaricana* (Stebbing, 1906)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Gerecke, R. et al. (1995), Peck, S.B. et al. (1994).
8. *Chelorchestia vaggala* (Bowman, 1977)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Orchestia vaggala* Bowman, 1977
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Bowman, T.E. et al. (1977), Gerecke, R. et al. (1995), Peck, S.B. et al. (1994).
9. *Chlamydotheca mexicana* Sharpe, 1903
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
10. *Clausocalanus sp. 2*
Taxon status: Taxon not identified to species, subspecies, form or variety.
Peck (1994): The genus is normally pelagic and marine, so this record needs verification.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
11. *Colombophiloscia naevigesta* Vandel, 1968
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1990), Peck, S.B. et al. (1986), Peck, S.B. et al. (1986).
12. *Corycaeus sp. 2*
Taxon status: Taxon not identified to species, subspecies, form or variety.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).

13. *Cypricercus cf. mucronata* (Sars, 1901)
Taxon status: The identification of this taxon or its occurrence in Galapagos is doubtful.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
14. *Cyprideis stenopora* Triebel, 1956
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Gerecke, R. et al. (1995), Peck, S.B. et al. (1994), Triebel, E. et al. (1953).
15. *Cytherella sp.*
Taxon status: Taxon not identified to species, subspecies, form or variety.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
16. *Danielopolina styx* Kornicker & Iliffe, 1989
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Boxshall, G.A. et al. (1990), Iliffe, T.M. et al. (1991), Peck, S.B. et al. (1994).
17. *Dendrocephalus sarmentosus* Pereira & Belk, 1987
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Brendonck, L. et al. (1990), Gerecke, R. et al. (1995), Peck, S.B. et al. (1994), Pereira, G. et al. (1987).
18. *Dolerocypria ensigera* Maddocks 1992
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
19. *Enantiopsis sp.*
Taxon status: Taxon not identified to species, subspecies, form or variety.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).

20. *Eucyclops agilis agg.* (Koch, ?)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
21. *Eulimnadia sp. (aff. cylindrova)* Belk, 1989
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Brendonck, L. et al. (1990), Gerecke, R. et al. (1995), Peck, S.B. et al. (1994).
22. *Expansophria galapagensis* Boxshall & Iliffe, 1990
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Boxshall, G.A. et al. (1990), Iliffe, T.M. et al. (1991), Peck, S.B. et al. (1994).
23. *Galapsiellus leleuporum* (Monod, 1970)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Paraniphargus leleuporum* Monod, 1970 (basionym), fide Appeltans et al. (2010), *Galapsiellus leleuporum*
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Barnard, J.L. et al. (1976), Barnard, J.L. et al. (1991), Barnard, J.L. et al. (1979), Boxshall, G.A. et al. (1990), Iliffe, T.M. et al. (1991), Peck, S.B. et al. (1994), Peck, S.B. et al. (1990), Stock, J.H. et al. (1989).
24. *Garthiope anchialina* Guinot & Iliffe, 1991
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
25. *Geograpsus lividus* (H. Milne-Edwards, 1837)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Geograpsus occidentalis* Stimpson, 1860, *Grapsus brevipes* H. Milne Edwards, 1853, *Grapsus lividus* H. Milne Edwards, 1837, *Orthograpsus hillii* Kingsley, 1880, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Fernandina, Isabela, Santa Cruz.
References: Appeltans, W. et al. (2010), Garth, J.S. et al. (1991), Hickman, C.P. Jr. et al. (2000), IUCN et al. (2010), Peck, S.B. et al. (1994).

26. *Grapsus grapsus* (Linnaeus, 1758)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Cancer grapsus* Linnaeus, 1758, *Cancer jumpibus* Swire, 1938, *Grapsus altifrons* Stimpson, 1860, *Grapsus maculatus* H. Milne Edwards, 1853, *Grapsus ornatus* H. Milne Edwards, 1853, *Grapsus pictus* Lamarck, 1801, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Garth, J.S. et al. (1991), Hickin, N. et al. (1979), Hickman, C.P. Jr. et al. (2000), IUCN et al. (2010), Peck, S.B. et al. (1994).
27. *Guitonia trogliphila* Garth & Iliffe, 1992
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
28. *Hansacypris galapagoensis* Maddocks, 1992
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
29. *Iliffeocia iliffei* Maddocks,
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
30. *Kareloecia woutersi* Maddocks, 1991
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
31. *Macrobrachium hancocki* Holthuis, 1950
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.
References: Gerecke, R. et al. (1995), Hickman, C.P. Jr. et al. (2000), Peck, S.B. et al. (1994), Wicksten, M.K. et al. (1991).
32. *Metacyclops mendocinus* Wierzejski 1892
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

33. *Metoponorthus pruinosus* (Brandt)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Introduced, Accidental.

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

34. *Microcyclops* sp.

Taxon status: Taxon not identified to species, subspecies, form or variety.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

35. *Mungava recta* Maddocks,

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

36. *Occultocythereis angusta* van den Bold, 1963

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

37. *Ocypode guadichaudii* H. Milne-Edwards & Lucas, 1843

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Appeltans, W. et al. (2010), Garth, J.S. et al. (1991), Peck, S.B. et al. (1994).

38. *Paracypris crista* Maddocks, 1986

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

39. *Paramisophria galapagensis* Ohtsuka, Fosshagen & Iliffe, 1993

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Peck, S.B. et al. (1994).

40. *Parhippolyte sp.*
Taxon status: Taxon not identified to species, subspecies, form or variety.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
41. *Porcellio laevis* Latreille, 1804
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Isabela, San Cristóbal.
42. *Porcellio scaber* Latreille, 1804
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Santa Cruz.
43. *Potimirium cf. glabra* (Kingsley, 1878)
Taxon status: The identification of this taxon or its occurrence in Galapagos is doubtful.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
44. *Prosekia galapagensis* (Andersson, 1960)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Chaetophiloscia galapagensis* Andersson, 1960 (basionym), fide Appeltans et al. (2010)
Origin: Native, Endemic.
Galapagos Distribution: Española, Floreana, Isabela, San Cristóbal, Santa Cruz.
References: Andersson, A. et al. (1960), Appeltans, W. et al. (2010).
45. *Rhyscotoides parallelus* (Budde-Lund, 1893)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Santa Cruz.
46. *Ridgewayia sp.*
Taxon status: Taxon not identified to species, subspecies, form or variety.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Peck, S.B. et al. (1994).
47. *Skogsbergia galapagensis* Kornicker & Iliffe, 1989
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Boxshall, G.A. et al. (1990), Iliffe, T.M. et al. (1991), Peck, S.B. et

al. (1994).

48. *Stenoniscus pleonalis* Aubert & Dollfus, 1890

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1990).

49. *Strandesia stocki* Broodbakker, 1983

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

50. *Talorchestia fritzi* Stebbing, 1903

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

51. *Tanais stanfordi* H. Richardson, 1901

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Sinelobus stanfordi* (H. Richardson, 1901)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1994).

52. *Trichorhina tomentosa* Budde-Lund, 1893

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Peck, S.B. et al. (1990).

53. *Triops longicaudatus* LeConte, 1846

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Española, Santa Cruz, Santiago.

References: Brendonck, L. et al. (1990), Gerecke, R. et al. (1995), Hickin, N. et al. (1979), Peck, S.B. et al. (1994).

54. *Tylos latreilli* Audouin, 1826

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Fernandina, Isabela.

55. *Typhlatya galapagensis* Monod & Cals, 1970
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Boxshall, G.A. et al. (1990), Iliffe, T.M. et al. (1991), Peck, S.B. et al. (1994), Peck, S.B. et al. (1990), Peck, S.B. et al. (1986), Peck, S.B. et al. (1986).
56. *Uca galapagensis* Rathbun, 1902
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Gelasimus macrodactylus* H. Milne Edwards & Lucas, 1843 fide Appeltans et al. 2010
Origin: Native, Endemic.
Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz, Santiago.
References: Appeltans, W. et al. (2010), Garth, J.S. et al. (1991), Peck, S.B. et al. (1994).
57. *Uca helleri* Rathbun, 1902
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Española, Fernandina, Isabela, San Cristóbal, Santa Cruz.
References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Garth, J.S. et al. (1991), Peck, S.B. et al. (1994).
58. *Valettietta cavernicola* Stock & Iliffe, 1990
Taxon status: Accepted name; taxon occurs in Galapagos.
Holotype: USNM 169018, fide Appeltans et al. (2010)
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Iliffe, T.M. et al. (1991), Peck, S.B. et al. (1994), Peck, S.B. et al. (1990), Stock, J.H. et al. (1989).
59. *Venezillo beebei* (Van Name, 1924)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Cubaris beebei* Van Name, 1924 (basionym)
Origin: Introduced, Accidental.
Galapagos Distribution: Floreana, Isabela, Santa Cruz.
References: Appeltans, W. et al. (2010), Schmalfuss, H. et al. (2003).
60. *Xestoleberis arcturi* Triebel, 1954
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Peck, S.B. et al. (1994), Triebel, E. et al. (1953).

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