

CDF Checklist of Galapagos Cyanobacteria

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

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well known species groups like vascular plants or vertebrates updates proposed to the IUCN are shown instead of the outdated, but currently accepted status;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

3. *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).

4. *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).
5. *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).
6. *Rhizonema* sp.
Taxon status: Taxon not identified to species, subspecies, form or variety.
 F. Bungartz: a common photobiont of scytonematoid cyanobacteria in lichens (see Lücking et al. 2009); erroneously classified as a basidiomycete by Index Fungorum (Kirk 2010).
Galapagos Distribution: Santa Cruz.
References: Kirk, P. (ed.) et al. (2010), Lücking, R. et al. (2009).
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. Kirk, P. (ed.) (2010) *Index Fungorum*. CABI Bioscience, CBS and Landcare Research, available online at www.indexfungorum.org.
4. Lücking, R., Lawrey, J.D., Sikaroodi, M., Gillevet, P.M., Chaves, J.L., Sipman, H.J.M. Bungartz, F. (2009) *Do lichens domesticate photobionts like farmers domesticate crops? Evidence from a previously unrecognized lineage of filamentous cyanobacteria*. *American Journal of Botany* 96(8): 1409-1418.
5. 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.