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CDF Checklist of Galapagos Phytoplankton

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This checklist is automatically generated using Version 3.0 of the online database CDF Galapagos Species Checklist.

The term plankton refers to an ecological group of organisms drifting in the water column of oceans and fresh water bodies.

Phytoplankton is the autotrophic component, i.e., microscopic algae that perform photosynthesis. Most phytoplankton species are too small to be seen with the unaided eye, but when present in large quantities, their chlorophyll causes a green discoloration of the water.

For marine species distribution data cited in the CDF Galapagos Checklists refer to the five main bioregions of the archipelago (Far Northern, Northern, Western, South Eastern and the Elithabeth Bay Bioregion). For the terrestrial species the 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.

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

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for well known species groups like vascular plants or vertebrates updates proposed to the IUCN are shown instead of the outdated, but currently accepted status;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.

Names of taxa included in this checklist: 8 (1 Unidentified Taxon , 7 Preliminary Identification).

1. *Aphanocapsa salinarum* Hansgirg

Taxon status: Identification not yet confirmed.

Mentioned in Setchell Gardner (1937): 67, under *Dermocarpa sphaerica* var. *galapagensis*

Galapagos Distribution: Unknown.

References: Appeltans, W. et al. (2010), Setchell, W.A. et al. (1937).

2. *Diatomea sp.*
Taxon status: Taxon not identified to species, subspecies, form or variety.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Unknown.
3. *Lyngbya adherens* Setchell N.L. Gardner
Taxon status: Identification not yet confirmed.
Galapagos Distribution: Floreana.
References: Guiry, M.D. et al. (2010), Setchell, W.A. et al. (1937).
4. *Lyngbya consociata* Setchell N.L. Gardner
Taxon status: Identification not yet confirmed.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Setchell, W.A. et al. (1937).
5. *Lyngbya willei* var. *galapagensis* Setchell N.L. Gardner
Taxon status: Identification not yet confirmed.
Galapagos Distribution: Isabela.
References: Guiry, M.D. et al. (2010), Setchell, W.A. et al. (1937).
6. *Microcoleus howellii* Setchell N.L. Gardner
Taxon status: Identification not yet confirmed.
Galapagos Distribution: Isabela.
References: Guiry, M.D. et al. (2010), Setchell, W.A. et al. (1937).
7. *Scytonema guyanense* var. *marinum* Setchell N.L. Gardner
Taxon status: Identification not yet confirmed.
Galapagos Distribution: Fernandina.
References: Setchell, W.A. et al. (1937).
8. *Xenococcus endophyticus* Setchell N.L. Gardner
Taxon status: Identification not yet confirmed.
Galapagos Distribution: Isabela.
References: Guiry, M.D. et al. (2010), Setchell, W.A. et al. (1937).

References:

1. Appeltans, W., Bouchet, P., Boxshall, G.A., Fauchald, K., Gordon, D.P., Hoeksema, B.W., Poore, G.C.B., van Soest, R.W.M., Stöhr, S., Walter, T.C., Costello, M.J. (eds.) (2010) *World Register of Marine Species (WoRMS)*. Available online at <http://www.marinespecies.org>.
2. Guiry, M.D., Guiry, G.M. (2010) *AlgaeBase*. World-wide electronic publication, National University of Ireland, Galway. <http://www.algaebase.org>.
3. Setchell, W.A., Gardner, N.L. (1937) *The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 31: A preliminary report on the algae*. Proceedings of the California Academy of Science, series 4, 22: 65-98, 1 fig, plates 3-25.