

CDF Checklist of Galapagos Echinoderms

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Abstract

This Checklist of Galapagos Echinoderms includes a total of all 208 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 Echinoderms currently known.

These exclusively marine animals are well known for their radial symmetry and calcareous endoskeletons, for example the starfish. They have an open circulatory system lacking a heart, and some can regenerate missing limbs.

Of the approximately 200 species that occur in Galapagos, 34 are endemic or native to the archipelago.

Methods

This checklist of all known Galapagos Echinoderms 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Species Checklists represent the synthesis of many different records: literature citations, data from previously unpublished reports (grey literature), specimen records of natural history collections located in Galapagos and all over the world.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: 208 (204 accepted, 2 unidentified taxon, 2 doubtful).

Origin of the taxa included: 31 endemic, 161 indigenous, 1 questionable endemic.

1. *Acanthaster planci* (Linnaeus, 1758)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Hickman, C.P. Jr. et al. (1998).

2. *Agassizia scrobiculata* Valenciennes, 1846

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

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

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

3. *Amphichondrius granulatus* (Lütken & Mortensen, 1899)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Amphichondrius granulatus* Nielsen, 1932, *Amphichondrius unamexici* Caso, 1982, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

4. *Amphicontus minutus* Hill, 1940

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

5. *Amphilepis patens* Lyman, 1879

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

6. *Amphiodia tabogae* Nielsen, 1932

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

7. *Amphiophiura irregularis* Ziesenhenné, 1940

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

8. *Amphiophiura obtecta* (Lütken, 1899)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

9. *Amphiophiura paucisquama* Ziesenhenné, 1940

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

10. *Amphipholis squamata* (Delle Chiaje, 1828)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Amphioplus squamata* (Delle Chiaje, 1828), *Amphipholis appressa* Ljungman, 1872, *Amphipholis australiana* H.L. Clark, 1909, *Amphipholis elegans* (Farquhar, 1897), *Amphipholis japonica* Matsumoto, 1915, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

11. *Amphiura acrystata* H.L. Clark, 1911

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

12. *Amphiura arcystata* H.L. Clark, 1911

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Amphiura* (*Amphiura*) *acrystata* H.L. Clark, 1911 (lapsus calamus by Clark), *Amphiura acrystata* H.L. Clark, 1911 (lapsus calamus by Clark), *Hemilepis arcystata* (H.L. Clark, 1911), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

13. *Amphiura gymnogastra* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

14. *Amphiura polyacantha* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

15. *Amphiura serpentina* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

16. *Amphiura verticillata* Ljungman, 1867

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

17. *Aporocidaris milleri* (A. Agassiz, 1898)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Porocidaris milleri* A. Agassiz, 1898, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

18. *Arbacia incisa* (A. Agassiz, 1863)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Maluf, L.Y. et al. (1991).

19. *Asterina cf. modesta* Verrill, 1870

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

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Hickman, C.P. Jr. et al. (1998).

20. *Asteronyx loveni* Müller & Troschel, 1842

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Asteronyx Cooperi* Bell, 1909 , *Asteronyx dispar* Lütken & Mortensen, 1899 , *Asteronyx locardi* Koehler, 1896 , *Ophiuraster patersoni* Litvinova, 1998 , *Ophiuropsis lymani* Studer, 1884, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

21. *Asteropsis carinifera* (Lamarck, 1816)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Asterias carinifera* Lamarck, 181, m), *Asterope carinifera* Müller & Troschel, 1842, *Gymnasteria biserrata* von Martens, 1866 , *Gymnasteria carinifera* von Martens, 1866, *Gymnasteria inermis* Gray, 1840 , *Gymnasteria spinosa* Gray, 1840 , *Gymnasteria valvulata* Perrier, 1875, *Gymnasterias carinifera* Bell, 1893, *Pentacaster mammillatus* Tortonese, 1960, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Floreana.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

22. *Asteroschema sublaeve* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

23. *Astrodrum galapagensis* A.H. Clark, 1916

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Clark, A.H. et al. (1916), Maluf, L.Y. et al. (1991).

24. *Astrodia plana* (Lütken & Mortensen, 1899)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Asteronyx plana* Lütken & Mortensen, 1899, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

25. *Astrodictyum panamense* (Verrill, 1867)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Astrocaneum panamense* (Verrill, 1867), *Astrophyton panamense* Verrill, 1867, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

26. *Astrolirus panamensis* (Ludwig, 1905)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Brisinga panamensis* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

27. *Astrometis sertulifera* (Xantus, 1860)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Aphanasterias pycnopodia* Caso, 1943, *Asterias forreri* H.L. Clark, 1913, *Asterias sertulifera* Xantus, 1860, *Astrometis californica* (Verrill, 1914), *Orthasterias dawsoni* Verrill, 1914, *Orthasterias gonolena* Verrill, 1914, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Fernandina.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

28. *Astropecten armatus* Gray, 1840

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Isabela, Wolf.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998).

29. *Astropecten fragilis* Verrill, 1867

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

30. *Astropyga pulvinata* (Lamarck, 1816)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

31. *Bathycrinus equatorialis* A.H. Clark, 1908

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Maluf, L.Y. et al. (1991).

32. *Benthodytes incerta* Ludwig, 1893

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Benthodytes gotoi* Ohshima, 1915, *Benthodytes regularis* Clark, 1920, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

33. *Benthodytes sanguinolenta* Théel, 1882

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

34. *Benthopecten pectinifer* (Ludwig, 1905)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pararchaster pectinifer* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

35. *Benthopecten spinuliger* (Ludwig, 1905)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pararchaster spinuliger* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

36. *Brisaster latifrons* (A. Agassiz, 1898)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

37. *Brissopsis pacifica* (A. Agassiz, 1898)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

38. *Brissus obesus* Verrill, 1867

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Hickman, C.P. Jr. et al. (1998).

39. *Caenocentrotus gibbosus* (Agassiz & Desor, 1846)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Coenocentrotus gibbosus* (L. Agassiz, in L. Agassiz & Desor, 1846) (misspelling), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Isabela.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

40. *Calamocrinus diomedae* A. Agassiz, 1892

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Agassiz, A. et al. (1890), Maluf, L.Y. et al. (1991).

41. *Capheira sulcata* Ludwig, 1893

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

42. *Centrocidaris doederleini* (A. Agassiz, 1898)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

43. *Centrostephanus coronatus* Verrill, 1867

Taxon status: Accepted name; taxon occurs in Galapagos.

This species may be synonymous with *Centrostephanus longispinus*, from the western Atlantic, fide Maluf (1991)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Isabela.

References: Appeltans, W. et al. (2010), Banks, S. et al. (2009), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

44. *Clypeaster elongatus* H.L. Clark, 1948

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santiago.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

45. *Clypeaster europacificus* H.L. Clark, 1914
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
46. *Clypeaster ochrus* H.L. Clark, 1914
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Fernandina, Floreana, Isabela, San Cristóbal.
References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).
47. *Clypeaster rotundus* (A. Agassiz, 1863)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
Galapagos Distribution: Santa Cruz, Santiago.
References: Appeltans, W. et al. (2010), Hickin, N. et al. (1979), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).
48. *Clypeaster speciosus* Verrill, 1870
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
49. *Coronaster marchenus* Zieshenne, 1942
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Santa Cruz, Santiago.
References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (2008), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).
50. *Deima validum pacificum* Ludwig, 1894
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Deima pacificum* Ludwig, 1894, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
51. *Diadema mexicanum* A. Agassiz, 1863
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Fernandina, Santa Cruz.

References: Appeltans, W. et al. (2010), Banks, S. et al. (2009), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991), Shepherd, S.A. et al. (2003).

52. *Distolasterias robusta* (Ludwig, 1905)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Coscinasterias (Stolasterias) robusta* Ludwig, 1905, *Stylasterias robusta* (Ludwig, 1905), fide Appeltans et al. (2010)

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

53. *Dytaster gilberti* Fisher, 1905

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Dytaster demonstrans* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

54. *Echinometra oblonga* Blainville, 1825

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Echinometra mathaei oblonga* (Blainville, 1825) (accepted at species rank), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Banks, S. et al. (2009), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

55. *Echinometra vanbrunti* A. Agassiz, 1863

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Fernandina, Isabela, Santa Cruz.

References: Appeltans, W. et al. (2010), Banks, S. et al. (2009), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

56. *Encope micropora tetrapora* L. Agassiz, 1841

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Encope galapagensis* A.H. Clark, 1946 (subjective junior synonym of *Encope micropora tetrapora*), fide Appeltans et al. (2010)

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

57. *Encope perspectiva* L. Agassiz, 1841

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Encope perspectiva jonesi* A.H. Clark, 1948 (subjective junior synonym of *Encope perspectiva*), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

58. *Eremicaster crassus* (Sladen, 1883)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Eremicaster gracilis* Macan, 1938, *Eremicaster tenebrarius* (Fisher, 1905), *Eremicaster tenebrarius* Macan, 1938, *Eremicaster waltherii* (Ludwig, 1905), *Porcellanaster crassus* Sladen, 1883, *Porcellanaster gracilis* Sladen, 1883, *Porcellanaster tenebrarius* Fisher, 1905, *Porcellanaster waltherii* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

59. *Euapta godeffroyi* (Semper, 1868)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Fistularia punctulata* Quoy & Gaimard, 1834, *Synapta godeffroyi* Semper, 1868

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (2008), Hickman, C.P. Jr. et al. (1998).

60. *Eucidaris galapagensis* (Valenciennes, 1846)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Eucidaris thouarsii* (Valenciennes, 1846)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

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

References: Banks, S. et al. (2009), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991), Shepherd, S.A. et al. (2003).

61. *Euthyonidiella zaca* (Deichmann, 1938)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Phyllophorus zaca* Deichmann, 1938, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

62. *Evasterias troscheli* (Stimpson, 1862)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Asterias acanthostoma* Verrill, 1909 (Synonym), *Asterias brachiata* Perrier, 1875 (Synonym according to Verrill (1914) and Fisher (1930)), *Asterias epichlora* Brandt, 1835, *Asterias troscheli* Stimpson, 1862, *Asterias victoriana* Verrill, 1909 (Synonym according to Djakonov (1950)), *Evasterias acanthostoma* (Verrill, 1909), *Evasterias alveolata* Verrill, 1894, *Leptasterias epichlora* (Brandt, 1835), *Leptasterias inaequalis*

Verrill, 1914 (Synonym according to Fisher (1930)), *Leptasterias macouni* Verrill, 1914 (Synonym according to Fisher (1923), fide Appeltans et al. (2010))

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007).

63. *Florometra serratissima* (A.H. Clark, 1907)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Maluf, L.Y. et al. (1991).

64. *Freyellaster scalaris* (A.H. Clark, 1916)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Freyella scalaris* A.H. Clark, 1916, fide Appeltans et al. (2010)

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Clark, A.H. et al. (1916), Maluf, L.Y. et al. (1991).

65. *Gymnophiura mollis* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

66. *Heliaster cumingi* (Gray, 1840)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Asterias cumingii* Gray, 1840, *Asterias solaris* Carpenter, 1856, fide Appeltans et al. (2010)

Origin: Native, Endemic.

IUCN Red List: Data Deficient.

Galapagos Distribution: San Cristóbal, Santa Cruz.

References: Appeltans, W. et al. (2010), Azzaroli, M.L. et al. (1974), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

67. *Heliaster solaris* (A.H. Clark, 1920)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Asterias cumingii* Gray, 1840, *Asterias solaris* Carpenter, 1856, fide Appeltans et al. (2010)

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

68. *Henricia gracilis* (Ludwig, 1905)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cribrella gracilis* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

69. *Henricia nana* (Ludwig, 1905)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cribrella nana* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

70. *Hesperocidaris houstonianus* H. Clark, 1939

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

71. *Hesperocidaris panamensis* (A. Agassiz, 1898)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Dorocidaris panamensis* Agassiz, 1898, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Fé.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991), Smith, A.B. (ed.) et al. (2005).

72. *Histampica duplicata* Lyman, 1875

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Amphiactis duplicata* (Lyman, 187), *Amphiactis partita* (Koehler, 1904), *Amphiura duplicata* Lyman, 1875, *Amphiura partita* Koehler, 1904, *Ophiactis duplicata* (Lyman, 1875), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

73. *Histocidaris cobosi* (A. Agassiz, 1898)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

74. *Holothuria arenicola* Semper, 1868

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Holothuria brandtii* Selenka, 1867, *Holothuria humilis* Selenka, 1867, *Holothuria monsuni* Heding, 1939, *Sporadipus (Acolpos) maculatus* Brandt, 1835, *Thymiosycia arenicola* Semper, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

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

References: Hickman, C.P. Jr. et al. (1998).

75. *Holothuria atra* Jaeger, 1833

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Hickman, C.P. Jr. et al. (1998), Shepherd, S.A. et al. (2003).

76. *Holothuria difficilis* Semper, 1868

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Actinopyga bedfordi* Deichmann, 1922, *Actinopyga difficilis* Deichmann et al., 1924, *Actinopyga parvula* Clark, 1920, *Holothuria altimensis* Clark, 1921, *Holothuria frequentamentis* Clark, 1902, *Microthele difficilis* Semper, 1868, *Muelleria lubrica* Sluiter, 1894, *Mulleria lubrica* Sluiter, 1894, fide Appeltans et al. (2011)

Origin: Native, Indigenous.

Galapagos Distribution: Darwin, Fernandina, Santiago.

References: Appeltans, W. et al. (2010), Edgar, G.J. et al. (2002), Maluf, L.Y. et al. (1991).

77. *Holothuria fuscocinerea* (Jaeger, 1833)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Banks, S. et al. (2009), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Shepherd, S.A. et al. (2003).

78. *Holothuria hilla* Lesson, 1830

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Genovesa.

References: Hickman, C.P. Jr. et al. (1998).

79. *Holothuria imitans* Ludwig, 1875

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Halodeima pseudo-imitans* Cherbonnier, 1951, *Holothuria* (*Semperothuria*) *imitans* var. *polymorpha* Caso, 1962, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Fernandina, San Cristóbal, Santa Cruz.

References: Appeltans, W. et al. (2010), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

80. *Holothuria impatiens* (Forskål, 1775)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Fistularia impatiens* Forsskål, 17, *Holothuria* (*Thymiosycia*) *impatiens* *bicolor* Clark, 1938, *Holothuria* (*Thymiosycia*) *impatiens* *concolor* Clark, 1921, *Holothuria* (*Thymiosycia*) *impatiens* *lutea* Clark, 1921, *Holothuria* (*Thymiosycia*) *impatiens* *pulchra* Clark, 1921, *Holothuria* (*Thymiosycia*) *impatiens* var. *bicolor* Clark, 1938, *Holothuria* (*Thymiosycia*) *impatiens* var. *concolor* Clark, 1921, *Holothuria* (*Thymiosycia*) *impatiens* var. *lutea* Clark, 1921, *Holothuria* (*Thymiosycia*) *impatiens* var. *pulchra* Clark, 1921, *Holothuria* *botellus* Selenka, 1867, *Holothuria* *fulva* Quoy & Gaimard, 1834, *Holothuria* *ophidiana* Quoy & Gaimard, 1834, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

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

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

81. *Holothuria inhabilis* Selenka, 1867

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Holothuria* *hypamma* Clark, 1921, *Holothuria* *parinhabilis* Cherbonnier, 1951, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

82. *Holothuria kefersteini* (Selenka, 1867)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Stichopus kefersteinii* Selenka, 1867, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Isabela, Santa Cruz.

References: Appeltans, W. et al. (2010), Banks, S. et al. (2009), Constant, P. et al. (2007), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991), Shepherd, S.A. et al. (2003).

83. *Holothuria languens* Selenka, 1867

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

84. *Holothuria leucospilota* (Brandt, 1835)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Halodeima dicorona* Heding, 1934, *Holothuria* *gelatinosa* Heding, 1939, *Holothuria* *homoea* Clark, 1938, *Holothuria* *infesta* Sluiter, 1901, *Holothuria* *lagoena* Haacke, 1880, *Holothuria* *lamperti* Ludwig, 1887, *Holothuria* *oxurropa* Sluiter, 1887, *Holothuria* *vagabunda* Selenka, 1867, *Stichopus* (*Gymnochirota*) *leucospilota* Brandt, 1835, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Isabela, Santiago.

References: Appeltans, W. et al. (2010), Banks, S. et al. (2009), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

85. *Holothuria lubrica* Selenka, 1867

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Holothuria kapiolaniae* Bell, 1887, *Holothuria pseudo-lubrica* Cherbonnier, 1951, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Maluf, L.Y. et al. (1991).

86. *Holothuria pardalis* (Selenka, 1867)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Holothuria peregrina* Ludwig, 1875, *Holothuria tenuicornis* Helfer, 1913, *Lessonothuria pardalis* Selenka, 1867, fide Appeltans et al. (2010). This species may be conspecific with *H. insignis* (Maluf, 1991)

Origin: No Data.

IUCN Red List: Not Evaluated.

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

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

87. *Holothuria portovallartensis* Caso, 1954

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Fernandina, Genovesa, Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

88. *Holothuria rigida* (Selenka, 1867)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cystipus pleuripus* Haacke, 1880, *Muelleria aegyptiana* Helfer, 1912, *Mulleria aegyptiana* Helfer, 1912, *Stichopus rigidus* Selenka, 1867, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

89. *Holothuria theeli* (Deichmann, 1938)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Holothuria marenzelleri* var. *theeli* Deichmann, 1938, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Fernandina, San Cristóbal, Santa Cruz.

References: Appeltans, W. et al. (2010), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

90. *Hymenaster gracilis* Ludwig, 1905
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
91. *Hymenaster platyacanthus* Ludwig, 1905
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
92. *Isostichopus fuscus* Ludwig, 1875
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Stichopus fuscus* Ludwig, 1875, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Azzaroli, M.L. et al. (1974), Banks, S. et al. (2009), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991), Shepherd, S.A. et al. (2003).
93. *Labidodemas americanum* Deichmann, 1938
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
94. *Labidodemas maccullochi* (Diechmann, 1958)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Holothuria maccullochi* Diechmann, 1958 (Basionym), fide Appeltans et al. (2010)
Origin: No Data.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (2000), Hickman, C.P. Jr. et al. (1998).
95. *Laetmogone theeli* Ludwig, 1893
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
96. *Leiaster teres* (Verrill, 1871)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Lepidaster teres* Verrill, 1871
Origin: No Data.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (2008), Hickman, C.P. Jr. et al. (1998).

97. *Leptychaster inermis* (Ludwig, 1905)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

98. *Linckia columbiae* Gray, 1840

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Linckia diplax* Perrier, 1875, *Ophidiaster colombiae* Müller & Troschel, 1842, *Phataria fascialis* Monks, 1904, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

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

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

99. *Lissothuria veleronis* (Deichmann, 1941)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Thyonepsolus veleronis* Deichmann, 1941, fide Appeltans et al. (2010)

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

100. *Lophaster furcilliger* Fisher, 1905

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Lophaster validus* (Ludwig, 190, *Lophaster vexator* Fisher, 1910, *Sarkaster validus* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

101. *Lovenia cordiformis* A. Agassiz, 1872

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Santa Cruz.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

102. *Luidia bellonae* Lütken, 1865

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Luidia bellonae lorioli* (Meissner, 1896), *Luidia lorioli* Meissner, 1896, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Española, Isabela.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Hickman, C.P. Jr. et al. (2008), Hickman, C.P. Jr. et al. (2005), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

103. *Luidia columbia* (Gray, 1840)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Luidia brevispina* Lutken, 1871, *Luidia marginata* Koehler, 1911, *Petalaster columbia* Gray, 1840, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Isabela, Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (2008), Hickman, C.P. Jr. et al. (2005), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

104. *Luidia foliolata* (Grube, 1866)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

105. *Luidia superba* A.H. Clark, 1917

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (2008), Hickman, C.P. Jr. et al. (2005), Maluf, L.Y. et al. (1991).

106. *Lytechinus semituberculatus* (Agassiz & Desor, 1846)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Fernandina, Isabela, Santa Cruz.

References: Appeltans, W. et al. (2010), Azzaroli, M.L. et al. (1974), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickin, N. et al. (1979), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991), Shepherd, S.A. et al. (2003).

107. *Mellitella stokesii* (L. Agassiz, 1841)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

108. *Meoma ventricosa grandis* Gray, 1851
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Meoma grandis* Gray, 1851 (accepted at subspecies rank), fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
109. *Mesothuria multipes* Ludwig, 1893
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Mesites multipes* Ludwig, 1893, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
110. *Microphiopholis platydisca* (Nielsen, 1932)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Amphipholis platydisca* Nielsen, 1932, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
111. *Microphiopholis puntarenae* (Lütken, 1856)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Amphipholis puntarenae* (Lütken, 1856), *Amphiura puntarenae* Lütken, 1856, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
112. *Mithrodia bradleyi* Verrill, 1870
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Mithrodia enriquecasoi* Caso, 1976, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Floreana, Santiago.
References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).
113. *Myxoderma longispinum* (Ludwig, 1905)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Zoroaster longispinum* Ludwig, 1905, *Zoroaster perarmatus* H.L. Clark, 1920, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

114. *Nacospatangus oblonga* (Mortensen, 1950)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: Pseudomaretia oblonga Mortensen, 1950 (transferred to Nacospatangus), fide Appeltans et al. (2010)
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
115. *Narcissia gracilis* A.H. Clark, 1916
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Fernandina.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
116. *Neothyone gibber* (Selenka, 1867)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: No Data.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Fernandina, Isabela.
References: Appeltans, W. et al. (2010), Bustamante, R.H. et al. (2002), Hickman, C.P. Jr. et al. (1998), Hooker, J.D. et al. (1847).
117. *Nidorellia armata* (Gray, 1840)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: Gonioidiscus armata Lutken, 1859, Gonioidiscus conifer Möbius, 1859, Gonioidiscus michelini Perrier, 1869, Gonioidiscus stella Verill, 1870, Nidorellia michelini (Perrier, 1869), Oreaster armatus Müller & Troschel, 1842, Pentaceros armatus Gray, 1840, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Española, Fernandina, Floreana, Isabela, Pinta, Santa Cruz.
References: Appeltans, W. et al. (2010), Azzaroli, M.L. et al. (1974), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickin, N. et al. (1979), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991), Shepherd, S.A. et al. (2003).
118. *Nymphaster diomediae* Ludwig, 1905
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
119. *Ophiacantha cyrena* A.H. Clark, 1916
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Clark, A.H. et al. (1916), Maluf, L.Y. et al. (1991).

120. *Ophiacantha inconspicua* Lütken & Mortensen, 1899
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
121. *Ophiacantha phragma* Ziesenhenné, 1940
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
122. *Ophiacantha quadrispina* H.L. Clark, 1917
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
123. *Ophiacantha similis* A.H. Clark, 1916
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Clark, A.H. et al. (1916), Maluf, L.Y. et al. (1991).
124. *Ophiactis plana* Lyman, 1869
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
125. *Ophiactis savignyi* (Müller & Troschel, 1842)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophiactis brocki* de Loria, 1893, *Ophiactis conferta* Koehler, 1905, *Ophiactis incisa* v. Martens, 1870, *Ophiactis krebsii* Lütken, 1856, *Ophiactis maculosa* von Martens, 1870, *Ophiactis quadrispina* H.L. Clark, 1915, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: San Cristóbal, Santa Cruz.
References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).
126. *Ophiactis simplex* (Le Conte, 1851)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophiactis arenosa* Lütken, 18, *Ophiactis oerstedii* Lütken, 1856, *Ophiactis simplex* Le Conte, 1851, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.

References: Hickman, C.P. Jr. et al. (1998).

127. *Ophiernus adpersus annectens* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Ophiernus annectens* Lütken & Mortensen, 1899, *Ophiernus barracloughi* Tommasi, 1976, *Ophiernus belyaevi* Litvinova, 1975, *Ophiernus polyporus* Lütken & Mortensen, 1899, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

128. *Ophiernus seminudus* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

129. *Ophiocoma aethiops* Lütken, 1859

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: San Cristóbal, Santa Cruz.

References: Appeltans, W. et al. (2010), Banks, S. et al. (2009), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

130. *Ophiocoma alexandri* Lyman, 1860

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

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

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

131. *Ophiocomella schmitti* A.H. Clark, 1939

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: San Cristóbal, Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

132. *Ophiocten hastatum* Lyman, 1878

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Ophiocten australis* Baker, 1979, *Ophiocten latens* Koehler, 1906, *Ophiocten longispinum* Koehler, 1896, *Ophiocten pacificum* Lütken & Mortensen, 1899, *Ophiura hastata* (Lyman, 1878), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

133. *Ophioderma elaps* Lütken, 1856
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophioderma clypeata* Koehler, 1914, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
134. *Ophioderma panamensis* Lütken, 1859
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophioderma panamense* Lütken, 1859, *Ophiura panamensis* (Lütken, 1859), fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
135. *Ophioderma pentacantha* H.L. Clark, 1917
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophioderma pentacanthum* H.L. Clark, 1917, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
136. *Ophioderma teres* (Lyman, 1860)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophiura teres* Lyman, 1860, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Fernandina, Santiago.
References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).
137. *Ophioderma variegata* Lütken, 1856
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophioderma variegatum* Lütken, 1856, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Maluf, L.Y. et al. (1991).
138. *Ophirolebes mortenseni* A.H. Clark, 1916
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Clark, A.H. et al. (1916), Maluf, L.Y. et al. (1991).
139. *Ophiomisidium leurum* Ziesenhenné, 1940
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

140. *Ophiomusium diomedea* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

141. *Ophiomusium glabrum* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Ophiosphalma glabrum* (Lütken & Mortensen, 1899), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

142. *Ophiomusium lymani* Wyville-Thomson, 1873

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Ophiomusa lymani* (Wyville-Thomson, 1873), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

143. *Ophiomyxa panamensis* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

144. *Ophionereis albomaculata* E.A. Smith, 1877

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Questionable Endemic.

Galapagos Distribution: Isabela, Marchena, Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991), Smith, E.A. et al. (1877).

145. *Ophionereis annulata* (Le Conte, 1851)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Ophiolepis annulata* Le Conte, 1851, *Ophiolepis triloba* Lütken, 1856, *Ophionereis dictyota* Ziesenhenné, 1940, *Ophionereis triloba* (Le Conte, 1851), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

146. *Ophionereis nuda* Lütken & Mortensen, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

147. *Ophionereis perplexa* Ziesenhenné, 1940

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

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

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

148. *Ophiophragmus disacanthus* Ziesenhenné, 1940

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

149. *Ophiophragmus marginatus* (Lütken, 1859)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Amphiura marginata* Lütken, 1856, *Ophiophragmus marginata* (Lütken, 1856), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

150. *Ophiophragmus paucispinus* Nielsen, 1932

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

151. *Ophiophragmus* sp.

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

Origin: No Data.

Galapagos Distribution: Floreana, Isabela, Santa Cruz.

References: Hickman, C.P. Jr. et al. (1998).

152. *Ophiophragmus tabogensis* Nielsen, 1932

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

153. *Ophiophyllum marginatum* A.H. Clark, 1916

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Clark, A.H. et al. (1916), Maluf, L.Y. et al. (1991).

154. *Ophioplinthus inornata* (Lyman, 1878)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Homalophiura inornata (Lyman, 187, Ophioglypha indivisa Lütken & Mortensen, 1899, Ophioglypha inornata Lyman, 1878, Ophiurolepis inornata (Lyman, 1878), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

155. *Ophioplocus hancocki* Ziesenhenné, 1935

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Isabela, Santa Cruz.

References: Appeltans, W. et al. (2010), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

156. *Ophiosphalma jolliense* (McClendon, 1909)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Ophiomusium jolliense McClendon, 1909, Ophiomusium jolliensis McClendon, 1909, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

157. *Ophiothamnus laevis* Lütken, 1899

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

158. *Ophiothela mirabilis* (Verrill, 1867)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: No Data.

Galapagos Distribution: Floreana, Genovesa, Santa Cruz.

References: Hickman, C.P. Jr. et al. (1998).

159. *Ophiotholia spathifer* (Lyman, 1879)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Ophiomyces multispinus (Koehler, 1904), Ophiomyces spathifer Lyman, 1879, Ophiotholia multispina Koehler, 1904, fide Appeltans et al. (2010)

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

160. *Ophiothrix galapagensis* Lütken & Mortensen, 1899
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
161. *Ophiothrix magnifica* Lyman 1860
Taxon status: The identification of this taxon or its occurrence in Galapagos is doubtful.
Origin: No Data.
Galapagos Distribution: Fernandina, Isabela.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
162. *Ophiothrix spiculata* LeConte, 1851
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Floreana, Isabela, Pinzón, Santa Cruz.
References: Appeltans, W. et al. (2010), Bustamante, R.H. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).
163. *Ophiotreta valenciennesi valenciennesi* (Lyman, 1879)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophiacantha bisquamata* Matsumoto, 1915, *Ophiacantha valenciennesi* Lyman, 1879, *Ophiotreta bisquamata* (Matsumoto, 1915), *Ophiotreta valenciennesi* (Lyman, 1879), fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
164. *Ophiozonella alba* (Lütken & Mortensen, 1899)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophiozona alba* Lütken, 1899, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
165. *Ophiozonella clypeata* (Lyman, 1883)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophiozona clypeata* Lyman, 1883, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
166. *Ophiozonella contigua* (Lütken & Mortensen, 1899)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Ophiozona contigua* Lütken & Mortensen, 1899, fide Appeltans et al. (2010)

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

167. *Ophiura flagellata* (Lyman, 1878)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Gymnophiura caerulescens* Lütken & Mortensen, 189, *Gymnophiura caerulescens* Lütken & Mortensen, 1899, *Gymnophiura flagellata* (Lyman, 1878), *Ophioglypha flagellata* Lyman, 1878, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

168. *Ophiura irrorata irrorata* (Lyman, 1878)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Homalophiura irrorata* (Lyman, 1878), *Ophioglypha figurata* Koehler, 1908, *Ophioglypha grandis* Verrill, 1894, *Ophioglypha integra* Koehler, 1908, *Ophioglypha involuta* Koehler, 1897, *Ophioglypha irrorata* Lyman, 1878, *Ophioglypha orbiculata* Lyman, 1878, *Ophioglypha tumulosa* Lütken & Mortensen, 1899, *Ophiura irrorata* (Lyman, 1878), *Ophiura involuta* (Koehler, 1899), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

169. *Ophiura plana* (Lütken & Mortensen, 1899)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Ophioglypha plana* Lütken & Mortensen, 1899, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

170. *Ophiuroconis bispinosa* Ziesenhenn, 1937

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

171. *Pachythyone lugubris* (Deichmann, 1939)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Thyone lugubris* Deichmann, 1939, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

172. *Paulia horrida* Gray, 1840

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Goniodiscus horridus* Müller & Troschel, 1842, *Nidorellia horrida* Perrier, 1875, *Pauliella aenigma* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Fernandina, Santa Cruz.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Hickman, C.P. Jr. et al. (2008), Maluf, L.Y. et al. (1991).

173. *Pectinaster agassizi* Ludwig, 1905

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cheiraster agassizi* Ludwig, 1905, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

174. *Pelagothuria natatrix* Ludwig, 1893

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pelagothuria ludwigi* Chun, 1900, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

175. *Peniagone gracilis* (Ludwig, 1894)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Scotoanassa gracilis* Ludwig, 1893, fide Appeltans et al. (2010)

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

176. *Peniagone intermedia* Ludwig, 1893

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

177. *Peniagone vitrea* Théel, 1882

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Peniagone vitrea* var. *setosa* Ludwig, 1893, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

178. *Pentaceraster cumingi* (Gray, 1840)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Oreaster hawaiiensis* (Fisher, 190, *Oreaster occidentalis* Verrill, 1870, *Pentaceros cumingi* Gray, 1840
Pentaceros hawaiiensis Fisher, 1906, *Pentaceros occidentalis* (Verrill, 1870), fide Appeltans et al.

(2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Azzaroli, M.L. et al. (1974), Banks, S. et al. (2009), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

179. *Pentamera chierchiae* (Ludwig, 1887)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cucumaria chierchiae* Ludwig, 1887, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

180. *Pentamera chiloensis* (Ludwig, 1887)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cucumaria chiloensis* Ludwig, 1887, *Cucumaria tabulifera* Perrier R, 1904, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

181. *Pentamera sp.*

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

Origin: No Data.

Galapagos Distribution: Santa Cruz.

References: Hickman, C.P. Jr. et al. (1998).

182. *Pharia pyramidatus* (Gray, 1840)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Ophidiaster* (*Pharia*) *pyramidatus* Gray, 1840, *Ophidiaster porosissimus* Lutken, 1859, *Ophidiaster pyramidatus* Gray, 1840, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

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

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

183. *Phataria unifascialis* (Gray, 1840)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Linckia* (*Phataria*) *unifascialis* Gray, 1840, *Linckia bifascialis* Gray, 1840, *Linckia unifascialis* Gray, 1840, *Ophidiaster suturalis* Müller & Troschel, 1842, *Phataria bifascialis* (Gray, 1840), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

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

References: Appeltans, W. et al. (2010), Banks, N. et al. (1901), Banks, S. et al. (2009), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

184. *Plesiodiadema horridum* (A. Agassiz, 1898)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

185. *Poraniopsis inflatus* (Fisher, 1906)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Alexandrastrer inflatus* Fisher, 1906, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

186. *Pourtalesia tanneri* A. Agassiz, 1898

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Sphaerothuria bitentaculata* Ludwig, 1893, *Ypsilothuria bitentaculata attenuata* E. Perrier, 1886, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

187. *Psathyrometra bigradata* (Hartlaub, 1895)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Maluf, L.Y. et al. (1991).

188. *Pseudarchaster pulcher* Ludwig, 1905

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

189. *Pseudostichopus mollis* Théel, 1886

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Pseudostichopus* (*Pseudostichopus*) *alatus* Imaoka, 1990, *Pseudostichopus nudus* Ohshima, 1915, *Pseudostichopus trachus* Sluiter, 1901, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

190. *Psilaster sladeni* Ludwig, 1905

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

191. *Psolus diomedae* Ludwig, 1893

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

192. *Psychropotes verrucosa* (Ludwig, 1894)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Euphronides bifurcata* Koehler & Vaney, 1905, *Euphronides verrucosa* Ludwig, 1893, fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

193. *Rathbunaster californicus* Fisher, 1906

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007).

194. *Rhyncholampas pacificus* A. Agassiz, 1863

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Cassidulus pacificus* (A. Agassiz, 1863), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Caso, M.E. et al. (1981), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

195. *Salenocidaris miliaris* (A. Agassiz, 1898)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

196. *Schizaster rotundatus* (Döderlein, 1906)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: *Paraster rotundatus* (Döderlein, 1906) (transferred to *Schizaster*), fide Appeltans et al. (2010)

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

197. *Sigsbeia lineata* Lütken & Mortensen, 1899
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
198. *Stichopus horrens* Selenka, 1867
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Stichopus variegatus* Semper, 1868
Origin: Native, Indigenous.
IUCN Red List: Not Evaluated.
Galapagos Distribution: Pinta, Santa Cruz, Santiago.
References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Shepherd, S.A. et al. (2003).
199. *Synallactes aenigma* Ludwig, 1894
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Scotodeima parvispiculatum* Clark, 1920, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
200. *Synallactes triplax* Clark, 1920
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
201. *Tamaria obstipa* Ziesenhenné, 1942
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
202. *Tarsaster galapagensis* (Ludwig, 1905)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Sporasterias galapagensis* Ludwig, 1905, fide Appeltans et al. (2010)
Origin: Native, Indigenous.
Galapagos Distribution: Santa Cruz.
References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).
203. *Tethyaster canaliculatus* (A.H. Clark, 1916)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: *Moiraster gigas* Caso, 1947, *Sideriaster canaliculata* A.H. Clark, 1916, *Tethyaster gigas* (Caso, 1947)
Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Gelin, A. et al. (2002), Hickman, C.P. Jr. et al. (2008).

204. *Thalassometra agassizii* (Hartlaub, 1895)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Maluf, L.Y. et al. (1991).

205. *Thyone neofusus* Deichmann, 1941

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

206. *Toxopneustes roseus* (A. Agassiz, 1863)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Floreana, Marchena.

References: Appeltans, W. et al. (2010), Azzaroli, M.L. et al. (1974), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991).

207. *Tripneustes depressus* A. Agassiz, 1863

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

IUCN Red List: Not Evaluated.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Constant, P. et al. (2007), Edgar, G.J. et al. (2002), Hickman, C.P. Jr. et al. (1998), Maluf, L.Y. et al. (1991), Shepherd, S.A. et al. (2003).

208. *Tromikosoma hispidum* (A. Agassiz, 1898)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Indigenous.

Galapagos Distribution: Santa Cruz.

References: Appeltans, W. et al. (2010), Maluf, L.Y. et al. (1991).

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References

1. Agassiz, A. (1890) *Notice of Calamocrinus diomedae, a New Stalked Crinoid from the Galapagos, Dredged by the US Fish Comm. Steamer Albatross, Lieut. Comdr z. L. Tanner, USN.* Bull. Mus. Comp. Zool. 20:165-167
2. Appeltans, W., Bouchet, P., Boxshall, G.A., Fauchald, K., Gordon, D.P., Hoeksema, B.W., Poore, G.C.B., van Soest, R.W.M., Stöhr, S., Walter, T.C., Costello, M.J. (eds.) (2010) *World Register of Marine Species (WoRMS)*. Available online at <http://www.marinespecies.org>.
3. Azzaroli, M.L. (1974) *Notes on Some Echinoderms from the Galapagos Islands*. Gruppo Ricerche Scientifiche e Tecniche Subacquee, pp. 1-8.
4. Banks, N. (1901) *Papers from the Hopkins Stanford Galapagos Expedition, 1898-1899. V. Entomological Results 5: Thysanura and Termitidae*. Proc. Washington Acad. Sci. 3: 541-546.
5. Banks, S., Vera, M. & Chiriboga, A. (2009) *Establishing Reference Points to Assess Long-Term Change in Zooxanthellate Coral Communities of the Northern Galapagos Coral Reefs*. J. Sci. Conserv. in the Galapagos Islands, p. 43-64.
6. Bustamante, R.H., Vinueza, L.R., Smith, F., Banks, S., Calvopiña, M., Francisco, V., Chiriboga, A., Harris, J. (2002) *Comunidades submareales rocosas I: Organismos sésiles y mesoinvertebrados móviles*. In: Danulat, E. & Edgar, G.J. (eds.) (2002): *Reserva Marina de Galápagos. Línea Base de la Biodiversidad*. Fundación Charles Darwin/Servicio Parque Nacional Galápagos, Santa Cruz, Galápagos, Ecuador, p. 38-67.
7. Caso, M.E. (1981) *The Echinoids of the Pacific Coast of Mexico fourth part - Orders Cassiduloida and Spatangoida*. Monography IV, Universidad Autónoma de México (UNAM).
8. Clark, A.H. (1916) *One new starfish and five brittle stars from Galápagos Islands*. Ann. and Mag. Natl. Hist., Ser 8, 18: 115-122.
9. Constant, P. (2007) *Marine Life of the Galapagos*. The Diver's guide to Fishes, Whales, Dolphins and marine Invertebrates, 307 pp.
10. Edgar, G.J., Fariña, J.M., Calvopiña, M., Martínez, C. & Banks, S. (2002) *Comunidades submareales rocosas II: Peces y macroinvertebrados móviles*. In: Danulat, E. & Edgar, G.J. (eds.) (2002): *Reserva Marina de Galápagos. Línea Base de la Biodiversidad*. Fundación Charles Darwin/Servicio Parque Nacional Galápagos, Santa Cruz, Galápagos, Ecuador, p. 68-97.
11. Gelin, A., Gravez, V. (2002) *Lagunas costeras*. In: Danulat, E. & Edgar, G.J. (eds.) (2002): *Reserva Marina de Galápagos. Línea Base de la Biodiversidad*. Fundación Charles Darwin/Servicio Parque Nacional Galápagos, Santa Cruz, Galápagos, Ecuador, p. 119-145.
12. Hickin, N. (1979) *Animal life of the Galapagos*. Ferundune Books, Faringdon, U.K., 236 pp.
13. Hickman, C.P. Jr. (1998) *A Field Guide to Sea Stars and other Echinoderms of Galápagos*. Sugar Spring Press, Lexington, Virginia, 83 pp.
14. Hickman, C.P. Jr., Zimmerman, T.L. (2000) *A Field Guide to Crustaceans of Galápagos*. Sugar Spring Press, Lexington, Virginia, 156 pp.

15. Hickman, C.P. Jr., Chiriboga, A., Ober, W.C. (2005) *A field guide to corals of Galápagos*. Sugar Spring Press, Lexington, Virginia, 54 pp.
16. Hickman, C.P. Jr. (2008) *A field guide to corals and other radiates of Galápagos*. Sugar Spring Press, Lexington, Virginia, 162 pp.
17. Hooker, J.D. (1847) *An Enumeration of the Plants of the Galapagos Archipelago; with descriptions of those which are new*. Transactions of the Linnean Society of London 20: 163-233.
18. Maluf, L.Y. (1991) *Echinoderm Fauna of the Galápagos Islands*. In: James, M.J. (ed.): *Galápagos Marine Invertebrates. Taxonomy, Biogeography, and Evolution in Darwin's Islands*. Plenum Press, New York and London, p. 345-367.
19. Shepherd, S.A., Toral-Granda, V. & Edgar, G.J. (2003) *Estimating the abundance of clustered and cryptic marine macro-invertebrates in the Galapagos with particular reference to sea cucumbers*. Noticias de Galapagos 62: 36-39.
20. Smith, A.B. (ed.) (2005) *The Echinoid Directory*. World Wide Web electronic publication.
<http://www.nhm.ac.uk/research-curation/projects/echinoid-directory/index> [accessed June/2010]
<http://www.nhm.ac.uk/research-curation/research/projects/echinoid-directory/taxa/taxon.jsp?id=1134>
21. Smith, E.A. (1877) *Mollusca*. In: Günther, A.: *Account of the zoological collections made during the visit of H.M.S. "Petrel" to the Galapagos Islands*. Proceedings of the Zoological Society of London (1877): 69-73, 91-93.

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