

CDF Checklist of Galapagos Diatoms

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Last updated: 22 Nov 2012

Abstract

This Checklist of Galapagos Diatoms includes a total of all 79 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 Diatoms currently known.

Part of the phytoplankton, diatoms are unicellular algae that inhabit both salt- and fresh-water habitats.

All possess a cell wall made from silica that encapsulates the cell like a skeleton. This unique structure is called a frustule.

Diatoms are divided into three classes: **Bacillariophyceae** and **Fragilariophyceae** with bilateral symmetry, and **Coscinodiscophyceae** that are cylindrical.

The cells have yellow or light brown chloroplasts.

Methods

This checklist of all known Galapagos Diatoms 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Species Checklists represent the synthesis of many different records: literature citations, data from previously unpublished reports (grey literature), specimen records of natural history collections located in Galapagos and all over the world.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: 79 (76 accepted, 2 doubtful, 1 problematic).

Origin of the taxa included: 15 endemic, 54 indigenous, 1 questionable endemic.

1. *Achnanthes brevipes* var. *intermedia* (Kützing) Cleve

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

2. *Achnanthes submarina* Hustedt

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

3. *Achnanthes turgida* Ehrenberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Unknown.

References: Ehrenberg, C.G. et al. (1853), Guiry, M.D. et al. (2010).

4. *Amphora cf. marina* Witkowski, Lange-Bertalot & Metzeltin

Taxon status: Taxonomic status unresolved or unrevised.

Taxon authors listed by Seddon (2011) (Witkowski, Lange-Bertalot & Metzeltin) do not match those listed by Guiry & Guiry (2010) (W.Smith)

Origin: No Data.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

5. *Amphora micrometra* Giffen

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

6. *Amphora pseudoholsatica* Nagumo & Kobaysi

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

7. *Amphora strigosa* Hustedt

Taxon status: The identification of this taxon or its occurrence in Galapagos is doubtful.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

8. *Anomoeoneis sphaerophora* (Kützing) Pfitzer

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).

9. *Brachysira aponina* Kützing

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

10. *Campylodiscus clypeus* Ehrenberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

11. *Cymatosira lorenziana* Grunow

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

12. *Cymbella delicatissima* var. *beagleana* Patrick

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).

13. *Cymbella thienemanni* Hustedt
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).
14. *Denticula subtilis* Grunow
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
15. *Diploneis cabro* Ehrenberg
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
16. *Diploneis caffra* Giffen
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Seddon, A.W.R. et al. (2011).
17. *Diploneis smithii* var. *smithii* (Brébisson) Cleve
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).
18. *Diploneis vacillans* var. *vacillans* (A. Schmidt) Cleve
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
19. *Encyonema ventricosum* (Agardh) Grunow
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Cymbella ventricosa* Agardh fide Guiry & Guiry (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).
20. *Envekadea pseudocrassirostris* (Hustedt) Van de Vijver, Gligora, Hinz, Kralj & Cocquyt
Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Navicula pseudocrassirostris* Hustedt fide Guiry & Guiry (2010).

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

21. *Fragilaria bronkei* Witkowski, Lange-Bertalot & Metzeltin

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

22. *Fragilaria geocollegarum* Witkowski & Lange-Bertalot

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

23. *Fragilaria sopotensis* Witkowski & Lange-Bertalot

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

24. *Frustulia isabelae* Patrick

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).

25. *Halamphora acutiuscula* (Kützing) Levkov

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Amphora acutiuscula* Kützing fide Guiry & Guiry (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).

26. *Halamphora coffeaeformis* (Agardh) Levkov

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Amphora coffeaeformis* (C.Agardh) Kützing fide Guiry & Guiry (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).

27. *Halamphora cymbifera* (Gregory) Levkov

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Amphora caroliniana* Giffen fide Guiry & Guiry (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

28. *Hannaea arcus* (Ehrenberg) R.M.Patrick

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).

29. *Hyalosynedra fasciculata* Kützing

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Seddon, A.W.R. et al. (2011).

30. *Mastogloia braunii* Grunow

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

31. *Mastogloia braunii f. elongata* Voigt

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Patrick, R. et al. (1970).

32. *Mastogloia crucicula var. crucicula* (Grunow) Cleve

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Seddon, A.W.R. et al. (2011).

33. *Mastogloia drouetiana* Patrick

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).

34. *Mastogloia habensis* Voigt

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Unknown.

References: Patrick, R. et al. (1970).

35. *Mastogloia lanceolata* Thwaites ex W. Smith

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

36. *Mastogloia pseudoexigua* Cholnoky

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

37. *Mastogloia pumila* (Grunow) Cleve

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

38. *Navicula atwateri* Seddon, Witkowski & Hemphill-Haley

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Seddon, A.W.R. et al. (2011).

39. *Navicula crateri* Patrick

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).

40. *Navicula darwiniana* Seddon & Witkowski

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Unknown.

References: Seddon, A.W.R. et al. (2011).

41. *Navicula galapagoensis* Seddon & Witkowski

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Seddon, A.W.R. et al. (2011).

42. *Navicula isabelensiformis* Seddon & Witkowski
Taxon status: Accepted name; taxon occurs in Galapagos.
Closely resembles an unidentified *Navicula* sp. by Rumrich et al. 2000 from mainland Ecuador and the Bolivian high Andes.
Origin: Native, Questionable Endemic.
Galapagos Distribution: Unknown.
References: Seddon, A.W.R. et al. (2011).
43. *Navicula isabelensiminor* Seddon & Witkowski
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Seddon, A.W.R. et al. (2011).
44. *Navicula isabelensis* Seddon & Witkowski
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Seddon, A.W.R. et al. (2011).
45. *Navicula isabelensoides* Seddon & Witkowski
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Seddon, A.W.R. et al. (2011).
46. *Navicula lagunae* Seddon & Witkowski
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Seddon, A.W.R. et al. (2011).
47. *Navicula phylleptosomaformis* Seddon & Witkowski
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Seddon, A.W.R. et al. (2011).
48. *Navicula tagiana* Patrick
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).

49. *Navicula willisiae* Seddon & Witkowski
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Seddon, A.W.R. et al. (2011).
50. *Navicymbula pusilla* (Grunow) Krammer
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Cymbella pusilla* Grunow, *Seminavis pusilla* (Grunow) E.J.Cox & G.Reid fide Guiry & Guiry (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).
51. *Nitzschia amphibia* Grunow
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).
52. *Nitzschia beagleana* Patrick
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).
53. *Nitzschia communis* Rabenhorst
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
54. *Nitzschia communis var. hyalina* Lund
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).
55. *Nitzschia confinis var. maxima* Patrick
Taxon status: Accepted name; taxon occurs in Galapagos.
Possibly in Seddon et al. (2011) as *Nitzschia confinis* Patrick.
Origin: No Data.
Galapagos Distribution: Unknown.
References: Patrick, R. et al. (1970), Seddon, A.W.R. et al. (2011).

56. *Nitzschia elliptica* Hust.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).
57. *Nitzschia frustulum* (Kützing) Grunow
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
58. *Nitzschia kutzingiana* Hilse
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).
59. *Nitzschia microcephala* Grunow
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
60. *Nitzschia nana* Grunow
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
61. *Nitzschia ovalis* Arnott ex Grunow
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
62. *Nitzschia palea* (Kützing) W. Smith
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
63. *Nitzschia paleacea* Grunow
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).

64. *Nitzschia pusilla* Grunow

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

65. *Nitzschia scalpelliformis* (Grunow) Grunow

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

66. *Nitzschia sigma* (Kützing) W. Smith

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

67. *Nitzschia subcommunis* Hust

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).

68. *Paralia sulcata* (Ehrenberg) Cleve

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

69. *Plagiogramma atomus* Greville

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

70. *Proshkinia bulnheimii* var. *bulnheimii* (Grunow) Karayeva

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Seddon, A.W.R. et al. (2011).

71. *Rhopalodia gibberula* (Ehrenberg) Müller
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
72. *Rhopalodia musculus* (Kützing) Müller
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
73. *Seminavis delicatissima* Patrick
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Seddon, A.W.R. et al. (2011).
74. *Staurosira punctiformis* Witkowski, Metzeltin & Lange-Bertalot
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).
75. *Striatella hustediana* Patrick
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Guiry, M.D. et al. (2010), Patrick, R. et al. (1970).
76. *Synedra isabelae* var. *isabelae* Patrick
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Patrick, R. et al. (1970).
77. *Synedra isabelae* var. *minor* Patrick
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Patrick, R. et al. (1970).
78. *Triceratium tripos* Cleve
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.

Galapagos Distribution: Unknown.

References: Cleve, P.T. et al. (1881), Guiry, M.D. et al. (2010).

79. *Tryblionella coarctata* (Grunow) D.G.Mann

Taxon status: The identification of this taxon or its occurrence in Galapagos is doubtful.

Syn.: *Nitzschia coarctata* Grunow fide Guiry & Guiry (2010).

Origin: Native, Indigenous.

Galapagos Distribution: Isabela.

References: Guiry, M.D. et al. (2010), Seddon, A.W.R. et al. (2011).

Acknowledgements

We are grateful for the financial report received for this project. Please refer to the website (www.darwinfoundation.org/datazone/checklist/) for a detailed list of all our donors.

This checklist would not be possible without adjunct and collaborating scientists, and volunteers of the Charles Darwin Foundation. The following scientists and volunteers have contributed to the CDF Checklist of Galapagos Diatoms: Stuart Banks, Margarita Brandt, Rodrigo Bustamante, Angel Chiriboga, Graham Edgar, José Miguel Fariña, Peter Glynn, Jack Grove, Alex Hearn, Cleveland Hickman, Paul Humann, Jerson Moreno, Fernando Pinillos, Fernando Rivera, Franz Smith, Marco Toscano, Mariana Vera, Luis Vinueza.

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