

CDF Checklist of Galapagos Lichenized Fungi

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Abstract

This Checklist of Galapagos Lichenized Fungi includes a total of all 865 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 Lichenized Fungi currently known.

This checklist includes all lichen fungi that are currently known to occur in the Galapagos Islands. This list also includes some fungi typically associated with lichens (lichenicolous fungi, i.e., fungi parasitic or parasymbiotic on lichens) or often treated by lichenologists even though they are not lichenized.

Lichens do not represent a taxonomic group, but are a classic example of a symbiosis, i.e., two very different organisms living together to form a new entity.

The outside shape and structure that we notice as a lichen is built by a fungus. Inside, this macroscopic structure hosts microscopic cells of green algae (Chlorophyta) or blue-green photosynthetic bacteria (Cyanobacteria).

The fungi that participate in this symbiosis belong to two taxonomic divisions (or phyla): Basidiomycota & Ascomycota.

Methods

This checklist of all known Galapagos Lichenized Fungi 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Species Checklists represent the synthesis of many different records: literature citations, data from previously unpublished reports (grey literature), specimen records of natural history collections located in Galapagos and all over the world.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: 865 (633 accepted, 4 unidentified taxon, 6 doubtful, 34 preliminary identification, 15 problematic, 6 new to science), 167 rejected.

Origin of the taxa included: 1 questionable native, 45 endemic, 568 indigenous, 3 questionable endemic.

1. *Acantholichen pannarioides* P.M. Jørg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Dal-Forno, M. et al. (2015), Jørgensen, P.M. et al. (1998), Lawrey, J.D. et al. (2009), Lücking, R. et al. (2009), Yáñez-Ayabaca, A. et al. (2012).

2. *Acarospora americana* H. Magn.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

References: Knudsen, K. et al. (2012).

3. *Acarospora chrysops* (Tuck.) H. Magn.

Taxon status: Accepted name; taxon occurs in Galapagos.

K. Knudsen: this taxon was misidentified in Elix & McCarthy (1998) as *A. citrina* and in Weber (1986) as *A. schleicheri*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Weber, W.A. et al. (1986).

4. *Acarospora sparsiuscula* H. Magn.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santiago.

References: Knudsen, K. et al. (2012).

5. *Acarospora trachyticola* (Müll. Arg.) Hue

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

References: Knudsen, K. et al. (2012).

6. *Actinoplaca strigulacea* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

References: Kirk, P. (ed.) et al. (2010).

7. *Actinoplaca vulgaris* (Müll. Arg.) Vězda & Poelt

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Tricharia vulgaris*, fide Elix & McCarthy (1998); specimen in COLO 193173 (L-40433, det. Vězda): Santa Cruz, on leaves of *Coffea*, Horneman garden, p.p. (with *Aspidothelium scutellarpum* Lücking; originally identified by Vězda as *Aspidothelium fugiens*)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

8. *Aderkomyces papilliferus* (Lücking) Lücking, Sérus. & Vězda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

9. *Agonimia opuntiella* (Buschardt & Poelt) Vězda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Isabela, Santa Cruz.

10. *Agonimia pacifica* (H. Harada) Diederich

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

11. *Agonimia tristicula* (Nyl.) Zahlbr.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

12. *Alyxoria ochrocheila* (Nyl.) Ertz & Tehler
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Opegrapha ochrocheila* Nyl.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.
References: Ertz, D. et al. (2010).

13. *Alyxoria varia* (Pers.) Ertz & Tehler
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Opegrapha varia* Pers.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz, Santiago.
References: Ertz, D. et al. (2010).

14. *Angiactis spinicola* Aptroot & Sparrius
Taxon status: Accepted name; taxon occurs in Galapagos.
Type: ECUADOR. Galapagos: Santa Cruz Island, coastal cliffs E of Puerto Ayora near Charles Darwin Research Station, on spines of *Scutia spicata*, 0u449450S, 90u179390W, 20 m alt., 29 May 2005, Aptroot 63413 (CDS 30168, holotype; ABL, BM, isotypes).
Origin: Native, Endemic.
IUCN Red List: Least Concern.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.
References: Aptroot, A. et al. (2007).

15. *Anisomeridium albisedum* (Nyl.) R.C. Harris
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Pinzón, Santa Cruz.

16. *Anisomeridium biforme* (Borrer) R.C. Harris
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santa Cruz.

17. *Anisomeridium leptospermum* (Zahlbr.) R.C. Harris
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santa Cruz.
18. *Anisomeridium polypori* (Ellis & Everh.) M.E. Barr
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Pinzón, Santa Cruz, Santiago.
19. *Anisomeridium subprostans* (Nyl.) R.C. Harris
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santiago.
20. *Anisomeridium tamarindi* (Fée) R.C. Harris
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, Isabela, Santa Cruz.
21. *Anisomeridium tuckerae* R.C. Harris
Taxon status: Accepted name; taxon occurs in Galapagos.
Original spelling as *A. tuckeri* is incorrect; species named after S. C. Tucker, correct spelling therefore: *A. tuckerae*; Syn.: *Ditremis tuckerae*, fide Elix & McCarthy (1998).
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Santa Cruz, Santiago.
References: Elix, J.A. et al. (1998).
22. *Arthonia antillarum* (Fée) Nyl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santa Fé, Santiago.
23. *Arthonia cinnabarina* (DC.) Wallr.
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Arthonia tumidula*, fide Elix & McCarthy (1998), *Arthonia gregaria*, fide Weber (1986): 488
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé,

Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

24. *Arthonia follmanniana* Diederich

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santiago.

References: Diederich, P. et al. (1995), Elix, J.A. et al. (1998).

25. *Arthonia platygraphidea* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Fernandina.

26. *Arthonia sanguinea* (Willey) Zahlbr.

Taxon status: Identification not yet confirmed.

F. Bungartz: material needs verification

Origin: Native, Indigenous.

Galapagos Distribution: Isabela.

27. *Arthonia speciosa* (Müll. Arg.) Grube

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Santa Cruz.

References: Grube, M. et al. (2007).

28. *Arthopyrenia cerasi* (Schrad.) A. Massal.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

29. *Arthopyrenia cinchonae* (Ach.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Specimen in COLO: Santa Cruz, on Scalesia, Bella Vista, Weber L-40225, det. Aptroot, 1991

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1993).

30. *Arthothelium galapagoense* Huneck & Follmann

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

31. *Aspidothelium cinerascens* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

32. *Aspidothelium fugiens* (Müll. Arg.) R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: in Weber (1986) erroneously cited as *Aspidophyllum fugiens*; material Weber 285 (L-40433).

The material was originally determined by Vezda, but with publication of Lücking (2008) the species concept has changed; the Galapagos specimens has perithecia with disk-like, dentate expansion and not setae or hairs and thus belongs to *A. scutellarpum*; however, in 2014 the species was discovered growing on leaves (Bungartz, F. 7088 A)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Lücking, R. et al. (2008), Weber, W.A. et al. (1986).

33. *Aspidothelium scutellarpum* Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: in Weber (1986) erroneously cited as *Aspidophyllum fugiens*; material Weber 285 (L-40433).

The material was originally determined by Vezda, but with publication of Lücking (2008) the species concept has changed; the Galapagos specimens has perithecia with disk-like, dentate expansion and not setae or hairs and thus belongs to *A. scutellarpum*.

Origin: No Data.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Lücking, R. et al. (2008), Weber, W.A. et al. (1986).

34. *Asterothyrium rotuliforme* (Müll. Arg.) Sérus. & J.R. De Sloover

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

35. *Astrothelium variolosum* (Ach.) Müll. Arg.

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz & R. Miranda: According to Harris (1995) *Trypethelium ochroleucum* and *Astrothelium*

variosolum are identical in all characters but their stromata formation; Trypethelium nitidiusculum is identical to Trypethelium ochroleucum in all characters but the presence of lichexanthone. It is possible that all three taxa refer to one variable species only.

Origin: No Data.

Galapagos Distribution: Isabela, Pinta.

References: Harris, R.C. et al. (1995), Kirk, P. (ed.) et al. (2010).

36. *Aulaxina opegraphina* Fée

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

37. *Bacidia heterochroa* (Müll. Arg.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: two specimens (Weber 351, L-40583, COLO 192495 & Weber 166, L-40363, COLO 188564) annotated as *B. heterochroa* by S. Ekman, 2009

Origin: No Data.

Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz, Santiago.

38. *Bacidia insularis* Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

39. *Bacidina apiahica* (Müll. Arg.) Vězda

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Bacidia apiahica*, fide A. Aptroot (pers. comm.), *Woessia apiahica*, fide Index Fungorum

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

40. *Bacidina chlorotricula* (Nyl.) Vězda & Poelt

Taxon status: Identification not yet confirmed.

Syn.: *Bacidia chlorotricula*

Origin: No Data.

Galapagos Distribution: Santa Cruz.

41. *Bacidina delicata* (Larbal. ex Leight.) V. Wirth & Vězda

Taxon status: Identification not yet confirmed.

F. Bungartz: material needs verification

Origin: No Data.

Galapagos Distribution: Floreana, Isabela, Santa Cruz.

42. *Bacidina pallidocarnea* (Müll. Arg.) Vozda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

43. *Bactrospora acicularis* (C.W. Dodge) Egea & Torrente

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Aptroot, A. et al. (2008).

44. *Bactrospora denticulata* (Vain.) Egea & Torrente

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Isabela, Santa Cruz, Santa Fé.

References: Aptroot, A. et al. (2008).

45. *Bactrospora myriadea* (Fée) Egea & Torrente

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2008).

46. *Bathelium degenerans* (Vain.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Fernandina, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

47. *Bathelium feei* (C.F.W. Meissn.) Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Bathelium carolinianum*.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

48. *Biatoropsis usnearum* Räsänen
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santiago.
49. *Brigantiaea leucoxantha (sorediate form)* (Spreng.) R. Sant. & Hafellner
Taxon status: Accepted name; taxon occurs in Galapagos.
F. Bungartz: the Galapagos material is densely diffusely sorediate across the entire thallus and therefore not *B. leucoxantha* s.str.; the specimen collected by Pike (COLO L-55433) examined by J. Hafellner 1983 identified as *B. leucoxantha* is also densely sorediate.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.
References: Bungartz, F. et al. (2013), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
50. *Brigantiaea leucoxantha s.str.* (Spreng.) R. Sant. & Hafellner
Taxon status: Accepted name; taxon occurs in Galapagos.
F. Bungartz: most Galapagos material is densely sorediate and therefore does not belong to *B. leucoxantha* s.str. However, some material not forming soredia has been found, those esorediate specimens may not be identical with the sorediate forms because they are known from much drier habitats only.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Isabela, Santa Cruz.
51. *Buellia coccinea s.l.* (Fée) Aptroot
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela.
52. *Buellia erubescens* Arnold
Taxon status: Identification not yet confirmed.
F. Bungartz: material needs verification
Origin: No Data.
Galapagos Distribution: Unknown.
53. *Buellia galapagona* W.A. Weber
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
IUCN Red List: Near Threatened.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.
References: Elix, J.A. et al. (1998), Roth, K. et al. (1978), Weber, W.A. et al. (1971), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

54. *Buellia halonia* (Ach.) Tuck.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Santa Cruz, Santiago.
55. *Buellia lauricassiae* (Fée) Müll. Arg.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Santa Cruz, Santiago.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
56. *Buellia mamillana s.l.* (Tuck.) W.A. Weber
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Rinodina mamillana*, fide Elix & McCarthy (1998)
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Darwin, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago, Wolf.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).
57. *Buellia oidalea* (Nyl.) Tuck.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, San Cristóbal.
58. *Buellia rufofuscescens* Stizenb.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
59. *Buellia spuria* (Schaer.) Anzi
Taxon status: Identification not yet confirmed.
F. Bungartz: material needs verification
Origin: No Data.
Galapagos Distribution: Española, Isabela, Santa Cruz, Santa Fé.
60. *Buellia stellulata* (Taylor) Mudd
Taxon status: Identification not yet confirmed.
F. Bungartz: material needs verification
Origin: No Data.
Galapagos Distribution: Española, Floreana, Isabela, Pinzón, Santa Cruz, Santiago.

61. *Buellia straminea* Tuck.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Buellia xanthinula* auct. non (Müll. Arg.) Malme, fide Elix & McCarthy (1998); in Dodge (1936) as *Buellia xanthinula*

Origin: Native, Endemic.

IUCN Red List: Least Concern.

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

References: Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Imshaug, H.A. et al. (1955), Stewart, A. et al. (1912), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

62. *Buellia subdisciformis* agg. (Leight.) Vain.

Taxon status: Identification not yet confirmed.

F. Bungartz: material needs verification

Origin: No Data.

Galapagos Distribution: Isabela.

63. *Buellia sulphurica* Bungartz & Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: ECUADOR. Galápagos: Isabela Island, Volcán Alcedo, upper NNW-exposed slope inside the crater, 0°27'S, 91°7'W, 1055 m, open vegetation with *Adiantum concinnum* and scattered shrubs of *Tournefortia rufosericea* among basalt blocks in the vicinity of the sulfur vents, on basalt, March 2006, Aptroot 64881 (holotype CDS-31458, isotype ABL).

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

References: Lumbsch, H.T. et al. (2010).

64. *Buellia trachyspora* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

65. *Bulbothrix bulbillosa* Benatti, Spielmann & Bungartz

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Isabela, San Cristóbal.

References: Bungartz, F. et al. (2013).

66. *Bulbothrix laevigatula* (Nyl.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia laevigatula*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2013), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

67. *Bulbothrix lyngei* Benatti & Marcelli

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal.

References: Bungartz, F. et al. (2013).

68. *Bulbothrix scortella* (Nyl.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: only one specimen (Aptroot 65313) has a brown lower side throughout.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. (2013), Kirk, P. (ed.) et al. (2010).

69. *Bulbothrix subdissecta* (Nyl.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2013).

70. *Byssoloma discordans* (Vain.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

71. *Byssoloma leucoblepharum* (Nyl.) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz.

72. *Byssoloma minutissimum* Kalb & Vězda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: San Cristóbal, Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

73. *Byssoloma subdiscordans* (Nyl.) P. James
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Byssoloma rotuliforme*, fide Elix & McCarthy (1998)
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
74. *Byssoloma tricholomum* (Mont.) Zahlbr.
Taxon status: Accepted name; taxon occurs in Galapagos.
searched for specimen in COLO, but not found: COLO (L-63764), coll.: Lanier, in packet with *Tapellaria* epiphylla, det.: Vezda
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
75. *Calenia aff. solorinoides* Lücking
Taxon status: The identification of this taxon or its occurrence in Galapagos is doubtful.
Origin: No Data.
Galapagos Distribution: San Cristóbal.
References: Kirk, P. (ed.) et al. (2013).
76. *Calenia bullatinoides* Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Isabela.
References: Kirk, P. (ed.) et al. (2013).
77. *Calenia lobulata* Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
78. *Calenia phyllogena* (Müll. Arg.) R. Sant.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Floreana.
References: Kirk, P. (ed.) et al. (2013).
79. *Calicium robustellum* Nyl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santa Cruz, Santiago.

80. *Calopadia bonitensis* Cáceres & Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
References: Kirk, P. (ed.) et al. (2010).
81. *Calopadia cinereopruinosa* Bungartz & Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Type:—ECUADOR. Galápagos: Isla San Cristóbal, area W of Cerro Pelado on the way to El Ripioso, 0°52'S, 89°28'W, 400 m, transition zone, open Psidium guajava shrubland with *Macraea laricifolia* and dominant annual herb *Malachra capitata*, on bark and wood, dead twigs of *Psidium guajava*, sunny, wind- and rain-exposed, August 2008, Bungartz 8489 (holotype CDS-41135).
Origin: Native, Endemic.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz.
References: Lumbsch, H.T. et al. (2010).
82. *Calopadia editae* Vozda ex Chaves & Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Calopadia pruinosa* Lücking & Chavez nom. nud.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz, Santiago.
References: Lumbsch, H.T. et al. (2010).
83. *Calopadia foliicola* (Fée) Vozda
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Lopadium foliicola*, fide Weber (1998)
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.
References: Elix, J.A. et al. (1998).
84. *Calopadia fusca* (Müll. Arg.) Vozda
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Lopadium fuscum*, fide Elix & McCarthy (1998)
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.
References: Elix, J.A. et al. (1998).
85. *Calopadia perpallida* (Nyl.) Vozda
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Santa Cruz.

86. *Calopadia puiggarii* (Müll. Arg.) Vázda

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Lopadium puiggarii*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

References: Elix, J.A. et al. (1998).

87. *Calopadia subcoerulescens* (Zahlbr.) Vázda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

88. *Caloplaca aphanotripta* (Nyl.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

89. *Caloplaca arenaria* agg. (Pers.) Müll. Arg.

Taxon status: Identification not yet confirmed.

F. Bungartz & U. Söchting: specimens belong to at least one undescribed, possible several species

Origin: No Data.

Galapagos Distribution: Unknown.

90. *Caloplaca brouardii* (de Lesd.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

fide A. Aptroot: *Caloplaca brouardii*

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

91. *Caloplaca camptidia* (Tuck.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

92. *Caloplaca cf. sonora* Wetmore

Taxon status: Identification not yet confirmed.

F. Bungartz & U. Söchting: not the correct name; together with specimens preliminary identified as *C. arenaria* agg. this species belong to at least one undescribed, possible several species

Origin: No Data.

Galapagos Distribution: Unknown.

93. *Caloplaca chlorina* (Flot.) Sandst.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

94. *Caloplaca cupulifera* (Vain.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Pinta, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

95. *Caloplaca diplacia* (Ach.) Riddle

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

96. *Caloplaca epiphora* (Taylor) C.W. Dodge

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

97. *Caloplaca flavovirescens* s.l. (Wulfen) Dalla Torre & Sarnth.

Taxon status: Identification not yet confirmed.

F. Bungartz & U. Söchting: the Galapagos specimens belong to an undescribed species in the *Caloplaca flavovirescens*-Group

Origin: No Data.

Galapagos Distribution: Unknown.

98. *Caloplaca floridana* (Tuck.) S.C. Tucker

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Placodium floridanum*; specimen in COLO (56167), coll.: Pike

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

99. *Caloplaca furfuracea* H. Magn.

Taxon status: Identification not yet confirmed.

F. Bungartz: Superficially similar to *C. wrightii*, but with different chemistry.

Origin: No Data.

Galapagos Distribution: Unknown.

100. *Caloplaca isidiosa* (Vain.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Darwin, Española, Floreana, Genovesa, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Wolf.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

101. *Caloplaca phyllidizans* Wetmore

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

102. *Caloplaca sideritis* (Tuck.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

103. *Caloplaca squamosa* (B. de Lesd.) Zahlbr. s.l.

Taxon status: Identification not yet confirmed.

F. Bungartz & U. Söchting: taxonomically problematic group of species including, commonly called *C. subsoluta* or *C. modesta*, the Galapagos specimens probably several new species

Origin: No Data.

Galapagos Distribution: Unknown.

104. *Caloplaca subsoluta* (Nyl.) Zahlbr.

Taxon status: Identification not yet confirmed.

Syn.: *Caloplaca modesta*, fide F. Bungartz annotations, 2008; F. Bungartz & U. Söchting: taxonomically problematic group of species including, commonly called *C. subsoluta* or *C. modesta*, the Galapagos specimens probably several new species

Origin: No Data.

Galapagos Distribution: Unknown.

105. *Caloplaca wrightii* (Willey) Fink

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

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

106. *Candelaria pacifica* M. Westb. & Arup

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: first published as nomen nudum by M. Westberg in Nash et al. (2002), then validated in M. Westb. & Arup, *Bibl. Lich.* 106: 358 (2011).

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela.

References: Nash III, T.H. et al. (2002), Westberg, M. et al. (2011).

107. *Candelariella corallizoides* Westberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

108. *Canoparmelia caroliniana* (Nyl.) Elix & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia caroliniana*, fide Elix (1989), *Pseudoparmelia caroliniana*

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

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

References: Elix, J.A. et al. (1998).

109. *Canoparmelia cryptochlorophaea* (Hale) Elix & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Isabela, San Cristóbal, Santiago.

References: Kirk, P. (ed.) et al. (2013).

110. *Canoparmelia martinicana* (Nyl.) Elix & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pseudoparmelia martinicana* (Nyl.) Hale

Origin: Native, Indigenous.

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

References: Kirk, P. (ed.) et al. (2013).

111. *Canoparmelia raunkiaeri* (Vain.) Elix & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

112. *Canoparmelia texana* (Tuck.) Elix & Hale
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz, Santiago.
113. *Catillaria chalybeia* var. *chloropoliza* (Nyl.) H. Kilius
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Floreana, Santa Cruz.
114. *Catinaria atropurpurea* (Schaer.) Vězda & Poelt
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Isabela, Santiago.
References: Kirk, P. (ed.) et al. (2013).
115. *Celothelium dominicanum* (Vain.) M.B. Aguirre
Taxon status: Accepted name; taxon occurs in Galapagos.
F. Bungartz & R. Miranda: previously misidentified as *C. aciculiferum*.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
116. *Chaenotheca chloroxantha* Tibell
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, San Cristóbal.
References: Bungartz, F. et al. (2013).
117. *Chaenothecopsis savonica* s.l. (Räsänen) Tibell
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
118. *Chiodecton malmei* G. Thor
Taxon status: Identification not yet confirmed.
F. Bungartz: very similar, but spores of different size
Origin: No Data.
Galapagos Distribution: Unknown.
119. *Chrysothrix galapagoana* K. Knudsen & Bungartz
Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: previously reported as *Chrysothrix* aff. *occidentalis* Elix & Kantivalis

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Isabela, San Cristóbal, Santiago.

References: Bungartz, F. et al. (2013), Knudsen, K. et al. (2013).

120. *Chrysothrix xanthina* (Vain.) Kalb

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Chrysothrix candelaris*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Wolf.

References: Bungartz, F. et al. (2013), Kalb, K. et al. (2001), Knudsen, K. et al. (2013).

121. *Cladia aggregata* (Sw.) Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Isabela, Santa Cruz.

References: Ahti, T. et al. (2000), Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986), Yáñez-Ayabaca, A. et al. (2013).

122. *Cladonia* aff. *ramulosa* (With.) J.R. Laundon

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cladonia adpersa*, fide Ahti (2000), *Cladonia pityrea*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Yáñez-Ayabaca, A. et al. (2013).

123. *Cladonia* aff. *sphacelata* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Not In Galapagos, Not In Galapagos.

IUCN Red List: Near Threatened.

Galapagos Distribution: Isabela, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986), Yáñez-Ayabaca, A. et al. (2013).

124. *Cladonia arbuscula* ssp. *boliviana* (Ahti) Ahti & DePriest

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cladonia arbuscula* ssp. *boliviana*; specimens in H and LSU: Isabela, Volcán Alcedo, 1970, Prichard s.n.

Origin: Native, Indigenous.

IUCN Red List: Critically Endangered.

Galapagos Distribution: Isabela, Santa Cruz.

References: Ahti, T. et al. (2000), Yáñez-Ayabaca, A. et al. (2013).

125. *Cladonia arcuata* Ahti

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cladina arcuata* (Ahti) Ahti & Follmann; F. Bungartz: in Weber (1986) as *Cladina sandstedei* (Abbayes) Ahti

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Isabela, Pinta, San Cristóbal, Santa Cruz.

References: Ahti, T. et al. (2000), Yáñez-Ayabaca, A. et al. (2013).

126. *Cladonia bungartzii* Yáñez-Ayabaca & Ahti

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Pinta.

References: Yáñez-Ayabaca, A. et al. (2013).

127. *Cladonia cartilaginea* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010), Yáñez-Ayabaca, A. et al. (2013).

128. *Cladonia ceratophylla* (Sw.) Spreng.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: Index Fungorum (Kirk 2013) erroneously treats the taxon as synonymous with *Cladonia praetermissa* var. *praetermissa* A.W. Archer, based on the Australian Checklist, but this checklist does treat only the Australian records as synonymous; in South America *C. ceratophylla* is a distinct species.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Ahti, T. et al. (2000), Dodge, C.W. et al. (1935), Elix, J.A. et al. (1998), Kirk, P. (ed.) et al. (2013), Stewart, A. et al. (1912), Svenson, H.K. et al. (1935), Weber, W.A. et al. (1981), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986), Yáñez-Ayabaca, A. et al. (2013).

129. *Cladonia chlorophaea* (Flörke ex Sommerf.) Spreng.

Taxon status: Accepted name; taxon occurs in Galapagos.

Bungartz, F. : in Weber (1986) as *Cladonia balfourii*, see Yáñez-Ayabaca et al. (2013), and Ahti (2000).

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Ahti, T. et al. (2000), Weber, W.A. et al. (1981), Yáñez-Ayabaca, A. et al. (2013).

130. *Cladonia confusa f. bicolor* (Müll. Arg.) Ahti

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cladina confusa f. bicolor*, *Cladonia polia* R. Sant.; Bungartz: distributed as exsiccate of *Cladonia polia*

(Weber, Lich. Exs. 106; see Weber 1981), synonymized by Ahti (2000) with *Cladonia confusa* f. *bicolor*.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Ahti, T. et al. (2000), Weber, W.A. et al. (1981), Yáñez-Ayabaca, A. et al. (2013).

131. *Cladonia confusa* f. *confusa* R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cladonia galapagosensis* Ahti, fide Ahti (2000), *Cladonia confusa* f. *confusa*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Fernandina, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Ahti, T. et al. (2000), Yáñez-Ayabaca, A. et al. (2013).

132. *Cladonia corniculata* Ahti & Kashiwadani

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Ahti, T. et al. (2000), Elix, J.A. et al. (1998).

133. *Cladonia corymbites* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela.

References: Ahti, T. et al. (2000), Yáñez-Ayabaca, A. et al. (2013).

134. *Cladonia corymbosula* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

fide annotations T. Ahti, 2010

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Yáñez-Ayabaca, A. et al. (2013).

135. *Cladonia dactylota* Tuck.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Cladonia subcariosa*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Yáñez-Ayabaca, A. et al. (2013).

136. *Cladonia didyma* (Fée) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Ahti, T. et al. (2000), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986), Yáñez-Ayabaca, A. et al. (2013).

137. *Cladonia grayi* G. Merr. ex Sandst.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Yáñez-Ayabaca, A. et al. (2013).

138. *Cladonia macilenta* Hoffm.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cladonia balfourii*, fide Ahti (2000); F. Bungartz: all Galapagos specimens contain thamnolic and didymic acid and specimens previously identified as *C. macilenta* var. *bacillaris* are misidentifications of *C. bungartzii* or *C. macilenta* s.str. (Yáñez-Ayabaca et al. 2000), reported by Weber (1986) as *Cladonia macilenta* ssp. *theiophila* (Asahina) Asahina.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz.

References: Ahti, T. et al. (2000), Weber, W.A. et al. (1986), Yáñez-Ayabaca, A. et al. (2013).

139. *Cladonia nana* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, Santa Cruz, Santiago.

References: Ahti, T. et al. (2000), Yáñez-Ayabaca, A. et al. (2013).

140. *Cladonia polyscypha* Ahti & L. Xavier

Taxon status: Accepted name; taxon occurs in Galapagos.

fide annotations T. Ahti, 2010 (new to Galapagos, range poorly known): CDS 31086

Origin: Not In Galapagos, Not In Galapagos.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Pinta, Santa Cruz.

References: Yáñez-Ayabaca, A. et al. (2013).

141. *Cladonia pulverulenta* (L. Scriba) Ahti

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Yáñez-Ayabaca, A. et al. (2013).

142. *Cladonia pyxidata* (L.) Hoffm.

Taxon status: Accepted name; taxon occurs in Galapagos.

fide annotations T. Ahti, 2010 (new to Galapagos, recently found in continental Ecuador): CDS 31422

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santiago.

References: Yáñez-Ayabaca, A. et al. (2013).

143. *Cladonia scholanderi* Abbayes

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Cladonia sphacelata*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Isabela, Santa Cruz.

References: Ahti, T. et al. (2000), Yáñez-Ayabaca, A. et al. (2013).

144. *Cladonia strepsilis* (Ach.) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Yáñez-Ayabaca, A. et al. (2013).

145. *Cladonia subradiata* (Vain.) Sandst.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Cladonia subulata*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Ahti, T. et al. (2000), Elix, J.A. et al. (1998), Yáñez-Ayabaca, A. et al. (2013).

146. *Cladonia subsquamosa* Kremp.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinzón, San Cristóbal, Santa Cruz.

References: Weber, W.A. et al. (1986), Yáñez-Ayabaca, A. et al. (2013).

147. *Cladosporium arthoniae* M.S. Christ. & D. Hawksw.

Taxon status: Identification not yet confirmed.

Index Fungorum: anamorphic *Davidiella*

Origin: No Data.

Galapagos Distribution: Santiago.

References: Kirk, P. (ed.) et al. (2010).

148. *Coccocarpia delicatula* Bungartz, Ziemmeck & Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: ECUADOR. Galápagos: Isla San Cristóbal, area W of Cerro Pelado on the way to El Ripioso, 0°52'S, 89°28'W, 400 m, transition zone, open Psidium guajava shrubland with Macraea laricifolia and dominant annual herb Malachra capitata, on bark and wood, dead twigs of Psidium guajava, sunny, wind- and rain-exposed, August 2008, Bungartz 8496 (holotype CDS-41142).

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal.

References: Lumbsch, H.T. et al. (2010).

149. *Coccocarpia domingensis* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Pinta, Santa Cruz.

150. *Coccocarpia erythroxyli* (Spreng.) Swinscow & Krog

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Pannaria molybdaea, fide Weber (1986) & Elix & McCarthy (1998), Coccocarpia pellita var. parmelioides, fide Elix & McCarthy (1998); 2 specimens in COLO: 40290, Santa Cruz, Stewart, 1912, det. Dodge 1935 & Santiago, Pike 2718, det. Arvidsson

Origin: Native, Indigenous.

IUCN Red List: Regionally Extinct.

Galapagos Distribution: Floreana, Santa Cruz, Santiago.

References: Dodge, C.W. et al. (1935), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

151. *Coccocarpia filiformis* Arv.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Unknown.

152. *Coccocarpia palmicola* (Spreng.) Arv. & D.J. Galloway

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Fernandina, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

153. *Coccocarpia pellita* (Ach.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Svenson, H.K. et al. (1935).

154. *Coccocarpia prostrata* Lücking, Aptroot & Sipman

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

155. *Coenogonium aff. luteolum* (Kalb) Kalb & Lücking

Taxon status: Unpublished name (Nomen nudum).

F. Bungartz: most specimens of *C. strigosum* possibly belong here

Origin: No Data.

Galapagos Distribution: Unknown.

156. *Coenogonium flavum* (Malcolm & Vězda) Malcolm

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

157. *Coenogonium geralense* (Henn.) Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Floreana, Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

158. *Coenogonium interplexum* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santiago.

159. *Coenogonium isidiosum* (Breuss) Rivas Plata, Lücking, Umaña & Chaves

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Floreana, Isabela.

References: Kirk, P. (ed.) et al. (2013).

160. *Coenogonium luteum* (Dicks.) Kalb & Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Isabela, Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

161. *Coenogonium pineti* (Schrad. ex Ach.) Lücking & Lumbsch

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

162. *Coenogonium siquirrense* (Lücking) Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Isabela, Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

163. *Coenogonium strigosum* Rivaz Plata, Lücking & Chaves

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) probably as *Dimerella lutea*, fide A. Aptroot (pers. comm.); most Galapagos specimens most likely belong to a yet unpublished species *C. aff. luteolum*, sensu (Lücking, pers. com.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz, Santiago.

164. *Coenogonium subdentatum* (Vizda & G. Thor) Rivas Plata, Lücking, Umaña & Chaves

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

165. *Collema furfuraceum* Du Rietz

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2008), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

166. *Collema leptaleum* Tuck.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. (2008).

167. *Collema pulcellum* Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santa Cruz, Santiago.

168. *Collema texanum* Tuck.

Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santa Cruz, Santiago.
References: Bungartz, F. et al. (2008).

169. *Collemopsidium sublitorale* (Leight.) Grube & B.D. Ryan

Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Pyrenocollema sublitorale*, *Arthopyrenia sublitoralis*.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Unknown.
References: Santesson, R. et al. (1939).

170. *Cora glabrata* (Spreng.) Fr.

Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Dictyonema glabratum* fide Bungartz 2010; In Dodge (1935) und Weber (1966) as *Cora pavonia*
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.
References: Dodge, C.W. et al. (1935), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986), Yáñez-Ayabaca, A. et al. (2012).

171. *Cresponea flava* (Vain.) Egea & Torrente

Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Santa Cruz, Santiago.
References: Aptroot, A. et al. (2008).

172. *Crocodia aurata* (Ach.) Link

Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Pseudocyphellaria aurata* (Ach.) Vain. fide Moncada & Lücking (pers. com. April 2014)
Origin: No Data.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.
References: Andersson, N.J. et al. (1855), Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Hooker, J.D. et al. (1847), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

173. *Cryptothecia darwiniana* Bungartz & Elix
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.
References: Bungartz, F. et al. (2013), Bungartz, F. et al. ().
174. *Cryptothecia galapagoana* Bungartz & Elix
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Pinzón, San Cristóbal, Santa Cruz.
References: Bungartz, F. et al. ().
175. *Cryptothecia striata* G. Thor
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz.
References: Bungartz, F. et al. ().
176. *Cyphellostereum imperfectum* Lücking, Barillas & Dal Forno
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz, Santiago.
References: Yáñez-Ayabaca, A. et al. (2012).
177. *Cyphellostereum sp. 1* ined.
Taxon status: Unpublished name (Nomen nudum).
F. Bungartz: Dictyonema phyllogenum f. defectum was described for a morphotype with a very poorly developed fungal sheath (Lücking 2008). Fig 258 E-F in Lücking (2008), however, depicts cyanobacterial trichomes that are not closely bundled as it is the case in the Galapagos material. Also, trichomes of Dictyonema phyllogenum f. defectum are appressed rather than erect, as seen in the Galapagos material. The Galapagos specimens grow on a variety of substrates, one also found on leaves of the endemic Miconia robertsoniana, but most were collected on bryophytes. The micromorphology of these specimens is quite similar, but not identical with free-living forms of Scytonema, since Cyphellostereum sp. 1 clearly presents fungal sheath cells surrounding the cyanobacteria.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Yáñez-Ayabaca, A. et al. (2012).
178. *Dibaeis soredata* Kalb & Gierl
Taxon status: Accepted name; taxon occurs in Galapagos.
F. Bungartz: material confirmed per TLC by K. Kalb, December 2011
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz, Santiago.

179. *Dictyographa arabica* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Opegrapha arabica* (Müll. Arg.) Vain.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Ertz, D. et al. (2010).

180. *Dictyonema galapagoense* Yáñez-Ayabaca, Dal-Forno & Bungartz

Taxon status: Accepted name; taxon occurs in Galapagos.

Holotype Bungartz 8517 (CDS 41163)

Origin: Native, Endemic.

IUCN Red List: Endangered.

Galapagos Distribution: Floreana, San Cristóbal.

References: Yáñez-Ayabaca, A. et al. (2012).

181. *Dictyonema pectinatum* Dal Forno, Yáñez-Ayabaca & Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Santa Cruz.

References: Yáñez-Ayabaca, A. et al. (2012).

182. *Dictyonema schenkianum* (Müll. Arg.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: the correct spelling is 'schenkianum' because the basionym is *Laudatea schenkiana* Müll. Arg., Parmastro erroneously spelled the epithet with 'ck' as '*Dictyonema sericeum* f. *schenckianum*'.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz, Santiago.

References: Kirk, P. (ed.) et al. (2010), Yáñez-Ayabaca, A. et al. (2012).

183. *Dictyonema sericeum* (Sw.) Berk.

Taxon status: Accepted name; taxon occurs in Galapagos.

reported by Weber (1986) as *Dictyonema guadelupense*; only the material forming bracket-like shelves belongs here

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Lawrey, J.D. et al. (2009), Weber, W.A. et al. (1986).

184. *Dictyonema sericeum s.str.* (Sw.) Berk.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, San Cristóbal.

185. *Dictyonema thelephora* (Spreng.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

186. *Dimidiographa loandensis* (Nyl.) Ertz, Bungartz & Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Ertz, D. et al. (2009), Ertz, D. et al. (2010).

187. *Diorygma poitaei* (Fée) Kalb, Staiger & Elix

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Graphina virginea*, fide F. Bungartz 2008

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

188. *Diploschistes actinostomus* (Pers.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

189. *Diploschistes badius* Lumbsch & Elix

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: previously misidentified as *D. aeneus*, but material contains gyrophoric acid

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

190. *Diploschistes cinereocaesius* (Sw.) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Diploschistes scruposus*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

191. *Diploschistes euganeus* (A. Massal.) Zahlbr.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: San Cristóbal.
192. *Diploschistes muscorum* ssp. *bartlettii* Lumbsch
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Isabela, Santa Cruz, Santiago.
References: Elix, J.A. et al. (1998), Lumbsch, H.T. et al. (1987).
193. *Diploschistes rampoddensis* (Nyl.) Zahlbr.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Isabela, Santa Cruz.
194. *Dirina approximata* Zahlbr.
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Dirina paradoxa* ssp. *approximata* (Fée) Tehler & *Dirina herrei* Zahlbr. fide Tehler et al. (2013); Type: Herre A.W.C.T. s.n. [W - lectotype selected by Tehler et al. (2013), B, BM, G, GBG, H, KASSEL, L, LD, M, NY, S-L6, UC, UPS - isolectotypes), material not seen by F. Bungartz (no specimens in COLO?); Tehler et al. (2013) also include the soresiate forms rarely found in Galapagos here.
Origin: Native, Endemic.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santa Fé, Santiago.
References: Aptroot, A. et al. (2008), Elix, J.A. et al. (1998), Tehler, A. et al. (2013), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).
195. *Dirina pacifica* Tehler & Ertz
Taxon status: Accepted name; taxon occurs in Galapagos.
F. Bungartz: previously reported as *D. catalinariae* f. *catalinariae* and *D. catalinariae* f. *sorediata*; according to Aptroot & Sparrus (2008) reports of *Roccellina badia* by Weber (1986) and Elix & McCarthy (1998) belong to *D. catalinariae* and thus must be considered records of *D. pacifica*.
Origin: Native, Indigenous.
Galapagos Distribution: Floreana, Isabela, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.
References: Aptroot, A. et al. (2008), Elix, J.A. et al. (1998), Tehler, A. et al. (2013), Weber, W.A. et al. (1986).
196. *Dirinaria aegialita* (Afzel. ex Ach.) B.J. Moore
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Physcia aegialita*, fide Elix & McCarthy (1998)
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinzón, Santa Cruz, Santiago.

References: Dodge, C.W. et al. (1936), Weber, W.A. et al. (1966).

197. *Dirinaria applanata* (Fée) D.D. Awasthi

Taxon status: Accepted name; taxon occurs in Galapagos.

According to A. Aptroot (pers. comm.) in Weber (1986) probably also as *Dirinaria leopoldii*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Weber, W.A. et al. (1986).

198. *Dirinaria confluens* (Fr.) D.D. Awasthi

Taxon status: Taxonomic status unresolved or unrevised.

Syn.: *Physcia confluens*, fide Elix & McCarthy (1998); the only CDS specimen (Ap 63111) has a UV-medulla and otherwise looks like *D. confusa*, this record is thus probably a misidentification, but check COLO loan, and do chemistry!!!, fide F. Bungartz

Origin: No Data.

Galapagos Distribution: Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

199. *Dirinaria confusa* D.D. Awasthi

Taxon status: Accepted name; taxon occurs in Galapagos.

A. Aptroot (pers. comm.) suspects that Weber's specimens are misidentification of *Dirinaria aegialita*.

However, TLC by K.Kalb & F. Bungartz confirms that the specimens have indeed been correctly identified as *D. confusa*.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Genovesa, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Weber, W.A. et al. (1986).

200. *Dirinaria consimilis* (Stirt.) D.D. Awasthi

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

201. *Dirinaria leopoldii* (Stein) D.D. Awasthi

Taxon status: Accepted name; taxon occurs in Galapagos.

One specimen of Weber cited in Awasthi (1975): South Plaza, Weber L-40110; Two specimens in COLO (L-40736, L-40762), coll. Itow

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Santa Cruz, Santiago.

References: Awasthi, D.D. et al. (1975), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

202. *Dirinaria papillulifera* (Nyl.) D.D. Awasthi
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz, Santiago.
203. *Dirinaria picta* (Sw.) Schaer. ex Clem.
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Physcia picta*, fide Elix & McCarthy (1998)
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.
References: LeDee, O.E. et al. (2000).
204. *Dyplolabia afzelii* (Ach.) A. Massal.
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Graphis afzelii*
Origin: Native, Indigenous.
IUCN Red List: Critically Endangered.
Galapagos Distribution: Floreana, Santiago.
References: Bungartz, F. et al. (2009), Weber, W.A. et al. (1986).
205. *Echinoplaca epiphylla* Fée
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Isabela, Santa Cruz.
References: Kirk, P. (ed.) et al. (2013).
206. *Echinoplaca leucotrichoides* (Vain.) R. Sant.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz.
207. *Echinoplaca verrucifera* Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.
208. *Endocarpon nigromarginatum* H. Harada
Taxon status: Accepted name; taxon occurs in Galapagos.
material confirmed by O. Breuss
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Pinzón.

209. *Endocarpon pallidulum* (Nyl.) Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

O. Breuss: previously rejected, but one record now confirmed (Bungartz, F. 6527, CDS 34745); F. Bungartz: in previous versions of this checklist erroneously spelled as *Endocarpon pallidellum*.

Origin: Not In Galapagos, Not In Galapagos.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Pinzón, San Cristóbal, Santa Cruz, Santiago.

210. *Endocarpon petrolepideum* (Nyl.) Hue

Taxon status: Accepted name; taxon occurs in Galapagos.

material confirmed by O. Breuss

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santiago.

211. *Endocarpon pusillum* Hedw.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: previously already confirmed by Weber (1986), material confirmed by Breuss, but some specimens are *Endocarpon pallidellum* Ach.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinzón, San Cristóbal, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

212. *Enterographa anguinella* (Nyl.) Redinger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Isabela, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2008).

213. *Enterographa leucolyta* (Nyl.) Redinger

Taxon status: Identification not yet confirmed.

F. Bungartz: identification cannot be verified, specimen missing (Aptroot 63270, CDS 30006; unicate loan not returned)

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Aptroot, A. et al. (2008).

214. *Enterographa pallidella* (Nyl.) Redinger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Santa Cruz.

References: Aptroot, A. et al. (2008).

215. *Enterographa subserialis* (Nyl.) Redinger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Santa Cruz.

References: Aptroot, A. et al. (2008).

216. *Erioderma mollissimum* (Samp.) Du Rietz

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santiago.

217. *Erioderma soreliatum* D.J. Galloway & P.M. Jørg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

218. *Eugeniella ortizii* (Lücking) Lücking, Sérus. & Kalb

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

219. *Everniastrum vexans* (Zahlbr. ex W.L. Culb. & C.F. Culb.) Hale ex Sipman

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia vexans*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

220. *Fellhanera encephalarti* (V■zda) V■zda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

221. *Fellhanera fuscata* (Müll. Arg.) V■zda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: San Cristóbal.

References: Kirk, P. (ed.) et al. (2013).

222. *Fellhanera parvula* (Vezda) Vezda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

223. *Fellhanera rubida* (Müll. Arg.) Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Santa Cruz.

224. *Fellhanera stanhopeae* (Müll. Arg.) Lücking, Lumbsch & Elix

Taxon status: Accepted name; taxon occurs in Galapagos.

Santesson (1952) changed the original epithet stanhopiae to stanhopeae. The epithet is based on the orchid genus Stanhopea, on which the type was found, and this name is sometimes misspelled Stanhopia.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

225. *Fellhanera sublecanorina* (Nyl.) Vezda

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Bacidia sublecanorina, fide A. Aptroot (pers. comm.); specimen in COLO (63764, in packet of Tapellaria epiphylla), det. Vezda

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

226. *Fissurina aff. comparilis* (Nyl.) Nyl.

Taxon status: Identification not yet confirmed.

F. Bungartz: preliminary identification based on a single specimen (Aptroot 63929) only.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. (2009).

227. *Fissurina columbina* (Tuck.) Staiger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

References: Bungartz, F. et al. (2009).

228. *Fissurina comparilis* (Nyl.) Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

229. *Fissurina dumastioides* (Fink) Staiger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. (2009).

230. *Fissurina tectigera* (Eschw.) Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Floreana.

231. *Flakea papillata* O.E. Erikss.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Agonimia papillata*, fide Index Fungorum and A. Aptroot; Syn.: *Psoroglaena cubensis* auct. non Müll. Arg., fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Muggia, L. et al. (2009), Weber, W.A. et al. (1993).

232. *Flavoparmelia leucoxantha* (Müll. Arg.) Hale ex DePriest & B.W. Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pseudoparmelia leucoxantha*.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Isabela, Santa Cruz.

233. *Glyphis cicatricosa* Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

234. *Glyphis scyphulifera* (Ach.) Staiger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, San Cristóbal, Santiago.
References: Bungartz, F. et al. (2009).

235. *Gomphillus hyalinus* (Pat.) Lücking, Kalb & Vězda
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Gomphillus ophiosporus* Kalb & Vězda
Origin: Native, Indigenous.
Galapagos Distribution: Unknown.

236. *Graphis acharii* Fée
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Isabela, Santa Cruz, Santiago.
References: Bungartz, F. et al. (2009).

237. *Graphis adpressa* Vain.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Santa Cruz.
References: Bungartz, F. et al. (2009).

238. *Graphis anfractuosa* (Eschw.) Eschw.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.
References: Bungartz, F. et al. (2009).

239. *Graphis caesiella* Vain.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.
References: Bungartz, F. et al. (2009), Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

240. *Graphis cincta* (Pers.) Aptroot
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

241. *Graphis cleistomma* Nyl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Vulnerable.
Galapagos Distribution: Isabela, Santiago.
References: Bungartz, F. et al. (2009).
242. *Graphis conferta* Zenker
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, Isabela, Santa Cruz.
References: Kirk, P. (ed.) et al. (2010).
243. *Graphis crebra* Vain.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.
References: Bungartz, F. et al. (2009).
244. *Graphis dichotoma* (Müll. Arg.) Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santiago.
References: Bungartz, F. et al. (2009).
245. *Graphis disserpens* Nyl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: San Cristóbal.
References: Kirk, P. (ed.) et al. (2010).
246. *Graphis dupaxana* Vain.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Floreana.
References: Kirk, P. (ed.) et al. (2013).
247. *Graphis elongata* Vain.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

248. *Graphis flavominiata* Moncada & Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

249. *Graphis furcata* Fée

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Floreana, Isabela.

References: Kirk, P. (ed.) et al. (2013).

250. *Graphis glaucescens* Fée

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Graphis bulacana* Vain.

Origin: Introduced, Questionable Native.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Bungartz, F. et al. (2009).

251. *Graphis handelii* Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

252. *Graphis illinata* Eschw.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

253. *Graphis immersella* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

254. *Graphis immersicans* A.W. Archer

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Floreana.

References: Kirk, P. (ed.) et al. (2013).

255. *Graphis intricata* Fée

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

256. *Graphis leptoclada* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Isabela.

References: Kirk, P. (ed.) et al. (2013).

257. *Graphis leptospora* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

258. *Graphis longula* Kremp.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal.

References: Kirk, P. (ed.) et al. (2010).

259. *Graphis modesta* Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Pinta, San Cristóbal.

References: Kirk, P. (ed.) et al. (2010).

260. *Graphis oxyclada* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

261. *Graphis paradisserpens* Sipman & Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: San Cristóbal.
References: Kirk, P. (ed.) et al. (2010).
262. *Graphis pedunculata* Bungartz & Aptroot
Taxon status: Accepted name; taxon occurs in Galapagos.
Holotype Bungartz 5701 (CDS 28799)
Origin: Native, Endemic.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santiago.
References: Bungartz, F. et al. (2009).
263. *Graphis phaeospora* Vain.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz.
References: Bungartz, F. et al. (2009).
264. *Graphis pinicola* Zahlbr.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Isabela.
References: Kirk, P. (ed.) et al. (2013).
265. *Graphis platycarpa* Eschw.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: San Cristóbal.
References: Kirk, P. (ed.) et al. (2010).
266. *Graphis rimulosa* (Mont.) Trevis.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz, Santiago.
References: Bungartz, F. et al. (2009).
267. *Graphis subchrysocarpa* Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
In Weber (1993) as *Phaeographina chrysocarpa*

Origin: Native, Indigenous.

IUCN Red List: Critically Endangered.

Galapagos Distribution: Pinta.

References: Bungartz, F. et al. (2009), Weber, W.A. et al. (1993).

268. *Graphis subintermedians* Hale ex Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Isabela.

References: Kirk, P. (ed.) et al. (2013).

269. *Graphis submarginata* Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

270. *Graphis tenella* Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

271. *Graphis vestitoides* (Fink) Staiger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Pinta, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

272. *Graphis xanthospora* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

273. *Gyalectidium catenulatum* (Cavalc. & A.A. Silva) L.I. Ferraro, Lücking & Sérus.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

274. *Gyalectidium eskucheii* Sérus. & J.R. De Sloover

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

275. *Gyalectidium filicinum* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

276. *Gyalectidium imperfectum* Vozda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

277. *Gyalideopsis palmata* Kalb & Vozda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

278. *Gyalideopsis subaequatoriana* Lücking & W.R. Buck

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

279. *Gyalideopsis vulgaris* (Müll. Arg.) Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

280. *Haematomma personii* (Fée) A. Massal.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1966, 1986) and Elix & McCarthy (1998) as *Haematomma puniceum*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Genovesa, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

281. *Helminthocarpon leprevostii* Fée
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.
References: Bungartz, F. et al. ().
282. *Heppia despreauxii* (Mont.) Tuck.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela.
283. *Herpothallon aff. confluenticum* Aptroot & Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Floreana, Isabela, Santa Cruz.
References: Bungartz, F. et al. ().
284. *Herpothallon echinatum* Aptroot, Lücking & Will-Wolf
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Santa Cruz.
References: Bungartz, F. et al. ().
285. *Herpothallon granulare* (Sipman) Aptroot & Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz.
References: Bungartz, F. et al. (2013), Bungartz, F. et al. ().
286. *Herpothallon hyposticticum* Bungartz & Elix
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.
References: Bungartz, F. et al. ().
287. *Herpothallon rubrocinctum* (Ehrenb.: Fr.) Aptroot, Lücking & G. Thor
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Herpothallon sanguineum*, *Chiodecton sanguineum* and *C. rubrocinctum*, fide Aptroot et al. (2009)
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Fernandina, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2009), Dodge, C.W. et al. (1935), Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), LeDee, O.E. et al. (2000), Stewart, A. et al. (1912), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

288. *Herpothallon rubroechinatum* Frisch & G. Thor

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. ().

289. *Herpothallon saxorum* Bungartz & Elix

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Questionable Endemic.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2013), Bungartz, F. et al. ().

290. *Heterocyphelium leucampyx* (Tuck.) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Isabela, Pinta.

291. *Heterodermia albicans* (Pers.) Swinscow & Krog

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Physcia albicans*, fide F. Bungartz, *Physcia crispa*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago, Wolf.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

292. *Heterodermia antillarum* (Vain.) Kurok.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Fernandina, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

293. *Heterodermia appalachensis* (Kurok.) W.L. Culb.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz & K. Kalb: this species is reported endemic to the North American Appalachians, but very similar to *H. lutescens*, the only difference being the soralia (capitate to labriform in *H. appalachensis*; subcapitate in *H. lutescens*), both forms occur in Galapagos and quite possibly belong to one and the same species.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal, Santa Cruz.

294. *Heterodermia circinalis* (Zahlbr.) W.A. Weber

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Anaptychia leucomelaena* f. *circinalis*, *Anaptychia circinalis*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Pinta, Santiago.

References: Weber, W.A. et al. (1981).

295. *Heterodermia comosa* (Eschw.) Follmann & Redón

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Anaptychia comosa*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Floreana, Isabela, Pinta, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

296. *Heterodermia coralliphora* (Taylor) Skorepa

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Anaptychia coralliphora* [corallophora] Taylor; F. Bungartz & K. Kalb: the spelling "corallophora" is an orthographical error that needs to be corrected to "corallifera".

Origin: No Data.

Galapagos Distribution: San Cristóbal, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

297. *Heterodermia diademata* (Taylor) D.D. Awasthi

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: wrongly keyed in Martins (2007); the species is fertile and has no vegetative propagules.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, San Cristóbal.

References: Martins, M.F.N. et al. (2007).

298. *Heterodermia galactophylla* (Tuck.) W.L. Culb.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz.

299. *Heterodermia japonica* (M. Satô) Swinscow & Krog

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

300. *Heterodermia leucomela ssp. boryi* (Fée) Swinscow & Krog

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz.

301. *Heterodermia leucomela ssp. leucomela* (Fée) Swinscow & Krog

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: first reported from Galapagos by Hooker (1847) as *Borrera leucomelas* var. *filiformis* (Dix) Hook. f.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Hooker, J.D. et al. (1847), Stewart, A. et al. (1912), Weber, W.A. et al. (1986).

302. *Heterodermia lutescens* (Kurok.) Follmann

Taxon status: Taxonomic status unresolved or unrevised.

Syn.: *Anaptychia lutescens*; F. Bungartz: How does this differ from *H. appalachensis*?

Origin: No Data.

Galapagos Distribution: Floreana, Isabela, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

303. *Heterodermia obscurata* (Nyl.) Trevis.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Anaptychia obscurata*, fide Index Fungorum

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

304. *Heterodermia podocarpa* (Bél.) D.D. Awasthi

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Anaptychia podocarpa*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Dodge, C.W. et al. (1936), Weber, W.A. et al. (1966).

305. *Heterodermia speciosa* (Wulfen) Trevis.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Santiago.

306. *Heterodermia squamulosa* (Degel.) W.L. Culb.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) and Elix & McCarthy (1998) as *Heterodermia lepidota*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

307. *Heterodermia verrucifera* (Kurok.) W.A. Weber

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Anaptychia leucomelaena* f. *verrucifera*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Weber, W.A. et al. (1981).

308. *Hyperphyscia adglutinata* (Flörke) H. Mayrhofer & Poelt

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Physcia adglutinata*, fide Elix & McCarthy (1998); In Weber (1986) as *Phaeophyscia hispidula*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Santiago.

References: Dodge, C.W. et al. (1936), Weber, W.A. et al. (1966).

309. *Hyperphyscia pandani* (H. Magn.) Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, San Cristóbal.

310. *Hypotrachyna costaricensis* (Nyl.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

311. *Hypotrachyna exsplendens* (Hale) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Santa Cruz.

References: Sipman, H.J.M. et al. (2009).

312. *Hypotrachyna isidiocera* (Nyl.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia isidiocera*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Sipman, H.J.M. et al. (2009).

313. *Hypotrachyna microblasta* (Vain.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia microblasta*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Sipman, H.J.M. et al. (2009), Weber, W.A. et al. (1986).

314. *Hypotrachyna osseoalba* (Vain.) Y.S. Park & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

315. *Hypotrachyna sanjosensis* Elix, T.H. Nash & Sipman

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Santa Cruz.

316. *Julella aff. vitrispora* (Cooke & Harkn.) M.E. Barr

Taxon status: Identification not yet confirmed.

F. Bungartz & R. Miranda: the material is similar to *J. vitrispora* but does not agree in all characters; possibly an undescribed species.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

317. *Julella asema* R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Santa Cruz.

318. *Julella avicenniae* (Borse) K.D. Hyde

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: non-lichenized phytopathogen

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal.

319. *Julella geminella* (Nyl.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Santiago.

320. *Lecanactis abietina* (Ehrh. ex Ach.) Körb.

Taxon status: Accepted name; taxon occurs in Galapagos.

fide annotations J.M. Egea & P. Torrente, 1990 and F. Bungartz, 2009 (FH-TUCK 197166)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

321. *Lecanactis epileuca* (Nyl.) Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, San Cristóbal.

References: Kirk, P. (ed.) et al. (2010).

322. *Lecanographa brattiae* (Egea & Ertz) Ertz & Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Opegrapha brattiae* Ertz & Tehler

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Fé.

References: Ertz, D. et al. (2010).

323. *Lecanographa hypothallina* (Zahlbr.) Egea & Torrente

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Pinzón, Santa Cruz.

References: Aptroot, A. et al. (2008).

324. *Lecanographa laingiana* Diederich, Egea & Sipman

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Isabela, Pinta, Santa Cruz, Santa Fé.

References: Aptroot, A. et al. (2008).

325. *Lecanographa lyncea* (Sm.) Egea & Torrente
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Isabela, Santa Cruz, Santa Fé, Santiago.
References: Aptroot, A. et al. (2008).
326. *Lecanographa microcarpella* (Müll. Arg.) Egea & Torrente
Taxon status: Accepted name; taxon occurs in Galapagos.
In Aptroot & Sparrius (2008) as *Lecanographa illecebrosula*, fide F. Bungartz annotations, 2008 and fide D. Ertz annotations, 2011.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.
References: Aptroot, A. et al. (2008).
327. *Lecanographa subcaesioides* Egea & Torrente
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, Santa Cruz, Santiago, Wolf.
References: Aptroot, A. et al. (2008).
328. *Lecanora avium* (Zahlbr.) Hertel
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Lecidea chilena*, fide Elix & McCarthy (1998)
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
329. *Lecanora caesiorubella* Ach.
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Lecanora caesiorubella* ssp. *glaucomodes*, fide Elix & McCarthy (1998)
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Fernandina, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
330. *Lecanora expallens* Ach.
Taxon status: Identification not yet confirmed.
F. Bungartz: material needs verification
Origin: No Data.
Galapagos Distribution: Isabela, Santiago.

331. *Lecanora floridula* Lumbsch
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinzón, San Cristóbal, Santa Cruz, Santiago.
References: Guderley, R. et al. (1999).
332. *Lecanora galactiniza* Nyl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Pinzón, San Cristóbal, Santa Cruz, Santiago.
333. *Lecanora legalloana* Elix & Øvstedal
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.
334. *Lecanora leprosa* Fée
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Wolf.
References: Elix, J.A. et al. (1998), Guderley, R. et al. (1999), Weber, W.A. et al. (1986).
335. *Lecanora oreinoides* (Körb.) Hertel & Rambold
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Lecidea oreinoides*
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santa Fé, Santiago.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
336. *Lecanora pseudopinguis* W.A. Weber
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Wolf.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).
337. *Lecanora schindleri* Guderley
Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

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

References: Guderley, R. et al. (1999).

338. *Lecanora strobilina* (Spreng.) Kieff.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santiago.

339. *Lecanora subcrenulata* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

340. *Lecanora subimmergens* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santiago.

341. *Lecanora subimmersa ssp. ramboldii* Lumbsch & Elix

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: Both chemotypes occur in Galapagos (previously only *L. subimmersa ssp. subimmersa* reported by Guderley 1999)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal.

References: Guderley, R. et al. (1999).

342. *Lecanora subimmersa ssp. subimmersa* (Fée) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santiago.

References: Guderley, R. et al. (1999).

343. *Lecanora substrobilina* Printzen

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

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

344. *Lecanora sulfurescens* Fée

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Darwin, Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Wolf.

References: Elix, J.A. et al. (1998), Guderley, R. et al. (1999), Weber, W.A. et al. (1986).

345. *Lecanora tropica* Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Guderley, R. et al. (1999).

346. *Lecidella asema* (Nyl.) Knoph & Hertel

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Pinzón, Santa Cruz, Santiago.

347. *Lecidopyrenopsis corticola* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Pinta.

348. *Leiorreuma sericeum* (Eschw.) Staiger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Fernandina, Isabela, Pinta, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

349. *Lempholemma dussii* (Vain.) Zahlbr.

Taxon status: Identification not yet confirmed.

In Weber (1993) and Elix & McCarthy (1998) erroneously as *Lempholemma dussiana*; Specimens in COLO: Weber & Lanier (L-62925), Weber (L-63035); material being revised by M. Schultz

Origin: No Data.

Galapagos Distribution: Unknown.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1993).

350. *Lepraria finkii* (B. de Lesd.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2013).

351. *Lepraria lendemeri* Bungartz, Elix, Hillmann & Kalb

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Unknown.

References: Bungartz, F. et al. (2013).

352. *Lepraria tenella* (Tuck.) Lendemer & Hodkinson

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Stereocaulon tenellum* Tuck., *Leprocaulon tenellum* (Tuck.) Nyl., F. Bungartz: erroneously listed as *Stereocaulon albicans* by Elix & McCarthy (1998); as "*Lepraria tenellum*" by Lendemer & Hodkinson (2013), erroneous use of gener for the the species' epithet according to Art. 23.5 Melbourne Code,

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2013), Elix, J.A. et al. (1998), Lendemer, J.C. et al. (2013), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

353. *Lepraria vouauxii* (Hue) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. (2013).

354. *Leprocollema novocaledonianum* A.L. Sm. [as 'nova-caledonianum']

Taxon status: Identification not yet confirmed.

F. Bungartz: previously listed as "*Lemmopsis novae-caledoniarum* fide Aptroot", but this combination is problematic, because this has never been published; M. Schultz: the specimen is currently being revised and it is probably not identical with *Leprocollema novaecaledonianum*, but possibly a new species.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

355. *Leproplaca chrysodeta* (Vain. ex Räs.) J. Laundon

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Caloplaca chrysodeta* (Vain. ex Räsänen) Dombro.; U. Søchting: No molecular data are available, but the morphology and secondary chemistry conform with *C. chrysodeta*, which is recorded as the only leprose *Caloplaca* from the Sonoran Desert.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

356. *Leptogium azureum* (Sw. ex Ach.) Mont.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2008).

357. *Leptogium cyanescens* (Pers.) Körb.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2008), Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

358. *Leptogium javanicum* (Mont. & Bosch) Mont.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Isabela, Santa Cruz.

References: Bungartz, F. et al. (2008).

359. *Leptogium marginellum* (Sw.) Gray

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2008), Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), LeDee, O.E. et al. (2000), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

360. *Leptogium milligranum* Sierk

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) and Elix & McCarthy (1998) cited as *L. millegranum*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Fernandina, Floreana, Isabela, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2008), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

361. *Leptogium phyllocarpum* (Pers.) Mont.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2008).

362. *Leptogium punctulatum* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Leptogium foveolatum*, fide Weber (1981)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz.

References: Bungartz, F. et al. (2008), Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

363. *Leptotrema wightii* (Taylor) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Myriotrema wightii*, fide F. Bungartz

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

364. *Leucodecton occultum* (Eschw.) Frisch

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Myriotrema compunctum*, *Leptotrema compunctum*, fide F. Bungartz, 2008

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

365. *Leucodecton subcompunctum* (Nyl.) A. Frisch

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal.

366. *Lichenoconium sp. 1*

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

Index Fungorum: anamorphic Pezizomycotina

Origin: No Data.

Galapagos Distribution: Isabela.

References: Kirk, P. (ed.) et al. (2010).

367. *Lithothelium fluorescens* Aptroot & Sipman

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Pinzón, Santa Cruz, Santiago.

368. *Lithothelium illotum* (Nyl.) Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Santa Cruz.

369. *Lithothelium microsporum* R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz & R. Miranda: Galapagos material of this species erroneously referred to as *L. obtectum* by Aptroot (2006).

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Aptroot, A. et al. (2006).

370. *Lobariella exornata* (Zahlbr.) Yoshim.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

371. *Lobariella pallida* (Hook. f.) Moncada & Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Unknown.

References: Lumbsch, H.T. et al. (2010).

372. *Malcolmiella cf. granifera* (Ach.) Kalb & Lücking

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

Syn.: *Lecidea cf. granifera*, fide Index Fungorum

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

373. *Malcolmiella polycampia* (Tuck.) Cáceres & Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz.

374. *Megalaria bengalensis* Jagadeesh, Aptroot, G.P. Sinha & Kr.P. Singh

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

References: Jagadeesh Ram, T.A.M. et al. (2007).

375. *Megalaria pulvereae* (Borrer) Haffelner & Schreiner

Taxon status: Accepted name; taxon occurs in Galapagos.

Sy.: *Catinaria pulverea* (Borrer) Vězda & Poelt, *Catillochroma pulverea* (Borr.) Kalb

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. (2013).

376. *Megalospora galapagoensis* Bungartz, Ziemmeck & Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Type:—ECUADOR. Galápagos: Isla San Cristóbal, trail from Cerro Pelado to El Ripioso, 0°52'S, 89°28'W, 392 m, transition zone, Psidium guajava forest with some old Hippomane mancinella trees and dense understory of Rubus niveus, Tournefortia rufosericea and Zanthoxylum fagara, on bark, S-exposed side of inclined Hippomane mancinella trunk (ca. 20 cm in diameter), semi-shaded, wind- and rain-sheltered, August 2008, Bungartz 8516 (holotype CDS-41162, isotype F).

Origin: Native, Endemic.

IUCN Red List: Vulnerable.

Galapagos Distribution: San Cristóbal, Santa Cruz.

References: Lumbsch, H.T. et al. (2010).

377. *Milospium graphidiorum* (Nyl.) D. Hawksw.

Taxon status: Identification not yet confirmed.

Index Fungorum: anamorphic Pezizomycotina

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

378. *Minutoexcipula sp. 1*

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

Index Fungorum: anamorphic Pezizomycotina

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

379. *Mycocalicium americanum* (R. Sant.) Tibell

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santa Fé, Santiago.

380. *Mycocomrothelia subfallens* (Müll. Arg.) D. Hawksw.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1993).

381. *Mycomicrothelia thelena* (Ach.) D. Hawksw.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, San Cristóbal.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1993).
382. *Mycoporum compositum* (A. Massal.) R.C. Harris
Taxon status: Accepted name; taxon occurs in Galapagos.
F. Bungartz: Aptroot 63342, material needs verification
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Pinta, Santa Cruz, Santiago.
383. *Mycoporum eschweileri* (Müll. Arg.) R.C. Harris
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: Tomasellia eschweileri (Müll. Arg.) R.C. Harris
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Pinta, Pinzón, Santa Cruz, Santiago.
384. *Mycoporum sparsellum* Nyl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santa Cruz.
385. *Myriotrema myrioporum* (Tuck.) Hale
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Santiago.
References: Kirk, P. (ed.) et al. (2013).
386. *Myriotrema olivaceum* Fée
Taxon status: Accepted name; taxon occurs in Galapagos.
F. Bungartz: Santiago, on Zanthoxylum, coll. Pike ID18-19, det. Hale (OSC 101980); specimen in COLO not seen (COLO 55414)
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
387. *Normandina pulchella* (Borrer) Nyl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

388. *Ochrolechia africana* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1966, 1986) and Elix & McCarthy (1998) as *Ochrolechia pallescens*

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

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

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

389. *Ochrolechia pallescens* s.l. (L.) A. Massal.

Taxon status: Identification not yet confirmed.

Syn.: *Lecanora pallescens*, fide Elix & McCarthy (1998); chemical reactions agree with *O. pallescens*, but the Galapagos material grows in arid vegetation

Origin: No Data.

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

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

390. *Ochrolechia subpallescens* Verseghy

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

391. *Opegrapha agelaeotera* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

392. *Opegrapha astraea* Tuck.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Santa Cruz.

393. *Opegrapha cactacearum* Riedl

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santa Fé.

394. *Opegrapha cf. foreaui* (Moreau) Hafellner & R. Sant.
Taxon status: The identification of this taxon or its occurrence in Galapagos is doubtful.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
395. *Opegrapha diagrapha* Nyl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
396. *Opegrapha difficilior* Nyl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Pinzón, Santa Cruz, Santiago.
397. *Opegrapha herbarum* Mont.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Pinta, Santa Cruz.
398. *Opegrapha melanospila* Müll. Arg.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santa Cruz.
399. *Opegrapha norstictica* Ertz & Bungartz
Taxon status: Unpublished name (Nomen nudum).
Opegrapha sp. nov. 1 (norstictica) Ertz & Bungartz ined.
Origin: Native, Endemic.
IUCN Red List: Data Deficient.
Galapagos Distribution: Española, Floreana, San Cristóbal, Santa Cruz, Santa Fé, Santiago.
400. *Opegrapha trilocularis* Müll. Arg.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, Santa Cruz.
401. *Opegrapha trochodes* Coppins, F. Berger & Ertz
Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santiago.

402. *Opegrapha vulgata* (Ach.) Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Santa Cruz.

403. *Opegrapha xerica* Torrente & Egea

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana.

404. *Pannaria lurida* (Mont.) Nyl.

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz: record based on a minute specimen fragment collected by Snodgrass & Heller in Fernandina and isolated by B. Weber from the original collection of *Pseudocyphellaria aurata*; locality data are very sparse (Fernandina, 200ft.) and it is not possible to say what original collection the material was isolated from. The specimen was identified by first by Weber as *Erioderma* cf. *wrightii* Tuck., then annotated by P.M. Joergensen 1978 as *Pannaria lurida* (Mont.) Nyl.

Origin: No Data.

Galapagos Distribution: Fernandina.

405. *Parapyrenis "portoricensis"* Aptroot nom. nud.

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz: nomen nudum; specimen identified by A. Aptroot (Aptroot 63057) agrees well with *P. aurora*, the only difference being that the Galapagos material has perithecia that are broadly elongate, possibly an artifact caused by the perithecia being formed in between the wood fibers of the substrate.

Origin: No Data.

Galapagos Distribution: Unknown.

406. *Parapyrenis aurora* (Zahlbr.) Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

407. *Parmeliella stylophora* (Vain.) P.M. Jørg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

408. *Parmelinella wallichiana* (Taylor) Elix & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

409. *Parmelinopsis horrescens* (Taylor) Elix & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

410. *Parmelinopsis minarum* (Vain.) Elix & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

411. *Parmelinopsis spumosa* (Asahina) Elix & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

412. *Parmelinopsis subfatiscens* (Kurok.) Elix & Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Floreana, Santa Cruz, Santiago.

413. *Parmotrema aberrans* (Vain.) Canêz & Marcelli

Taxon status: Accepted name; taxon occurs in Galapagos.

A. Spielmann: previously erroneously identified as *P. neotropicum*, *P. flavescens* or *P. xanthinum*

Origin: No Data.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Pinzón.

414. *Parmotrema aff. bangii* (Vain.) Hale

Taxon status: Identification not yet confirmed.

A. Spielmann: only one single specimen at CDS that still needs TLC for confirmation.

Origin: Not In Galapagos, Not In Galapagos.

Galapagos Distribution: Unknown.

415. *Parmotrema aff. subsidiosum* (Müll. Arg.) Hale
Taxon status: Accepted name; taxon occurs in Galapagos.
A. Spielmann: with unusually well developed ciliate isidia
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
416. *Parmotrema clavuliferum* (Räsänen) Streimann
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: Rimelia clavulifera
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.
417. *Parmotrema conformatum* (Vain.) Hale
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
418. *Parmotrema crinitum* (Ach.) M. Choisy
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: Parmelia crinita, fide Elix & McCarthy (1998)
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
419. *Parmotrema cristiferum* (Taylor) Hale
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: Parmelia cristifera, fide Elix & McCarthy (1998)
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.
References: Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).
420. *Parmotrema dilatatum* (Vain.) Hale
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

421. *Parmotrema dominicanum* (Vain.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia dominicana*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

422. *Parmotrema eborinum* (Hale) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

no description found, keys out in Sipman's key sensu Hale, also annot. specimens from Hale in COLO loan(L-40237,L-40505);without apothecia,isidia,soredia,± lobulate(i.e., broader lobes with smaller marginal lobes),medulla P+ red,K+ yellow turning orange, C-

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinzón.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

423. *Parmotrema endosulphureum* (Hillmann) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia endosulphurea*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

424. *Parmotrema grayanum* (Hue) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santiago.

425. *Parmotrema hypoleucinum* (J. Steiner) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santiago.

426. *Parmotrema internexum* (Nyl.) Hale ex DePriest & B.W. Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santiago.

427. *Parmotrema latissimum* (Fée) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, San Cristóbal.

428. *Parmotrema mellissii* (C.W. Dodge) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

429. *Parmotrema praesorediosum* (Nyl.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia praesorediosa*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

430. *Parmotrema reticulatum* (Taylor) M. Choisy

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Rimelia reticulata*, *Parmelia reticulata*, *Parmotrema leucosemethetum*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

431. *Parmotrema sancti-angeli* (Lynge) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

432. *Parmotrema subsidiosum* (Müll. Arg.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Rimelia subsidiosa*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

433. *Parmotrema tinctorum* (Despr. ex Nyl.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia tinctorum*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago,

Wolf.

References: Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

434. *Parmotrema ultralucens* (Krog) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia subcrinita*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

435. *Parmotrema xanthinum* (Müll. Arg.) Hale

Taxon status: Taxonomic status unresolved or unrevised.

Specimen in COLO (40757) not seen: Cavagnaro s.n., Pinzón, caldera rim, 300 m; F. Bungartz: needs verification

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

436. *Peltigera dolichorrhiza* (Nyl.) Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Isabela.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

437. *Peltigera ulcerata* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

previously misidentified as *P. didactyla* (originally reported by Weber 1986 as *P. erumpens*, later re-identified as *P. spuria* and subsequently cited by Elix & McCarthy as *P. didactyla*), the specimens are not tomentose and thus misidentifications of *P. ulcerata* Müll. Arg.

Origin: Native, Indigenous.

IUCN Red List: Critically Endangered.

Galapagos Distribution: Isabela, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

438. *Peltula bolanderi* (Tuck.) Wetmore

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

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

439. *Peltula euploca* (Ach.) Poelt

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Heppia euploca*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Darwin, Floreana, Isabela, Santa Cruz, Santiago, Wolf.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

440. *Peltula impressa* (Vain.) Swinscow & Krog

Taxon status: Accepted name; taxon occurs in Galapagos.

material confirmed by M. Schultz

Origin: Native, Indigenous.

Galapagos Distribution: Española, San Cristóbal, Santa Cruz, Santiago.

441. *Peltula omphaliza* (Nyl.) Wetmore

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española.

References: Kirk, P. (ed.) et al. (2010).

442. *Peltula placodizans* (Zahlbr.) Wetmore

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

443. *Pertusaria albinea* Tuck. [non Müll. Arg.]

Taxon status: Accepted name; taxon occurs in Galapagos.

Type (FH): on bark, Galapagos Islands, coll. Rev. T. Hill, Hassler Expedition (F. Bungartz: specimen not found during visit to FH, possibly on loan to I. Messuti, one specimen collected and identified by Weber as *P. albinea*, L-40346, COLO 188868; US 69128 isotype seen).

Origin: No Data.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2015), Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Stewart, A. et al. (1912), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

444. *Pertusaria hypothamnolica* Dibben

Taxon status: Identification not yet confirmed.

F. Bungartz: material needs verification

Origin: No Data.

Galapagos Distribution: Unknown.

445. *Pertusaria pustulata* (Ach.) Duby

Taxon status: Identification not yet confirmed.

In Weber (1986) probably as *Pertusaria bispora*

Origin: No Data.

Galapagos Distribution: Unknown.

446. *Pertusaria tejocotensis* B. de Lesd.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Pinta.

References: Bungartz, F. et al. (2015).

447. *Pertusaria texana* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pertusaria bispora* Farl. ex Lindner; Type in Farlow Herbarium (FH): Genovesa, A. Stewart, 153, Isotype in CAS, No. 119734; FH 197376 is *Pertusaria texana*, fide F. Bungartz annotation, 2009

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Bungartz, F. et al. (2015).

448. *Pertusaria xanthodes* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Fé.

References: Bungartz, F. et al. (2015).

449. *Phaeographis atromaculata* (A.W. Archer) A.W. Archer

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Phaeographis kalbii*, fide Bungartz et al. (2009)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Fernandina, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

450. *Phaeographis brasiliensis* (A. Massal.) Kalb & Matthes-Leicht

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinta, San Cristóbal, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

451. *Phaeographis decipiens* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela.

References: Bungartz, F. et al. (2009).

452. *Phaeographis dendritica* (Ach.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

453. *Phaeographis fusca* Staiger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

454. *Phaeographis intricans* (Nyl.) Staiger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

455. *Phaeographis leiogrammodes* (Kremp.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinzón, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

456. *Phaeographis lobata* (Eschw.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

457. *Phaeographis major* (Kremp.) Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

458. *Phaeographis punctiformis* (Eschw.) Müll. Arg.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.
References: Bungartz, F. et al. (2009).
459. *Phaeographis striata* Bungartz
Taxon status: Accepted name; taxon occurs in Galapagos.
Holotype Bungartz 6606 (CDS 34826)
Origin: Native, Endemic.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, San Cristóbal.
References: Bungartz, F. et al. (2009).
460. *Phaeophyscia nigricans* (Flörke) Moberg
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Isabela.
461. *Phaeophyscia pusilloides* (Zahlbr.) Essl.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela, Santiago.
462. *Phyllopsora confusa* Swinscow & Krog
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.
463. *Phyllopsora intermediella* (Nyl.) Zahlbr.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz, Santiago.
464. *Phyllopsora kalbii* Brako
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

465. *Phyllopsora parvifolia* (Pers.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinta, Santiago.

466. *Physcia atrostriata* Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Moberg, R. et al. (1990).

467. *Physcia callosa* Nyl.

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz, only one COLO specimen annotated as *P. callosa* (L-40013, COLO 185766), all other numbers cited in Weber (1986 p. 478) are repeated again under *P. insularis* [L-40343, COLO 188855 (erroneously as L-30434); L-40198, COLO 189935; and L-40449, COLO 193411, all determined by Weber as *P. insularis*];

A. Aptroot: misidentification/synonym of *Physcia tribacioides*?

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

468. *Physcia crispa* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

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

References: Elix, J.A. et al. (1998).

469. *Physcia decorticata* Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Santa Cruz.

470. *Physcia dubia* (Hoffm.) Lettau

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

471. *Physcia erumpens* Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Pinzón, Santa Cruz, Santiago.

472. *Physcia insularis* Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: according to Weber (1986 p. 478) the type of this species designated by Zahlbruckner (Ann. Mycol. 29:86. 1831) is deposited in Vienna (Floreana, Post Office Bay, Herre s.n.; W). Weber (1986) cites several specimens in COLO that he considers identical with Zahlbruckner's original description [L-40343, COLO 188855 (erroneously as L-30434); L-40198, COLO 189935; L-40389, COLO 188941; and L-40449, COLO 193411]. He emphasizes that he therefore disagrees with Thompson (1963 p. 14) who, based on Zahlbruckner, Krypt. Exs. no. 3170, suggested that the species, contrary to Zahlbruckner's protologue is not sorediate, but fertile. Weber correctly points out that the exsiccate specimens must not necessarily be considered identical with Zahlbruckner's type and he further suggest that the exsiccate might even be a mixture of both *P. insularis* and *P. mexicana*. It is not clear from the text in Weber (1986 p. 478), however, if Weber has actually seen the type material himself, but he annotated one specimen (L-40343, COLO 188855) as " p.p.; exactly matching the type"; as originally suggested the species is possibly a Galapagos endemic.

Origin: Native, Endemic.

Galapagos Distribution: Floreana, Santa Cruz.

References: Elix, J.A. et al. (1998), Thomson, J.W. et al. (1963), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

473. *Physcia integrata* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española.

474. *Physcia kalbii* Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz.

475. *Physcia lobulata* Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Santa Cruz, Santiago.

476. *Physcia lopezii* Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santiago.

477. *Physcia mexicana* B. de Lesd.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: all Galapagos specimens consistently lack zeorin, but nevertheless have a distinctly K+ yellow medulla. The material is thus chemically and morphologically distinct both from *P. aipolia* (with zeorin, medulla K+ yellow) and *P. biziana* (lacking zeorin, but medulla K-). According to Weber (1986 p. 479) *P. mexicana* has a K+ yellow medulla. He also annotated a COLO specimen (L-54827, COLO 255255) as: "topotype and exactly matching the type (= *P. mexicana* de Lesd., med. K+ yel., not = *B. biziana* as Thomson claimed)". This annotation is, however, partly incorrect. *Physcia mexicana* was described from Mexico. A Galapagos specimen thus cannot possibly be considered a topotype, which, by definition is a specimen collected at the type collection. *Physcia mexicana* was not included in Moberg (1990), because possible syntype material in UPS is in very poor condition. At the time of Moberg's studies, the species was considered synonymous with *P. aipolia*, but TLC was not performed and it is possible that the scant material reacts K+ yellow, but lacks zeorin (Moberg, pers. com.). Until the chemistry of the type material has been studied, the name is used here in the sense of Weber (1986) and Elix and not considered a synonym of *P. aipolia*.

Origin: Not In Galapagos, Not In Galapagos.

IUCN Red List: Data Deficient.

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

References: Elix, J.A. et al. (1998), Moberg, R. et al. (1990), Weber, W.A. et al. (1986).

478. *Physcia poncinsii* Hue

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

479. *Physcia rolfii* Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

480. *Physcia sinuosa* Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santiago.

481. *Physcia solediosa* (Vain.) Lyngé

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Fernandina, Floreana, Isabela, Pinta, Pinzón, Santa Cruz, Santiago.

References: Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

482. *Physcia undulata* Moberg

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinzón.

483. *Physma byrsinum* (Ach.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: only one single, historic specimen (Sipman L-70, COLO L-63545, from Cerro Azul, Isabela, H. Sipman L-70, 22-25 June 1976); recently found again on a collection trip to Cerro Azul

Origin: Native, Indigenous.

IUCN Red List: Critically Endangered.

Galapagos Distribution: Isabela.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

484. *Piccolia conspersa* (Fée) Hafellner

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinta, Santa Cruz.

485. *Placopsis cribellans* (Nyl.) Räsänen

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz: no material from Galapagos found in FH during 2009 visit; reported by Lamb [1947, p. 223 and p. 227: "Exact locality not stated, 1872 (Hassler Exp.) (f. tuberculifera) (ster.) (K.)"]; Weber (1966 p. 196) was unable to find the specimen and cites P. James (pers. comment), that the material was very likely not collected in Galapagos, since it grows on quartzite; specimen at K (not seen).

Origin: Not In Galapagos, Not In Galapagos.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Lamb, I.M. et al. (1947), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

486. *Placopsis perrugosa* (Nyl.) Nyl.

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz: not cited in Weber (1966, 1986, 1993), but in Elix & McCarthy (1998), based on a record by Lamb [1947, p. 268 and p. 270: "Galapagos Islands. Exact locality not stated, 1872 (Hassler Exp.) (fert.) (BM.)"]; specimen at BM (not seen).

Origin: No Data.

Galapagos Distribution: Unknown.

References: Elix, J.A. et al. (1998), Lamb, I.M. et al. (1947).

487. *Polychidium muscicola* (Sw.) Gray

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

488. *Polychidium stipitatum* Vězda & W.A. Weber

Taxon status: Identification not yet confirmed.

F. Bungartz: Aptroot 64694 material needs verification

Origin: No Data.

Galapagos Distribution: Santa Cruz.

489. *Porina atrocoerulea* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

490. *Porina cestrensis* (Tuck.) Müll. Arg. agg.

Taxon status: Identification not yet confirmed.

F. Bungartz: a group of very similar species; material needs further studies.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

491. *Porina conspersa* Malme

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz & R. Miranda: only one single fertile specimen in CDS, all others sterile and thus referred to *P. distans* (according to Lücking 2008).

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010), Lücking, R. et al. (2008).

492. *Porina cubana* Vězda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

493. *Porina distans* Vězda & Vivant

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz & R. Miranda: the sterile material with coralloid isidia most likely belongs to *P. conspersa*, but since no perithecia could be found treated here according to Lücking (2008) as *P. distans*.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz.

References: Lücking, R. et al. (2008).

494. *Porina guentheri* (Flot.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinzón, Santa Cruz.

495. *Porina leptalea* (Durieu & Mont.) A.L. Sm.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

496. *Porina melanops* Malme

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal, Santa Cruz.

497. *Porina nitidula* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

498. *Porina nucula* Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

499. *Porina tetramera* (Malme) R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

500. *Pseudocyphellaria argyracea* (Delise) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Critically Endangered.

Galapagos Distribution: Floreana, Pinzón, San Cristóbal.

References: Elix, J.A. et al. (1998), Galloway, D.J. et al. (1990), Weber, W.A. et al. (1986).

501. *Pseudocyphellaria crocata* (L.) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pseudocyphellaria mougeotiana* var. *aurigera*, *Pseudocyphellaria xantholoma*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Santa Cruz, Santiago.

References: Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Galloway, D.J. et al. (1990), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

502. *Pseudocyphellaria dozyana* (Mont. & Bosch) D.J. Galloway

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Pseudocyphellaria mougeotiana* var. *aurigera* (= ? *Pseudocyphellaria crocata*), fide Weber (1993)

Origin: Native, Questionable Endemic.

IUCN Red List: Vulnerable.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Galloway, D.J. et al. (1985), Galloway, D.J. et al. (1990), Weber, W.A. et al. (1993), Weber, W.A. et al. (1986).

503. *Pseudocyphellaria encoensis* R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz, Santiago.

504. *Pseudopyrenula diluta* (Fée) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinzón, Santa Cruz, Santiago.

505. *Pseudopyrenula subnudata* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pseudopyrenula subgregaria*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1993).

506. *Psilolechia lucida* (Ach.) M. Choisy

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela.

References: Bungartz, F. et al. (2013).

507. *Psora nipponica* (Zahlbr.) Gotth. Schneid.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Psora novomexicana*, fide Elix & McCarthy (1998), *Toninia novomexicana*: specimen in COLO (L-44020), Cavagnaro s.n., Pinzón, det. E. Timdal, 1990

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998).

508. *Psoroglaena cubensis* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: several specimens confirmed at CDS, but many other identifications erroneous, e.g., a specimen in FH is based on a misidentification of *Peltula omphaliza* (FH 197404); also some taxonomic confusion: *Psoroglaena cubensis* auct. non Müll. Arg., fide Elix & McCarthy (1998) is synonymous with *Flakea papillata*.

Origin: Not In Galapagos, Not In Galapagos.

Galapagos Distribution: Santa Cruz, Santiago.

References: Dodge, C.W. et al. (1936), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

509. *Psorotichia cf. hassei* Fink ex J. Hedrick

Taxon status: Identification not yet confirmed.

F. Bungartz: the only specimen (Bungartz, F. 6122) was determined by M. Schultz

Origin: No Data.

Galapagos Distribution: San Cristóbal.

510. *Psorotichia murorum* A. Massal.

Taxon status: Accepted name; taxon occurs in Galapagos.

First erroneously identified as *Psorotichia schaeferi* by M. Schultz in 2006.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Schultz, M. et al. (2008).

511. *Pterygiopsis guyanensis* Schultz

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Fé.

512. *Pyrenographa irregularis* (Wehm.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: ?*Pyrenographa xylographoides* Aptroot (with submuriform spores, see comments in Harris 1995);
basonym: *Phaeopeltosphaeria irregularis* Wehmeyer; Type. ECUADOR. Galapagos: South Seymour Island,
on dead, decorticated wood of *Bursera graveolens*, 6 Sep 1945, Martin 6251 (NY, isotype).

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Aptroot, A. et al. (1991), Harris, R.C. et al. (1995), Martin, G.W. et al. (1948).

513. *Pyrenopsis portoricensis* Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinta, Santiago.

514. *Pyrenothrix nigra* Riddle

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

515. *Pyrenula adacta* Fée

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pyrenula marginatula* Müll. Arg., *Pyrenula caraibica* Aptroot & Etayo

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2013).

516. *Pyrenula aff. acutispora* Kalb & Hafellner

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz & R. Miranda: spore measurements of material do not agree with *P. acutispora* s.str., possibly a
new species

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

517. *Pyrenula aggregata* (Fée) Fée

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pyrenula costaricensis* Müll. Arg.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Aptroot, A. et al. (2013).

518. *Pyrenula anomala* (Ach.) A. Massal.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Aptroot, A. et al. (2013).

519. *Pyrenula aspistea* (Afzel.) Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pyrenula aspistea* (Afzel.) Ach. fide Elix & McCarthy (1998); specimens in COLO: Itow (L-40634), det. Aptroot, 1991; specimens in CDS identified by Aptroot as *P. aspistea* were misidentifications of *Pyrenula costaricensis*, fide annot. R. Miranda, 2010

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Aptroot, A. et al. (2013), Elix, J.A. et al. (1998), Weber, W.A. et al. (1993).

520. *Pyrenula astroidea* (Fée) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmentaria astroidea*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

References: Aptroot, A. et al. (2013), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

521. *Pyrenula bahiana* Malme

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pyrenula concatervans* (Nyl.) R.C. Harris; specimens in COLO: Santa Cruz: Herre 41 (L-41177), Weber (L-40220), Itow (L-40728), Fernandina: Cavagnaro (L-40469), Floreana: Weber & Lanier (L-62944)

Origin: Native, Indigenous.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2013).

522. *Pyrenula breutelii* (Müll. Arg.) Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pyrenula macularis*; in Weber (1986) probably as *Anthracotheций leucostomum*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2013).

523. *Pyrenula cerina* Eschw.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pyrenula aurantiaca*, fide Elix & McCarthy (1998); F. Bungartz: species not included in the key by Aptroot (2012), only listed as accepted in the appendix

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Fernandina, Floreana, Genovesa, Isabela, Marchena, Pinta, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2013), Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Weber, W.A. et al.

(1966), Weber, W.A. et al. (1986).

524. *Pyrenula cf. cuyabensis* (Malme) R.C. Harris

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

Basionym: Parathelium cuyabense Malme

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

525. *Pyrenula cf. dermatodes* (Borrer) Schaer.

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

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

526. *Pyrenula confinis* (Nyl.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Santa Cruz.

References: Aptroot, A. et al. (2013).

527. *Pyrenula cruenta* (Mont.) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Melanotheca cruenta, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2013), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

528. *Pyrenula dermatodes* (Borrer) Schaer.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Aptroot, A. et al. (2013), Kirk, P. (ed.) et al. (2010).

529. *Pyrenula erumpens* R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Specimen in COLO: Santa Cruz, on Pisonia, Itow (L-40623), det. Aptroot, 1991

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Aptroot, A. et al. (2013), Elix, J.A. et al. (1998), Weber, W.A. et al. (1993).

530. *Pyrenula fetivica* (Kremp.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn. *Pyrenula subcongruens* Müll. Arg.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Aptroot, A. et al. (2013), Kirk, P. (ed.) et al. (2010).

531. *Pyrenula massariospora* (Starbäck) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2013), Kirk, P. (ed.) et al. (2010).

532. *Pyrenula microtheca* R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: non *Pyrenula microcarpa* Müll. Arg.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

References: Aptroot, A. et al. (2013).

533. *Pyrenula neosandwicensis* Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: previously treated as *P. aff. duplicans*, Syn.: *Anthracothecium sandwicense* Zahlbr.; not identical with *Pyrenula sandwicensis* Zahlbr., which is a synonym of *P. fetivica* (Kempelh.) Müll. Arg.

Origin: Native, Indigenous.

Galapagos Distribution: Floreana, Santa Cruz.

References: Aptroot, A. et al. (2013).

534. *Pyrenula nitidula* (Bres.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal.

References: Aptroot, A. et al. (2013), Kirk, P. (ed.) et al. (2010).

535. *Pyrenula ochraceoflava* (Nyl.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Anthracothecium ochraceoflavum*, fide Elix & McCarthy (1998), *Verrucaria ochraceoflava*, fide Index Fungorum

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Fernandina, Floreana, Genovesa, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Wolf.

References: Aptroot, A. et al. (2013), Elix, J.A. et al. (1998), Stewart, A. et al. (1912), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

536. *Pyrenula ochraceoflavens* (Nyl.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz & R. Miranda: very few specimens deviate sufficiently in spore size from *P. ochraceoflava* and the two taxa might refer to the same species.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2013), Kirk, P. (ed.) et al. (2010).

537. *Pyrenula quassiaecola* Fée

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2013).

538. *Pyrenula thelomorpha* Tuck.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

References: Aptroot, A. et al. (2013), Kirk, P. (ed.) et al. (2010).

539. *Pyrgidium montellicum* (Beltr.) Tibell

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Santa Cruz, Santiago.

540. *Pyrgillus javanicus* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinzón.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

541. *Pyrrhospora quernea* (Dicks.) Körb.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Floreana, Isabela, Pinzón.

References: Bungartz, F. et al. (2013).

542. *Pyxine albovirens* (G. Mey.) Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz.

543. *Pyxine berteriana* (Fée) Imshaug

Taxon status: Accepted name; taxon occurs in Galapagos.

The spelling *P. berteriana* is an orthographical error, fide F. Bungartz

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

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

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

544. *Pyxine cocoës* (Sw.) Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Wolf.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

545. *Pyxine endolutea* Kalb

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santiago.

546. *Pyxine eschweileri* (Tuck.) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: Index Fungorum (Kirk 2013) erroneously treats the taxon as synonymous with *Pyxine soredata* (Ach.) Mont., based on the Australian Checklist, but this checklist does treat only the Australian records as synonymous; *P. eschweileri* has ascospores with 4 cells, a P+ red medulla and also differs from *P. soredata* by its distribution.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Weber, W.A. et al. (1986).

547. *Pyxine petricola* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pyxine pringlei*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Santa Cruz, Santiago.

548. *Pyxine subcinerea* Stirt.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pyxine caesiopruinosa*, fide Elix & McCarthy (1998); F. Bungartz: A. Aptroot (pers. comm.) suspected

that reports of *P. connectens* might also belong here, but all COLO specimens identified by W.A. Weber are fertile specimens of *P. cocoes*.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Fé.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

549. *Ramalina anceps* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2007), Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

550. *Ramalina aspera* Räsänen

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Ramalina denticulata*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Genovesa, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2007), Brodo, I. M. et al. (2001), Weber, W.A. et al. (1986).

551. *Ramalina camptospora* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinzón, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2007).

552. *Ramalina complanata* Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Ramalina indica* auct. non Fr., *Ramalina subasperata* auct. non Nyl., *Ramalina interponens* auct. non Nyl., *Ramalina subfraxinea* auct. non Nyl., fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Genovesa, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2007), Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Stewart, A. et al. (1912), Weber, W.A. et al. (1981), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

553. *Ramalina darwiniana* var. *curvida* Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: Ecuador, Galapagos, Santa Cruz Island, Puerto Ayora, near the Charles Darwin Research Station,

0°44'32"S, 90°18'10"W, alt. 5 m, on twigs of coastal shrubs, 24 May 2005, A. Aptroot 63029 (CDS no. 29757—holotype; ABL—iso-type).

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz.

References: Aptroot, A. et al. (2007).

554. *Ramalina darwiniana var. darwiniana* Aptroot & Bungartz

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: ECUADOR, Galapagos, Plaza Sur Island, 0°34'59"S, 90°9'54"W, alt. 1 m, coastal zone; eastern part with scattered and low vegetation of *Sesuvium portulacastrum* & *Tiquilia galapagoa* with occasional *Opuntia*, western part also with scattered shrubs of *Grabowskia boerhaaviaefolia*, *Maytenus octogona*, and *Castela galapageia*, on wood, twig, 21-Feb-2006, A. Aptroot, 64433 (CDS no. 31001—holotype; ABL—iso-type).

Origin: Native, Endemic.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2007).

555. *Ramalina fragilis* Aptroot & Bungartz

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Niebla* sp. nov. ined.; Typus: ECUADOR, Galapagos, San Cristóbal, near Tortugueria Cerro Colorado, on lava cliff, 130 m alt., 2 June 2005, A. Aptroot 63419 (CDS 30174—holotypus; ABL—isotypus).

Origin: Native, Endemic.

IUCN Red List: Vulnerable.

Galapagos Distribution: Española, Floreana, Isabela, Pinzón, San Cristóbal, Santa Fé.

References: Aptroot, A. et al. (2007), Weber, W.A. et al. (1986).

556. *Ramalina furcellangulida* Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

Typus: Ecuador, Galapagos, Isabela, Volcán Alcedo, highest cinder cone along the trail going up the east slope, on bark of *Bursera graveolens*, 250 m alt., 10 March 2006, A. Aptroot 65029 (CDS 31611—holotypus; ABL—isotypus).

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2007).

557. *Ramalina montagnei* De Not.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2007).

558. *Ramalina pacifica* Asah.

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz: some specimens of *R. solediantha* with more flattened lobes may belong to this species.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Unknown.

References: Aptroot, A. et al. (2007).

559. *Ramalina peruviana* Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2007), Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

560. *Ramalina polyforma* Aptroot

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: Ecuador, Galapagos, Santa Cruz Island, on coastal lava cliffs E of Puerto Ayora near Charles Darwin Research Station, 20 m alt., 29 May 2005, A. Aptroot 63412 (CDS 30176—holotype; ABL—isotype).

Origin: Native, Endemic.

IUCN Red List: Vulnerable.

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

References: Aptroot, A. et al. (2007).

561. *Ramalina puiggarii* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Ramalina linearis*, fide Aptroot & Bungartz (2007)

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2007), Dodge, C.W. et al. (1935), Dodge, C.W. et al. (1936), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

562. *Ramalina sideriza* Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Aptroot, A. et al. (2007).

563. *Ramalina solediantha* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2007), Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

564. *Ramalina solediosa* (B. de Lesd.) Landrón

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Ramalina furcellata*, fide Aptroot & Bungartz (2007); In Stewart (1912) & Weber (1966, 1981) as *Ramalina farinacea*; In Dodge (1936) & Weber (1966) as *Ramalina dasypoga*

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2007), Dodge, C.W. et al. (1936), Kashiwadani, H. et al. (1993), Landrón C.I. et al. (1972), Stewart, A. et al. (1912), Weber, W.A. et al. (1981), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

565. *Ramalina usnea* (L.) R. Howe

Taxon status: Accepted name; taxon occurs in Galapagos.

In Stewart (1912) and Linder (1934) as *Alectoria sarmentosa*, fide Weber (1966)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Aptroot, A. et al. (2007), Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Linder, D.H. et al. (1934), Stewart, A. et al. (1912), Weber, W.A. et al. (1981), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

566. *Ramboldia heterocarpa* (Fée) Kalb, Lumbsch & Elix

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

567. *Ramonia valenzueliana* (Mont.) Stizenb.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

568. *Redonographa galapagoensis* Bungartz & Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: ECUADOR. Galapagos: Santiago Island, ca. 5 km inland from the E-coast; 0° 16' S, 90° 37' W; Bungartz 5208 (CDS 29421, holotype); previously reported as *Carbacanthographis saxiseda* (Bungartz et al., 2010) but was found to represent an undescribed taxon (Lücking et al. 2013).

Origin: Native, Endemic.

IUCN Red List: Least Concern.

Galapagos Distribution: Santiago.

References: Bungartz, F. et al. (2009), Elix, J.A. et al. (1998), Lücking, R. et al. (2103), Weber, W.A. et al. (1993).

569. *Redonographa saxorum* (Egea & Torrente) Lücking & Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Graphis saxorum*, *Carbacanthographis saxorum*.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. (2009), Lücking, R. et al. (2103).

570. *Rhizoplaca minarum* Kalb, Elix & Bungartz ined.

Taxon status: Unpublished name (Nomen nudum).

Origin: Native, Questionable Endemic.

Galapagos Distribution: Isabela, Santiago.

571. *Ricasolia patinifera* (Taylor) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Lobaria patinifera* (Taylor) Hue fide Moncada & Lücking (pers. com. April 2014)

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

572. *Rinodina lepida* (Nyl.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Isabela, San Cristóbal.

References: Bungartz, F. et al. (2016).

573. *Rinodina oleae* Bagl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Specimen of 'Buellia myriocarpa' FH 1108 (00197447) identified by J.W. Sheard, 2009 as *R. olea*.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. (2016).

574. *Roccella albida* Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

Holotype Tehler 8653 (CDS 40614)

Origin: Native, Endemic.

IUCN Red List: Endangered.

Galapagos Distribution: Española, Floreana, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Tehler, A. et al. (2009).

575. *Roccella galapagoensis* Follmann

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Roccella geniculata*, *R. glebaria*, *R. obscurissima* Follmann & B. Werner, *R. geniculata* Follmann & B. Werner, *R. fusca* B. Werner nom. nud., *R. glebaria* B. Werner & Follmann nom. nud., *R. colonii* Follmann, *R. capitata* Follmann nom. nud., fide Tehler et al. (2009); Holotype: Galápagos, South Plaza Island, abundant on seaward vertical sides of boulders on highest points (S side), ca. 50 ft elev., 1964, W.A. Weber L-39130, Lichenes Exsiccati no. 112; Isotypes: COLO-184895, 186050, UPS, M-0024655, H, S-L21409

Origin: Native, Endemic.

IUCN Red List: Least Concern.

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

References: Elix, J.A. et al. (1998), Schofield, E.K. et al. (1984), Tehler, A. et al. (2009), Tehler, A. et al. (2007), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

576. *Roccella gracilis* Bory

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Roccella babingtonii*, *R. peruensis*, *R. difficilis*, fide Tehler (2002) and Tehler et al. (2009); F. Bungartz: two collections in FH (Baur sn. FH 197350 and FH 197352, both collections from Floreana) identified as *Roccella intricata* Mont. are misidentifications of *R. gracilis*. A Tehler: *Roccella intricata* Mont. (=Roccellaria mollis (Hampe) Zahlbr.) is the type for the name *Roccellaria* Darbishire. There is only one species in the genus and it is endemic to Chile; specimens from Galapagos are certainly misidentifications.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Genovesa, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Darbishire, O.V. et al. (1935), Dodge, C.W. et al. (1935), Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Stewart, A. et al. (1912), Tehler, A. et al. (2009), Tehler, A. et al. (2002), Weber, W.A. et al. (1981), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

577. *Roccella margaritifera* B. Werner & Follmann

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Roccella octopodioides* nom. nud., *Roccella margaritifera* f. *octopodioides* fide Tehler et al. (2009); Holotype: Galápagos, San Cristóbal Island, Lobería Pto. Baquerizo, 1991, Sánchez-Pinto 6616 (B-128629), TFMC

Origin: Native, Endemic.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Genovesa, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Tehler, A. et al. (2009), Tehler, A. et al. (2007).

578. *Roccella nigerrima* (Darb.) Follmann

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Roccellodea nigerrima Darb., Roccella translucida Follmann & B. Werner, Roccella incurvata B. Werner, Roccella kappeniana Follmann & B. Werner, Roccella botrytis B. Werner nom. nud., Roccella floribrassica B. Werner nom. nud., Roccella stipitata B. Werner & Follmann nom. nud., Roccella floteana Follmann nom. nud., Roccella floreana B. Werner nom. nud. fide Tehler et al. (2009); Lectotype selected by Tehler (2007): Galápagos Islands, 1872, Hill s.n. (FH)

Origin: Native, Endemic.

IUCN Red List: Least Concern.

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

References: Tehler, A. et al. (2009).

579. *Roccellographa circumscripta* (Taylor) Ertz & Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Sclerophytonomyces circumscripti Cif. & Tomas.; Sclerophyton cricumscriptum (Taylor) Zahlbr., Peterjamesia circumscripta (Taylor) D. Hawksw.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Aptroot, A. et al. (2008), Ertz, D. et al. (2010).

580. *Sarcographa medusulina* (Nyl.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

581. *Sarcographa ramificans* (Kremp.) Staiger

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Bungartz, F. et al. (2009).

582. *Sarcographa tricola* (Ach.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz, Santiago.

References: Bungartz, F. et al. (2009).

583. *Schismatomma spierii* Aptroot & Sparrius

Taxon status: Accepted name; taxon occurs in Galapagos.

Acc. name: *Vigneronia spieri* (Aptroot & Sparrius) Ertz & Bungartz
Type: ECUADOR. Galapagos:

Isabela Island, Cerro Alcedo, highest cinder cone along the trail going up the E slope, 0° 23'37"S, 91°01'31"W, 250 m, arid lowlands with basalt outcrops, at the bottom scattered *Bursera graveolens* trees and shrubs of *Castela galapageia*, on bark of *Bursera graveolens*, 10 Mar 2006, Aptroot 65014 (holotype CDS 31595; isotype ABL).

Origin: Native, Endemic.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2008).

584. *Schistophoron tenue* Stirt.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Pinta, Santa Cruz.

References: Elix, J.A. et al. (1998), LeDee, O.E. et al. (2000), Tehler, A. et al. (2009), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

585. *Schistophoron variable* Tibell

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Regionally Extinct.

Galapagos Distribution: Española, Floreana, Santa Cruz.

586. *Sclerococcum sp. 1*

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

Index Fungorum: anamorphic Pezizomycotina

Origin: No Data.

Galapagos Distribution: San Cristóbal, Santa Cruz.

587. *Sclerophyton murex* Egea & Torrente ex Sparrius

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Aptroot, A. et al. (2008).

588. *Sclerophyton vertex* Sparrius

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2008).

589. *Septotrapelia usnica* (Sipman) Kalb & Bungartz

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *L. usnica* Sipman, *Nelsenium usnicum* (Sipman) Lendemer & Hodkinson

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Bungartz, F. et al. (2013), Lendemer, J.C. et al. (2013).

590. *Sigridea leptothallina* (Malme) Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

The spelling in Index Fungorum is incorrect, the correct name is *Sigridea leptothallina* [Tehler, A. 1993. The genus *Sigridea* [Roccellaceae, Arthoniales, Euascomycetes. *Nova Hedwigia* 57(3-4): 417-435]

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Fé.

References: Aptroot, A. et al. (2008).

591. *Sphinctrina leucopoda* s.l. Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Sphinctrina podocarpa*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Fé.

592. *Sphinctrina tubiformis* A. Massal.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: original spelling of the species epithet is "tubaeformis"; in Index Fungorum corrected to "tubiformis".

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Pinta, Santiago.

593. *Spilonema revertens* Nyl.

Taxon status: Identification not yet confirmed.

F. Bungartz: material needs verification

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

594. *Sporopodium aff. phyllocharis* (Mont.) A. Massal.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

595. *Sporopodium leprieurii* Mont.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
596. *Staurothele lecideoides* B. de Lesd.
Taxon status: Identification not yet confirmed.
material examined by Breuss, morphologically identical to *S. lecideoides*, but no mature perithecia found, perithecia contain hymenial algae
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
597. *Stereocaulon azulense* Yoshim. & W.A. Weber
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
IUCN Red List: Least Concern.
Galapagos Distribution: Floreana, Isabela, Marchena, San Cristóbal, Santa Cruz, Santiago.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).
598. *Stereocaulon microcarpum* Müll. Arg.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: San Cristóbal.
References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).
599. *Stereocaulon weberi* I.M. Lamb
Taxon status: Accepted name; taxon occurs in Galapagos.
Holotype in FH
Origin: Native, Endemic.
IUCN Red List: Near Threatened.
Galapagos Distribution: Isabela, Santa Cruz, Santiago.
References: Lamb, I.M. et al. (1977), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).
600. *Sticta arbuscula* Moncada & Lücking
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Kirk, P. (ed.) et al. (2013).
601. *Sticta beauvoisii* Delise
Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Unknown.

References: Kirk, P. (ed.) et al. (2010), McDonald, T. et al. (2003).

602. *Sticta carolinensis* T. McDonald

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Isabela.

References: Kirk, P. (ed.) et al. (2010), McDonald, T. et al. (2003).

603. *Sticta damicornis* (Sw.) Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Index Fungorum: the species epithet was originally published a 'damaecornis'.

Origin: Native, Indigenous.

IUCN Red List: Critically Endangered.

Galapagos Distribution: Unknown.

604. *Sticta dichotoma s.l.* Delise

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Unknown.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1966).

605. *Sticta fuliginosa* (Dicks.) Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santiago.

References: Elix, J.A. et al. (1998), McDonald, T. et al. (2003), Weber, W.A. et al. (1986).

606. *Sticta microisidiata* Sérusiaux & Magain.

Taxon status: Accepted name; taxon occurs in Galapagos.

not found in Index Fungorum!

Origin: No Data.

Galapagos Distribution: Santa Cruz.

607. *Sticta weigeli* (Ach.) Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Stewart (1912) as *Sticta quercizans*, fide Weber (1966); In Weber (1966) as *Sticta weigeli* var. *peruviana*;
Syn.: *Sticta quercizans*, fide Elix & McCarthy (1998), *Stictina quercizans*, fide Index Fungorum

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Stewart, A. et al. (1912), Svenson, H.K. et al. (1935), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

608. *Strigula aff. oblecta* (Vain.) R. C. Harris

Taxon status: Identification not yet confirmed.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Santa Cruz.

609. *Strigula microspora* Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

References: Kirk, P. (ed.) et al. (2010).

610. *Strigula nitidula* Mont.

Taxon status: Accepted name; taxon occurs in Galapagos.

Specimen in COLO: Santa Cruz: on leaves of *Eugenia jambos*, along trail to Horneman place just above Bellavista, 64131 p.p. (with *Byssoloma subdiscordans*), det. Vezda; F. Bungartz: specimen not seen!

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

611. *Strigula phaea* (Ach.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

612. *Strigula phyllogena* (Müll. Arg.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

References: Kirk, P. (ed.) et al. (2010).

613. *Strigula schizospora* R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

614. *Strigula smaragdula* Fr.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz & R. Miranda: specimen material identified by R. Lücking very poor.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

615. *Strigula subtilissima* (Fée) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Specimen in COLO: Santa Cruz: on leaves of *Eugenia jambos*, along trail to Horneman place just above Bellavista, 64131 p.p. (with *Byssoloma subdiscordans*), det. Vezda, F. Bungartz: specimen not seen!

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

616. *Strigula viridiseda* (Nyl.) R.C. Harris

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal.

References: Kirk, P. (ed.) et al. (2010).

617. *Synalissa mattogrossensis* (Malme) Henssen

Taxon status: Accepted name; taxon occurs in Galapagos.
material confirmed by M. Schultz

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Española, Santa Cruz, Santiago.

618. *Syncesia farinacea* (Fée) Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Chiodecton farinaceum*

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinta, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2008).

619. *Syncesia graphica* (Fr.) Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Chiodecton myrticola*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé,

Santiago.

References: Aptroot, A. et al. (2008), Weber, W.A. et al. (1986).

620. *Syncesia leprobola* Nyl. ex Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Chiodecton farinaceum*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago.

References: Aptroot, A. et al. (2008), Bungartz, F. et al. (2013), Weber, W.A. et al. (1986).

621. *Syncesia psaroleuca* (Nyl.) Tehler

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Chiodecton effusum*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Aptroot, A. et al. (2008), Weber, W.A. et al. (1986).

622. *Taeniolella sp. 1*

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

Index Fungorum: anamorphic *Glyphium*

Origin: No Data.

Galapagos Distribution: Isabela, Santa Cruz.

623. *Tapellaria epiphylla* (Müll. Arg.) R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

624. *Tapellaria granulosa* Lücking & Rivas Plata

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

625. *Tapellaria malmei* R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

626. *Tapellaria nana* (Fée) R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

627. *Tapellaria nigrata* (Müll. Arg.) R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

628. *Tapellaria phyllophila* (Stirt.) R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

629. *Teloschistes chrysophthalmus* (L.) Th. Fr.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Vulnerable.

Galapagos Distribution: Isabela.

630. *Teloschistes flavicans* (Sw.) Norman

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Española, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Wolf.

References: Dodge, C.W. et al. (1936), Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), LeDee, O.E. et al. (2000), Stewart, A. et al. (1912), Weber, W.A. et al. (1981), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

631. *Tephromela rhizophorae* Kalb

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Kalb, K. et al. (2008).

632. *Tephromela weberi* Kalb, Aptroot & Bungartz
Taxon status: Unpublished name (Nomen nudum).
Origin: No Data.
Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santiago.
633. *Thalloloma cinnabarinum* (Fée) Staiger
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Endangered.
Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.
References: Bungartz, F. et al. (2009).
634. *Thalloloma hypoleptum* (Nyl.) Staiger
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Floreana.
References: Kirk, P. (ed.) et al. (2013).
635. *Thamnotia vermicularis* (Sw.) Ach. ex Schaer.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz.
636. *Thelenella inductula* (Nyl.) H. Mayrhofer
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela.
637. *Thelenella muscorum* (Fr.) Vain.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Isabela.
638. *Thelenella sastreana* R. C. Harris
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Data Deficient.
Galapagos Distribution: Santa Cruz, Santiago.
639. *Thelopsis isiaca* Stitzenb.
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

640. *Thelopsis rubella* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

641. *Thelotrema lepadodes* Tuck.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Floreana.

References: Kirk, P. (ed.) et al. (2013).

642. *Thelotrema monosporum* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela.

References: Kirk, P. (ed.) et al. (2010).

643. *Thelotrema pachysporum* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

644. *Trapelia coarctata* (Turner ex Sm.) M. Choisy

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

645. *Trapelia glebulosa* (Sm.) J.R. Laundon

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Trapelia involuta* (Taylor) Hertel

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santa Cruz, Santiago.

646. *Trapeliopsis flexuosa* (Fr.) Coppins & P. James

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela.

647. *Trapeliopsis glaucopholis* (Nyl.) Printzen & McCune

Taxon status: Identification not yet confirmed.

F. Bungartz: material needs verification

Origin: No Data.

Galapagos Distribution: Santa Cruz.

648. *Trapeliopsis granulosa* (Hoffm.) Lumbsch

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Lecidea granulosa*, fide Elix & McCarthy (1998); specimen in COLO (63337), Santa Cruz, on plant debris, saddle between El Puntudo and Cerro Crocker, 700 m

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

649. *Tricharia hyalina* Kalb & Vězda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

650. *Tricharia similis* Vězda

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: San Cristóbal, Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

651. *Tricharia urceolata* (Müll. Arg.) R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

652. *Tricharia vainioi* R. Sant.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.

653. *Trichothelium epiphyllum* Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

654. *Trichothelium montanum f. montanum* Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

655. *Trypethelium aeneum* (Eschw.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: material needs verification

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Isabela, Santiago.

656. *Trypethelium aff. marcidum* (Fée) Müll. Arg.

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz & R. Miranda: specimens with different chemistry and spore size from *T. marcidum* s.str.

Origin: Native, Indigenous.

Galapagos Distribution: Unknown.

References: Kirk, P. (ed.) et al. (2010).

657. *Trypethelium eluteriae* Spreng.

Taxon status: Accepted name; taxon occurs in Galapagos.

F. Bungartz: specimens confirmed by R. Miranda & R. Lücking

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

658. *Trypethelium nitidiusculum* (Nyl.) R.C. Harris

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz & R. Miranda: According to Harris (1995) *Trypethelium ochroleucum* and *Astrothelium variosolum* are identical in all characters but their stromata formation; *Trypethelium nitidiusculum* is identical to *Trypethelium ochroleucum* in all characters but the presence of lichexanthone. It is possible that all three taxa refer to one variable species only.

Origin: No Data.

Galapagos Distribution: Isabela, Pinta, Pinzón, Santa Cruz.

References: Harris, R.C. et al. (1995).

659. *Trypethelium ochroleucum* (Eschw.) Nyl.

Taxon status: Taxonomic status unresolved or unrevised.

F. Bungartz & R. Miranda: According to Harris (1995) *Trypethelium ochroleucum* and *Astrothelium variosolum* are identical in all characters but their stromata formation; *Trypethelium nitidiusculum* is identical

to *Trypethelium ochroleucum* in all characters but the presence of lichexanthone. It is possible that all three taxa refer to one variable species only.

Origin: No Data.

Galapagos Distribution: Fernandina, Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Harris, R.C. et al. (1995), Weber, W.A. et al. (1986).

660. *Trypethelium tropicum* (Ach.) Müll. Arg.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), LeDee, O.E. et al. (2000), Weber, W.A. et al. (1986).

661. *Tylophoron galapagoense* Bungartz, Ertz, Diederich & Tibell

Taxon status: Accepted name; taxon occurs in Galapagos.

Holotype Ertz 11794 (CDS 37153)

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Ertz, D. et al. (2011).

662. *Tylophoron hibernicum* (D. Hawksw., Coppins & P. James) Ertz, Diederich, Bungartz & Tibell

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Blarneya hibernica* D. Hawksw., Coppins & P. James

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Fernandina, Floreana, San Cristóbal, Santa Cruz, Santiago.

References: Ertz, D. et al. (2011).

663. *Tylophoron moderatum* Nyl.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santiago.

664. *Usnea angulata* Ach.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1981, 1986) and Elix & McCarthy (1998) as *Usnea paradoxa*; no recent specimens; all collections from before 1972, presumed extinct!

Origin: Native, Indigenous.

IUCN Red List: Regionally Extinct.

Galapagos Distribution: Santa Cruz.

References: Elix, J.A. et al. (1998), Truong, C. et al. (2013), Weber, W.A. et al. (1981), Weber, W.A. et al. (1986).

665. *Usnea baileyi* (Stirt.) Zahlbr.

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) as *Usnea antillarum*, fide A. Aptroot (pers. comm.)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

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

References: Truong, C. et al. (2013).

666. *Usnea brattiae* P. Clerc

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

667. *Usnea cf. bornmuelleri* J. Steiner

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

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Isabela.

668. *Usnea cirrosa (classical)* Motyka

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

669. *Usnea cirrosa (hirto-cirrosa)* Motyka

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Pinzón, San Cristóbal.

670. *Usnea columbiana* Motyka ex Räsänen

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

671. *Usnea cornuta* Körb.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago.

672. *Usnea dodgei* Motyka

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Truong, C. et al. (2013).

673. *Usnea dorogawensis* Asahina

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: JAPAN. Honshu: Prov. Yamato, Dorogawa, Amakawa-mura, Yoshino-gun, 1952, Togashi (lectotype TNS!; % C/M/A: 4/37.5/16; contains usnic, lobaric, norstictic, stictic and constictic acids, unknown US6 (Ohmura 2001).

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

References: Ohmura, Y. et al. (2001), Truong, C. et al. (2011).

674. *Usnea erinacea* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Pinzón, San Cristóbal.

References: Clerc, P. et al. (2008), Clerc, P. et al. (2011), Truong, C. et al. (2011).

675. *Usnea galapagona* Truong & P.Clerc

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: Ecuador. Galapagos: Isla San Cristóbal, Cerro Mundo, at the top of the rock cliffs on the S side close to the summit, 00°53'S, 89°34'W, 282 m, transition zone with *Bursera graveolens*, *Croton scouleri* and *Jasminocereus thouarsii*, on *Jasminocereus thouarsii* on the ridge, August 2008, Clerc & Truong 08-405 (holotype CDS, isotypes G, CMA: 16/3/61.5; chemistry: usnic acid, unknown medullary metabolite reacting UV+ green after charring).

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, San Cristóbal, Santa Cruz.

References: Herrera-Campos, M. et al. (1998), Lumbsch, H.T. et al. (2010).

676. *Usnea grandisora* Truong & P. Clerc

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: ECUADOR. Galapagos: Santa Cruz Island, above Mina Granillo, 607 m, upper transition zone, on branches of *Scalesia*, Truong 1122 (holotype CDS 39433, isotypes G, UPS; % C/M/A: 11/20.5/38. Chemistry: usnic, salazinic, galbinic and norstictic acids.)

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.

References: Ohmura, Y. et al. (2010), Swinscow, T. et al. (1979), Truong, C. et al. (2011).

677. *Usnea hirta* ssp. *trachista* (Motyka) P. Clerc

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal.

678. *Usnea mexicana* Vain.

Taxon status: Accepted name; taxon occurs in Galapagos.

Erronously reported as *Usnea longissima*, *U. amabilis* or *U. arthroclada* by Farlow (1902), Stewart (1912), Weber (1966, 1986), Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, Santa Cruz, Santiago.

References: Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Stewart, A. et al. (1912), Truong, C. et al. (2013), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

679. *Usnea parvula* Motyka

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

680. *Usnea poliotrix* Kremp.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santiago.

References: Motyka, J. et al. (1936–38), Truong, C. et al. (2011), Vareschi, V. et al. (1973).

681. *Usnea rubicunda* Stirt.

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Usnea rubiginea*, fide Elix & McCarthy (1998), *U. rubiginosa*, fide Index Fungorum; In Farlow (1902), Stewart (1912) and Weber (1966) as *Usnea ceratina*; Type: ENGLAND: 1879, Holmes (holotype BM!; contains usnic, stictic, constictic, menegazziaic and norstictic acids.).

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Clerc, P. et al. (2008), Elix, J.A. et al. (1998), Farlow, W.G. et al. (1902), Ohmura, Y. et al. (2008), Ohmura, Y. et al. (2001), Stewart, A. et al. (1912), Truong, C. et al. (2011), Weber, W.A. et al. (1966), Weber, W.A. et al. (1986).

682. *Usnea subcornuta* Stirt.

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

683. *Usnea subdasaea* Truong & P. Clerc

Taxon status: Accepted name; taxon occurs in Galapagos.

Type: Ecuador. Galapagos, Isabela, road to Sierra Negra crater, close to la Esperanza, 306 m, farming areas in the humid zone, living fencepost (still with bark) Truong 1194 (holotype CDS 39505, isotypes G, UPS; % C/M/A: 5/30/30. contains usnic, salazinic, galbinic, norstictic acids.)

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

References: Clerc, P. et al. (2008), Herrera-Campos, M. et al. (2001), Truong, C. et al. (2011).

684. *Usnea subscabrosa* Nyl. ex Motyka

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela, Santa Cruz.

685. *Vainionora sp. nov.* ined.

Taxon status: Unpublished name (Nomen nudum).

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santa Cruz.

686. *Verrucaria lecideoides* (A. Massal.) Gueidan & C. Roux

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Santiago.

687. *Verrucaria xyloxena* Norman

Taxon status: Accepted name; taxon occurs in Galapagos.

material confirmed by O. Breuss (2011)

Origin: No Data.

IUCN Red List: Data Deficient.

Galapagos Distribution: Isabela.

688. *Vigneronia spieri* (Aptroot & Sparrius) Ertz & Bungartz

Taxon status: Accepted name; taxon occurs in Galapagos.

Acc. name: *Vigneronia spieri* (Aptroot & Sparrius) Ertz & Bungartz

Type: ECUADOR. Galapagos: Isabela Island, Cerro Alcedo, highest cinder cone along the trail going up the E slope, 0° 23' 37" S,

91° 01' 31" W, 250 m, arid lowlands with basalt outcrops, at the bottom scattered *Bursera graveolens* trees and shrubs of *Castela galapageia*, on bark of *Bursera graveolens*, 10 Mar 2006, Aptroot 65014 (holotype CDS 31595; isotype ABL).

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Aptroot, A. et al. (2008), Ertz, D. et al. (2014).

689. *Vouauxiomyces sp. 1*

Taxon status: Taxonomic status unresolved or unrevised.

Index Fungorum: anamorphic Abrothallus (Pezizomycotina)

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

690. *Xanthomendoza weberi* (S.Y. Kondr. & Kärnefelt) L. Lindblom

Taxon status: Accepted name; taxon occurs in Galapagos.

In Weber (1986) and Elix & McCarthy (1998) as *Xanthoria candelaria*, fide F. Bungartz annotations, 2006

Origin: Native, Indigenous.

IUCN Red List: Near Threatened.

Galapagos Distribution: Unknown.

References: Elix, J.A. et al. (1998), LeDee, O.E. et al. (2000), Weber, W.A. et al. (1986).

691. *Xanthoparmelia congensis* (J. Steiner) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Data Deficient.

Galapagos Distribution: Unknown.

692. *Xanthoparmelia neopropaguloides* Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Isabela, Santa Cruz.

References: Kirk, P. (ed.) et al. (2010).

693. *Xanthoparmelia plittii* (Gyeln.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Unknown.

References: Kirk, P. (ed.) et al. (2010).

694. *Xanthoparmelia sipmanii* T.H. Nash & Elix

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela.

695. *Xanthoparmelia subramigera* (Gyeln.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Parmelia subramigera*, fide Elix & McCarthy (1998)

Origin: Native, Indigenous.

IUCN Red List: Least Concern.

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

References: Elix, J.A. et al. (1998), Weber, W.A. et al. (1986).

696. *Xanthoparmelia ulcerosa* (Zahlbr.) Hale

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Isabela.

References: Kirk, P. (ed.) et al. (2010).

697. *Yoshimuriella peltigera* (Delile) Moncada & Lücking

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Kirk, P. (ed.) et al. (2013).

698. *cf. Baflavia flavescens* (Lücking) Lücking

Taxon status: Identification not yet confirmed.

F. Bungartz: material most likely belongs to an undescribed *Eugeniella*

Origin: No Data.

Galapagos Distribution: Unknown.

Rejected taxa

1. *Acarospora cf. fuscata* (Nyl.) Arnold

F. Bungartz: material previously identified as *A. cf. fuscata* has been annotated by K. Knudsen as *A. sparsiuscula*.

2. *Acarospora citrina* (Taylor) Zahlbr.

Misidentification for *A. chrysops*, fide K. Knudsen (pers. comm., 2007)

3. *Acarospora schleicheri* (Ach.) A. Massal.

Misidentification for *A. chrysops*, fide K. Knudsen (pers. comm., 2007)

4. *Acarospora thelococcoides* (Nyl.) Zahlbr.

F. Bungartz: the only specimen identified by Aptroot (Aptroot 64834) as *A. thelococcoides* is *A. americana* according to K. Knudsen.

5. *Alectoria sarmentosa* (Ach.) Ach.

Misidentifications of *Ramalina usnea*, fide Weber (1966) & fide F. Bungartz annotations, 2009

6. *Anisomeridium anisolobum* (Müll. Arg.) Aptroot

F. Bungartz & R. Miranda: probably all misidentifications of *A. leptospermum*; Syn.: *Ditremis anisoloba*, fide Elix & McCarthy (1998); one specimen in COLO has not yet been revised (L-40404) det. Aptroot, 1991

7. *Arthonia parantillarum* Aptroot
Misidentifications of *A. antillarum*, fide Bungartz (2010)
8. *Arthopyrenia punctiformis* A. Massal.
F. Bungartz & R. Miranda: specimens previously cited as *A. punctiformis* are based on misidentifications.
9. *Arthothelium spilomatoides* (Nyl.) Zahlbr.
Misidentification of *Arthothelium galapagoense*, fide Weber (1981)
10. *Bacidia luteola* (Schrad.) Mudd
F. Bungartz: record based on one specimen originally identified by Weber (Weber 87, L-41125, COLO 192066), who changed this identification to *Bacidia russeola* (Kremp.) Zahlbr.; the material, however, belongs to *Bacidia russeola* (Kremp.) Zahlbr.
11. *Bacidia millegrana* (Taylor) Zahlbr.
F. Bungartz: the record cited in Weber 1986) is based on a COLO exsiccati specimen (distributed as *Bacidia* cf. *millegrana*, no. 121; L-41552, COLO 185646); the specimen examined from this exsiccati deposited in COLO is annotated by Weber as "...compares well with Vainio, Exsicc. No. 336 from Minas Gerais, Lafayette, 1885"; although the Brazilian Vainio specimen was not examined, the material from Galapagos clearly looks nothing like the type specimen of *B. millegranum* from the herbarium of Müll. Arg. in G (G-209674).
12. *Bacidia polychroa* (Th. Fr.) Körb.
F. Bungartz: all material previously identified as this species by A. Aptroot belongs to *Bacidia russeola* (Kremp.) Zahlbr.
13. *Bacidia rubella* (Hoffm.) A. Massal.
F. Bungartz: misidentification of *Bacidia russeola* (Kremp.) Zahlbr.; the record is based on one specimen originally identified by Weber as *B. luteola* (Schrad.) Mudd., it was later published in Weber (1986) as *B. rubella*; *B. rubella*, however has a northern temperate distribution and the specimen agrees well with *B. russeola*.
14. *Bathelium mastoideum* Afzel. ex Ach.
Syn.: *Trypethelium mastoideum*, fide Elix & McCarthy (1998); F. Bungartz & R. Miranda: specimens in COLO misidentifications of *Bathelium degenerans* and *B. feei*
15. *Buellia xanthinula* (Müll. Arg.) Malme
Misidentification of *Buellia straminea*, fide Weber (1986): 488; misidentification of *Buellia flavoareolata*, fide F. Bungartz annotations, 2009
16. *Bulbothrix goebelii* (Zenker) Hale
M. Benatti, A. Spielmann & F. Bungartz: specimens previously identified as *B. goebelii* have isidia and thus don't belong to *B. goebelii*; most material belongs to *B. subdissecta*.
17. *Calicium abietinum* Pers.
Misidentifications of *Chaenothecopsis* aff. *savonica* fide Tibell (2010)
18. *Calicium hyperelloides* Nyl.
Possibly misidentifications of *C. robustellum* fide Tibell (2010)

19. *Caloplaca cerina* (Ehrh. ex Hedw.) Th. Fr. s.l.
F. Bungartz: one single specimen collected by Reverend T. Hill during the Hassler Expedition 1872 (FH-Tuck 259998), identified by C. Wetmore, June 1993 as *C. cerina* s.l.; like several other specimens collected by Hill during that expedition probably erroneously labeled and most likely not from Galapagos
20. *Caloplaca cirrochroa* (Ach.) Th. Fr.
Syn.: *Placodium cirrochroum*; misidentifications of *C. cf. cupulifera* fide U. Søchting
21. *Caloplaca elegans* (Link) Th. Fr.
F. Bungartz & U. Søchting: according to Weber (1986) misidentifications of *C. isidiosa* (Vain.) Zahlbr.
22. *Caloplaca muelleri* (Vain.) Zahlbr.
F. Bungartz & U. Søchting: according to Weber (1986) misidentifications of *C. isidiosa* (Vain.) Zahlbr.
23. *Caloplaca murorum* (Hoffm.) Th. Fr.
Syn.: *Placodium murorum* (Ach.) DC.; F. Bungartz: first cited in Weber (1966), according to Weber (1985) misidentifications of *C. isidiosa* (Vain.) Zahlbr.; specimen from 1905-06 expedition in CAS (Stewart, A. 360: Baltra, S-side, encrusting rocks along with *Physcia picta*; material not seen).
24. *Caloplaca rugulosa* (Nyl.) Zahlbr.
F. Bungartz & U. Søchting: according to Weber (1986) misidentifications of *C. isidiosa* (Vain.) Zahlbr.
25. *Canoparmelia crozalsiana* (de Lesd.) Elix & Hale
F. Bungartz: misidentifications, all specimens belong to *C. cf. raunkierii*
26. *Carbacanthographis saxiseda* (Zahlbr.) Bungartz
F. Bungartz: all Galapagos specimens previously identified as *C. saxiseda* by Bungartz & Lücking (2009) belong to *Redonographa galapagoensis*; they were originally reported by Weber (1993) as *Graphina saxiseda* and Elix & McCarthy (1998) as *Graphis saxiseda*.
27. *Celothelium aciculiferum* (Nyl.) Vain.
F. Bungartz & R. Miranda: misidentifications of *Celothelium dominicanum*.
28. *Chaenotheca brunneola* (Ach.) Müll. Arg.
L. Tibell: *Chaenothecopsis savonica* s.l.
29. *Chiodecton myrticola* Feé
Acc. name: *Synnesia myrticola*; Misidentification of *Synnesia psaroleuca*, fide F. Bungartz annotations, 2008
30. *Chrysothrix aff. occidentalis* Elix & Kantivalis
F. Bungartz: all previous records refer to *C. galapagoana* K. Knudsen & Bungartz
31. *Chrysothrix candelaris* (L.) J.R. Laundon
Misidentification of *Chrysothrix xanthina*, fide A. Aptroot (pers. comm.)
32. *Cladina sandstedei* (Abbayes) Ahti
Misidentification of *Cladonia arcuata* (see Yáñez-Ayabaca et al. 2013)
33. *Cladonia coccifera* agg. (L.) Willd.
F. Bungartz: misidentifications of *C. corymbosula* (see Yáñez-Ayabaca et al. 2013)

34. *Cladonia furcata f. adspersa* (Flörke) Vain.
F. Bungartz: most likely misidentifications of *C. sphacelata*
35. *Cladonia granulosa* (Vain.) Ahti
F. Bungartz: one specimen [Bungartz 3272 (CDS 26911)] first identified by T. Ahti as *C. granulosa* (annotation 2010); later revised to *C. polyscypha* (annotation 2011) see also Yáñez-Ayabaca et al. (2013)
36. *Cladonia macilenta var. bacillaris* (Ach.) Schaer.
F. Bungartz: all Galapagos specimens contain thamnolic and didymic acid and specimens previously identified as *C. macilenta var. bacillaris* are misidentifications of *C. bungartzii* or *C. macilenta s.str.* (Yáñez-Ayabaca et al. 2000).
37. *Cladonia macilentoides* Ahti & Fleig
F. Bungartz & A. Yáñez: misidentifications of *C. macilenta*
38. *Cladonia polycarpoides* Nyl.
Syn.: *Cladonia subcariosa*, fide Elix & McCarthy (1998); Yáñez-Ayabaca: Reports of *C. polycarpoides* Nyl. and *C. subcariosa* (Weber 1986) based on misidentifications of *C. dactylota* (see Yáñez-Ayabaca et al. 2013)
39. *Cladonia rangiferina* (L.) Weber ex F.H. Wigg.
F. Bungartz: the report in Hooker (1847) is most certainly not the arctic alpine *C. rangiferina*, but a similar species of reindeer lichens, most likely *C. confusa f. bicolor*
40. *Cladonia rappii* A. Evans
F. Bungartz: only one minute, fragmentary specimen in CDS (Aptroot 65573 B); originally identified by A. Aptroot as *C. rappii*, annotated by T. Ahti as *C. sp.* (probably undescribed, *C. aff. rappii*); however, the fragmentary minute material is extremely similar to basal squamules of *C. pulverulenta*, which also contains fumarprotocetraric acid, no typical material of *C. rappii* has been reported from Galapagos
41. *Cladonia subulata* (L.) Weber ex F.H. Wigg.
F. Bungartz & A. Yáñez: specimen in COLO (63520): Isabela, Cerro Azul, det. Thomson is misidentification of *Cladonia subradiata* (see Yáñez-Ayabaca et al. 2013)
42. *Cladonia symphoriza* Nyl.
Misidentification of *Cladonia didyma*, fide F. Bungartz annotation, 2006
43. *Coccotrema colobinum* (Tuck.) Messuti
F. Bungartz: The type specimen of *Pertusaria colobina* Tuck., later transferred by Messuti & Vobis (2002) and Messuti (2003) into *Coccotrema colobinum*, was supposedly collected by the Reverend T. Hill during the Hassler Expedition in Galapagos. Messuti & Vobis (2002) suggest that one of four specimens labelled (a) in the packet is material collected in Galapagos. It is, however, highly doubtful that any one of these four specimens was actually collected in the archipelago. Not a single specimen of that species has ever been found since. Instead, Messuti & Vobis (2002) cite two more specimens collected by Imshaugh & Ohlsson (MSC 43340, MSC 44816) from the Chilean coast. It is therefore much more probable that the type material of this species, like so many other specimens collected by Reverend T. Hill during the Hassler Expedition, was actually mislabeled (previously the same was already suggested by Weber (1086) p. 490); A. Fryday examined the type from FH and observed: "The "Galapagos" collection has *C. coccophorum* (= *Lepolichen coccophorus*) on the same piece of bark, which makes the possibility that it is really from the Galapagos extremely unlikely. It was even annotated "probably from Str. of Magellan" by Rolf Santesson in 1955."

44. *Collemopsidium subarenisedum* (G. Salisb.) Coppins & Aptroot
F. Bungartz & R. Miranda: erroneous record based on misidentification of a single specimen (Aptroot 63087 C).
45. *Compsocladium kalbii* Frisch
F. Bungartz: material originally identified by Aptroot as *Compsocladium archboldianum*, but this species does not occur in South America and the identification was first considered to refer to *Compsocladium kalbii* Frisch; the few CDS specimens are, however, an isidiate species of *Micarea* (Aptroot, A. 64664, 63186 and Nugra, F. 418)
46. *Cryptothecia assimilis* Makhija & Patw.
F. Bungartz: previous records refer to misidentifications of *Cryptothecia darwiniana* Bungartz & Elix
47. *Cryptothecia candida* (Kremp.) R. Sant.
F. Bungartz: all specimens previously identified as *C. candida* are UV+ bright orange and thus belong to *C. darwiniana* Bungartz & Elix
48. *Cryptothecia evergladensis* Seavey
F. Bungartz: previous records based on misidentifications of *Cryptothecia galapagoana* Bungartz & Elix
49. *Cryptothecia punctosorediata* Sparrius
F. Bungartz: all material belongs to *C. striata*
50. *Dictyonema moorei* (Nyl.) A. Henss.
previous reports are based on misidentifications of material that belongs to *D. membranaceum* s.l.
51. *Diploschistes aeneus* (Müll. Arg.) Lumbsch
F. Bungartz: the material previously identified as *D. aeneus* contains only gyrophoric acid and is therefore *D. badius*
52. *Diploschistes hypoleucus* Zahlbr.
F. Bungartz: the material previously identified as *D. hypoleucus* contains lcanoric acid and belongs to *Diploschistes rampoddensis* (Nyl.) Zahlbr.
53. *Diploschistes scruposus* (Schreb.) Norman
Misidentification of *Diploschistes cinereocaesius*, fide F. Bungartz annotations, 2009
54. *Dirina catalinariae* f. *catalinariae* Hasse
F. Bungartz: according to Tehler et al. (2013) *D. catalinariae* does not occur in Galapagos and the specimens refer to the newly described *Dirina pacifica* Tehler & Ertz; according to Aptroot & Sparrius (2008) specimens reported previously to *Roccellina badia* Tehler belong to *D. catalinariae* Hasse and thus also refer to *D. pacifica*.
55. *Dirina catalinariae* f. *sorediata* Tehler
F. Bungartz: according to Tehler et al. (2013) *D. catalinariae* does not occur in Galapagos and the specimens refer to the newly described *Dirina pacifica* Tehler & Ertz; according to Aptroot & Sparrius (2008) specimens reported previously to *Roccellina badia* Tehler belong to *D. catalinariae* Hasse and thus also refer to *D. pacifica*.

56. *Dirina herrei* Zahlbr.
Acc. name: *Dirina approximata* Zahlbr. fide Tehler et al. (2013); F. Bungartz: many specimens in COLO are misidentification of *Syncesia psaroleuca*, *S. graphica* and *Dirina approximata* fide F. Bungartz annotations, 2008; Type: Floreana, Post Office Bay, on smooth bark, Herre A.W.C.T. s.n. [LD - lectotype selected by Tehler et al. (2013), UPS - isolectotype and as Zahlbr. Lich. rar. Exs. n 269 in B, W] material not seen by F. Bungartz (no specimens in COLO?)
57. *Dirinaria aspera* (H. Magn.) D.D. Awasthi
Syn.: *Physcia aspera*, fide Elix & McCarthy (1998); Misidentification of *Dirinaria applanata*, fide F. Bungartz annotation, 2008
58. *Everniastrum subplanum* Sipman
F. Bungartz: the only specimen in CDS was collected by Aptroot 63652 on the Teleferico, Quito, mainland Ecuador (originally identified by Aptroot as cf. *sorocheilum*, but lobes broad, medulla K+ yellow -> red, P+ orange)
59. *Flavoparmelia baltimorensis* (Gyeln. & Főriss) Hale
F. Bungartz: misidentifications of *F. leucoxantha*; specimens do not have coarsely pustulate soredia, instead the soredia are mealy.
60. *Flavoparmelia caperata* (L.) Hale
F. Bungartz: misidentifications of *F. leucoxantha*.
61. *Graphina virginea* (Eschw.) Müll. Arg.
Misidentification of *Diorygma poitaei*, fide Bungartz et al. (2009)
62. *Graphis chrysocarpa* (Raddi) Spreng.
Syn.: *Phaeographina chrysocarpa*, fide A. Aptroot (pers. comm.); Misidentification of *Graphis subchrysocarpa*, fide Bungartz et al. (2009); specimens in COLO: Weber (L- 40405, L- 43952)
63. *Graphis desquamescens* Fée
Misidentification of *Graphis adpressa* or *G. anfractuosa*, fide Bungartz et al. (2009)
64. *Graphis striatula* (Ach.) Spreng.
Misidentification of *Graphis rimulosa*, fide Bungartz et al. (2009) and *Opegrapha graphidiza* s.l., fide F. Bungartz annotation, 2008
65. *Graphis subamylacea* Zahlbr.
Misidentification of *Graphis intricata*, fide Bungartz et al. (2009)
66. *Haematomma puniceum* (Sw. ex Ach.) A. Massal.
Syn.: *Lecanora punicea*; Misidentification of *Haematomma personii*, fide F. Bungartz annotations, 2008
67. *Herpothallon philippinum* (Vain.) Aptroot & Lücking
F. Bungartz: Galapagos specimens previously reported as *Herpothallon philippinum* (i.e., the *Herpothallon* species cited by Aptroot et al. 2009 to have a partially I+ blue medulla) lack pseudisidia and have asci confined to ascigerous cushions; this material thus belongs to *Cryptothecia striata*.
68. *Heterodermia lepidota* Swinscow & Krog
Misidentification of *Heterodermia antillarum*, fide F. Bungartz annot. 2006

69. *Hypotrachyna laevigata* (Sm.) Hale
Specimens reported in previous versions of this online checklist as *H. laevigata* were examined with TLC by A. Yáñez; all Galapagos material contains alectronic and alpha-colatolic acid and thus belongs to *H. explendens*.
70. *Julella fallaciosa* (Stizenb. ex Arnold) R.C. Harris
71. *Julella lactea* (A. Massal.) M.E. Barr
72. *Lecanographa illecebrosula* (Müll. Arg.) Egea & Torrente
Misidentification of *Lecanographa microcarpella*, fide Bungartz annotations, 2008
73. *Lecanora conizaea* (Ach.) Nyl.
in Lichenes Exsiccati, Colorado, No. 138, Weber (1981): Incorrect, but no alternative identification available; name also used in specimen FH 197184 by W.A. Weber, misidentification of *Lecanora floridula*, fide F. Bungartz annotation, 2009
74. *Lecanora glaucovirens* Tuck.
Type: Hassler Expedition (FH), coll. Rev. T. Hill; Weber (1986: 489) doubts that this specimen was actually collected in Galapagos; F. Bungartz: the type specimen (FH-TUCK 197145) does not belong to *Lecanora* but to *Lecidea* s.l. and no similar material was ever collected again in the Galapagos; the packet also contains a fragment of *Xanthoria parietina*, a species not known from Galapagos.
75. *Lecanora helva* Stizenb.
Misidentifications based on a confusion with the very similar *L. leprosa*, fide Bungartz annotations 2008; Guderley (1999) erroneously states that *L. helva* grows in association with the endemic *L. schindleri*, but all specimens he annotated are identified as *L. leprosa*, not *L. helva*.
76. *Lecanora orosthea* (Ach.) Ach.
F. Bungartz: misidentifications of sterile *L. substrobilina*
77. *Lecanora subcoarctata* (C. Knight) Hertel
F. Bungartz: Identification of the material by Hertel (1989) is incorrect, the record is based on a specimen of *L. avium*.
78. *Lecanora thysanophora* R.C. Harris
F. Bungartz: misidentifications of *Herpothallon granulare*
79. *Lecidea flavoareolata* nom. nud.
No author in Index Fungorum; Zahlbruckner's Cat. Lich. Univ. 7: 362; rejected by Weber (1966)
80. *Lepraria lobificans* Nyl.
F. Bungartz: previous reports belong to *Lepraria finkii* (B. de Lesd.) R.C. Harris
81. *Leprocaulon microscopicum* (Vill.) Gams
Misidentification of *Leprocaulon tenellum*, fide F. Bungartz annot. 2009
82. *Leptogium isidiosellum* (Riddle) Sierk
Misidentification, all Galapagos material belongs to *L. millegranum*, the lobes are fusing and the isidia are

coarsely granular, fide Bungartz (2008)

83. *Leptotrema mastoideum* Müll. Arg.

F. Bungartz: listed by Weber (1966) probably because the taxon is mentioned by Dodge [1936: Santa María (Charles or Floreana) January 1934, R.W. Taylor 903], but no specimen found in COLO, CAS or FH; later checklists by Weber (1985) or Elix & McCarty (1988) ignored this taxon.

84. *Leucodecton cf. desquamescens* (Vain.) Lücking

F. Bungartz: the only specimen upon which this preliminary identification was based reacts K+ yellow to red; *L. desquamescens* does not contain secondary metabolites according to Rivaz-Plata et al. (2010).

85. *Lithothelium obtectum* (Müll. Arg.) Aptroot

F. Bungartz & R. Miranda: misidentifications of *L. microsporum*; the "unpublished" Galapagos specimen cited by Aptroot (2006) is *L. microsporum*

86. *Lobaria dissecta* (Sw.) Raeusch.

Misidentification of *Lobaria patinifera*, fide F. Bungartz annotations, 2008

87. *Loxospora ochrophaea* (Tuck.) R.C. Harris

F. Bungartz: an undescribed new species *Bacidia*; Weber distributed specimens of this species as *Bacidia cf. millegrana* (COLO Exsiccat no. 121).

88. *Megalospora tuberculosa* (Fée) Sipman

reported in previous versions of this checklist, but later described as the new species: *Megalospora galapagoensis* Bungartz, Ziemmeck & Lücking

89. *Mycoporum pycnocarpoides* Müll. Arg.

Misidentification of *M. compositum*, fide F. Bungartz annotations, 2011

90. *Niebla sp. nov. ined.*

Described by Aptroot & Bungartz (2007) as *Ramalina fragilis*. The specimen mentioned by Weber (1986: 474) Sipman 63573 was not examined.

91. *Opegrapha graphidiza s.l.* Nyl.

Acc. name: *Opegrapha cactacearum s.str.* fide D. Ertz 2010

92. *Parmeliella mariana* (Fr.) P.M. Jørg. & D.J. Galloway

F. Bungartz: First reported by Weber (1986 p. 474) as *Parmeliella pannosa*. Index Fungorum suggests that *P. pannosa* is a synonym of *P. mariana* based on the Australian checklist. This is erroneous, both taxa are good species, *P. pannosa*, even if does not exist in Australia. Elix & McCarthy (1998 p. 171-172) recognize both *P. pannosa* and *P. mariana*, but suggest that the Galapagos record refers to *Parmeliella mariana*. The specimen that Weber collected and upon which the record is based, is , however, densely isidiate and thus refers to *Parmeliella stylophora* (Vain.) P.M. Jørg.

93. *Parmeliella pannosa* (Sw.) Müll. Arg.

F. Bungartz: First reported by Weber (1986 p. 474) as *Parmeliella pannosa*. Index Fungorum suggests that *P. pannosa* is a synonym of *P. mariana* based on the Australian checklist. This is erroneous, both taxa are good species, *P. pannosa*, even if does not exist in Australia. Elix & McCarthy (1998 p. 171-172) recognize both *P. pannosa* and *P. mariana*, but suggest that the Galapagos record refers to *Parmeliella mariana*. The specimen that Weber collected and upon which the record is based, is , however, densely isidiate and thus refers to

- Parmeliella stylophora* (Vain.) P.M. Jørg.
94. *Parmotrema hypotropum* (Nyl.) Hale
A. Spielmann: reports are based on misidentifications of *Parmotrema grayanum* (Hue) Hale.
95. *Parmotrema neotropicum* Kurok.
A. Spielmann: previous records erroneous
96. *Parmotrema peralbidum* (Hale) Hale
F. Bungartz & A. Spielmann: specimens annotated by Weber based on misidentification of *Canoparmelia raunkiaeri*; Syn.: *Parmelia peralbida*, fide Elix & McCarthy (1998)
97. *Parmotrema soyauxii* (Müll. Arg.) Hale
Syn.: *Parmelia soyauxii* Müll. Arg., fide Elix & McCarthy (1998); Weber (1986: 490): "Reported by Dodge (1936). The specimen was not found at FH or MO. This Dodge determination is not to be accepted"; F. Bungartz: no specimens found in FH, COLO, OSC.
98. *Peltigera didactyla* (With.) J.R. Laundon
Syn.: *Peltigera erumpens*, fide Elix & McCarthy (1998); originally reported in Weber (1986) from Isabela (Sipman L-52) and Santa Cruz (L-40302, L-41144), the Santa Cruz specimens are not tomentose and thus misidentifications of *P. ulcerata* Müll. Arg.
99. *Phaeophyscia hispidula* (Ach.) Moberg
Misidentification of *Hyperphyscia adglutinata*, fide A. Aptroot (pers. comm.)
100. *Phaeophyscia rubropulchra* (Degel.) Moberg
F. Bungartz: previously erroneously identified, all specimens at CDS are *Hyperphyscia pandani* (H. Magn.) Moberg
101. *Phyllopsora corallina* (Eschw.) Müll. Arg.
Specimen in COLO: misidentification of *Phyllopsora intermediella*
102. *Phyllopsora furfuracea* Zahlbr.
Misidentifications of *P. intermediella*, fide Timdal 2010
103. *Physcia aipolia* (A. Massal.) Zahlbr.
F. Bungartz: misidentifications of *P. mexicana* (all Galapagos specimens with K+ yellow medulla, but lacking zeorin); in Weber (1986) and Elix & McCarthy (1998) correctly referred to as *P. mexicana*.
104. *Physcia alba* (Fée) Müll. Arg.
F. Bungartz: Weber (1986) rejects the reports in Dodge (1926) and suggests that the specimen that Dodge cites (Taylor 874 e) is a *Dirinaria* sp.; material in FH refers to misidentifications of *Physcia mexicana*; two specimens in FH on Tuckerman herbarium sheet no. 919 identified by J.W. Thomson (FH-Tuck 259990 and 259989), both originally identified as *Physcia stellaris* var. *asteroides*; during a visit in September 2009 I annotated specimen FH-Tuck 259990 as *P. aipolia* (a misidentification of *P. mexicana*), and FH-Tuck 259989 as *Physcia* sp.
105. *Physcia biziana* (A. Massal.) Zahlbr.
F. Bungartz: misidentifications of *P. mexicana* (all Galapagos specimens lacking zeorin, medulla K+ yellow); Thompson (1963 p. 14) suggested this might be the correct name for *P. insularis*, but Weber (1968 p. 478)

disagrees (see comments there).

106. *Physcia convexella* Moberg

F. Bungartz: *P. convexella* was originally published based on a specimen from Cuzco, Peru at 2800 m altitude and it is very unlikely that Galapagos specimens that occur in the dry and coastal zone belong to this species. The only CDS specimen identified by Moberg (UPS) as *P. convexella* (Aptroot 64468) has a K+ yellow medulla and thus does not agree with the description in Moberg (1990), which states that *P. convexella* is K-. The specimen is treated here as *P. mexicana*.

107. *Physcia lacinulata* Müll. Arg.

All specimens have a black lower side and thus belong to *P. lobulata*, fide F. Bungartz

108. *Placidium squamulosum* (Ach.) Breuss

F. Bungartz: the erroneous record was based of a specimen identified by O. Breuss, but collected on the Ecuadorian mainland (Aptroot 63662; CDS 301218: Pinchincha Volcano near Quito).

109. *Placynthiella icmalea* (Ach.) Coppins & P. James

F. Bungartz: specimens have been annotated by M. Schultz as *Lecidopyrenopsis corticola* Vain.

110. *Polymeridium sulphurescens* (Müll. Arg.) R.C. Harris

F. Bungartz & R. Miranda: erroneous identification of *Pseudopyrenula diluta*.

111. *Porina chlorotica* (Ach.) Müll. Arg.

F. Bungartz & R. Miranda: previous reports based on misidentifications of *Strigula phaea*.

112. *Porina subinterstes* (Nyl.) Müll. Arg.

F. Bungartz & R. Miranda: The specimen (Bungartz 8758) originally annotated by R. Miranda as *P. subinterstes* has wart-shaped to hemispherical perithecia and thus belongs to *P. melanops*.

113. *Porina tetracerae* (Ach.) Müll. Arg.

In Elix & McCarthy (1998) erroneously cited from Galapagos (Weber 1993: 433), but the citation in Weber (1993) is from the Cocos Islands! Reports of the species in previous versions of this checklist were cited as "rejected"; one single specimen in CDS (Aptroot 64623) annotated by R. Lücking as *P. tetracerae* is extremely poorly developed and lacks perithecia; the specimen is treated here as *P. distans* (= *P. cf. conspersa*).

114. *Pyrenula acutalis* R.C. Harris

F. Bungartz & R. Miranda: all material previously identified as *P. acutalis* does not belong to that species.

115. *Pyrenula aff. septicollaris* (Eschw.) R.C. Harris

F. Bungartz & R. Miranda: misidentifications.

116. *Pyrenula cocoës* Müll. Arg.

F. Bungartz & R. Miranda: all previous reports based on misidentifications.

117. *Pyrenula cruentata* (Müll. Arg.) R.C. Harris

F. Bungartz & R. Miranda: most specimens belong to *P. cruenta*, one specimen is *P. breutelii*

118. *Pyrenula globifera* (Eschw.) Aptroot

F. Bungartz & R. Miranda: previous reports based on misidentifications.

119. *Pyrenula microcarpa* Müll. Arg.
F. Bungartz & R. Miranda: all specimens in CDS misidentifications; specimen in COLO not examined: Santa Cruz, on *Cordia lutea*, Darwin Station, Weber (L-40579), det. Aptroot, 1991, as *P. cinerea* (syn. of *P. microcarpa*)
120. *Pyrenula pyrenuloides* (Mont.) R.C. Harris
COLO 192496 was identified by A. Aptroot as *P. pyrenuloides*, but is fide R. Miranda annot. 2010 refers to *P. thelomorpha*
121. *Pyrrhospora russula* (Ach.) Hafellner
F. Bungartz: All Galapagos material grows on rock, has a creamish white to yellowish thallus that conforms well with *P. sanguinolenta*.
122. *Pyrrhospora sanguinolenta* (Kremp.) Rambold & Hafellner
F. Bungartz: all previous records based on misidentifications of *Ramboldia heterocarpa* (Fée) Kalb, Lumbsch & Elix
123. *Pyxine caesiopruinosa* (Tuck.) Imshaug
F. Bungartz: material with polyisidiangoid soredia belongs to *Pyxine subcinerea*; material with farinose soredia to *P. albovirens*.
124. *Pyxine connectens* Vain.
F. Bungartz: specimens in COLO identified as *P. connectens* all belong to *P. cocoes* and are not as A. Aptroot (pers. comm.) suspected misidentifications of *P. subcinerea*
125. *Pyxine soreciata* (Ach.) Mont.
F. Bungartz: Both Elix & McCarthy (1998) and Index Fungorum (Kirl 2013) are incorrect to suggest that Galapagos records of *P. eschweileri* (Weber 1986 p. 481) refer to *P. soreciata*. Index Fungorum (Kirk 2013) erroneously treats *P. eschweileri* as a general synonym of *Pyxine soreciata* (Ach.) Mont., based on the Australian Checklist. This is incorrect! The Australian Checklist checklist only refers to the Australian records of *P. eschweileri* as synonymous with *P. soreciata*, it does not claim that both species are generally identical; *P. eschweileri* has ascospores with 4 cells, a P+ red medulla and also differs from *P. soreciata* by its distribution.
126. *Ramalina australiensis* Nyl.
F. Bungartz: Elix & McCarthy (1998) suggest that reports by Weber (1986) of *R. dasypoga* auct. non Tuck. belong to *R. australiensis*. Herbarium specimens in FH labeled as *R. dasypoga* belong to several similar species (*R. aspera*, *R. complanata*, and *R. sideriza*); according to Aptroot (pers. comm.) also records of *R. dasypoga* are also based on misidentifications of *Ramalina soreciosa*.; Syn.: *Ramalina furcellata*, *Ramalina farinacea* auct. non Ach., *Ramalina dasypoga* auct. non Tuck.
127. *Ramalina denticulata* Nyl.
Misidentification of *Ramalina aspera*, fide A. Aptroot (pers. comm.)
128. *Ramalina farinacea* (L.) Ach.
Acc. name: *Ramalina australiensis*, fide Elix & McCarthy (1998) & misidentification of *Ramalina soreciosa*, fide Aptroot (pers. comm.)
129. *Ramalina furcellata* (Mont.) Zahlbr.
Acc. name: *Ramalina australiensis*, fide Elix & McCarthy (1998) & misidentification of *Ramalina soreciosa*,

fide Aptroot & Bungartz (2007)

130. *Ramalina linearis* R.H. Petersen & M. Zang
Misidentification of *Ramalina puiggarii*, fide Aptroot & Bungartz (2007) and of *R. complanata* and *R. sideriza* (FH specimens), fide F. Bungartz annotations, 2009
131. *Roccella lirellina* (Darb.) M. Choisy
Misidentification of *Roccella margaritifera* or *R. nigerrima* fide Tehler et al. (2009); initially presumed to occur in Galapagos (Tehler 2007), but later shown to be restricted to coastal Peru (Tehler et al. 2009). Syn: *Reinkella lirellina* Darb. fide Tehler et al. (2009)
132. *Roccella portentosa* (Mont.) Darb.
Misidentification of various species in the *Roccella galapagoensis* agg., fide Tehler et al. (2009)
133. *Roccellina nigrocincta* Tehler
Wrong reference therefore rejected by Aptroot & Sparrius (2008): Elix & McCarthy (1998: 253) referring to Tehler (1983: 61) who does not mention the species
134. *Stereocaulon weberi* var. *peruviana* Elix & McCarthy nom. nud.
F. Bungartz: not mentioned in the protologue of *Stereocaulon weberi* by Lamb., according to Elix (pers. comm.) no varieties of the species have ever been published and were listed in Elix & McCarthy (1998) by mistake.
135. *Sticta filix* (Sw.) Nyl.
Misidentifications of *S. dichotoma* s.l.
136. *Sticta quercizans* Ach.
Misidentification for *Sticta weigeli*, fide Weber (1966); Acc. name: *Sticta weigeli*, fide Elix & McCarthy (1998); Specimens in CAS: Isabela, Iguana Cove, Snodgrass & Heller; Floreana, A. Stewart No. 400; Santa Cruz, NW-side, A. Stewart No. 401
137. *Sticta sylvatica* (Huds.) Ach.
Misidentification of *Sticta weigeli* and *Sticta fuliginosa*, fide F. Bungartz
138. *Syncesia effusa* (Fée) Tehler
Syn.: *Chiodecton effusum*; F. Bungartz: all Galapagos specimens are misidentifications of *Cryptothecia assimilis*
139. *Syncesia flavescens* (Nyl.) Tehler
F. Bungartz: Galapagos specimens originally identified as *S. flavescens* were misidentifications of *Cryptothecia assimilis*, one specimen collected by Lawrence Pike (Pike 2772, OSC 59840) belongs to *S. flavescens*.
140. *Teloschistes exilis* (Michx.) Vain.
Probably based on misidentifications of *Teloschistes flavicans*, fide Bungartz, 2009
141. *Tephromela atra* (Huds.) Hafellner
Syn.: *Lecanora atra*, fide Elix & McCarthy (1998); F. Bungartz & K. Kalb: all records previously identified as this species are misidentifications of *Tephromela rizophorae*

142. *Trapelia placodioides* Coppins & P. James
F. Bungartz: specimens contain xanthones and are possibly an undescribed Pertusaria
143. *Tricharia melanothrix* Fée
F. Bungartz: all specimens (including the material in COLO) revised by R. Lücking to *T. vainioi*
144. *Trypethelium refertum* Stirt.
F. Bungartz: misidentification of *Anisomeridium tamarindi*
145. *Trypethelium tuberculosum* (Vain.) R.C. Harris
Misidentifications of *T. aff. marcidum* fide annotations F. Bungartz & R. Miranda, 2011
146. *Tylophorella pyrenocarpoides* (Müll. Arg.) Egea
F. Bungartz: record based on misidentifications of the anamorph of *Tylophoron moderatum*.
147. *Tylophoron cf. protrudens* Nyl.
F. Bungartz: record based on a misidentification of *T. hibernicum*.
148. *Usnea amabilis* Motyka
Misidentification; Weber (1986: 493) states that *U. longissima* reported by Stewart (1912) is *U. amabilis* even though he does not include this taxon in his main list, both IDs are misidentifications of *Usnea mexicana*, fide P. Clerc, M. de los Angeles, C. Truong annotations, 2008
149. *Usnea antillarum* (Vain.) Zahlbr.
Misidentification of various different *Usnea* spp., fide Clerc, P. annotations 2008
150. *Usnea arthroclada* Fée
Probably misidentification of *Usnea mexicana*, fide F. Bungartz
151. *Usnea ceratina* Ach.
Misidentification of *Usnea rubicunda*, fide Elix & McCarthy (1998)
152. *Usnea cladocarpa* Fée
Misidentification of *Usnea* spp., fide P. Clerc, M. de los Angeles & C. Truong annotations, 2008
153. *Usnea dasypoga* (Ach.) Röhl.
Misidentification of *Usnea cf. bornmuelleri* and *U. baileyi*, fide P. Clerc & C. Truong annotations, 2008
154. *Usnea longissima* Ach.
Misidentification for *U. mexicana*, fide P. Clerc, C. Truong & M. de los Angeles Herrera Campos (pers. comm, 2008)
155. *Usnea mirabilis* Motyka
Probably misidentifications of *Usnea rubicunda* fide C. Truong
156. *Usnea paradoxa* (Zahlbr.) Motyka
Misidentification of *Usnea angulata*, fide P. Clerc & C. Truong annotations, 2008 & F. Bungartz, 2009 (FH 197301)
157. *Usnea plicata* (L.) Weber ex F.H. Wigg.
Syn.: *Usnea dasypoga* var. *plicata*; According to Weber (1986: 493) "reported on the basis of scrappy specimens collected by J.H. Andersson and Charles Darwin" which do not resemble *U. plicata*.

158. *Usnea rubiginea* (Michaux) A. Massal.
C. Truong: Galapagos specimens under the name *U. rubiginea* (Weber 1987) belonged to *U. erinacea*, *U. rubicunda* or *U. poliotrix*; this taxon cited by Weber is listed in Elix & McCarthy (1998) as *Usnea rubicunda*.
159. *Verrucaria cf. pinguicula* A. Massal.
F. Bungartz: records based on misidentifications; all specimens identified by Breuss as *Verrucaria* sp. According to Orange et al. (2009, in Smith et al. *Lichens of Great Britain and Ireland* p. 954) *Verrucaria pinguicula* grows on hard limestone, a substrate absent from Galapagos.
160. *Verrucaria inficiens* Breuss
F. Bungartz: material initially identified by O. Breuss, later revised to *V. lecideoides*
161. *Verrucaria polysticta* Borrer
F. Bungartz: According to Breuss all with hymenial algae and thus referred to *Staurothele* sp.
162. *Xanthoparmelia microspora* (Müll. Arg.) Hale
F. Bungartz & A. Spielmann: Nash, Gries & Elix (1995) cite a specimen of *Xanthoparmelia microspora* (COLO Weber L-62892) that was originally, in 1976, also identified by Hale as *X. microspora*. However, Hale in 1980 revised his identification to *Pseudoparmelia leucoxantha*, which was recombined into *Flavoparmelia leucoxantha*. The specimen does contain protocetraric acid, not salazinic acid and thus does not belong to *X. microspora*!
163. *Xanthoria candelaria* (L.) Th. Fr.
Misidentification of *Xanthomendoza weberi*, fide F. Bungartz annotations, 2006
164. *Xanthoria cf. tenuiloba* L. Lindblom
Misidentification of *Xanthomendoza weberi*, fide F. Bungartz annotations, 2006
165. *Xylographa parallela* (Ach.) Fr.
F. Bungartz: the only specimen identified by A. Aptroot as this species (Aptroot 63072 A) has no ascomata, but its wood fibers are powdered with blackish dust that microscopically turns out to be brown, one septate spores with striate ornamentation; on the same substrate in the packet also grows *Pyrenula ochraceoflava* (Aptroot 63072 C) and an unidentified subsquamulose *Buellia* (Aptroot 63072 B).
166. *Xylographa vitiligo* (Ach.) J.R. Laundon
F. Bungartz: the only specimen originally identified as this species by A. Aptroot (Aptroot 64528) belongs to *Pertusaria darwiniana*.
167. *cf. Nadvornikia* sp.
R. Lücking & F. Bungartz: record based on a misidentification of *Heterocyphelium leucampyx*

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