

CDF Checklist of Galapagos Green Algae

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Abstract

This Checklist of Galapagos Green Algae includes a total of all 50 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 Green Algae currently known.

Green algae are characterized by chlorophyll *a* and *b*, although a few also contain other pigments, especially xanthophylls like lutein, violaxanthine, neoxanthine, and enterxanthine.

Because of the presence of these pigments, the majority of these algae are green, generally a good, first characteristic by which to identify the Chlorophyta.

Methods

This checklist of all known Galapagos Green Algae 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Species Checklists represent the synthesis of many different records: literature citations, data from previously unpublished reports (grey literature), specimen records of natural history collections located in Galapagos and all over the world.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: 50 (46 accepted, 2 unidentified taxon, 2 preliminary identification).

Origin of the taxa included: 1 questionable accidental, 5 endemic, 1 indigenous.

1. *Acrochaete viridis* (Reinke) R. Nielsen

Taxon status: Accepted name; taxon occurs in Galapagos.

Acc. name: *Ulvella viridis* (Reinke) R. Nielsen, C.J. O'Kelly & B. Wyszor fide Appeltans et al. (2010) and Guiry & Guiry (2010, 2013)

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2013), Guiry, M.D. et al. (2010).

2. *Boodleopsis pusilla* (F.S. Collins) W.R. Taylor, A.B. Joly & Bernatowicz

Taxon status: Accepted name; taxon occurs in Galapagos.

Basionym: *Dichotomosiphon pusillus* F.S. Collins 1909: 431-432. Type locality: West Indies (Silva, Basson & Moe 1996: 878)

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Dawson, E.Y. et al. (1963), Garske, L.E. et al. (2002), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964).

3. *Bryopsidella neglecta* (Berthold) H. Rietema

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Derbesia neglecta* Berthold, fide Guiry & Guiry (2010). Basionym: *Derbesia neglecta* Berthold 1880
. Mitt. Zool. Stat. Neapel 2: 77. Type locality: Naples

Origin: No Data.

Galapagos Distribution: Española, Santa Cruz.

References: Dawson, E.Y. et al. (1963), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964).

4. *Bryopsis galapagensis* W.R. Taylor

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: I. Wenman, Galapagos Islands, Ecuador (Taylor 1945: 60, 61). Type: W.R. Taylor no. 34-83;

11 Jan. 1934; intertidal in pools. Hancock Foundation (Taylor 1945: 60, 61).

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Darwin, Fernandina, Santa Cruz, Wolf.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

5. *Bryopsis hypnoides* J.V. Lamouroux

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: Mediterranean coast of France (near Cette [Sète, Hérault] fide Lamouroux, 1809c: 135

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Dawson, E.Y. et al. (1963), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964).

6. *Bryopsis indica* var. *triseriata* E.Y. Dawson

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: A single well-developed tuft on a violently surf-beaten rocky shelf on the seaward side of the point at Punta Suarez, Hood Island. Type: Dawson 22450, 1 March 1962

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Española, Floreana.

References: Appeltans, W. et al. (2010), Dawson, E.Y. et al. (1963), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964).

7. *Bryopsis maxima* Okamura

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011).

8. *Bryopsis pennata* var. *minor* J. Agardh

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Bryopsis pennatula* J. Agardh, fide Guiry & Guiry (2010). Farlow 1902: 89, as *Bryopsis ramulosa* Montagne (fide Taylor 1945). Taylor 1945: 61-62, as *Bryopsis pennatula* J. Agardh. Basionym: *Bryopsis pennatula* J. Agardh, 1847: 6. Type locality: San Agustín, Oaxaca, Mexico. Note: *Bryopsis pennatula* was cited in the protologue of *B. pennata* var. *minor* so that the two names have the same type (Silva et al. 1996: 807).

Origin: No Data.

Galapagos Distribution: Floreana, Santa Cruz.

References: Agardh, J.G. et al. (1887), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964).

9. *Bryopsis ramulosa* Montagne
Taxon status: Identification not yet confirmed.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Farlow, W.G. et al. (1902), Guiry, M.D. et al. (2010).
10. *Caulerpa peltata* J.V. Lamouroux
Taxon status: Accepted name; taxon occurs in Galapagos.
Type locality: Antilles, West Indies (Silva, Basson & Moe 1996: 828).
Origin: No Data.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Floreana, Isabela, Santa Cruz.
References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).
11. *Caulerpa racemosa* (Forsskål) J. Agardh
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Caulerpa racemosa* var. *uvifera* (C. Agardh) J. Agardh, fide Guiry & Guiry (2010). Basionym: *Fucus racemosus* Forsskål 1775: 191. Type locality: Suez, Egypt (Silva, Basson & Moe 1996: 832)
Origin: No Data.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Darwin, Fernandina, Floreana, Isabela, Santa Cruz.
References: Appeltans, W. et al. (2010), Farlow, W.G. et al. (1902), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).
12. *Caulerpa racemosa* var. *occidentalis* (J. Agardh) Børgesen, 1907
Taxon status: Accepted name; taxon occurs in Galapagos.
Basionym: *Caulerpa chamnitzia* var. *occidentalis* J. Agardh 1873: 37. Type locality: upper Gulf of Mexico to Recife, Brazil (Silva, Basson & Moe 1996: 837).
Origin: Introduced, Questionable Accidental.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Fernandina, Santa Cruz.
References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).
13. *Caulerpella ambigua* (Okamura) Prud'homme van Reine & Lokhorst
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Caulerpa vickersiae* Børgesen, fide Guiry & Guiry (2010); Miller (2011) treats *Caulerpa ambigua* Okamura as the accepted name of this taxon.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Dawson, E.Y. et al. (1963), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011).

14. *Chaetomorpha antennina* (Bory) Kützing

Taxon status: Accepted name; taxon occurs in Galapagos.

Basionym: *Conferva antennina* Bory de Saint-Vincent, 1804a: 381 Type locality: Réunion.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Floreana, Isabela, Santa Cruz.

References: Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

15. *Chaetomorpha brachygona* var. *crassipellita* W.R. Taylor

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: Banks Bay, I. Isabela, Galápagos Islands, Ecuador (Taylor 1945: 53). Holotype: W.R. Taylor no. 34-133; 13 Jan. 1934; in a lagoon south of Banks Bay. Hancock Foundation (Taylor 1945: 53).

Origin: Native, Endemic.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964).

16. *Chaetomorpha linum* (O.F. Müller) Kützing

Taxon status: Accepted name; taxon occurs in Galapagos.

Basionym: *Conferva linum* O.F. Müller, 1778: 7, pl. 771(2). Syntype localities: Nagskov and Rødby, Denmark

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

17. *Chlorodesmis hildebrandtii* A. Gepp & E.S. Gepp

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011).

18. *Cladophora perpusilla* Skottsberg & Levring

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: Masatierra, Juan Fernandez Is.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964).

19. *Cladophora prolifera* (Roth) Kützing

Taxon status: Accepted name; taxon occurs in Galapagos.

Basionym: *Conferva prolifera* Roth, 1797: 182--183, pl. III: fig. 2. Type locality: "in mare Corsicam".

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Española, Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

20. *Cladophora* sp.

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

Origin: No Data.

Galapagos Distribution: Unknown.

21. *Codium brandegeei* Setchell & N.L. Gardner

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Codium cervicorne* Setchell & N.L. Gardner, fide Guiry & Guiry (2010)

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010).

22. *Codium dichotomum* S.F. Gray

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Isabela.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010).

23. *Codium fernandezianum* Setchell

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: Juan Fernandez Is.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Floreana.

References: Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Taylor, W.R. et al. (1945).

24. *Codium foveolatum* M.A. Howe

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: Lobos de Afuera, Peru.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Isabela.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Taylor, W.R. et al. (1945).

25. *Codium isabelae* W.R. Taylor

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Codium santamariae* W.R. Taylor; Type locality: Head of Tagus Cove, I. Isabela, Galápagos Islands, Ecuador (Taylor 1945: 70). Holotype: W.R. Taylor no. 34-152; 14 Jan. 1934; very small plants on the littoral rocks at the head of Tagus Cove. Hancock Foundation (Taylor 1945: 70). Notes: Type: fertile (Taylor, 1945).

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Fernandina, Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Taylor, W.R. et al. (1945).

26. *Codium setchellii* N.L. Gardner

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Genovesa.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010).

27. *Derbesia hollenbergii* W.R. Taylor

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: Black Beach Anchorage, Isla Santa María, Galápagos, Ecuador (Taylor 1945: 75, 76).

Holotype: W.R. Taylor no. 34-264; 18 Jan. 1934; Hancock Foundation (Taylor 1945: 75, 76). Note: The gametophyte of this species is not known (Silva et al. 1996: 810).

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

28. *Derbesia marina* (Lyngbye) Solier

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: *Vaucheria marina* Lyngbye 1819: 79, pl. 22A (sporophyte). Type locality: Kvivig, Strømø, Faeroes (Silva et al. 1996: 810)

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Española, Santa Cruz.

References: Appeltans, W. et al. (2010), Dawson, E.Y. et al. (1963), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964).

29. *Derbesia prolifica* W.R. Taylor

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: Gardner Bay, Isla Española, Galápagos Islands, Ecuador (Taylor 1945: 75). Holotype: W.R. Taylor no. 34-425; 31 Jan. 1934; intertidal pools on an islet. Hancock Foundation (Taylor 1945: 75).

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

30. *Entocladia thivyae* O'Kelly & Yarish

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Ectochaete perforans Thivy 1945, fide Guiry & Guiry (2010)

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), O'Kelly et al. (1981), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

31. *Oedogonium* sp.

Taxon status: Identification not yet confirmed.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Farlow, W.G. et al. (1902), Guiry, M.D. et al. (2010).

32. *Parvocaulis parvulus* (Solms-Laubach) S. Berger, U. Fettweiss, S. Gleissberg, L. B. Liddle, U. Richter, H. Sawitsky & G.C. Zuccarello

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Acetabularia parvula Solms-Laubach, A. moebii Solms-Laubach, fide Berger et al. (2003). Basionym: Acetabularia parvula Solms-Laubach 1895: 29, pl. 2: figs. 3, 5. Syntype localities: 'Tropical India'; Celebes, Indonesia (Silva, Basson & Moe 1996: 893)

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Berger, S. et al. (2003), Dawson, E.Y. et al. (1963), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964).

33. *Phaeophila dendroides* (P.L. Crouan & H.M. Crouan) Batters

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Phaeophila engleri Reinke, fide Guiry & Guiry (2010). Basionym: Ochlochaete dendroides P.L. Crouan & H.M. Crouan 1852: no. 346. Type locality: Brest, Finistère, France. (Silva, Basson & Moe 1996: 726).

Note: On the basis of ultrastructural features of the quadriflagellate zoospores of this species, Chappell et al. (1990) removed Phaeophila from a tentative position alongside members of the Ulvellaceae to its own family and order. The diagnostic characters include the presence of simple, convex terminal caps on the anteriormost pair of flagellar basal bodies and the formation of zoospores by simultaneous cleavage of multinucleate zoosporangial initials. O'Kelly & Yarish (1981a) recognized only one species of Phaeophila in contrast to Nielsen (1972), who added to the genus 11 species previously assigned to Ectochaete (Huber) Wille (1909 [1909--1910]: 79) (Endoderma sect. Ectochaete Huber, 1893: 319, 326)

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

34. *Rhizoclonium crassellitum* var. *robustum* G.S. West
Taxon status: Accepted name; taxon occurs in Galapagos.
Type locality: Barbados, Porter's Estate
Origin: No Data.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).
35. *Rhizoclonium implexum* (Dillwyn) Kützing
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Rhizoclonium riparium* var. *implexum* (Dillwyn) Rosenvinge, fide Guiry & Guiry (2010)
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010).
36. *Rhizoclonium rhizophilum* W.R. Taylor
Taxon status: Accepted name; taxon occurs in Galapagos.
Type locality: Academy Bay, I. Santa Cruz, Galápagos Islands, Ecuador (Taylor 1945: 55). Holotype: W.R. Taylor 34-301D; 20 January 1934; with other algae on *Rhizophora* roots in a lagoon. Hancock Foundation (Taylor 1945: 55).
Origin: Native, Endemic.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
References: Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).
37. *Rhizoclonium riparium* (Roth) Harvey
Taxon status: Accepted name; taxon occurs in Galapagos.
(includes *Rhizoclonium implexum* (Dillwyn) Kützing = *Rhizoclonium riparium* var. *implexum* (Dillwyn) Rosenvinge)
Origin: No Data.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).
38. *Rhizoclonium robustum* Setchell & N.L. Gardner
Taxon status: Accepted name; taxon occurs in Galapagos.
Type locality: In tide pools at low tide. North Seymour I. Type: CAS 236507, leg. J.T. Howell (170a), 11.vi.1932.
Origin: Native, Endemic.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
References: Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Setchell, W.A. et

al. (1937), Silva, P.C. et al. (1964).

39. *Spongomorpha conjuncta* W.R. Taylor

Taxon status: Accepted name; taxon occurs in Galapagos.

Type locality: I. Santa María, Galápagos Islands, Ecuador (Taylor 1945: 58). Holotype: W.R. Taylor no. 34-229A; 17 Jan. 1934; Rare and inconspicuous in the littoral. Hancock Foundation (Taylor 1945: 58).

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

40. *Trentepohlia* sp.

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

Origin: No Data.

Galapagos Distribution: Española, Santa Cruz.

41. *Ulva clathrata* (Roth) C. Agardh

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Enteromorpha muscoides* (Clemente) Cremades, *E. clathrata* (Roth) C. Agardh, fide Guiry & Guiry (2010). Taylor 1945: 39-40; as *Enteromorpha crinita* (Roth) J. Agardh

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Farlow, W.G. et al. (1902), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

42. *Ulva fasciata* S.F.Gray

Taxon status: Accepted name; taxon occurs in Galapagos.

Acc. name: *Ulva linza* Linnaeus, fide Guiry & Guiry (2010)

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Unknown.

References: Appeltans, W. et al. (2010), Farlow, W.G. et al. (1902), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010).

43. *Ulva flexuosa* Wulfen

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Enteromorpha flexuosa* (Wulfen) J. Agardh, *E. lingulata* J. Agardh, *E. tubulosa* (Kützing) Kützing, fide Guiry & Guiry (2010). Taylor 1945: 38, as *Enteromorpha tubulosa* Kützing, prox.

Origin: No Data.

Galapagos Distribution: Española, Santa Cruz.

References: Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, E.H. et al. (1942).

44. *Ulva lactuca* L.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Fernandina, Floreana, Santa Cruz.
References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).
45. *Ulva linza* L.
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ulva fasciata* S.F. Gray, fide Guiry & Guiry (2010)
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Farlow, W.G. et al. (1902), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010).
46. *Ulva lobata* (Kützting) Harvey
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Española, Isabela, Santa Cruz.
References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).
47. *Ulva prolifera* O.F. Müller
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Enteromorpha salina* var. *polyclados* Kützting. Taylor 1945: 39, as *Enteromorpha salina* (Kützting) v. *polyclados* Kützting
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Taylor, W.R. et al. (1945).
48. *Ulva taeniata* (Setchell) Setchell & N.L. Gardner
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ulva dactylifera* Setchell & N.L. Gardner, fide Guiry & Guiry (2010)
Origin: No Data.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Isabela, Santa Cruz.
References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010).
49. *Ulvella viridis* (Reinke) R. Nielsen, C.J. O'Kelly & B. Wysor
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Acrochaete viridis* (Reinke) R. Nielsen fide Guiry & Guiry (2013), *Entocladia viridis* Reinke, fide Appeltans et al. (2010) and Guiry & Guiry (2010, 2013)
Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Unknown.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2013), Guiry, M.D. et al. (2010).

50. *Zygomitus reticulatus* Bornet & Flahault

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Garske, L.E. et al. (2002), Guiry, M.D. et al. (2010), Miller, K.A. et al. (2011), Silva, P.C. et al. (1964), Taylor, W.R. et al. (1945).

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