

DEEP-SEA BENTHIC MEGAFaUNA OF CABO VERDE (EASTERN EQUATORIAL ATLANTIC OCEAN)

Photographic identification catalog based on ROV images
from iMirabilis2

Version 1, May 2022

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iAtlantic
INTEGRATED ASSESSMENT OF ATLANTIC
MARINE ECOSYSTEMS IN SPACE AND TIME



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Introduction

The iMirabilis2 expedition took place from 23rd July to 30th August 2021 on board the R/V Sarmiento de Gamboa (Orejas et al., 2022). During the expedition, the deep-sea megabenthic communities of the SW of Cabo Verde Archipelago were explored with the ROV Luso (EMPEC). Data for the characterization of the deep-sea hard-bottom megabenthic communities were acquired during 8 ROV dives (dives 1 to 10) across Cadamosto seamount and the slopes of Fogo and Brava Islands, where video transects covered a bathymetric distribution from 2100m to 1400m of depth. Abyssal areas were surveyed along 2 ROV dives (dive 11 and 12) at ca. 3500m of depth, with ROV Luso reconfigured with two still cameras mounted facing vertically for the assessment of abyssal megafauna.

In this photo-catalog, we have identified, to the lowest possible taxonomic level, the organisms observed in the ROV video and photos, as well as other relevant information (i.e. substrate type) used for the quantitative analysis of the video data. The classification presented here is preliminary and species IDs will be confirmed with the examination of physical specimens, whenever possible.

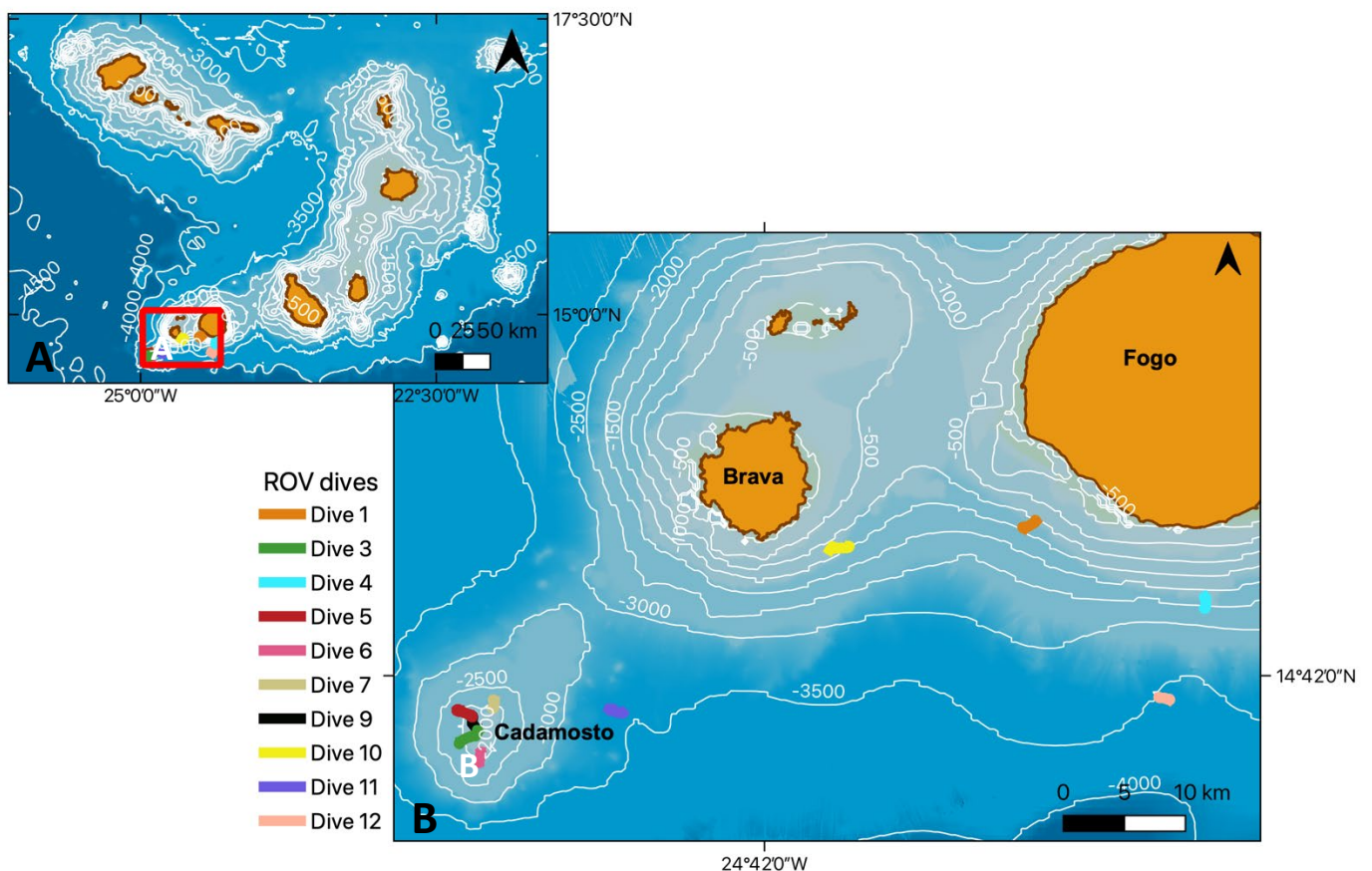
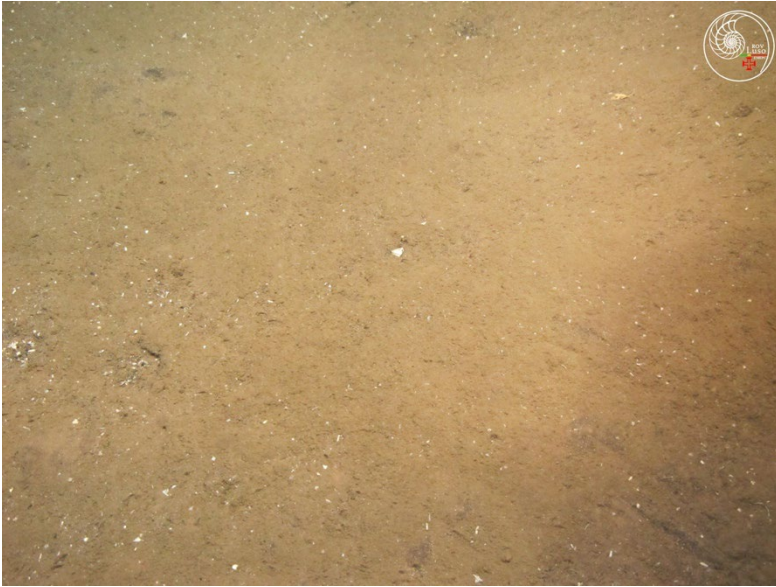


Figure 1 Map with the location of (A) the study area explored with ROV Luso during iMirabilis2 and (B) the ROV transects for the characterization of the hard-bottom (dives 1 to 10) and abyssal (dive 11 and 12) deep-sea megabenthic communities of Cabo Verde. For more details see Orejas et al., (2022).

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iMirabilis2(IEO,CSIC)/EMPEC/iAtlantic project

Substrate type



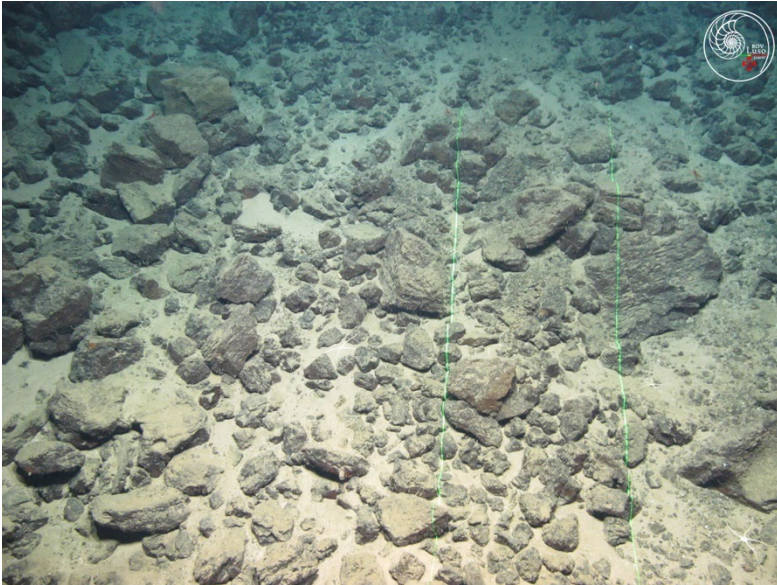
Soft Sediment



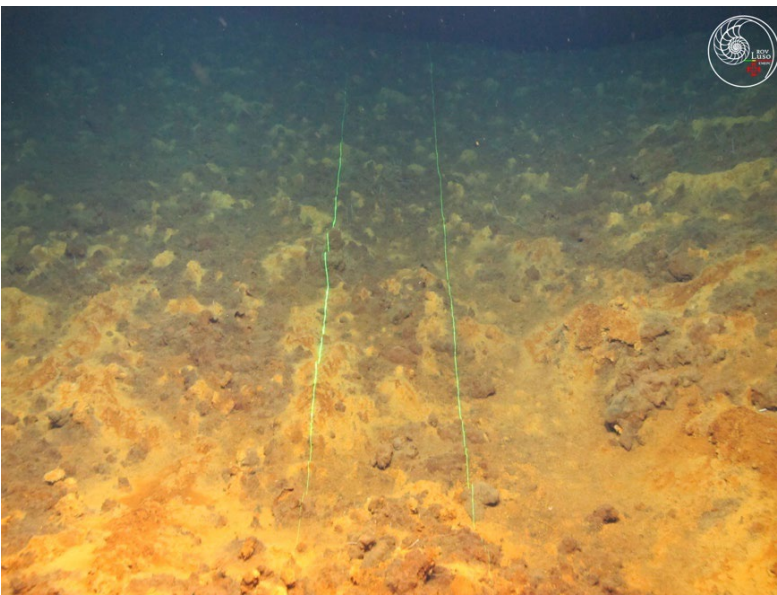
Sand with pebbles and cobbles



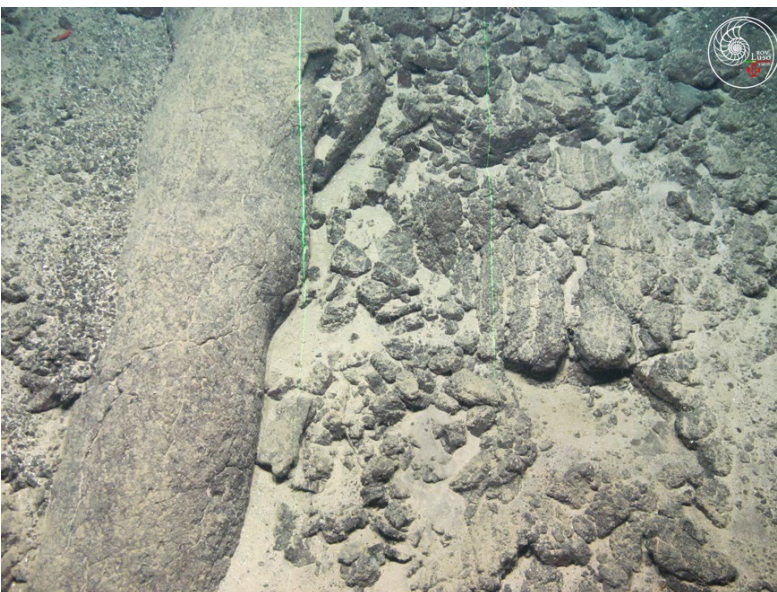
Sand with boulders



Boulders



Iron-rich Rocks



Volcanic Rocky



Mollusca shells on soft sediment



Stylasterids on rocky substrate

Foraminifera

Xenophyophoroidea



***Syringamina* sp.**

Chromista (Kingdom) > Harosa
(Subkingdom) > Rhizaria (Infrakingdom) >
Foraminifera (Phylum) >
Monothalamea (Class) >
Xenophyophoroidea (Superfamily) >
Syringamminidae spp. 1 (Family) >
Syringamina sp. (Genus)

Image information:

Dive 4 – Fogo
Depth: 1795m



***Syringamminidae* spp.**

Chromista (Kingdom) > Harosa
(Subkingdom) > Rhizaria (Infrakingdom) >
Foraminifera (Phylum) >
Monothalamea (Class) >
Xenophyophoroidea (Superfamily) >
Syringamminidae spp. (Family)

Image information:

Dive 4
Depth: 1800m

Porifera

Demospongiae



***Geodia* spp. 1**

Porifera (Phylum) > Demospongiae (Class) >
Heteroscleromorpha (Subclass) >
Tetractinellida (Order) >
Astrophorina (Suborder) > Geodiidae (Family) >
Geodiinae (Subfamily) > *Geodia* spp. 1 (Genus)

Image information:

Dive 7 – Cadamosto Seamount
Depth: 1910m



***Geodia* spp. 2**

Porifera (Phylum) > Demospongiae (Class) >
Heteroscleromorpha (Subclass) >
Tetractinellida (Order) >
Astrophorina (Suborder) > Geodiidae (Family) >
Geodiinae (Subfamily) > *Geodia* spp. 2 (Genus)

Image information:

Dive 7 - Cadamosto Seamount
Depth: 1900m



***Petrosia* sp.**

Porifera (Phylum) > Demospongiae (Class) > Heteroscleromorpha (Subclass) > Haplosclerida (Order) > Petrosiidae (Family) > *Petrosia* sp. (Genus)

Image information:

Dive 7 - Cadamosto Seamount
Depth: 1910m



***Chalinidae* sp.**

Porifera (Phylum) > Demospongiae (Class) > Heteroscleromorpha (Subclass) > Haplosclerida (Order) > *Chalinidae* sp. (Family)

Image information:

Dive 5 – Cadamosto seamount
Depth: 1700m

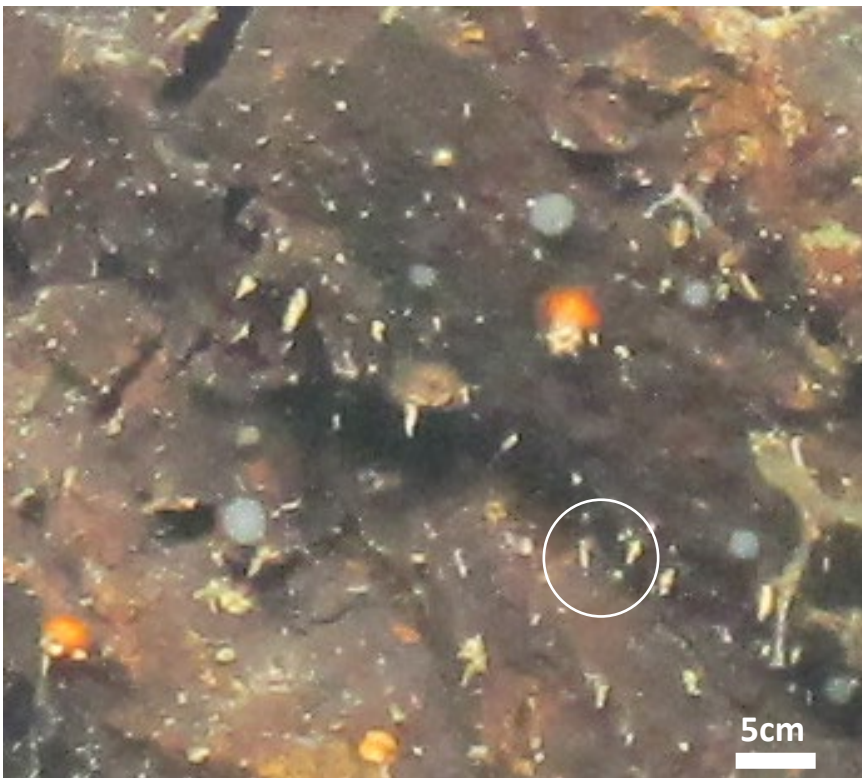


Tetillidae spp. ?

Porifera (Phylum) > Demospongiae (Class) > Heteroscleromorpha (Subclass) > Tetractinellida (Order) > Spirophorina (Suborder) > Tetillidae spp. (Family)?

Image information:

Dive 7 - Cadamosto Seamount
Depth: 1920m



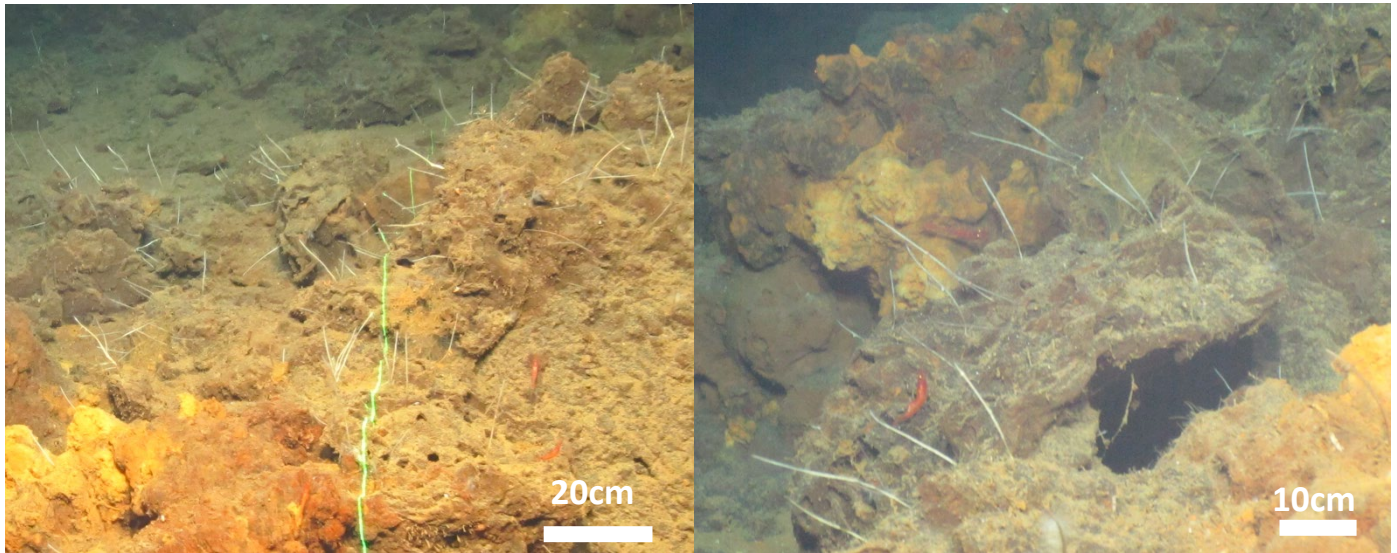
Polymastiidae sp.

Porifera (Phylum) > Demospongiae (Class) > Heteroscleromorpha (Subclass) > Polymastiida (Order) > Polymastiidae sp. (Family)

Image Information:

Dive 5 – Cadamosto seamount
Depth: 1765m

Note: Not included in the video analysis as it is smaller than 5cm.



Cladorhizidae sp. 1

Porifera (Phylum) > Demospongiae (Class) > Heteroscleromorpha (Superfamily) > Poecilosclerida (Order) > Cladorhizidae sp. (Family)

Image information:

Dive 3 – Cadamosto seamount

Depth: 1455m



Cladorhizidae sp. 2

Porifera (Phylum) > Demospongiae (Class) > Heteroscleromorpha (Superfamily) > Poecilosclerida (Order) > Cladorhizidae sp. 2 (Family)

Image information:

Dive 12 – Fogo
Depth: 3508 m

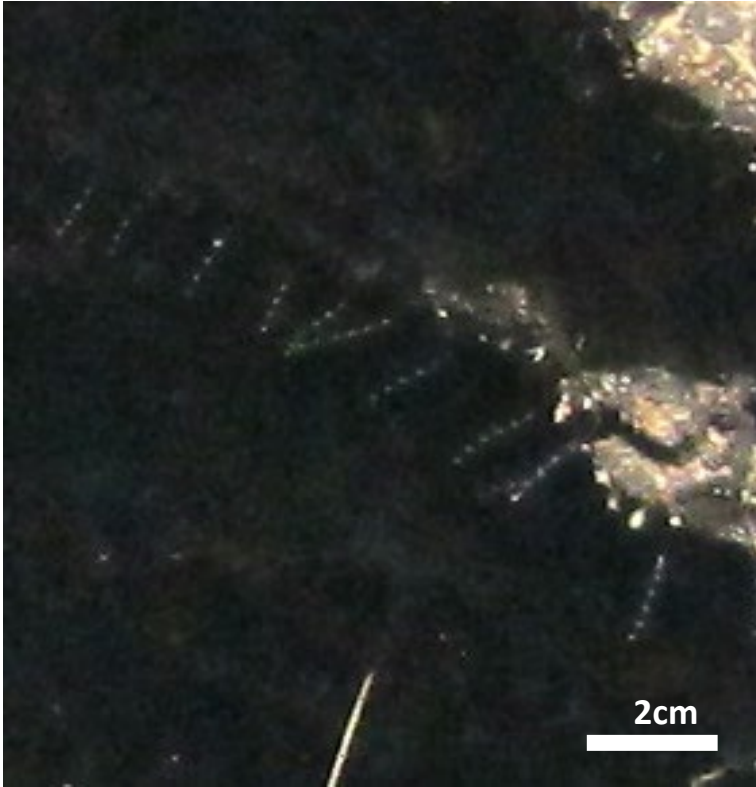


Cladorhiza sp.

Porifera (Phylum) > Demospongiae (Class) > Heteroscleromorpha (Superfamily) > Poecilosclerida (Order) > Cladorhizidae (Family) > Cladorhiza sp. (Genus)

Image information:

Dive 12 – Fogo
Depth: 3508 m



Desmospongiae

Porifera (Phylum) > Desmospongiae (Class)

Image information:

Dive 3 – Cadamosto seamount

Depth: 1630m

Note: Not included in the video analysis as it is smaller than 5cm.



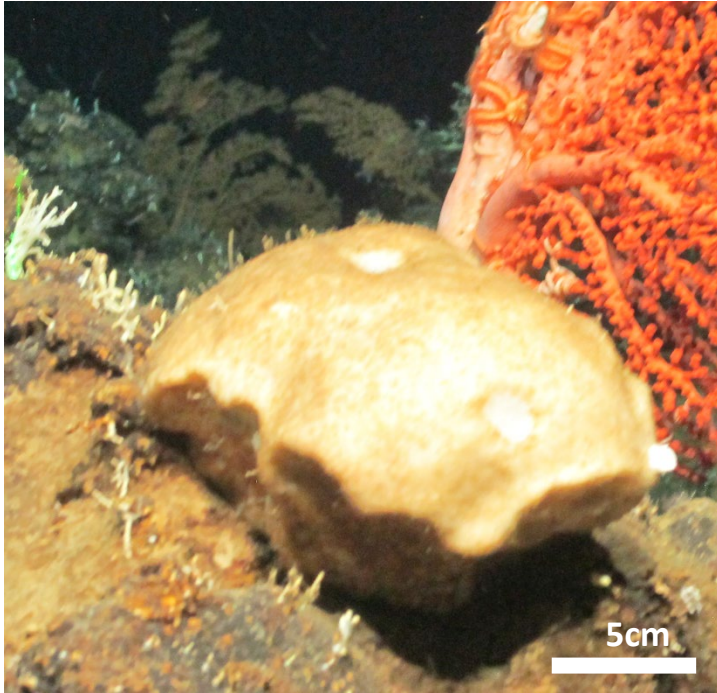
Desmospongiae (Massive/globular) 1

Porifera (Phylum) > Desmospongiae (Massive/globular) 1 (Class)

Image information:

Dive 7 - Cadamosto Seamount

Depth: 1920m



Demospongiae (Massive/globular) 2

Porifera (Phylum) > Demospongiae
(Massive/globular) 2 (Class)

Image information:

Dive 7 - Cadamosto Seamount
Depth: 1910m



Demospongiae (Massive/globular) 3

Porifera (Phylum) > Demospongiae
(Massive/globular) 3 (Class)

Image information:

Dive 7 - Cadamosto Seamount
Depth: 1925m



Demospongiae (Massive/globular) 4

Porifera (Phylum) > Demospongiae
(Massive/globular) 4 (Class)

Image information:

Dive 7 - Cadamosto Seamount
Depth: 1920m



Demospongiae (Massive/globular) 5

Porifera (Phylum) > Demospongiae (Massive/globular) 5 (Class)

Image information:

Dive 7 - Cadamosto Seamount
Depth: 1910m



Demospongiae (Massive/globular) 6

Porifera (Phylum) > Demospongiae (Massive/globular) 6 (Class)

Image information:

Dive 7 - Cadamosto Seamount
Depth: 1910m



Demospongiae (Massive/globular) 7

Porifera (Phylum) > Demospongiae (Massive/globular) 7 (Class)

Image information:

Dive 7 - Cadamosto Seamount

Depth: 1900m



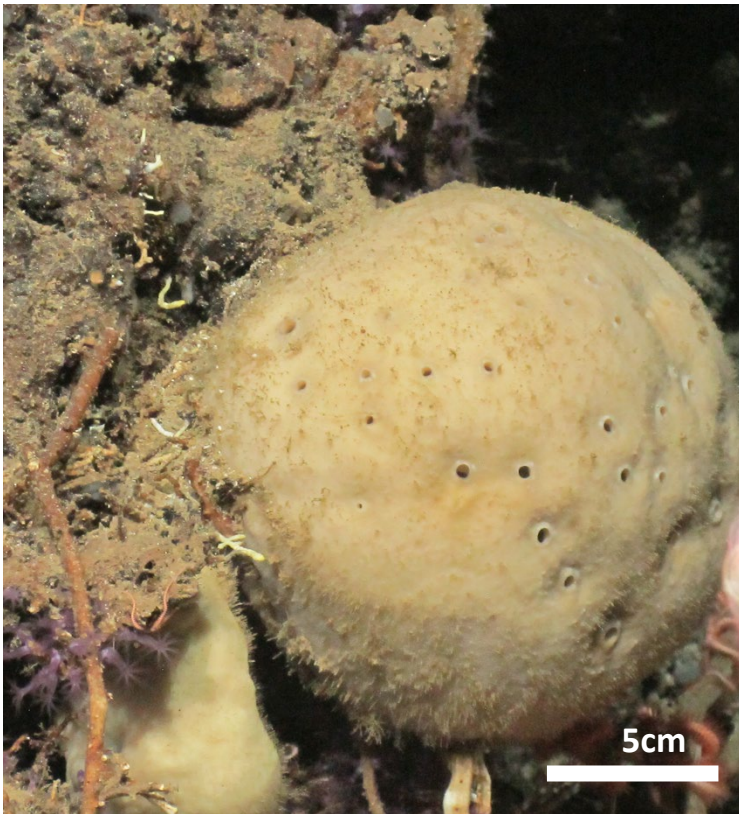
Demospongiae (Massive/globular) 8

Porifera (Phylum) > Demospongiae (Massive/globular) 8 (Class)

Image information:

Dive 7 - Cadamosto Seamount

Depth: 1900m



Demospongiae (Massive/globular) 9

Porifera (Phylum) > Demospongiae
(Massive/globular) 6 (Class)

Image information:

Dive 7 - Cadamosto Seamount

Depth: 1920m

Hexactinellida



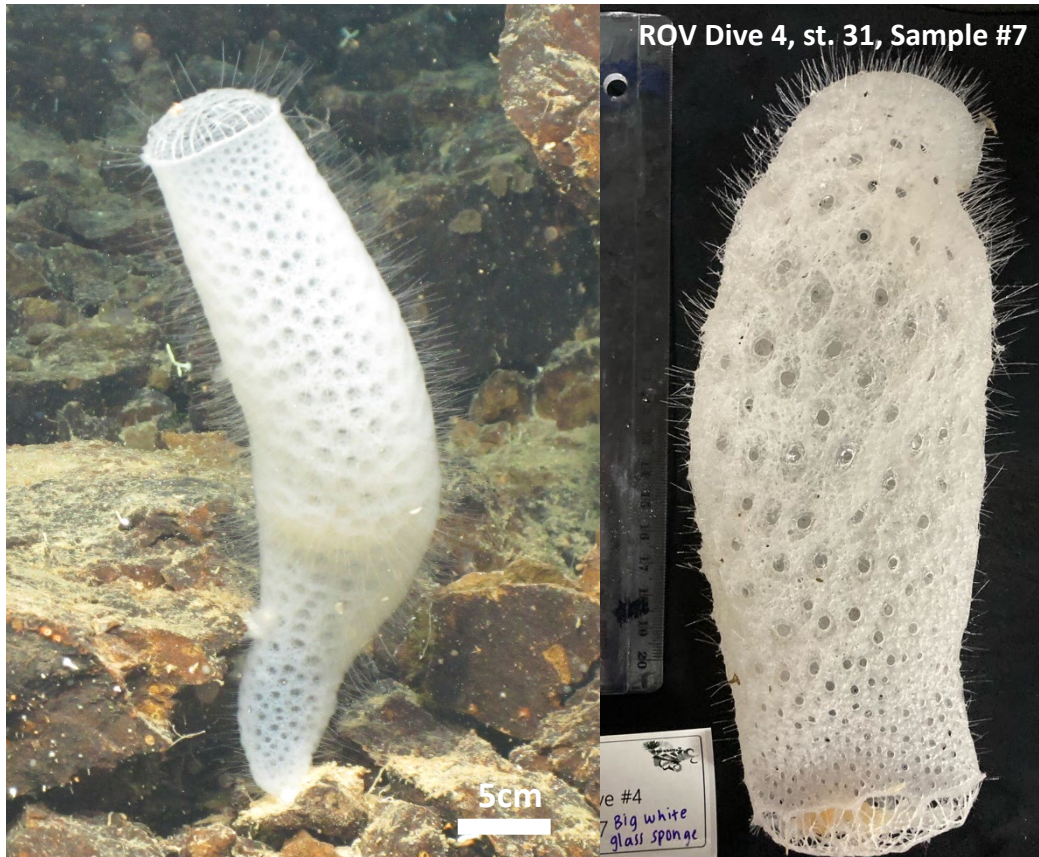
***Saccocalyx pedunculatus* ?**

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Lyssacinosida (Order) > Euplectellidae (Family) > Bolosominae (Subfamily) > Saccocalyx (Genus) > *Saccocalyx pedunculatus* (Species)

Image information:

Dive 5 - Cadamosto Seamount

Depth: 1645m



Euplectellidae spp.

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Lyssacosida (Order) > Euplectellidae spp. (Family)

Image information:

Dive 4 - Fogo
Depth: 1880m



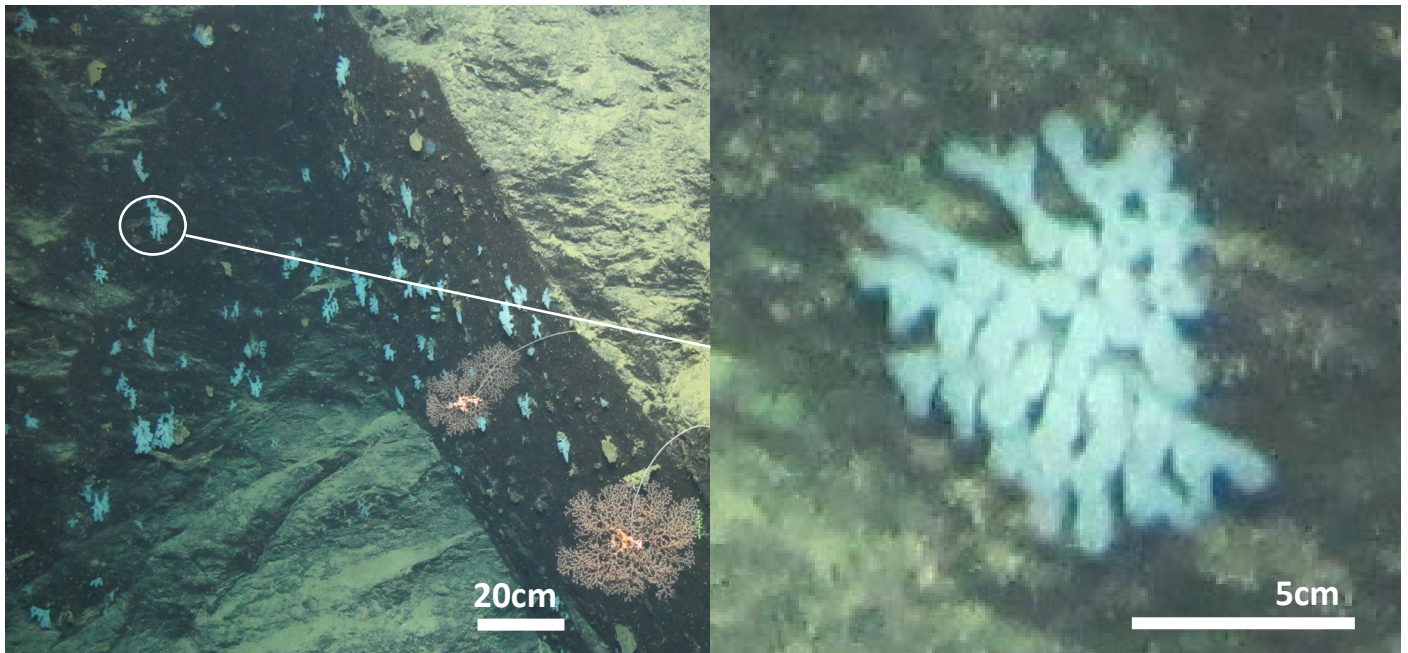
***Aphrocallistes* spp.**

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Sceptrulophora (Order) > Aphrocallistidae (Family) > *Aphrocallistes* spp. (Genus)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1820m



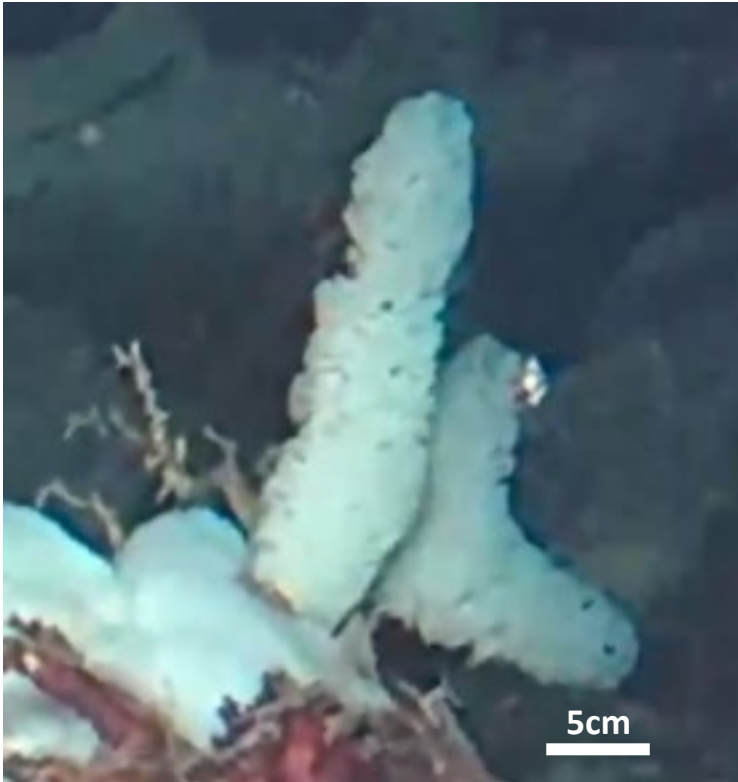
Sclerothamnopsis compressa

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Sceptrulophora (Order) > Tretodictyidae (Family) > *Sclerothamnopsis* (Genus) > *Sclerothamnopsis compressa* (Species)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1720m



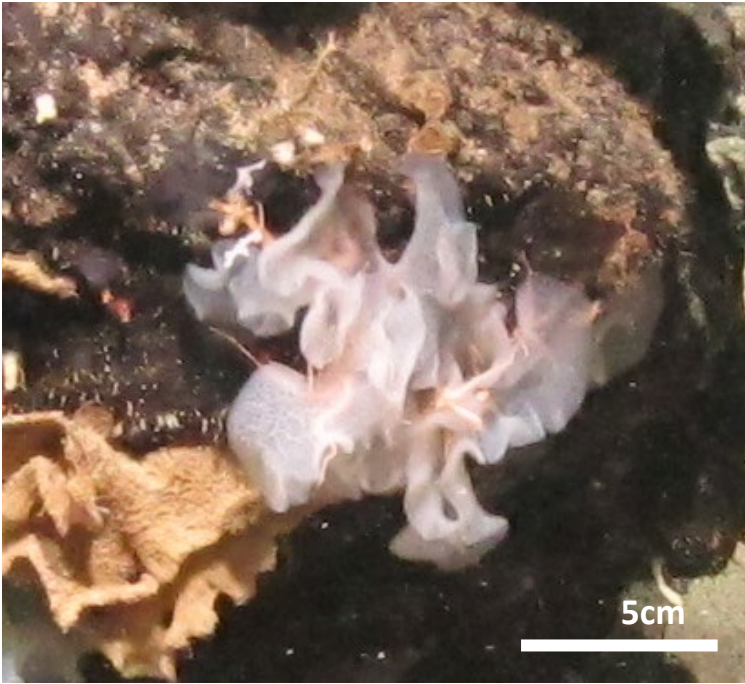
Rhabdodictyum delicatum?

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Lyssacinosida (Order) > Aulocalycidae (Family) > Aulocalycinae (Subfamily) > *Rhabdodictyum* (Genus) > *Rhabdodictyum delicatum?* (Species)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1910m

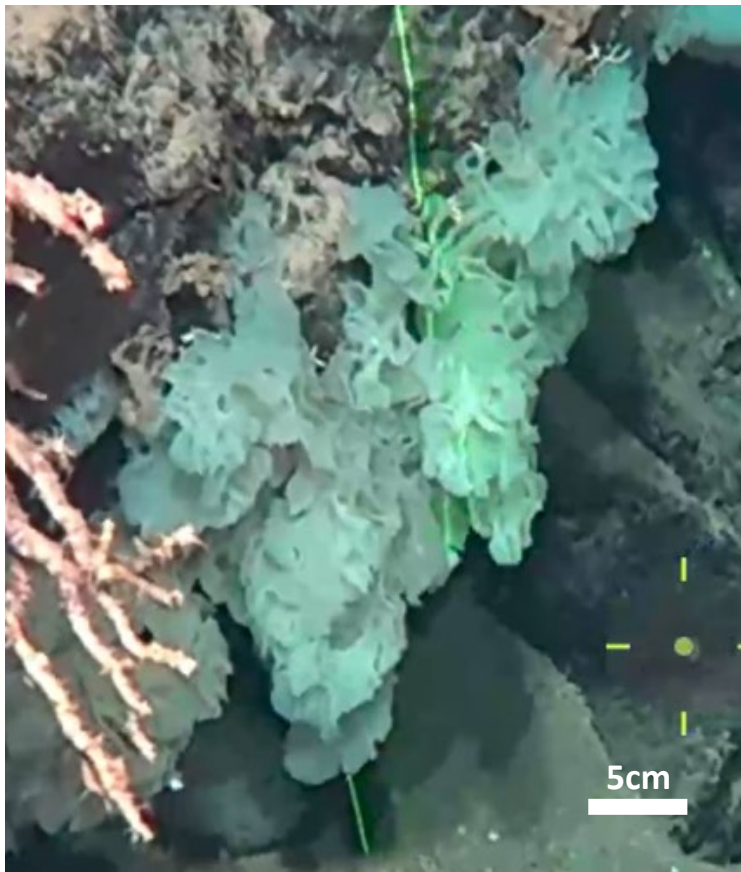


***Farrea* spp. 1**

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Sceptrulophora (Order) > Farreidae (Family) > *Farrea* spp. 1 (Genus)

Image information:

Dive 5 – Cadamosto seamount
Depth: 1920m



***Farreidae* spp. 1**

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Sceptrulophora (Order) > *Farreidae* spp. 1 (Family)

Image information:

Dive 5 – Cadamosto seamount
Depth: 1920m



Farreidae spp. 2

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Sceptrulophora (Order) > Farreidae spp. 2 (Family)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1760m



Farreidae spp. 3

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Sceptrulophora (Order) > Farreidae spp. 3 (Family)

Image information:

Dive 10 – Brava

Depth: 1890m



Farreidae spp. (stalked) 1

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass)
> Sceptrulophora (Order) > Farreidae spp. (stalked) 1 (Family)

Image information:

Dive 10 – Brava

Depth: 1810m



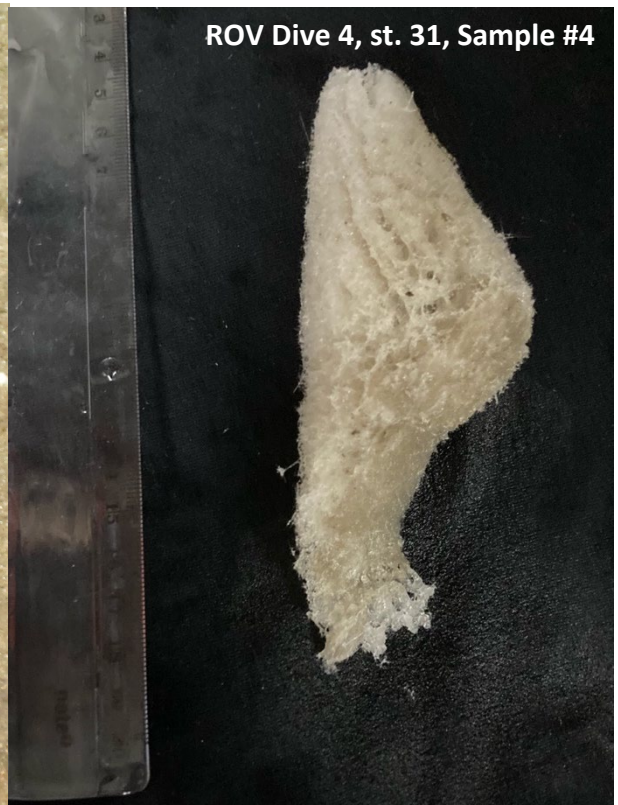
Farreidae spp. (stalked) 2

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Sceptrulophora (Order) >
Farreidae spp. (stalked) 2 (Family)

Image information:

Dive 10 – Brava

Depth: 1810m



Auloplacidae spp. 1

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Sceptrulophora (Order) > Auloplacidae spp. 1 (Family)

Image information:

Dive 4 - Fogo
Depth: 1890m



Auloplacidae spp. 2

Porifera (Phylum) > Hexactinellida (Class) > Hexasterophora (Subclass) > Sceptrulophora (Order) > Auloplacidae spp. 2 (Family)

Image information:

Dive 4 - Fogo
Depth: 1950m



Euretidae spp. 1

Porifera (Phylum) > Hexactinellida (Class) >
Hexasterophora (Subclass) > Sceptrulophora
(Order) > Euretidae spp. 1 (Family)

Image information:

Dive 6 – Cadamosto seamount
Depth: 1890m

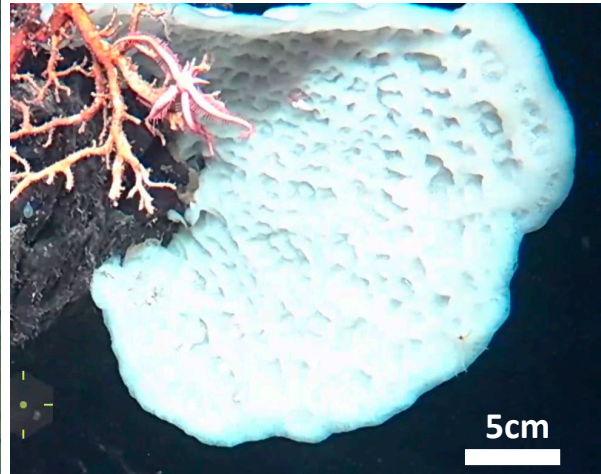


Euretidae spp. 2

Porifera (Phylum) > Hexactinellida (Class) >
Hexasterophora (Subclass) > Sceptrulophora
(Order) > Euretidae spp. 2 (Family)

Image information:

Dive 5 – Cadamosto seamount
Depth: 1920m



Pheronematidae sp.

Porifera (Phylum) > Hexactinellida (Fan-shaped) (Class) > Amphidiscophora (Subclass) > Amphidiscosida (Order) > Pheronematidae sp. (Family)

Image information:

Dive 9 – Cadamosto seamount

Depth: 1515m



Hyalonematidae sp.

Porifera (Phylum) > Hexactinellida (Class) > Amphidiscophora (Subclass) > Amphidiscosida (Order) > Hyalonematidae sp. (Family)

Image information:

Dive 11 – Cadamosto / Brava

Depth: 3431 m



Hexactinellida (cup-shaped) 1

Porifera (Phylum) > Hexactinellida (cup-shaped) 1
(Class)

Image information:

Dive 5 – Cadamosto seamount
Depth: 1920m



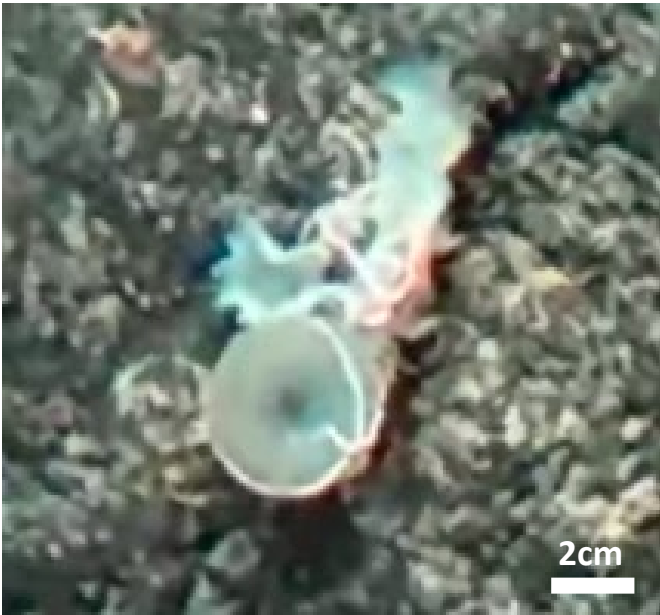
Hexactinellida (cup-shaped) 2

Porifera (Phylum) > Hexactinellida (cup-shaped) 2
(Class)

Image information:

Dive 7 – Cadamosto seamount
Depth: 2010m

Porifera indet.



Porifera 1

Porifera 1 (Phylum)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1780m



Porifera 2

Porifera 2 (Phylum)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1755m



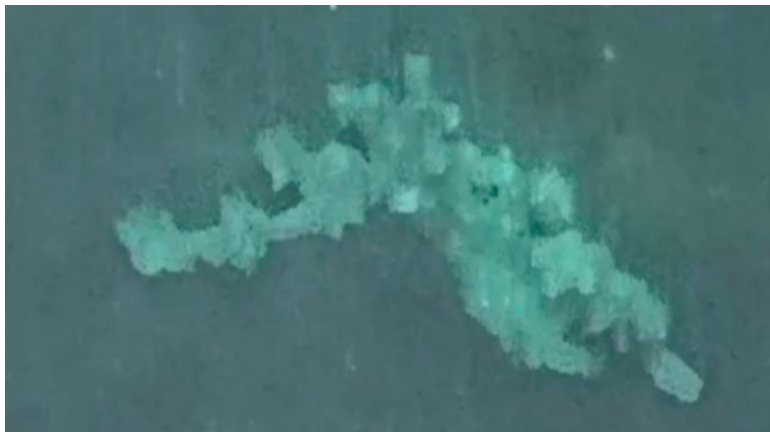
Porifera 3

Porifera 3 (Phylum)

Image information:

Dive 6 – Cadamosto seamount

Depth: 1910m



Porifera (branching) 1

Porifera (branching) 1 (Phylum)

Image information:

Dive 5 – Cadamosto seamount

Depth: 2000m





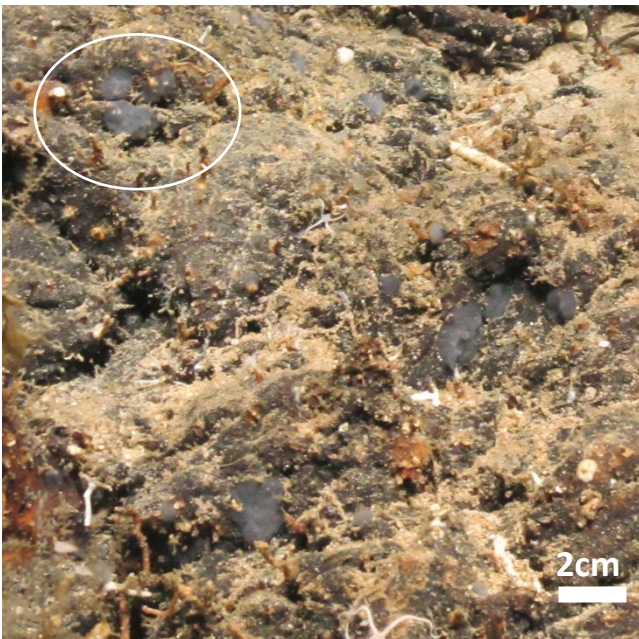
Porifera (encrusting) 1

Porifera (encrusting) 1 (Phylum)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1900m



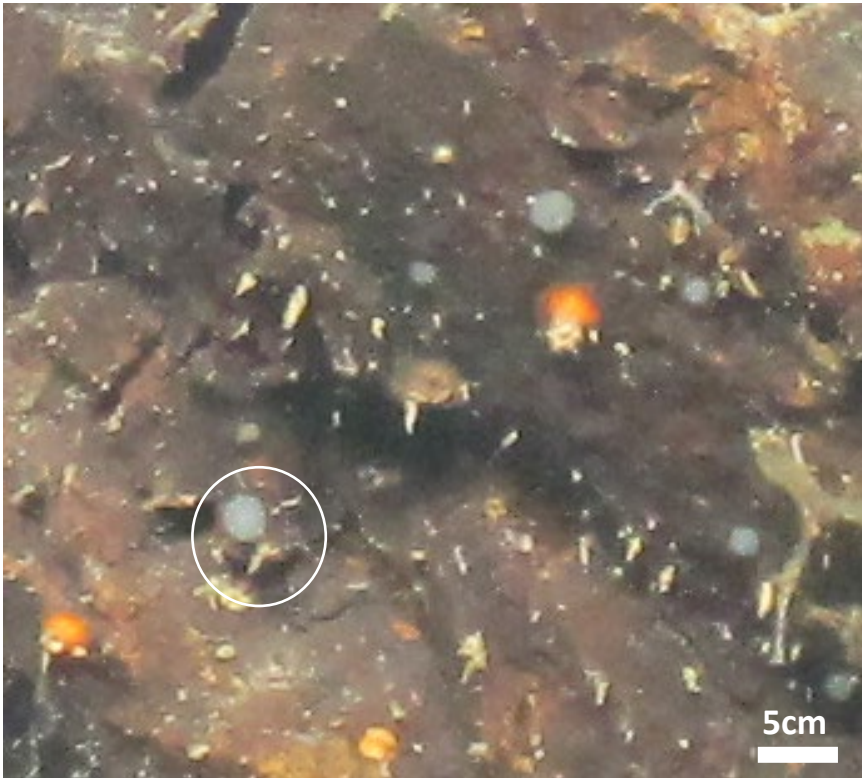
Porifera (encrusting) 2

Porifera (encrusting) 2 (Phylum)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1925m



Porifera (encrusting) 3

Porifera (encrusting) 3 (Phylum)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1765m



Porifera (encrusting) 4

Porifera (encrusting) 4 (Phylum)

Ctenophora

Tentaculata



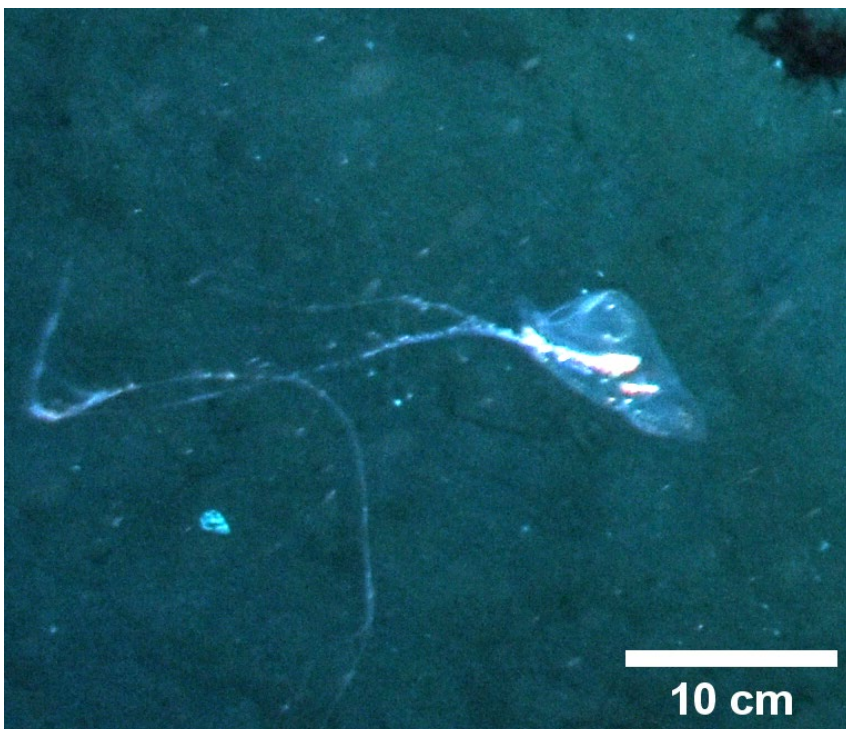
Cydippida 1

Ctenophora (Phylum) >Tentaculata (Class) > Cydippida 1 (Order)

Image information:

Dive 12 – Fogo

Depth: 3508 m



Cydippida 2 ?

Ctenophora (Phylum) >Tentaculata (Class) > Cydippida 2 ? (Order)

Image information:

Dive 12 – Fogo

Depth: 3504 m

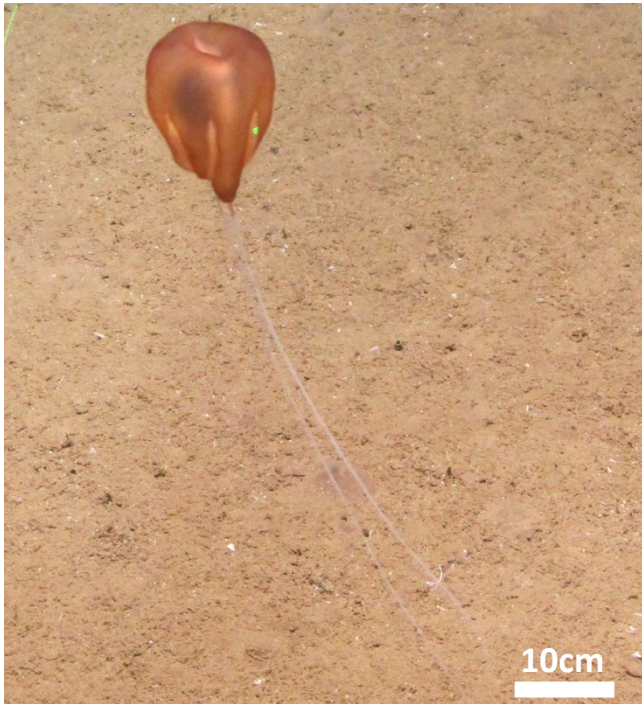


Bathocyroidae sp.

Ctenophora (Phylum) > Tentaculata (Class)
Lobata (Order) > Bathocyroidae sp. (Family)

Dive 1 – Fogo
Depth: 2060m

Ctenophora indet.



Ctenophora 1

Ctenophora 1 (Phylum)

Dive 1 – Fogo

Depth: 1950m



Ctenophora 2

Ctenophora 2 (Phylum)

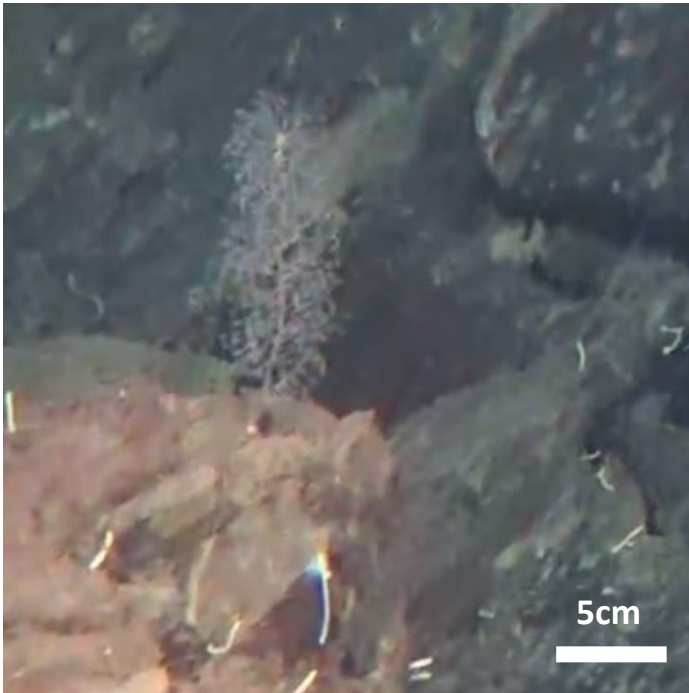
Image information:

Dive 12 – Fogo

Depth: 3508 m

Cnidaria

Octocorallia

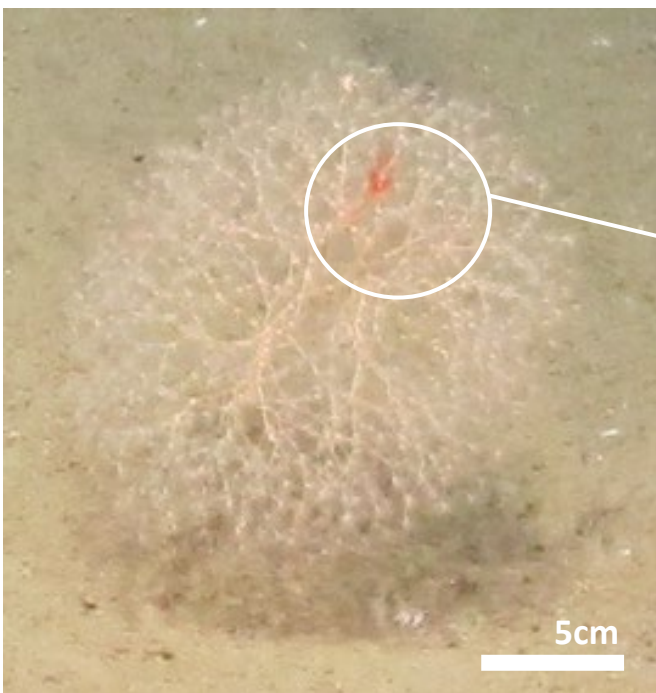


***Chrysogorgia* spp. 1**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order)
Calcaxonia (Suborder) > Chrysogorgiidae (Family) > *Chrysogorgia* spp. 1 (Genus)

Image information:

Dive 7 - Cadamosto Seamount
Depth: 1855m



***Chrysogorgia* spp. 2**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order)
Calcaxonia (Suborder) > Chrysogorgiidae (Family) > *Chrysogorgia* spp. 2 (Genus)

Image information:

Dive 1 – Fogo Island
Depth: 1995m

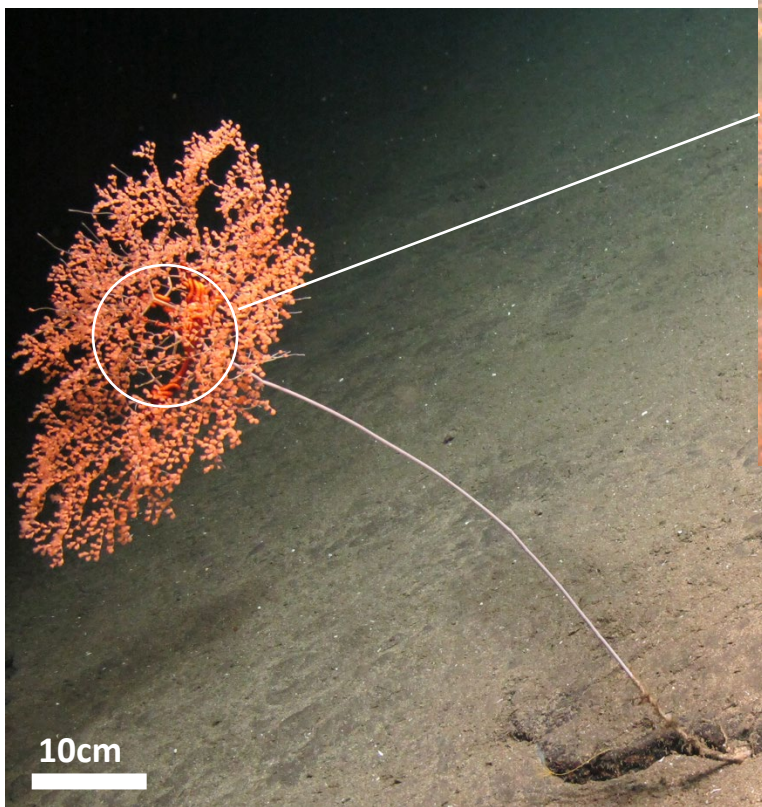


***Metallogorgia* spp. (Juvenile)**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Chrysogorgiidae (Family) > *Metallogorgia* spp. (Juvenile) (Genus)

Image information:

Dive 7 – Cadamosto Seamount
Depth: 1870m



***Metallogorgia* spp.**

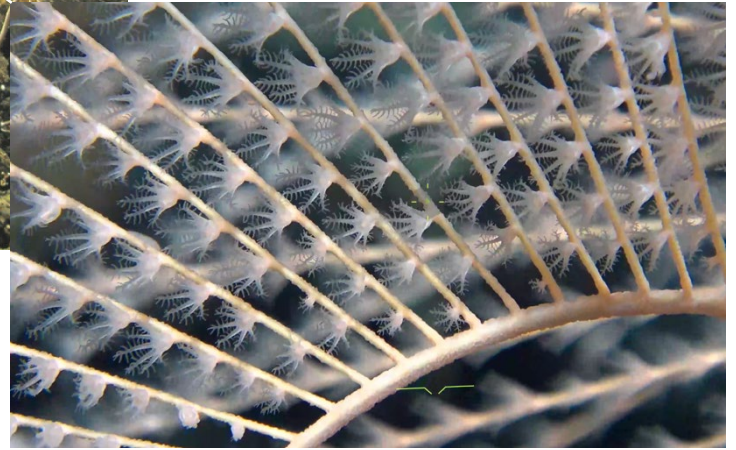
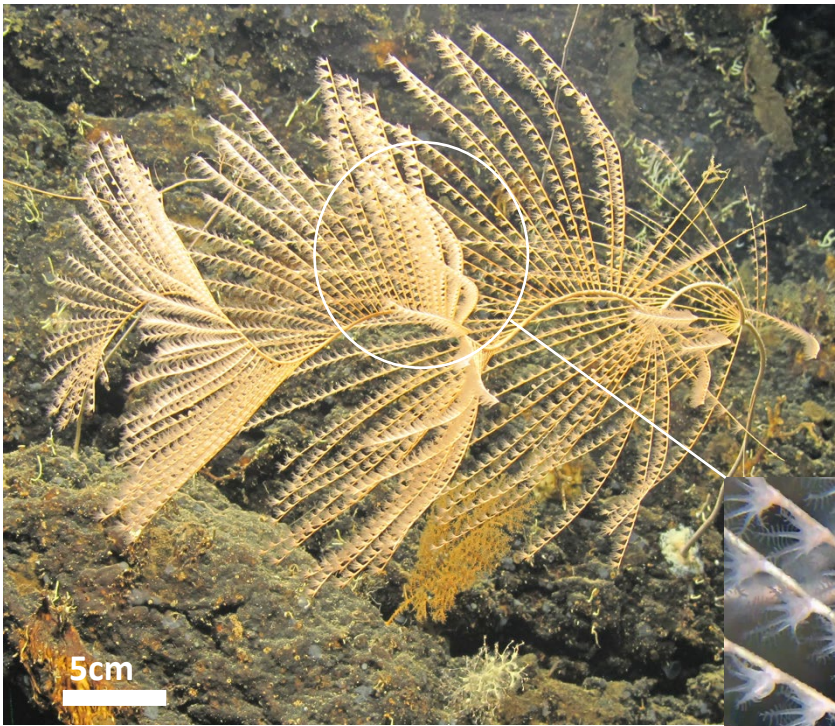


ROV Dive 9, st. 75, Sample #6

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Chrysogorgiidae (Family) > *Metallogorgia* spp. (Genus)

Image information:

Dive 9 – Cadamosto Seamount
Depth: 1520m



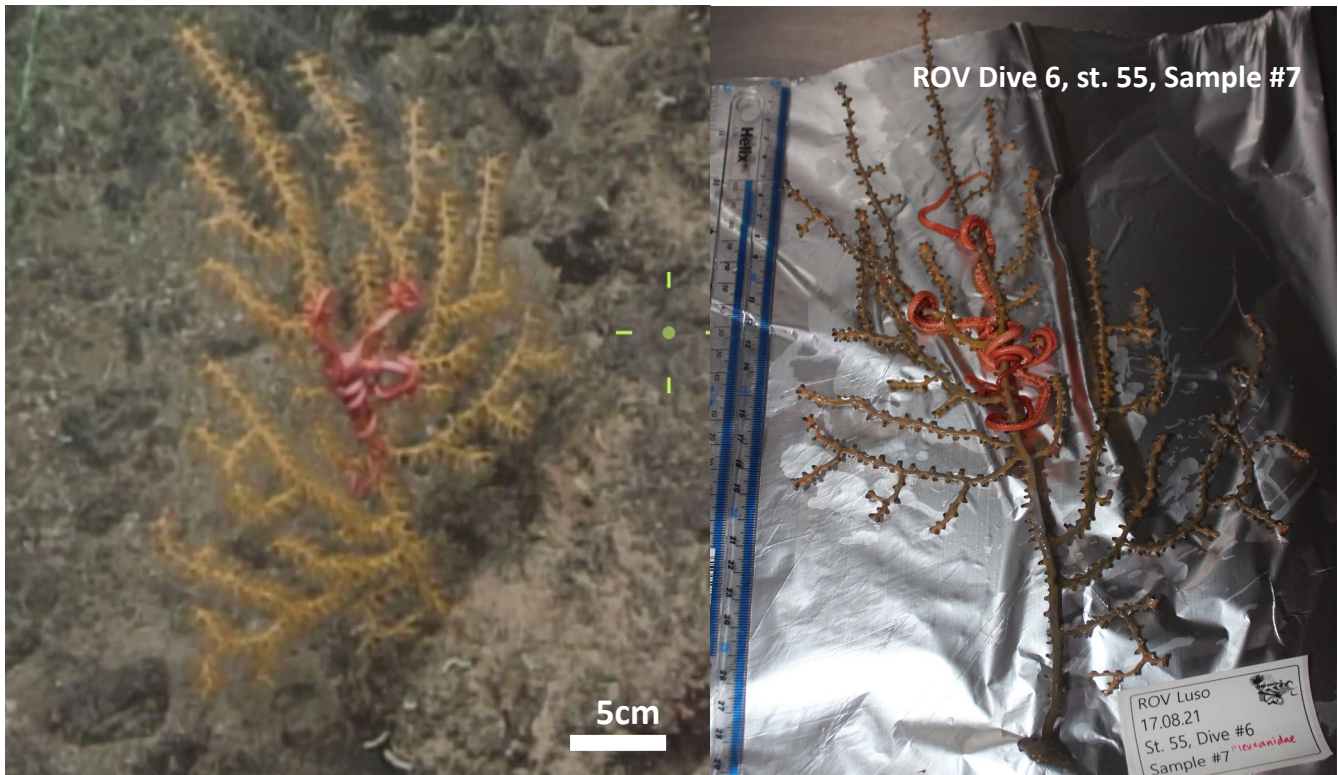
***Iridogorgia* sp.**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Chrysogorgiidae (Family) > *Iridogorgia* sp. (Genus)

Image information:

Dive 7 – Cadamosto Seamount

Depth: 1910m



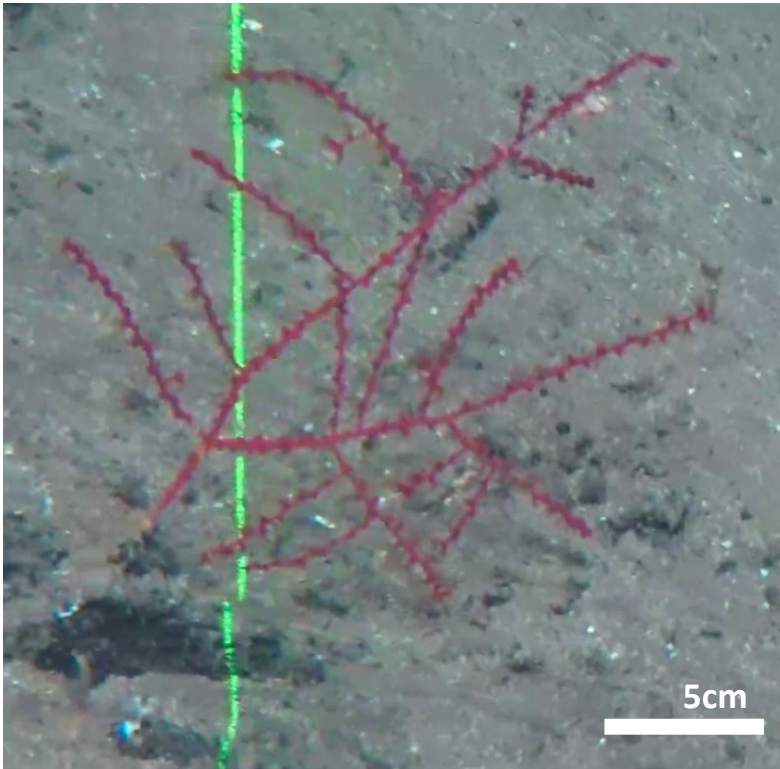
Paramuricea biscaya?

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Holaxonia (Suborder) > Plexauridae (Family) > *Paramuricea* (Genus) > *Paramuricea biscaya ?* (Species)

Image information:

Dive 6 – Cadamosto Seamount

Depth: 1890m



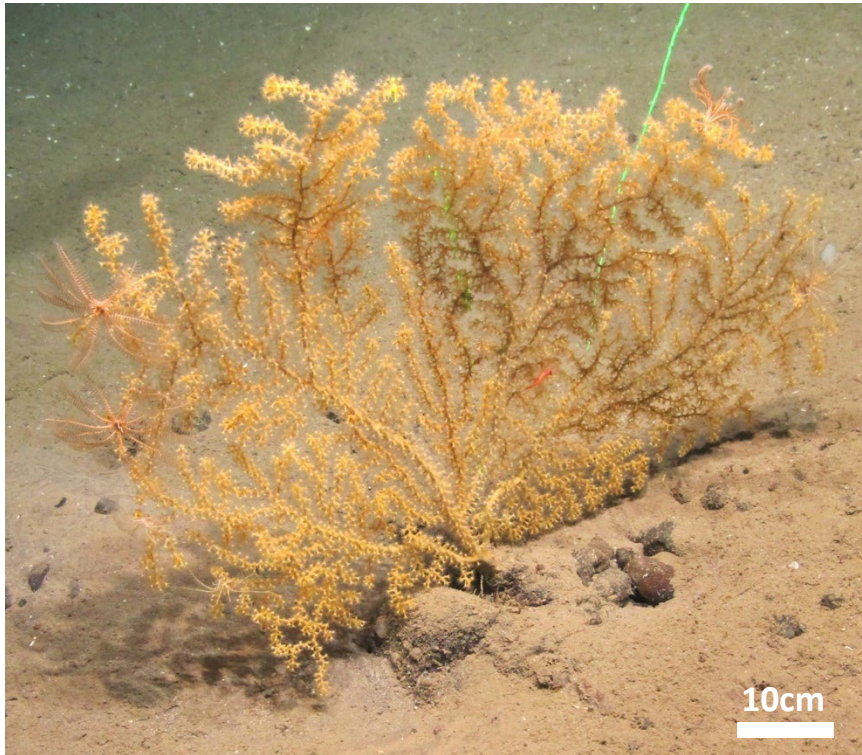
***Swiftia* sp.**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Holaxonia (Suborder)
> Plexauridae (Family) > *Swiftia* sp. (Genus)

Image information:

Dive 9 – Cadamosto Seamount

Depth: 1510m



***Acanthogorgia* spp.**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Holaxonia (Suborder)
> Acanthogorgiidae (Family) > *Acanthogorgia* spp. (Genus)

Image information:

Dive 1 – Fogo
Depth: 1885m

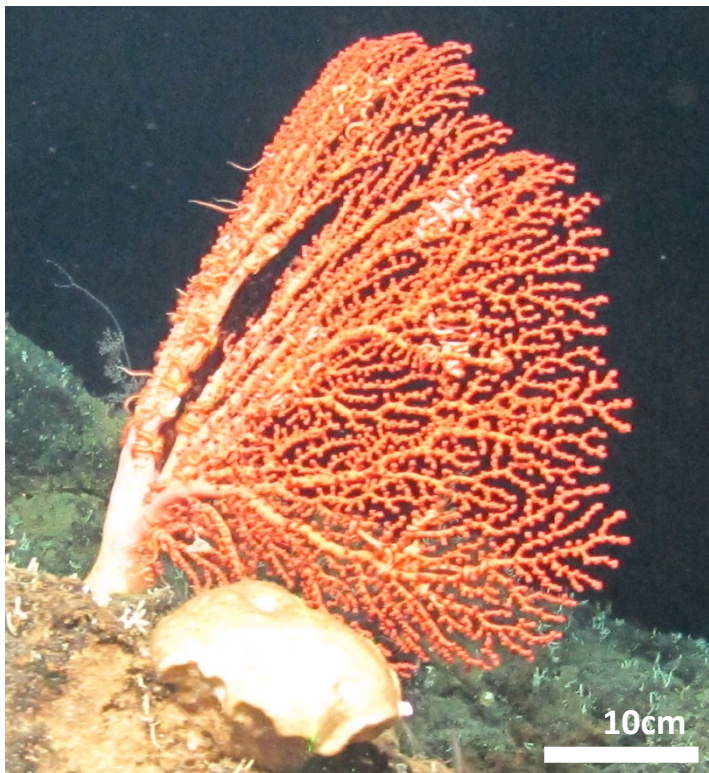


***Paragorgia* spp. 1**

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Alcyonacea
(Order) > Scleraxonia (Suborder)
> Paragorgiidae (Family) > *Paragorgia* spp.
1 (Genus)

Image information:

Dive 6 – Cadamosto seamount
Depth: 1890m

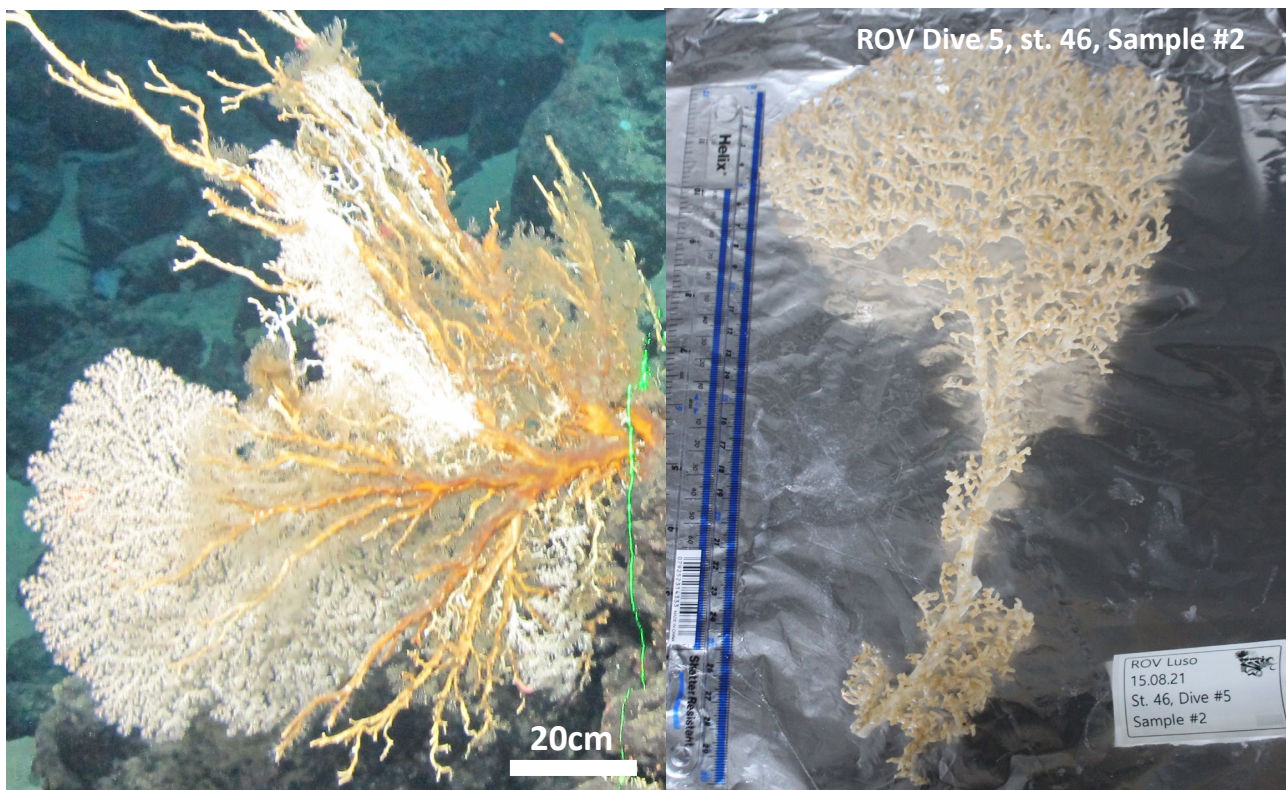


***Paragorgia* spp. 2**

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Alcyonacea (Order) >
Scleraxonia (Suborder) > Paragorgiidae (Family) >
Paragorgia spp. 2 (Genus)

Image information:

Dive 7 – Cadamosto seamount
Depth: 1910m



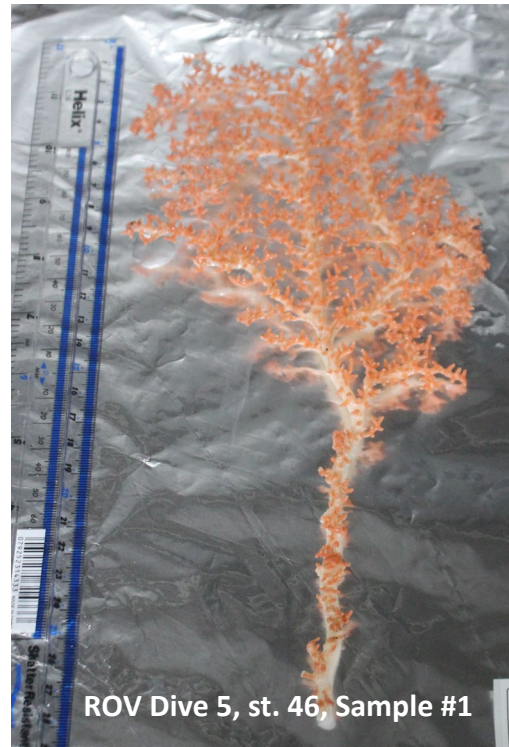
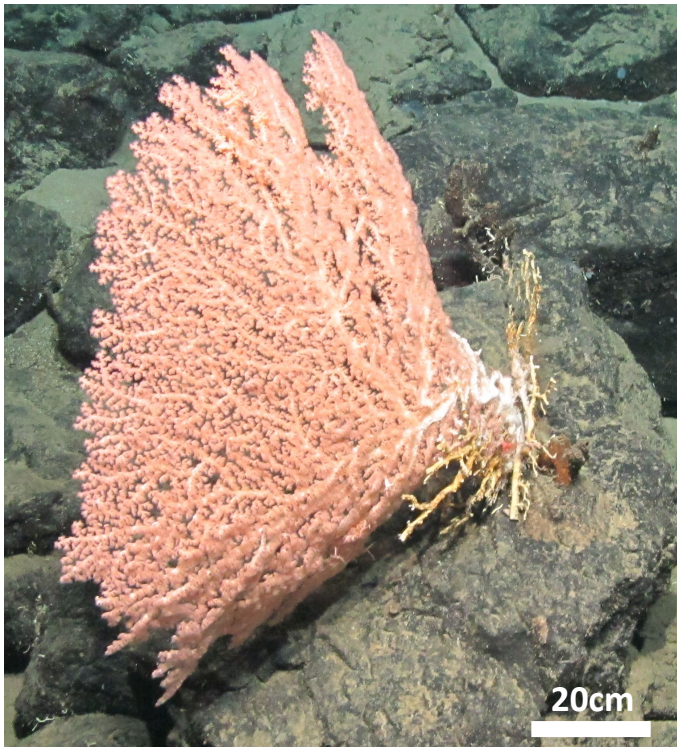
cf. *Hemicorallium niobe*

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Scleraxonia (Suborder) > Coralliidae (Family) > *Hemicorallium* (Genus) > cf. *Hemicorallium niobe* (Species)

Image information:

Dive 5 – Cadamosto seamount

Depth: 2000m



cf. Hemicorallium tricolor

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Scleraxonia (Suborder) > Coralliidae (Family) > *Hemicorallium* (Genus) > *cf. Hemicorallium tricolor* (Species)

Image information:

Dive 5 – Cadamosto seamount

Depth: 2000m



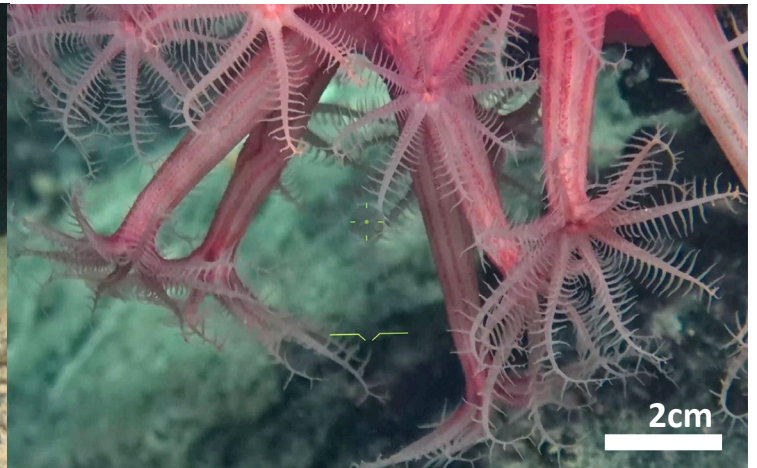
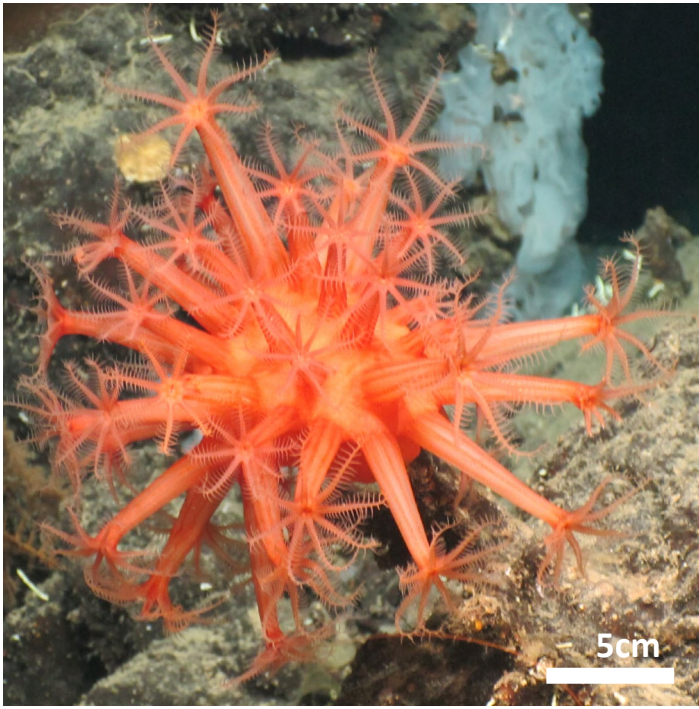
Anthothela grandiflora

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Stolonifera (Suborder) > Anthothelidae (Family) > *Anthothela* (Genus) > *Anthothela grandiflora* (Species)

Image information:

Dive 7 – Cadamosto

Depth: 2010m



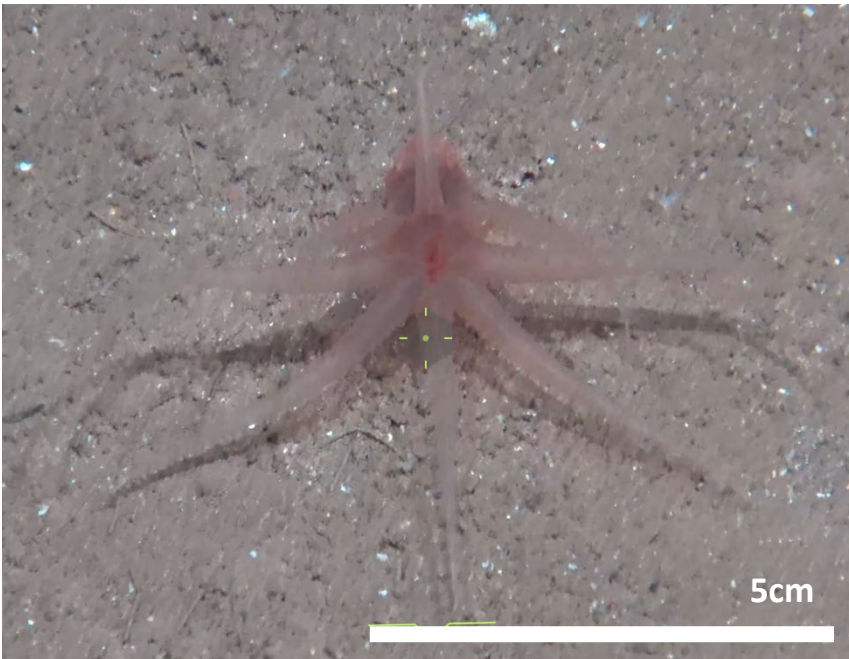
***Anthomastus* spp.**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Alcyoniina (Suborder) > Alcyoniidae (Family) > *Anthomastus* spp. (Genus)

Images information:

Dive 5 – Cadamosto Seamount

Depth: 1875m



Alcyoniidae sp. 1

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Alcyoniina (Suborder) > Alcyoniidae (Family)

Image information:

Dive 10 – Brava
Depth: 1945m

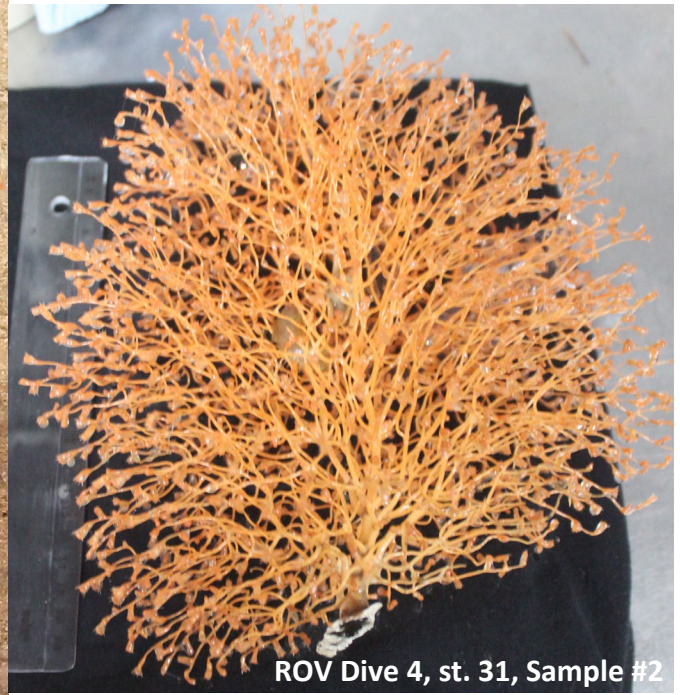


Alcyoniidae sp. 2

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Alcyoniina (Suborder) > Alcyoniidae (Family)

Image information:

Dive 10 – Brava
Depth: 1720m

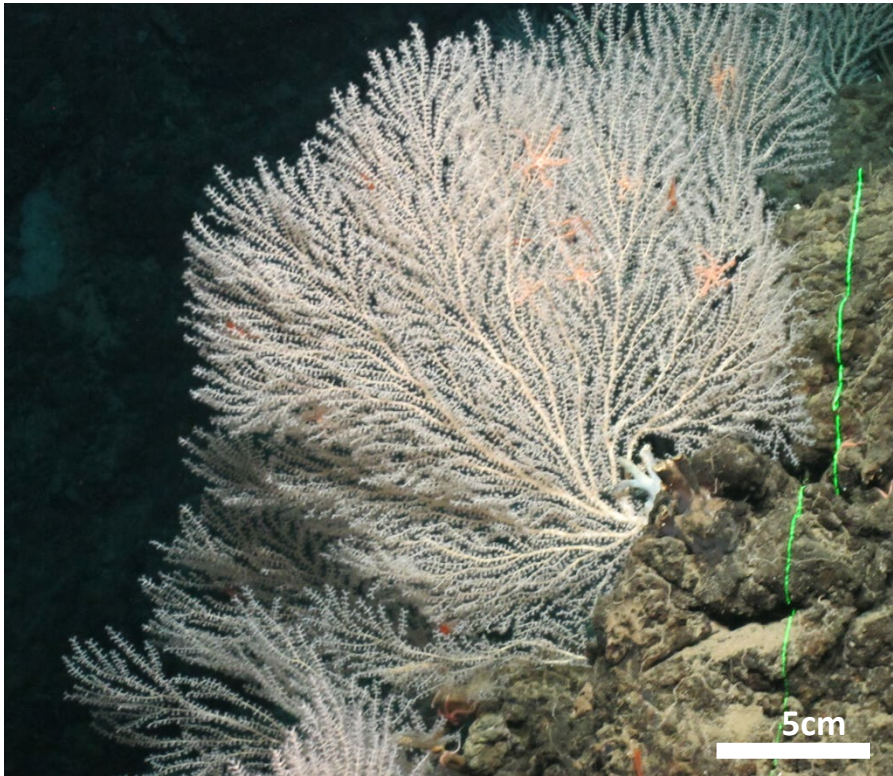


Acanella arbuscula

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Keratoisididae (Family) > *Acanella* (Genus) > *Acanella arbuscula* (Species)

Image information:

Dive 4 – Fogo
Depth: 1950m



Primnoidae sp. 1 (Fan-shaped)

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Primnoidae sp. 1 (Family)

Image information:

Dive 5 – Cadamosto seamount
Depth: 1640m

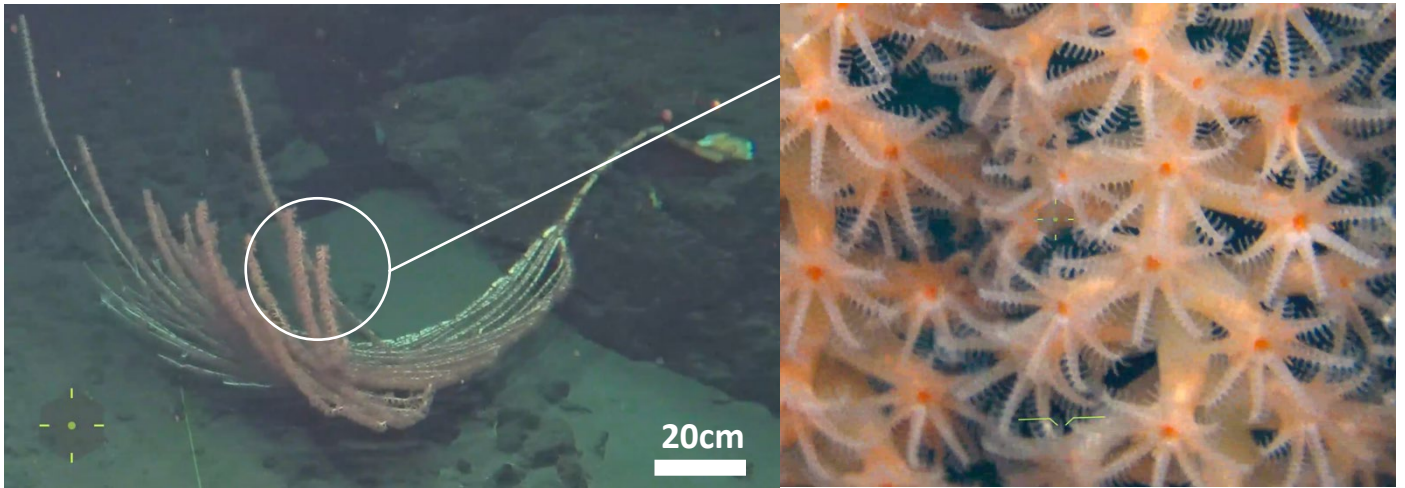


Primnoidae sp. 2 (Fan-shaped)

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Primnoidae sp. 2 (Family)

Image information:

Dive 5 – Cadamosto seamount
Depth: 1640m



***Isidella* spp.**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Keratoisididae (Family) > Keratoisidinae (Sub-family) > *Isidella* spp. (Genus)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1980m



Lepidisis caryophyllia

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Keratoisididae (Family) > Keratoisidinae (Sub-family) > *Lepidisis* (Genus) > *Lepidisis caryophyllia* (Species)

Image information:

Dive 3 – Cadamosto seamount
Depth: 2020m



Keratoisid spp. 1

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Keratoisididae (Family) > Keratoisidinae (Sub-family) > *Keratoisid spp. 1* (Genus)

Image information:

Dive 7 – Cadamosto seamount
Depth: 1910m



***Keratoisis* spp. 2**

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Alcyonacea (Order) >
Calcaxonia (Suborder) > Keratoisididae
(Family) > Keratoisidinae (Sub-family) >
Keratoisis spp. 2 (Genus)

Image information:

Dive 7 – Cadamosto seamount
Depth: 1900m



***Keratoisis* spp. 3**

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Alcyonacea (Order) >
Calcaxonia (Suborder) > Keratoisididae
(Family) > Keratoisidinae (Sub-family) >
Keratoisis spp. 3 (Genus)

Image information:

Dive 7 – Cadamosto seamount
Depth: 2000m



***Keratoisis* spp. 4**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Keratoisididae (Family) > Keratoisidinae (Sub-family) > *Keratoisis* spp. 4 (Genus)

Image information:

Dive 10 – Brava
Depth: 1785m



***Keratoisis* spp. 5**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Keratoisididae (Family) > Keratoisidinae (Sub-family) > *Keratoisis* spp. 5 (Genus)

Image information:

Dive 7 – Cadamosto seamount
Depth: 1920m



Isididae spp. 1

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Isididae spp. 1 (Family)

Image information:

Dive 7 – Cadamosto seamount
Depth: 1790m

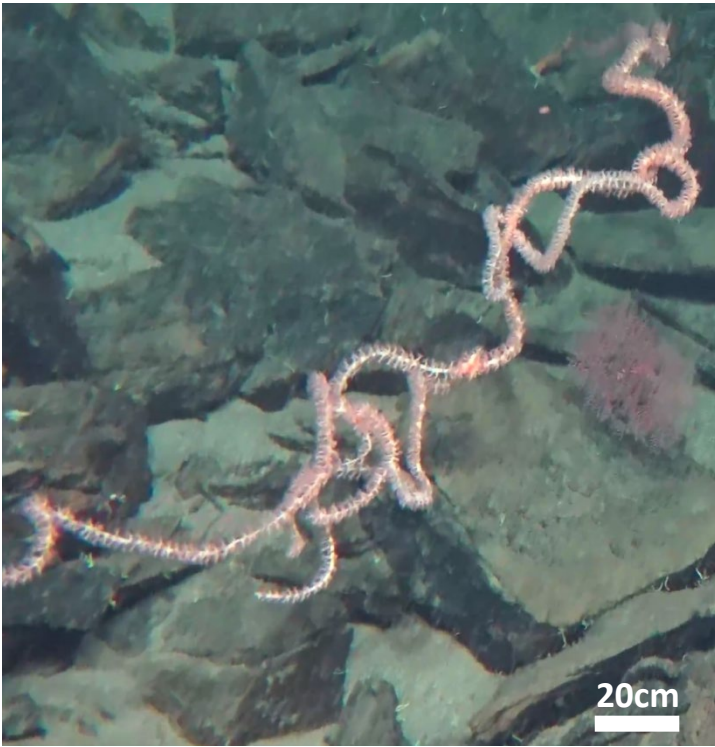


Isididae spp. 2

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Isididae spp. 2 (Family)

Image information:

Dive 7 – Cadamosto seamount
Depth: 1790m



Isididae spp. (whip) 1

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Alcyonacea (Order) >
Calcaxonia (Suborder) > Isididae spp. (whip) 1
(Family)

Image information:

Dive 7 – Cadamosto seamount
Depth: 1770m



Isididae spp. (whip) 2

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Alcyonacea (Order) >
Calcaxonia (Suborder) > Isididae spp. (whip) 2
(Family)

Image information:

Dive 7 – Cadamosto seamount
Depth: 1795m



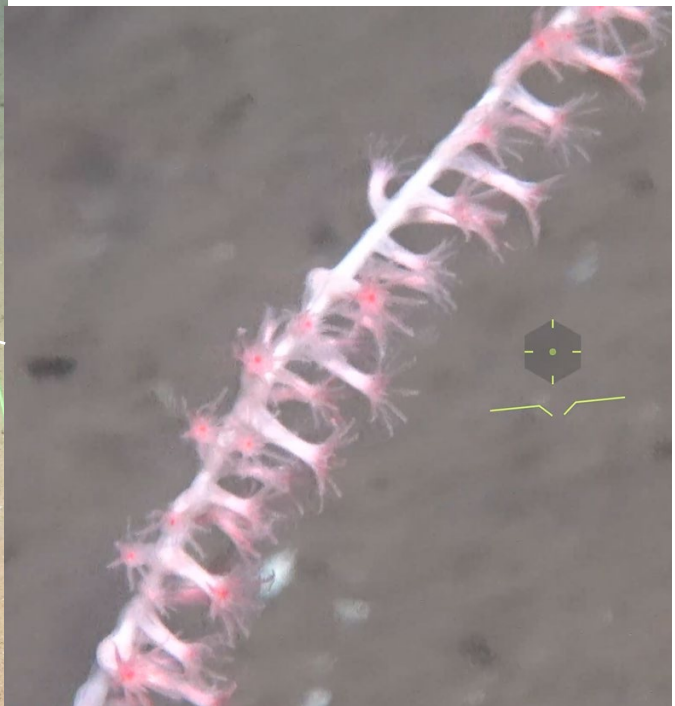
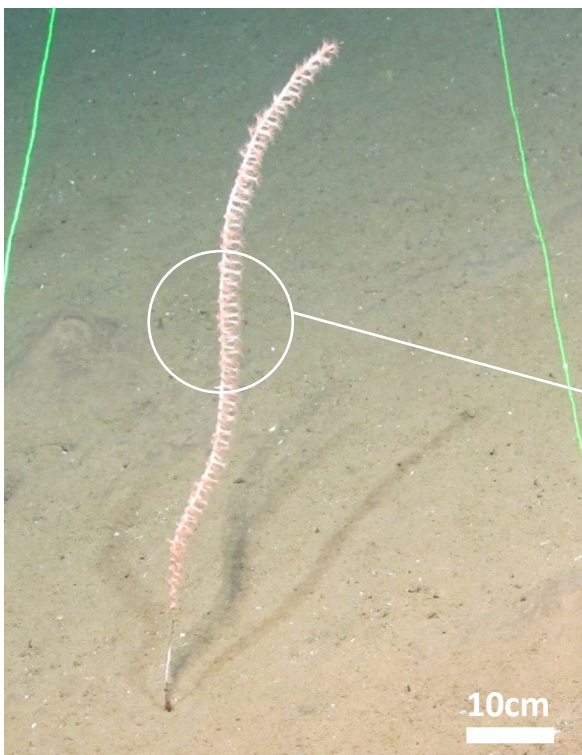
Isididae spp. (whip) 3

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Isididae spp. (whip) 3 (Family)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1825m



Isididae spp. (whip) 4

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonia (Suborder) > Isididae spp. (whip) 4 (Family)

Image information:

Dive 1 – Fogo

Depth: 1795m



Taiaroidae sp.

Cnidaria (Phylum) > Anthozoa (Class) Octocorallia (Subclass) > Alcyonacea (Order) > Protoalcyonaria (Suborder) > Taiaroidae sp. (Family)

Image information:

Dive 11 – Cadamosto / Brava

Depth: 3432 m

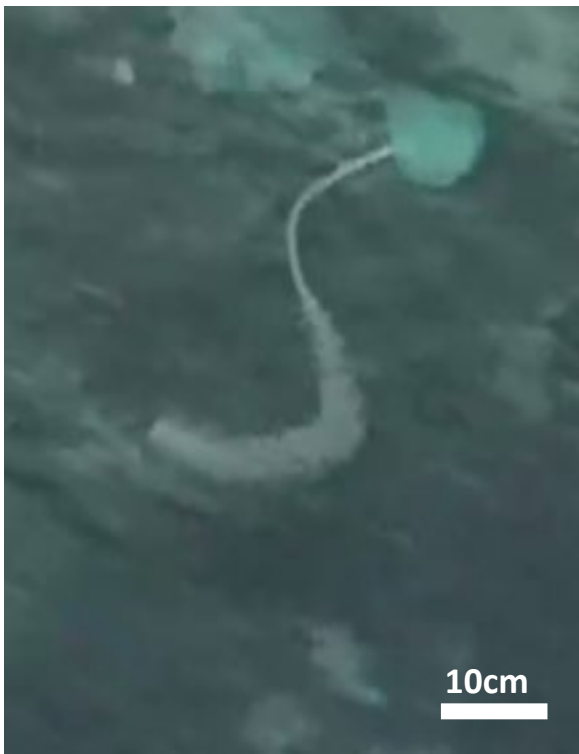


Calcaxonina

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea (Order) > Calcaxonina (Suborder)

Image information:

Dive 6 – Cadamosto seamount
Depth: 1835m



Alcyonacea 1

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea 1 (Order)

Image information:

Dive 5 – Cadamosto seamount
Depth: 1835m



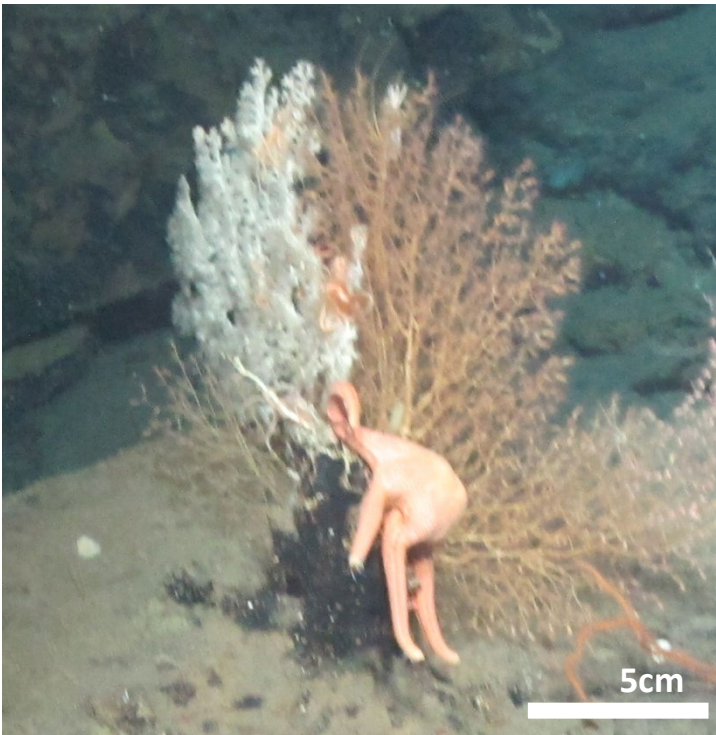
Alcyonacea 2

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea 2 (Order)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1995m



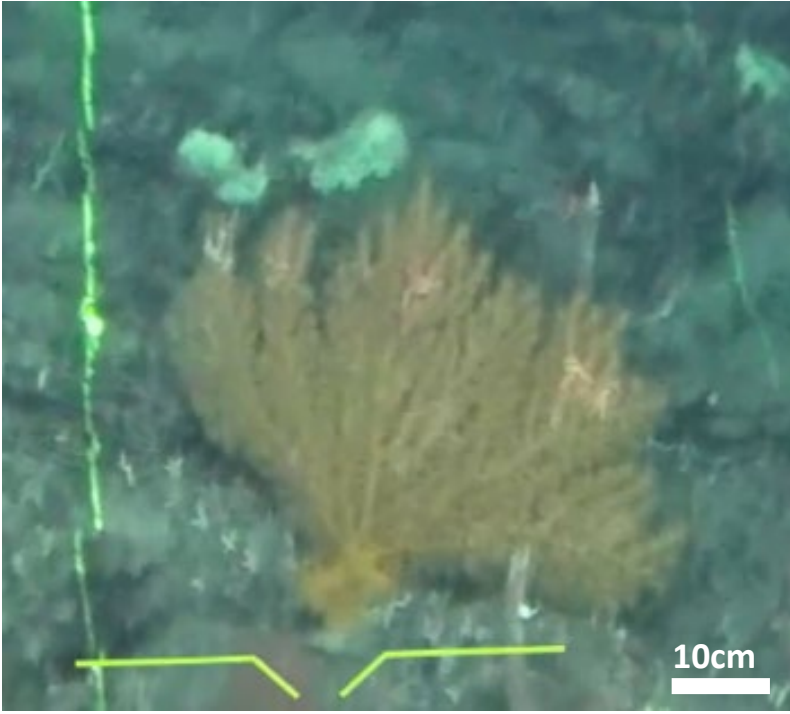
Alcyonacea 3

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea 3 (Order)

Image information:

Dive 4 – Fogo

Depth: 1870m



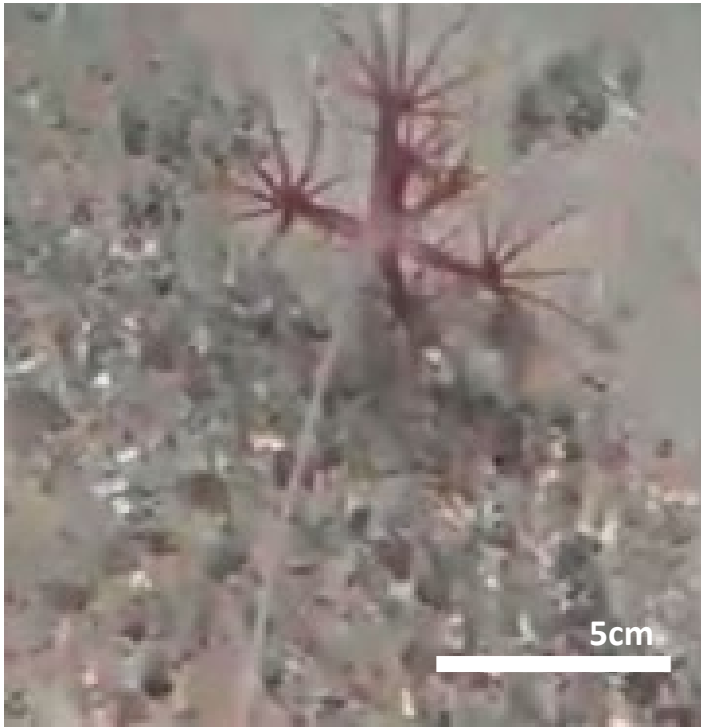
Alcyonacea 4

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Alcyonacea 4 (Order)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1905m

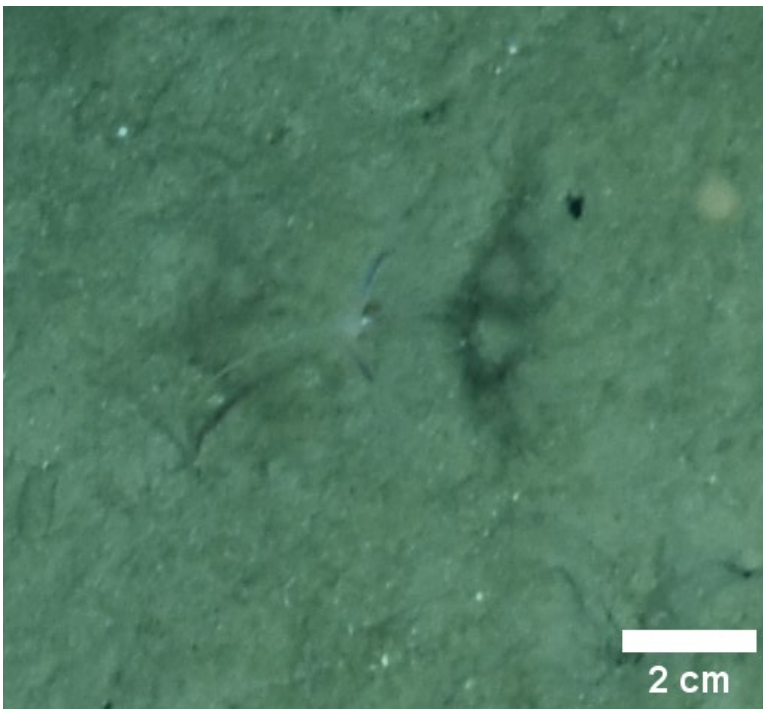


***Umbellula* sp. 1**

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Pennatulacea (Order) >
Sessiliflorae (Suborder) > Umbellulidae (Family)
> *Umbellula* sp. 1 (Genus)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1710m



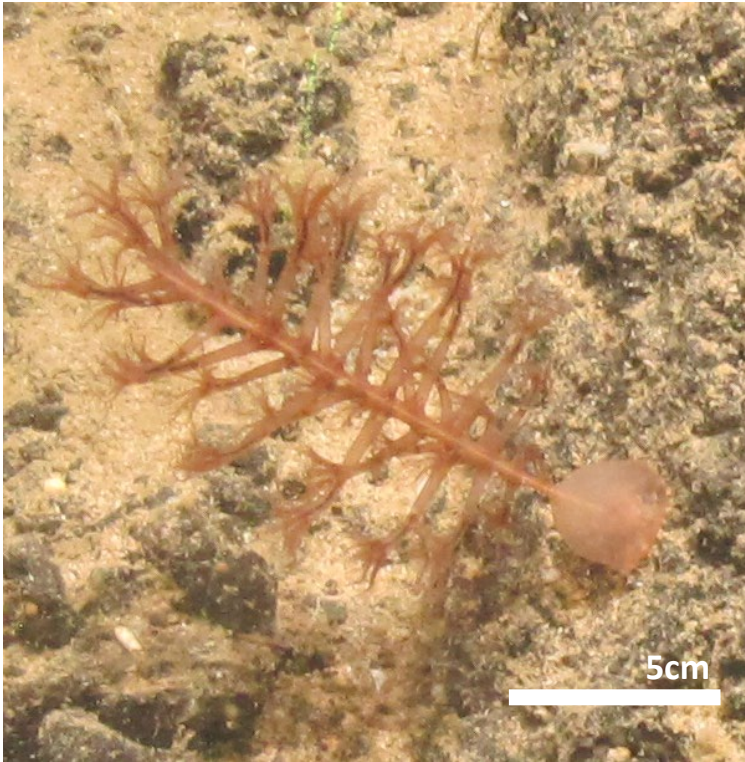
***Umbellula* sp. 2**

(3 polyps)

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Pennatulacea (Order)
> Sessiliflorae (Suborder) > Umbellulidae
(Family) > *Umbellula* sp. 2 (Genus)

Image information:

Dive 11 – Cadamosto / Brava
Depth: 3423 m



***Anthoptilum* sp.**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Pennatulacea (Order) > Sessiliflorae (Suborder) > Anthoptilidae (Family) > *Anthoptilum* sp. (Genus)

Image information:

Dive 6 – Cadamosto seamount
Depth: 1865m



***Anthoptilidae* sp. (?)**

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Pennatulacea (Order) > Sessiliflorae (Suborder) > *Anthoptilidae* sp. (Family)

Image information:

Dive 11 – Cadamosto / Brava
Depth: 3431 m



Balticinidae spp.

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Pennatulacea (Order) > Sessiliflorae (Suborder) > Balticinidae spp. (Family)

Image information:

Dive 4 – Fogo

Depth: 1820m



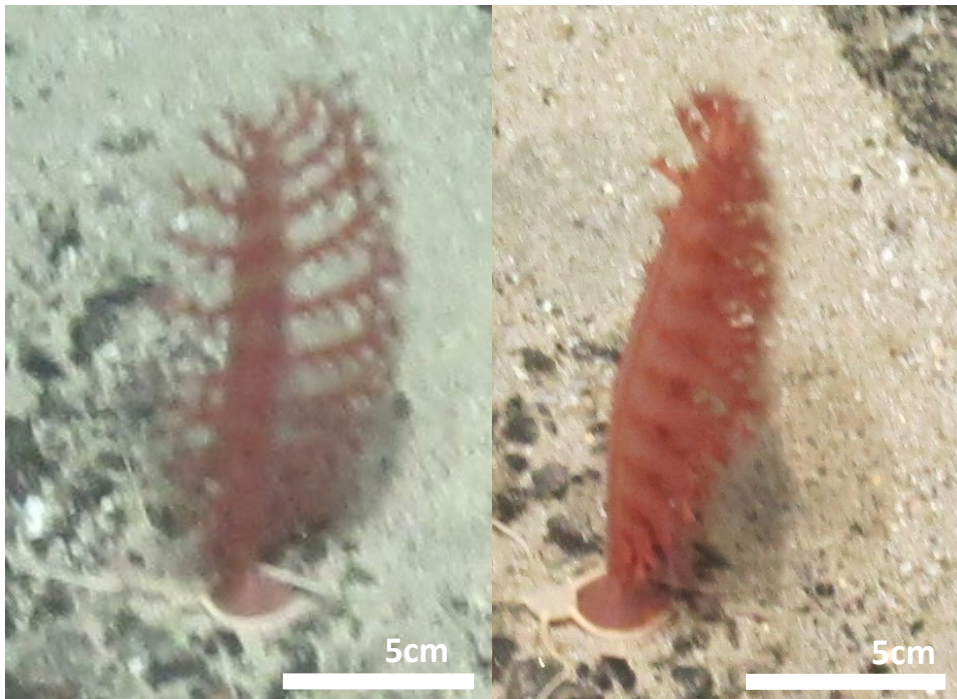
Protoptilidae spp.

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Pennatulacea (Order) > Sessiliflorae (Suborder) > Protoptilidae spp. (Family)

Image information:

Dive 1 – Fogo

Depth: 1945m



Ptilella spp.

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Pennatulacea (Order) > Subselliflorae (Suborder) > Pennatulidae (Family) > Ptilella spp.

Image information:

Dive 6 – Cadamosto seamount

Depth: 1840m

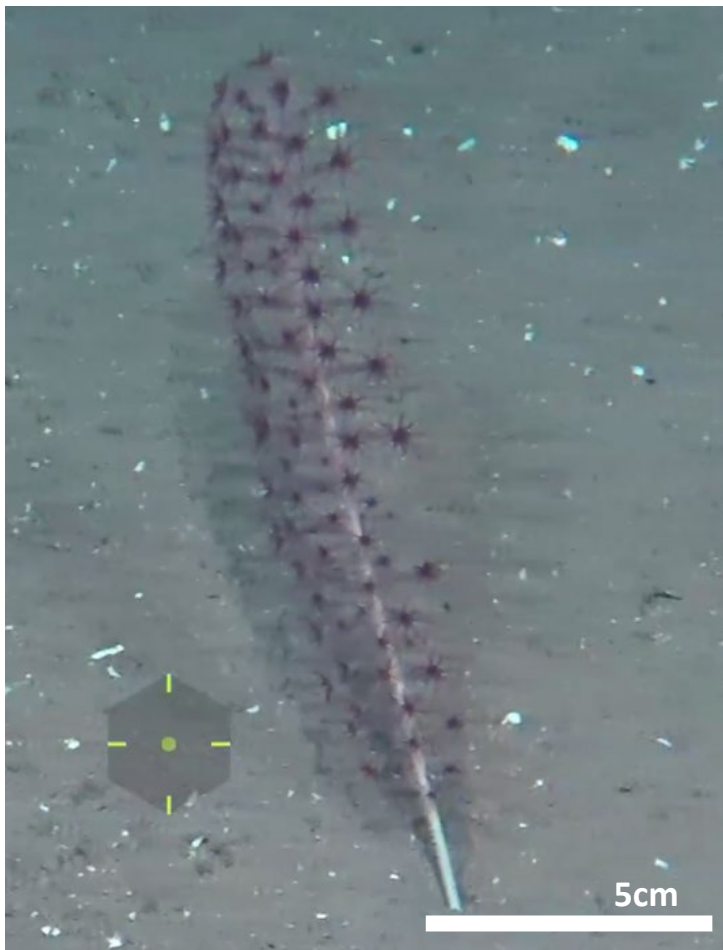


Kophobelemnidae sp.

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Pennatulacea (Order) > Sessiliflorae (Suborder) > Kophobelemnidae sp. (Family)

Image information:

Dive 1 – Fogo
Depth: 1925m



Funiculinidae spp.

Cnidaria (Phylum) > Anthozoa (Class) > Octocorallia (Subclass) > Pennatulacea (Order) > Sessiliflorae (Suborder) > Funiculinidae spp. (Family)

Image information:

Dive 10 – Brava

Depth: 1830m



Pennatulacea 1

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Pennatulacea 1 (Order)

Image information:

Dive 7 – Cadamosto

Depth: 1855m



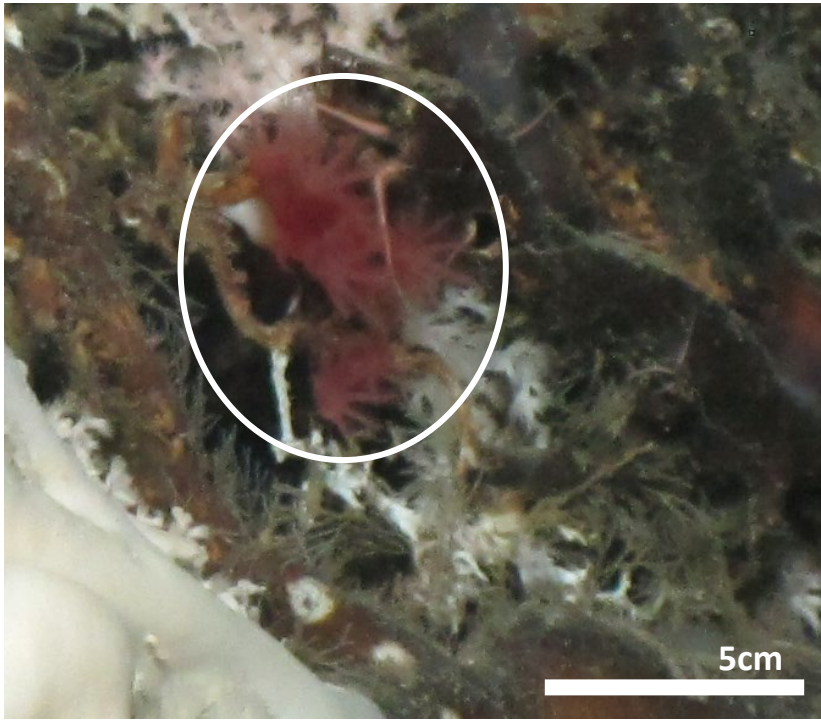
Pennatulacea 2

Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass) > Pennatulacea 2 (Order)

Image information:

Dive 12 – Fogo

Depth: 3510 m



Octocorallia

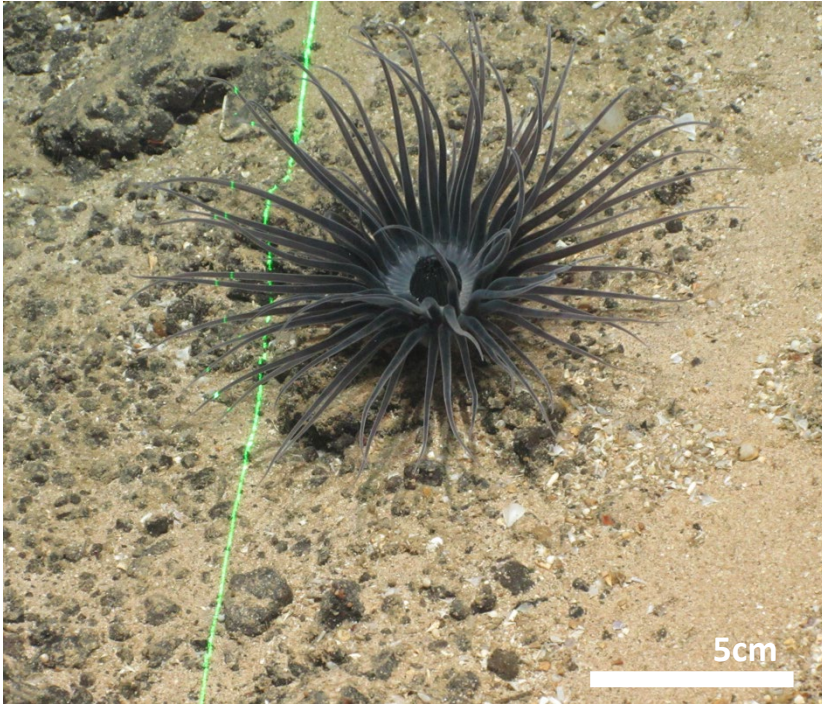
Cnidaria (Phylum) > Anthozoa (Class) >
Octocorallia (Subclass)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1920m

Ceriantharia



Ceriantharia 1

Cnidaria (Phylum) > Anthozoa (Class) > Ceriantharia 1 (Subclass)

Image information:

Dive 6 – Cadamosto seamount

Depth: 1520m



Ceriantharia 2

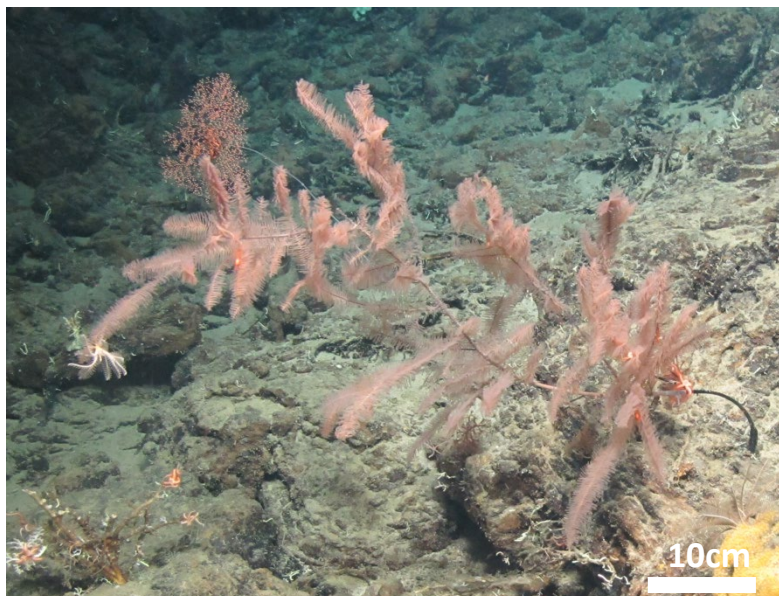
Cnidaria (Phylum) > Anthozoa (Class) > Ceriantharia 1 (Subclass)

Image information:

Dive 4 – Fogo

Depth: 1940m

Antipatharia



***Parantipathes* spp. 1**

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Antipatharia (Order) > Schizopathidae (Family) > *Parantipathes* spp. 1 (Genus)

Image information:

Dive 7 – Cadamosto seamount
Depth: 2015m

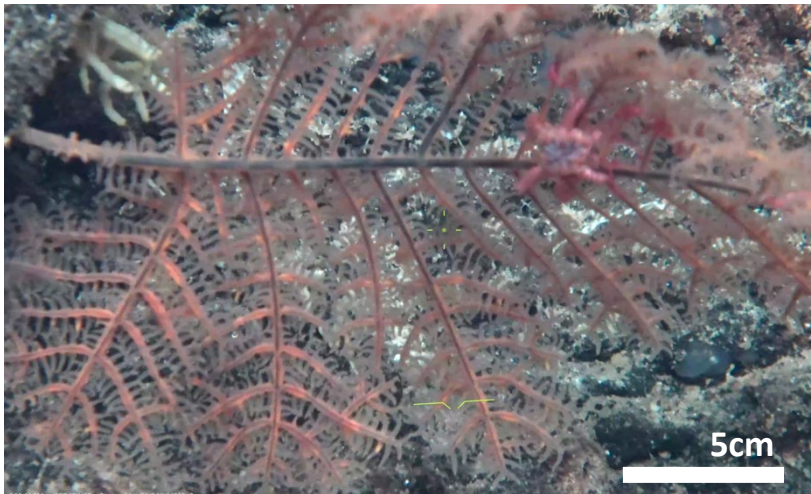


***Parantipathes* spp. 2**

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Antipatharia (Order) > Schizopathidae (Family) > *Parantipathes* spp. 2 (Genus)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1540m



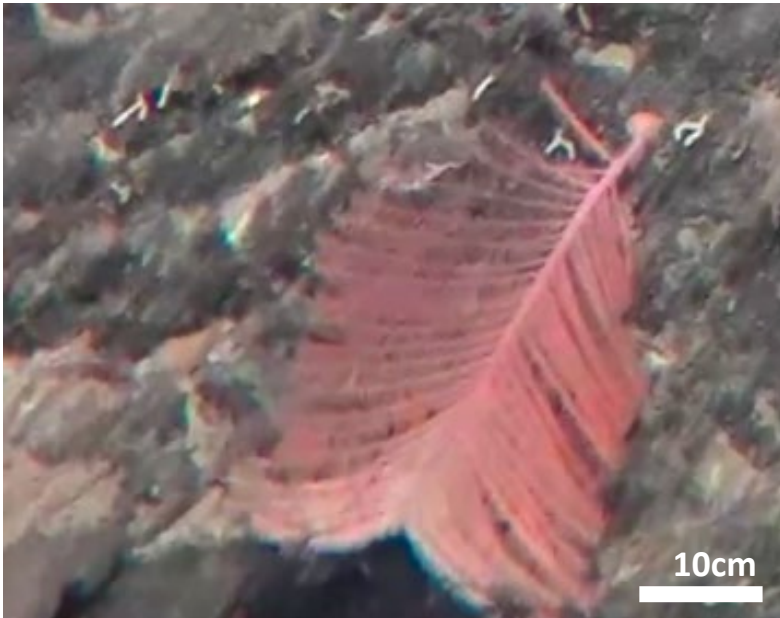
***Stauropathes* spp.**

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Antipatharia (Order) > Schizopathidae (Family) > *Stauropathes* spp. (Genus)

Image information:

Dive 7 – Cadamosto seamount

Depth: 2010m (left) and 1930m (right)

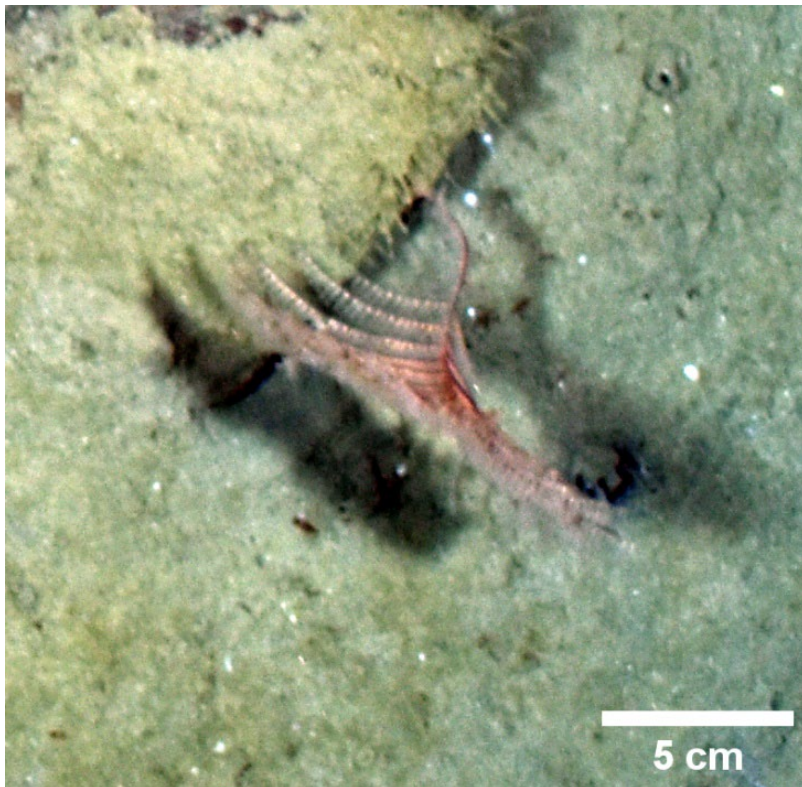


***Bathypathes* sp. 1**

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Antipatharia (Order) > Schizopathidae (Family) > *Bathypathes* sp.1 (Genus)

Image information:

Dive 7 – Cadamosto seamount
Depth: 2010m



***Bathypathes* sp. 2**

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Antipatharia (Order) > Schizopathidae (Family) > *Bathypathes* sp, 2 (Genus)

Image information:

Dive 12 – Fogo
Depth: 3514 m

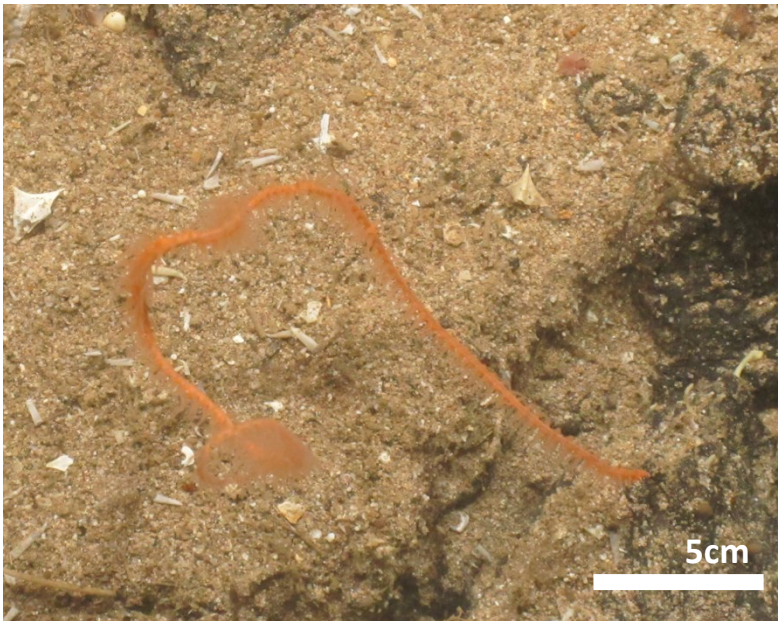
***Stichopathes* spp.**

Cnidaria (Phylum) > Anthozoa (Class) >
Hexacorallia (Subclass) > Antipatharia (Order)
> Antipathidae (Family) > *Stichopathes* spp.
(Genus)

Image information:

Dive 4 – Fogo

Depth: 1880m





***Trissopathes* sp.**

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Antipatharia (Order) > Cladopathidae (Family) > Cladopathinae (Subfamily) > *Trissopathes* sp. (Genus)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1910m



Antipatharia 1

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Antipatharia 1 (Order)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1885m



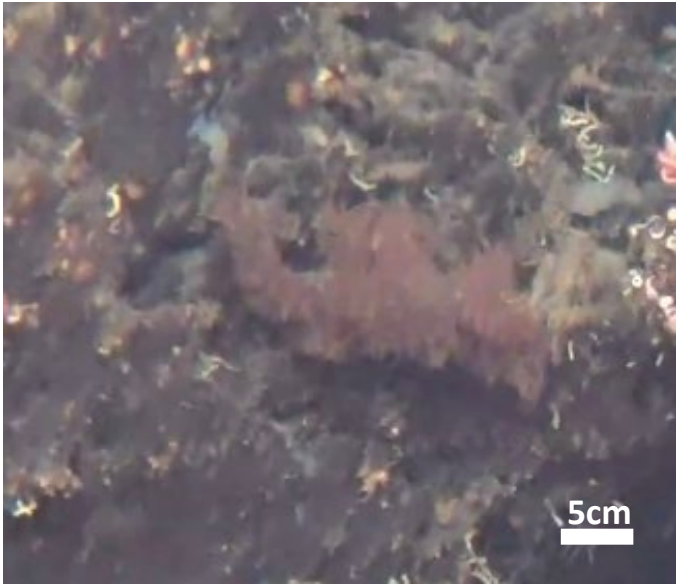
Antipatharia 2

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Antipatharia 2 (Order)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1905m



Antipatharia 3

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Antipatharia 3 (Order)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1970m

Scleractinia



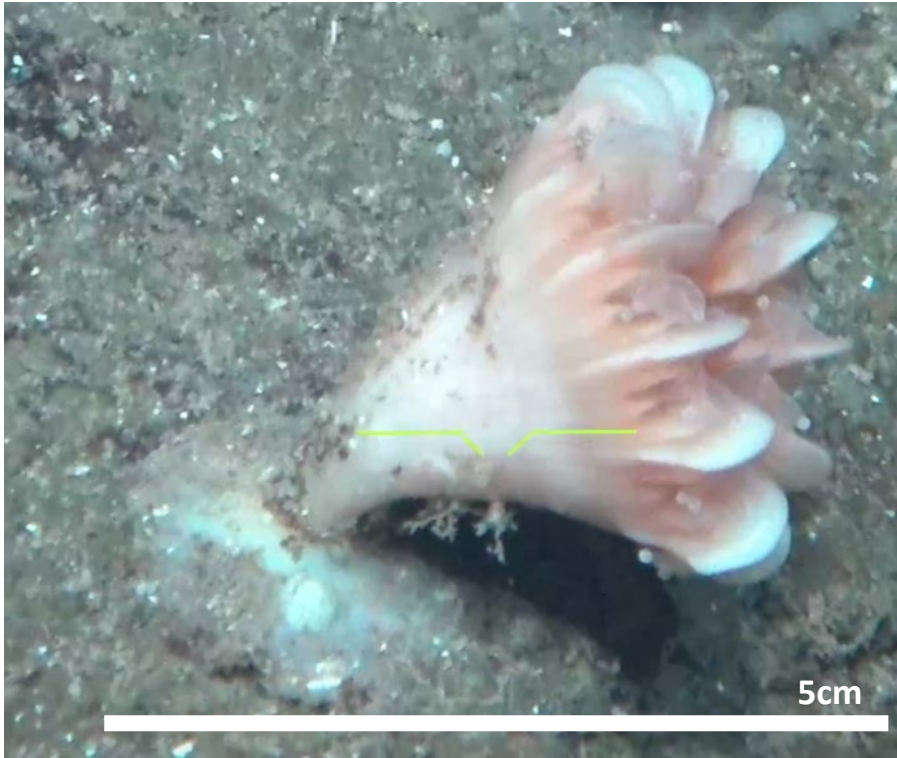
Enallopsammia rostrata

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Scleractinia (Order) > Dendrophylliidae (Family) > Enallopsammia (Genus) > *Enallopsammia rostrata* (Species)

Image information:

Dive 6 – Cadamosto seamount

Depth: 1890m



Desmophyllum dianthus

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Scleractinia (Order) > Caryophylliidae (Family) > Desmophyllum (Genus) > *Desmophyllum dianthus* (Species)

Image information:

Dive 10 – Brava
Depth: 1800m

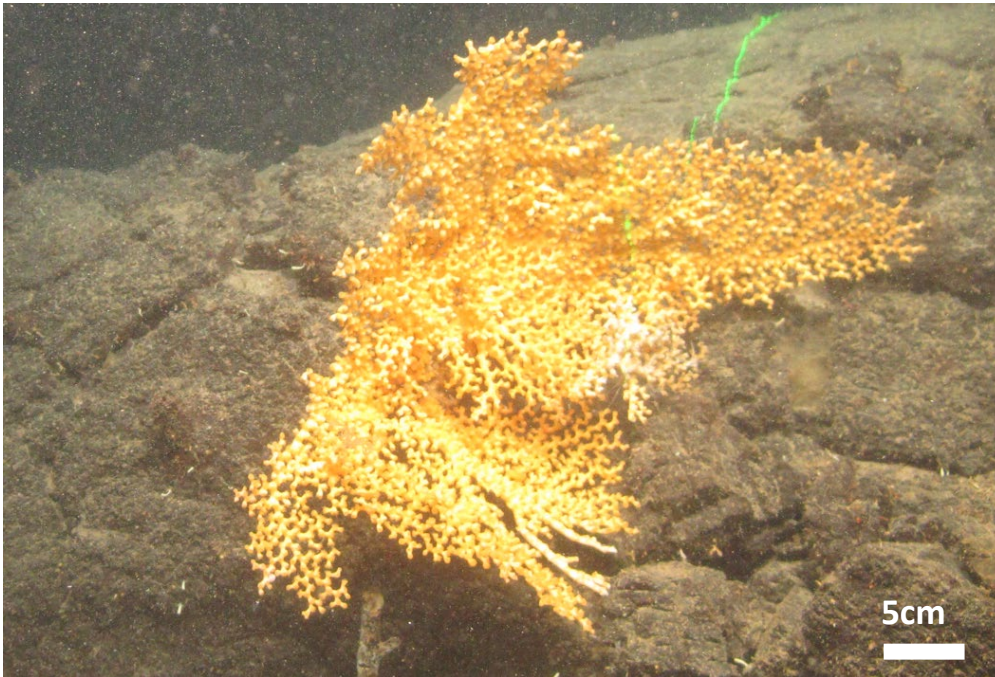


Desmophyllum dianthus ?

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Scleractinia (Order) > Caryophylliidae (Family) > Desmophyllum (Genus) > *Desmophyllum dianthus* (Species)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1610m



Solenosmilia variabilis

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Scleractinia (Order) > Caryophylliidae (Family) > Solenosmilia (Genus) > *Solenosmilia variabilis* (Species)

Image information:

Dive 6 – Cadamosto seamount

Depth: 1768m

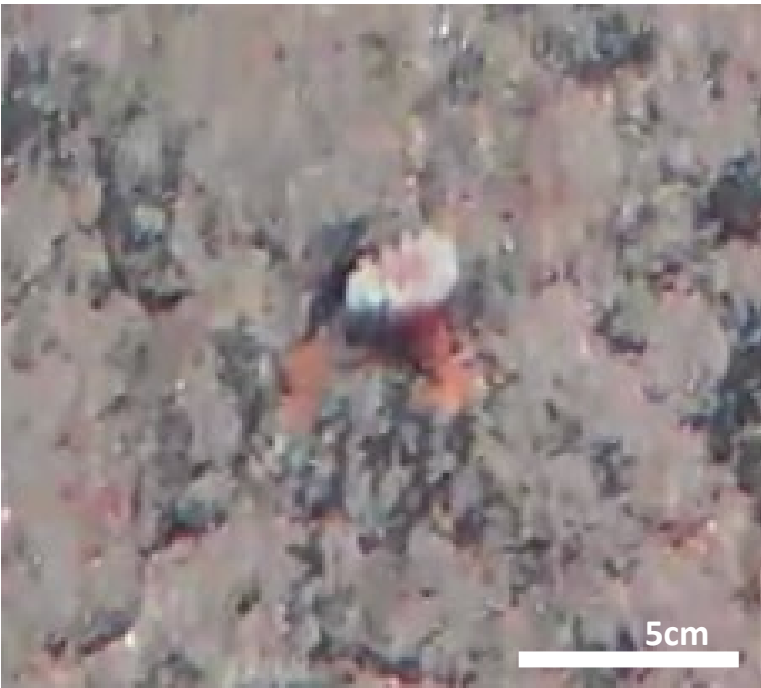


Caryophylliidae spp. 1

Cnidaria (Phylum) > Anthozoa (Class) >
Hexacorallia (Subclass) > Scleractinia (Order) >
Caryophylliidae spp. 1 (Family)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1730m



Caryophylliidae spp. 2

Cnidaria (Phylum) > Anthozoa (Class) >
Hexacorallia (Subclass) > Scleractinia (Order) >
Caryophylliidae spp. 2 (Family)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1540m



Caryophylliidae spp. 3

Cnidaria (Phylum) > Anthozoa (Class) >
Hexacorallia (Subclass) > Scleractinia (Order) >
Caryophylliidae spp. 3 (Family)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1590m

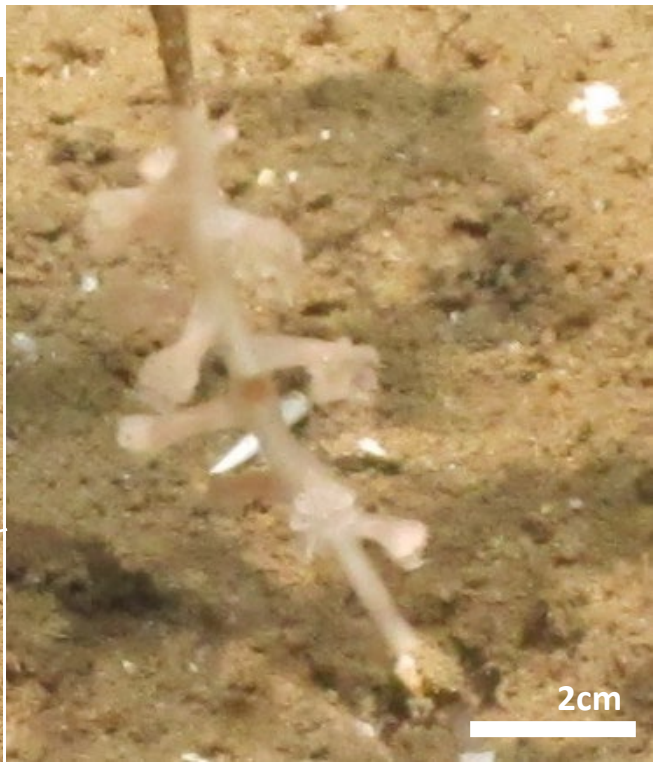
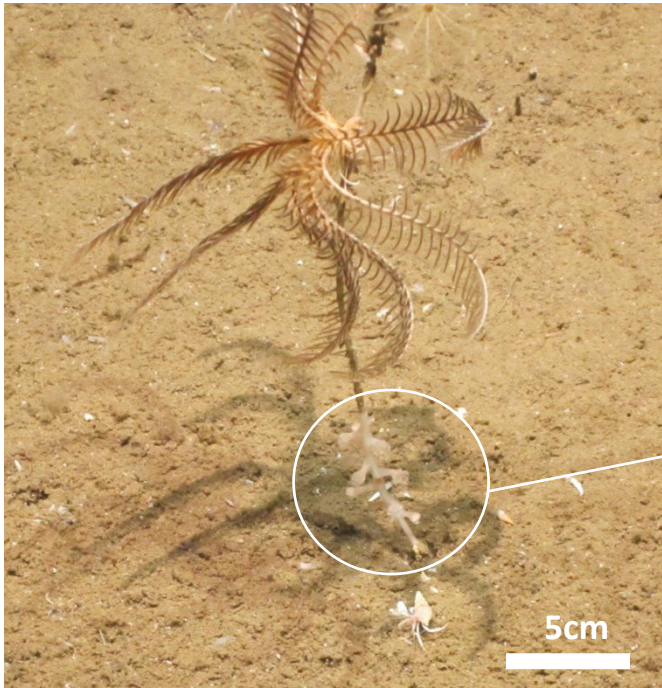


Caryophylliidae spp. 4

Cnidaria (Phylum) > Anthozoa (Class) >
Hexacorallia (Subclass) > Scleractinia (Order) >
Caryophylliidae spp. 4 (Family)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1520m



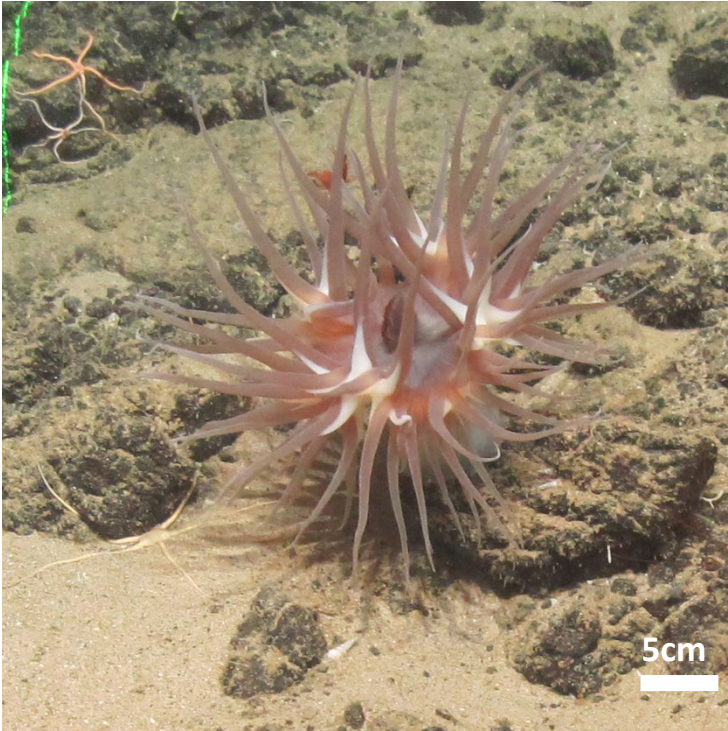
Scleractinia

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Scleractinia (Order)

Image information:

Dive 1 - Fogo
Depth: 1950m

Actinaria



***Actinernus* sp.**

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Actiniaria (Order) > Anenthemonae (Suborder) > Actinernidae (Family) > *Actinernus* sp. (Genus)

Image information:

Dive 6 – Cadamosto seamount

Depth: 1915m

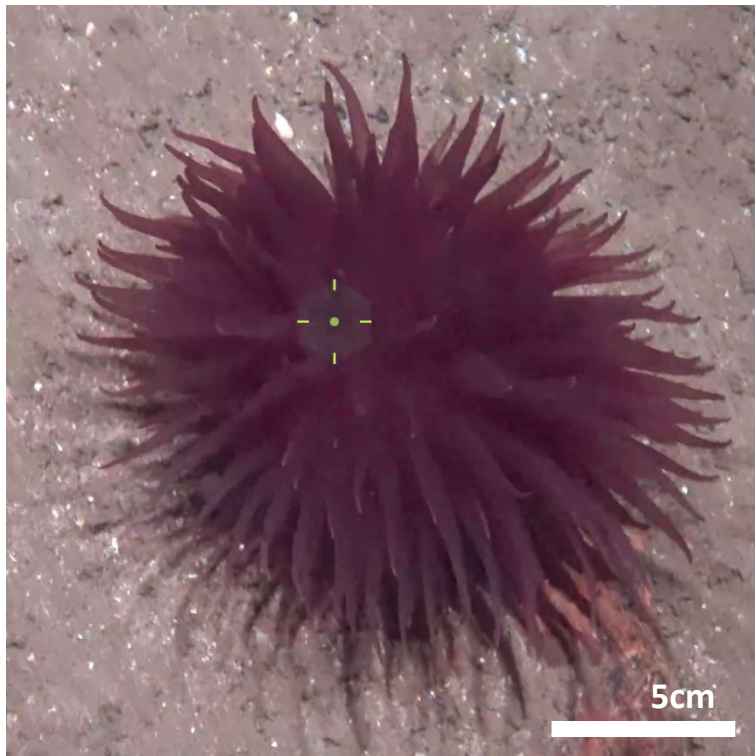


***Liponema* spp. 1**

Cnidaria (Phylum) > Anthozoa (Class) >
Hexacorallia (Subclass) > Actiniaria (Order) >
Enthemonae (Suborder) > Liponematidae
(Family) > *Liponema* spp. 1 (Genus)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1640m



***Liponema* spp. 2**

Cnidaria (Phylum) > Anthozoa (Class) >
Hexacorallia (Subclass) > Actiniaria (Order) >
Enthemonae (Suborder) > Liponematidae
(Family) > *Liponema* spp. 2 (Genus)

Image information:

Dive 10 - Brava
Depth: 1680m



Actinaria 1

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Actinaria 1 (Order)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1930m

Note: Not included in the video analysis as it is smaller than 5cm.



Actinaria 2

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Actinaria 2 (Order)

Image information:

Dive 12 – Fogo

Depth: 3515 m

Zoantharia



Zoantharia 1

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Zoantharia 1 (Order)

Image information:

Dive 4 – Fogo
Depth: 1835m



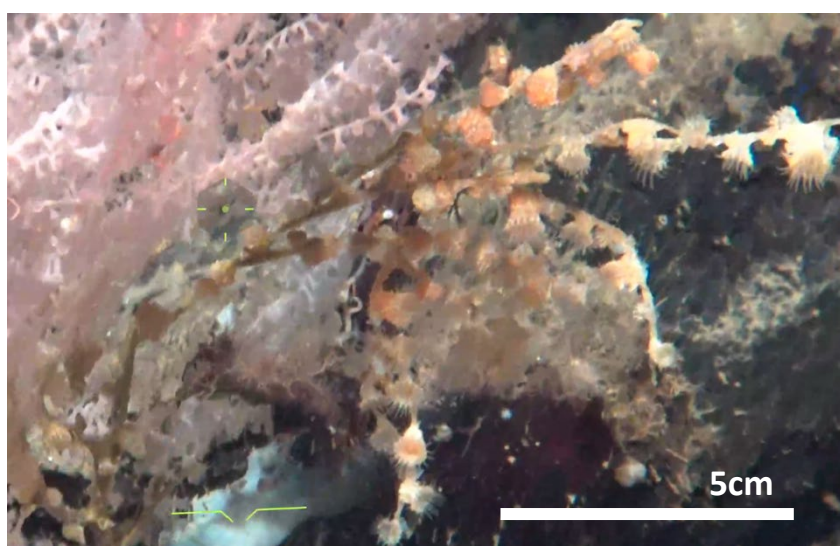
Zoantharia 2

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Zoantharia 2 (Order)

Image information:

Dive 4 – Fogo
Depth: 1835m

Note: Not included in the video analysis as it is smaller than 5cm.

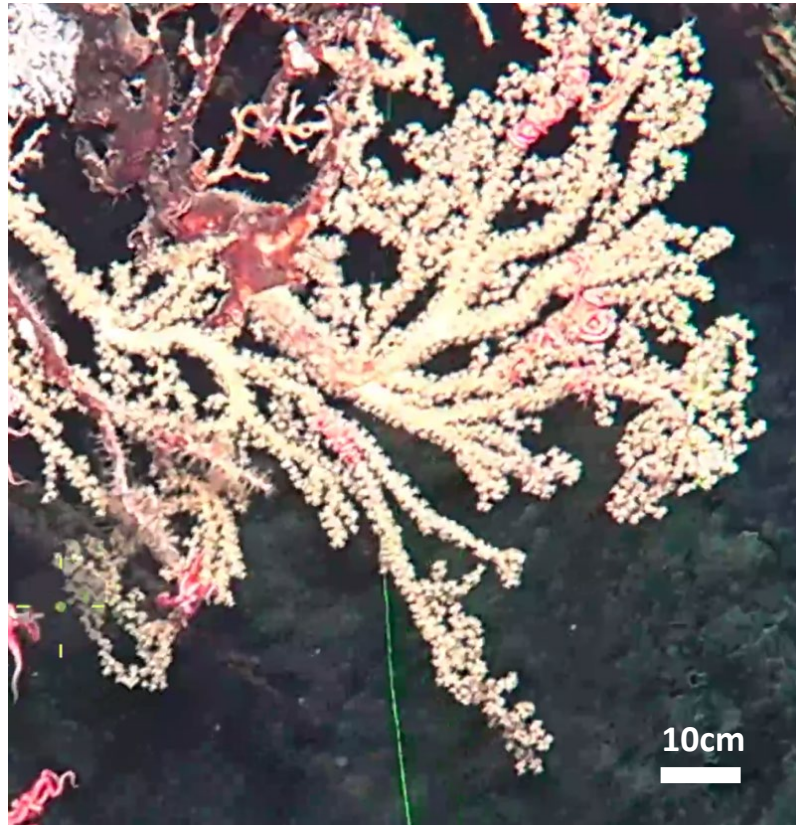


Zoantharia 3

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Zoantharia 3 (Order)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1620m



Zoantharia 4

Cnidaria (Phylum) > Anthozoa (Class) >
Hexacorallia (Subclass) > Zoantharia 4
(Order)

Image information:

Dive 5 – Cadamosto seamount

Depth: 2000m

Zoantharia 5

Cnidaria (Phylum) > Anthozoa (Class) > Hexacorallia (Subclass) > Zoantharia 5 (Order)

Image information:

Dive 1 - Fogo

Depth: 2065m



Hydrozoa



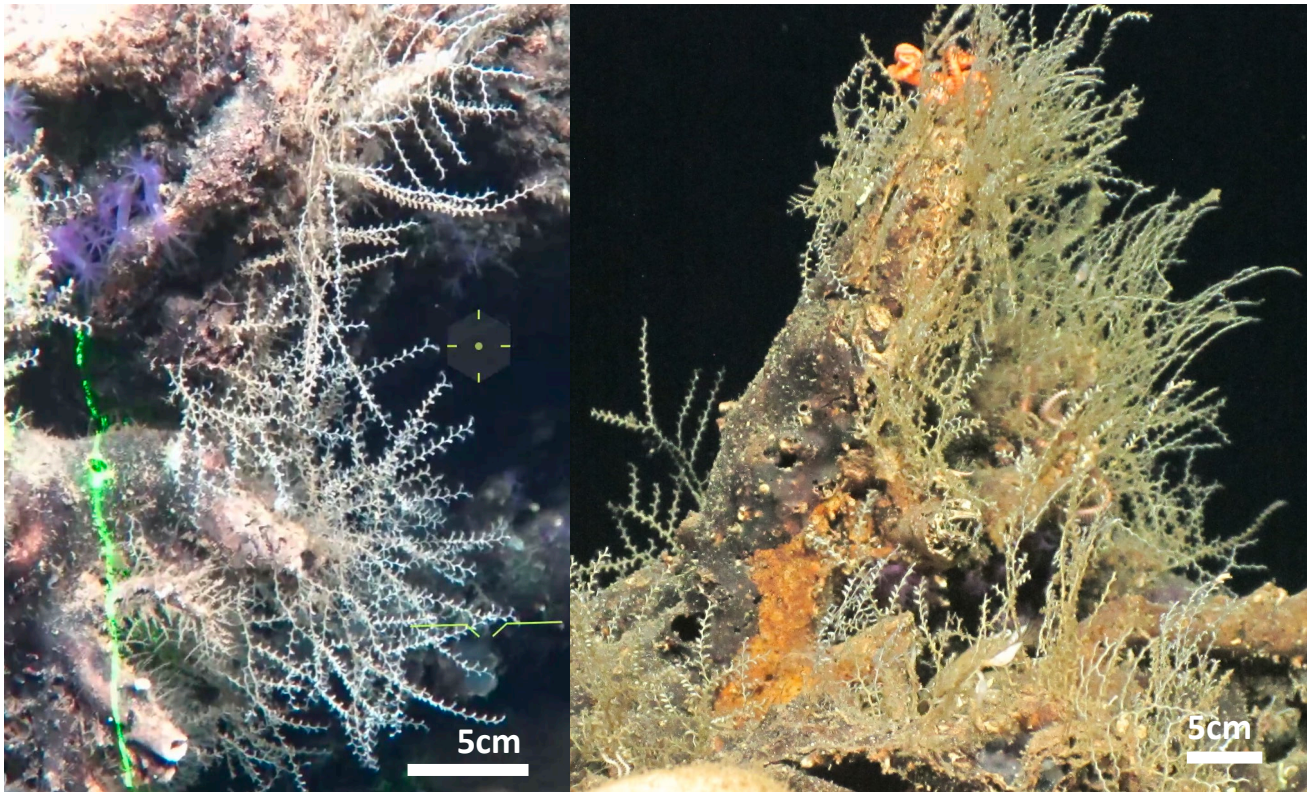
Corymorphidae sp.

Cnidaria (Phylum) > Hydrozoa (Class) > Hydroidolina (Subclass) > Anthoathecata (Order)
Aplanulata (Suborder) > Corymorphidae (Family)

Image information:

Dive 6 - Cadamosto Seamount

Depth: 1915m



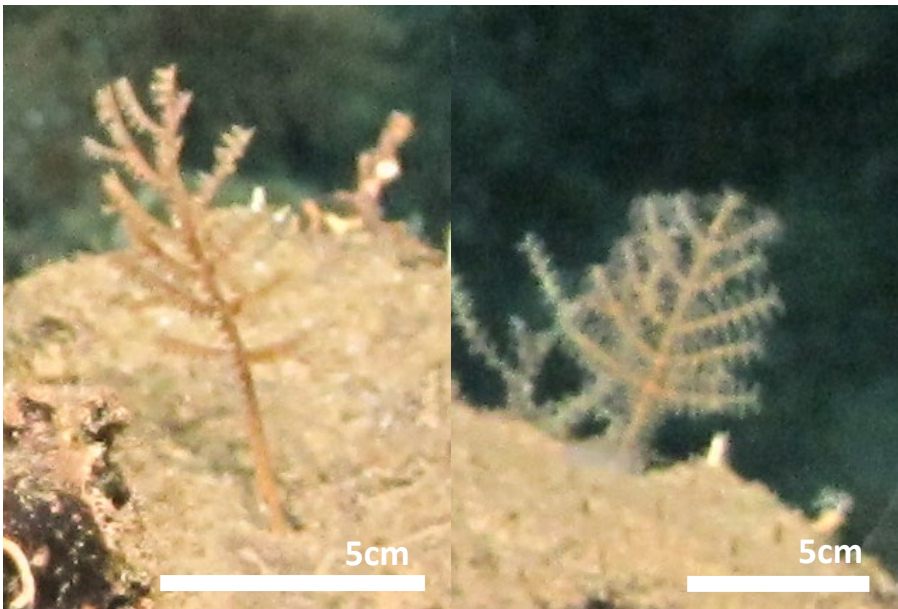
Sertulariidae sp.

Cnidaria (Phylum) > Hydrozoa (Class) > Hydroidolina (Subclass) > Leptothecata (Order) > Sertularioidea (Superfamily) > Sertulariidae sp. (Family)

Images information:

Dive 7 - Cadamosto Seamount

Depth: 2010m



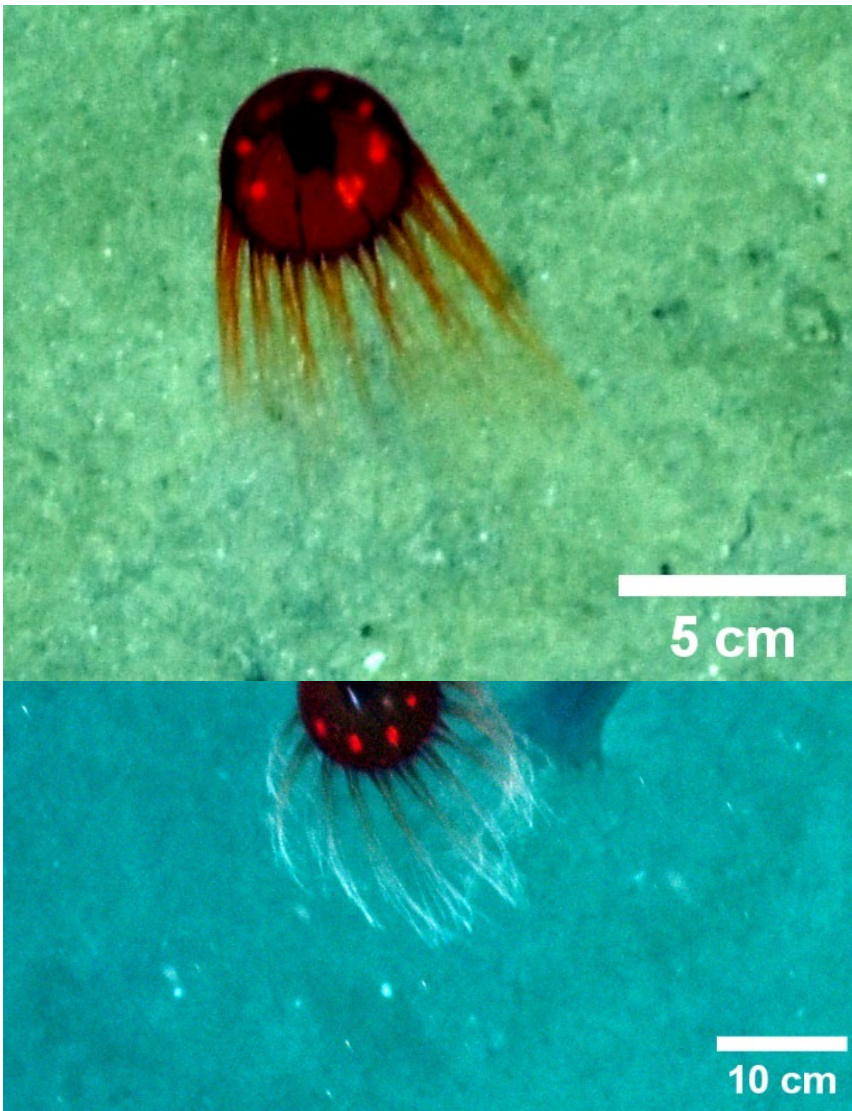
Sertulariidae sp. or Syntheciidae sp.

Cnidaria (Phylum) > Hydrozoa (Class) > Hydroidolina (Subclass) > Leptothecata (Order) > Sertularioidea (Superfamily) > Sertulariidae sp. or Syntheciidae sp. (Family)

Image information:

Dive 7 – Cadamosto seamount

Depth: 1900m



***Crossota* sp**

Cnidaria (Phylum) > Hydrozoa (Class) > Trachylinae (Subclass) > Trachymedusae (Order) Rhopalonematidae (Family) > *Crossota* sp (Genus)

Image information:

Dive 12 – Fogo
Depth: 3508 m



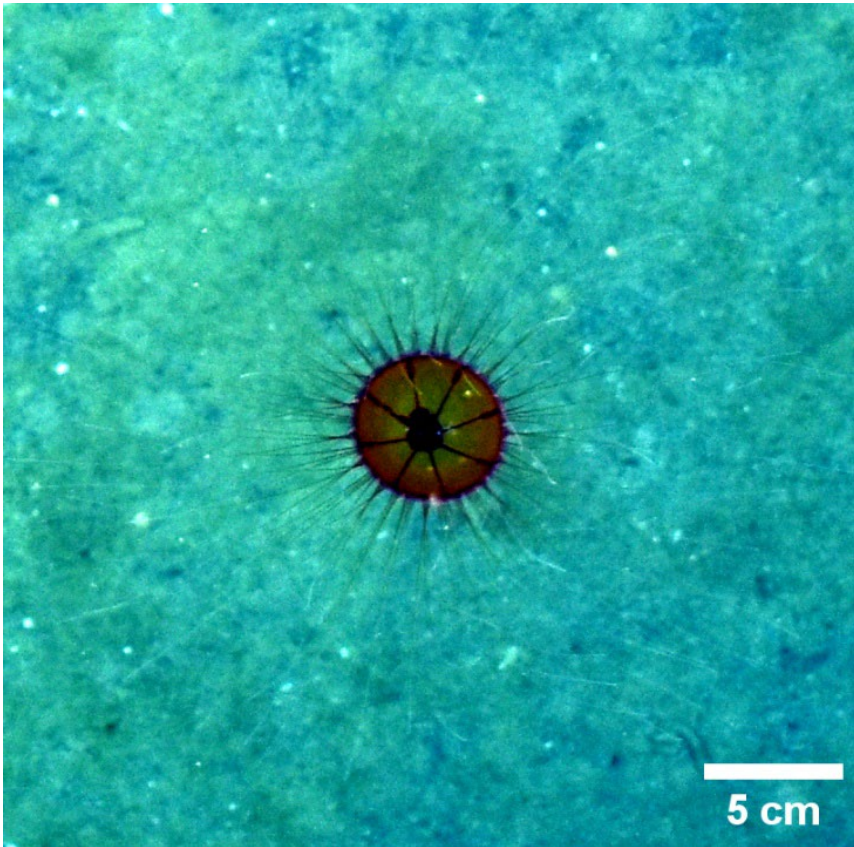
Rhopalonematidae sp. 1

Cnidaria (Phylum) > Hydrozoa (Class) > Trachylinae (Subclass) > Trachymedusae (Order) > Rhopalonematidae sp. 1 (Family)

Image information:

Dive 3 - Cadamosto Seamount

Depth: 1640m



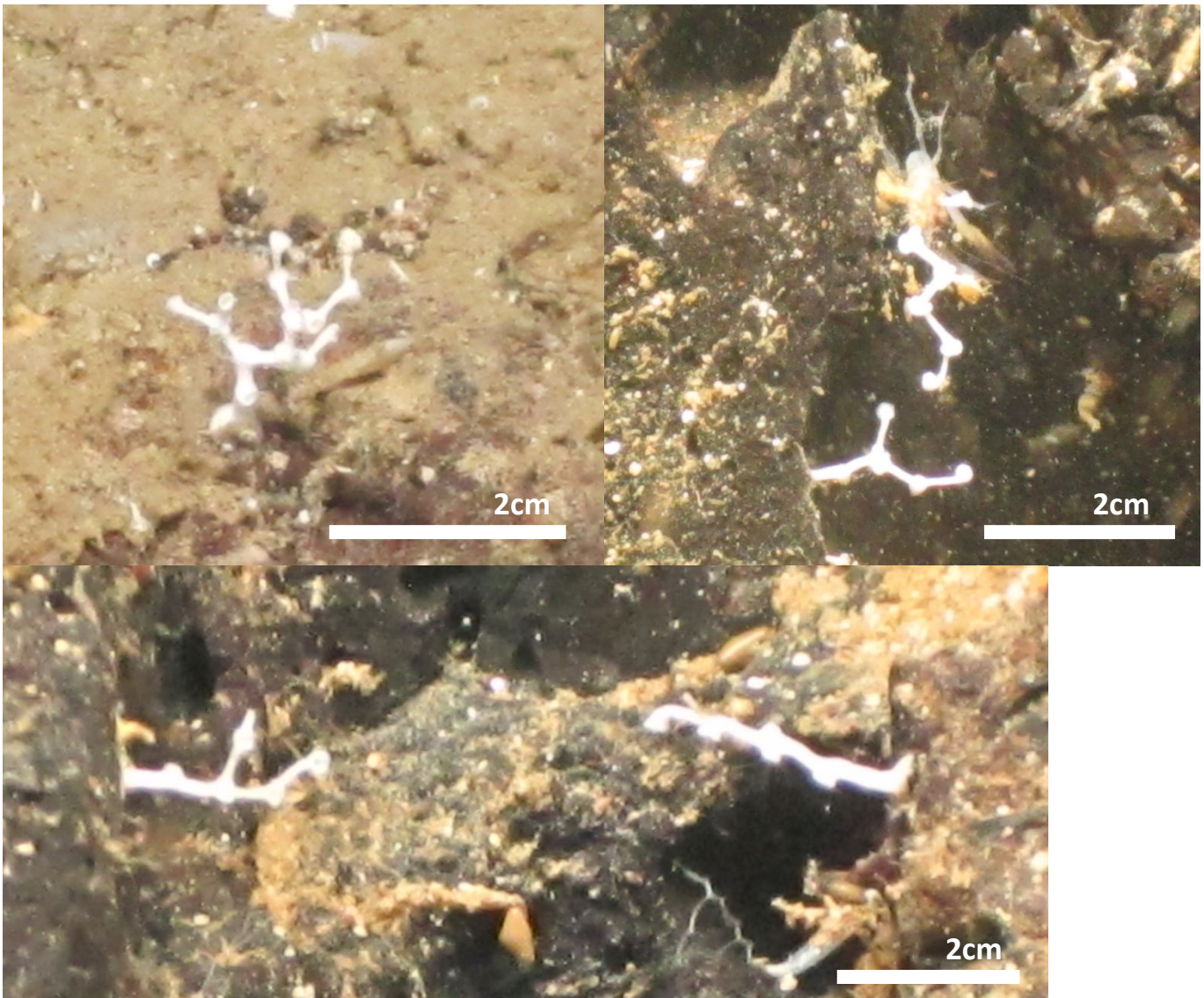
Rhopalonematidae 2

Animalia (Kingdom) Cnidaria (Phylum) Hydrozoa (Class) Trachylinae (Subclass) Trachymedusae (Order)
Rhopalonematidae 2 (Family)

Image information:

Dive 12 – Fogo

Depth: 3508 m



***Crypthelia* sp. or *Stenohelia* sp.**

Cnidaria (Phylum) > Hydrozoa (Class) > Hydroidolina (Sub- class) > Anthoathecata (Order) > Filifera (Suborder) > Stylasteridae (Family) > *Crypthelia* sp. or *Stenohelia* sp. (Genus)

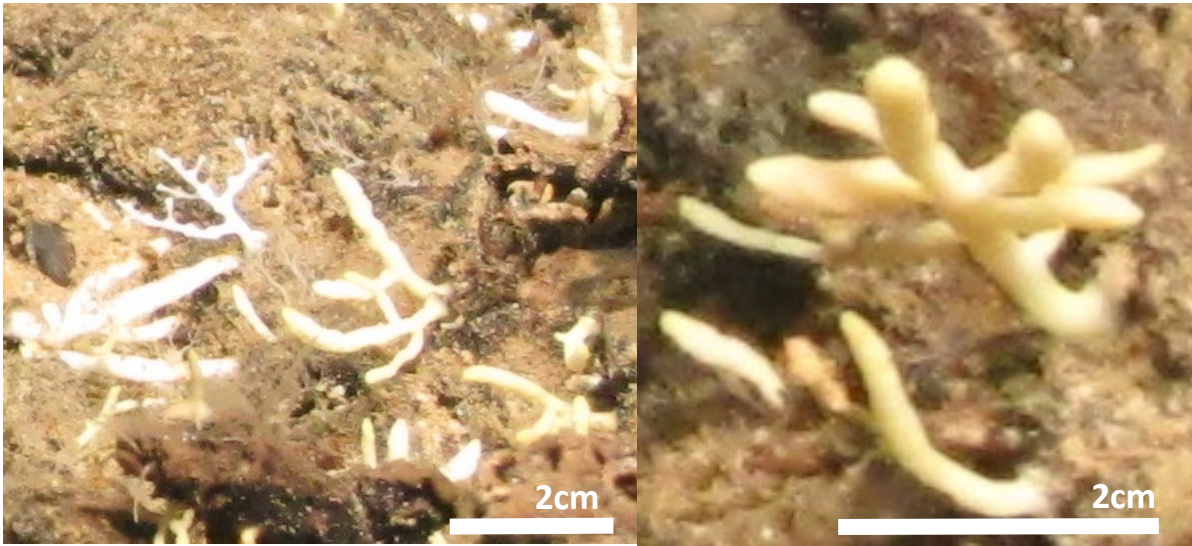
Images information:

Dive 1 – Fogo

Dive 3 – Cadamosto Seamount

Depth: 1890m and 1500m

Note: All stylasteridae morphotypes observed are described in this catalog but they are not included in the video analysis as their size is smaller than 5 cm. Instead, areas with a high density of stylasterids are identified as a biogenic substrate type (see Substrate type section).



***Pliobothrus* sp.**

Cnidaria (Phylum) > Hydrozoa (Class) >

Hydroidolina (Sub- class) > Anthoathecata (Order) > Filifera (Suborder) > Stylasteridae spp. (Family) >

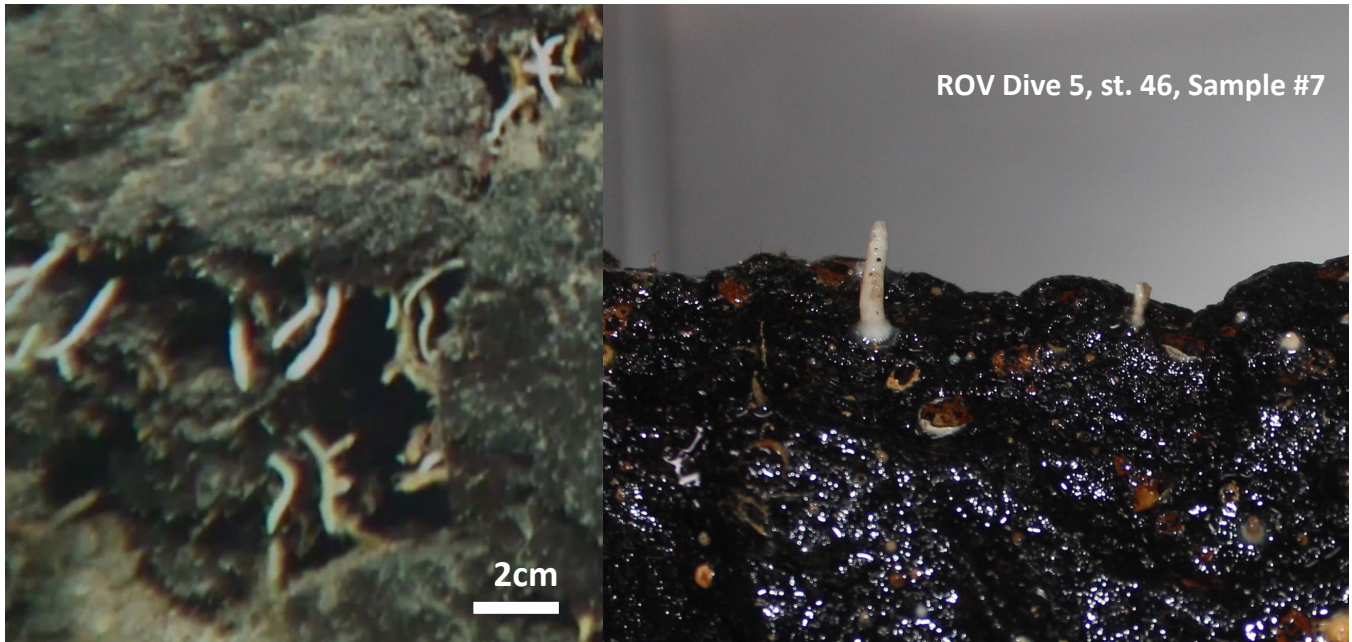
Pliobothrus sp. (Genus)

Image information:

Dive 7 - Cadamosto Seamount

Depth: 2010m

Note: All stylasteridae morphotypes observed are described in this catalog but they are not included in the video analysis as their size is smaller than 5 cm. Instead, areas with a high density of stylasterids are identified as a biogenic substrate type (see Substrate type section).



Stylasteridae spp. 1

Cnidaria (Phylum) > Hydrozoa (Class) >

Hydroidolina (Sub-class) > Anthoathecata (Order) > Filifera (Suborder) > Stylasteridae spp. 1 (Family)

Image information:

Dive 6 - Cadamosto Seamount

Depth: 1890m

Note: All stylasteridae morphotypes observed are described in this catalog but they are not included in the video analysis as their size is smaller than 5 cm. Instead, areas with a high density of stylasterids are identified as a biogenic substrate type (see Substrate type section).



Stylasteridae spp. 2

Cnidaria (Phylum) > Hydrozoa (Class) >

Hydroidolina (Sub-class) > Anthoathecata (Order) > Filifera (Suborder) > Stylasteridae spp. 2 (Family)

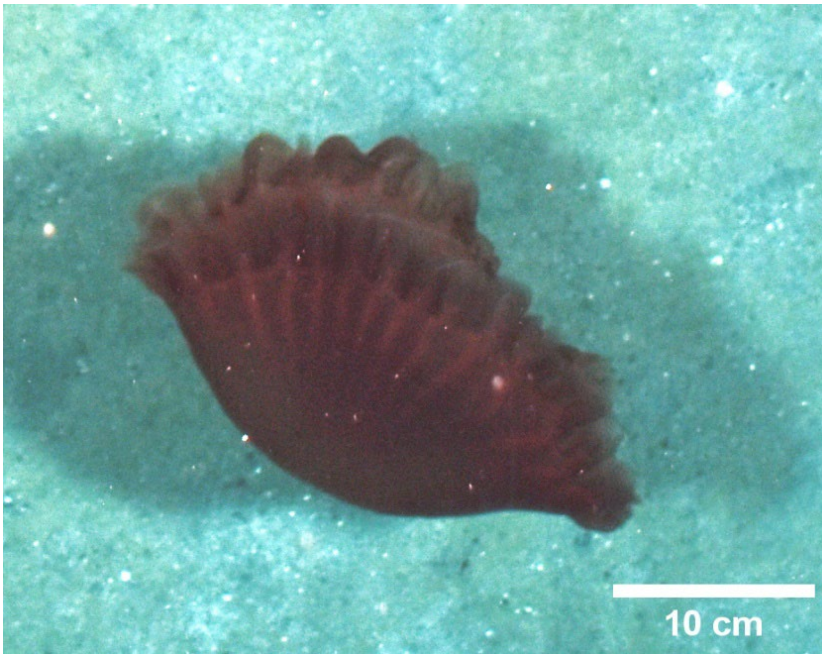
Image information:

Dive 7 - Cadamosto Seamount

Depth: 2010m

Note: All stylasteridae morphotypes observed are described in this catalog but they are not included in the video analysis as their size is smaller than 5 cm. Instead, areas with a high density of stylasterids are identified as a biogenic substrate type (see Substrate type section).

Scyphozoa



***Poralia* sp**

Cnidaria (Phylum) > Scyphozoa (Class) > Discomedusae (Subclass) > Semaestomeae (Order) Ulmaridae (Family) > Poralinae (Subfamily) > Poralia (Genus)

Image information:

Dive 12 – Fogo

Depth: 3508 m

Arthropoda

Crustacea



Poecilasmatae spp.

Arthropoda (Phylum) > Crustacea (Subphylum) > Multicrustacea (SuperClass) > Thecostraca (Class) > Cirripedia (Subclass) > Scalpellomorpha (Order) > Lepadoidea (Superfamily) > Poecilasmatae spp. (Family)

Image information:

Dive 1 – Fogo

Depth: 1910m



Paguroidea spp. 1

Arthropoda (Phylum) > Crustacea
(Subphylum) > Multicrustacea (SuperClass)
> Malacostraca (Class) > Eumalacostraca
(Subclass) > Decapoda (Order) >
Paguroidea spp. 1 (Superfamily)

Image information:

Dive 1 – Fogo
Depth: 2010m



Paguroidea spp. 2

Arthropoda (Phylum) > Crustacea
(Subphylum) > Multicrustacea (SuperClass)
> Malacostraca (Class) > Eumalacostraca
(Subclass) > Decapoda (Order) >
Paguroidea spp. 2 (Superfamily)

Image information:

Dive 10 – Brava
Depth: 2000m



Parapaguridae spp. 1

Arthropoda (Phylum) > Crustacea (Subphylum) > Multicrustacea (SuperClass) > Malacostraca (Class) > Eumalacostraca (Subclass) > Decapoda (Order) > Paguroidea (Superfamily) > Parapaguridae spp. 1 (Family)

Image information:

Dive 3 – Cadamosto seamount
Depth: 2020m

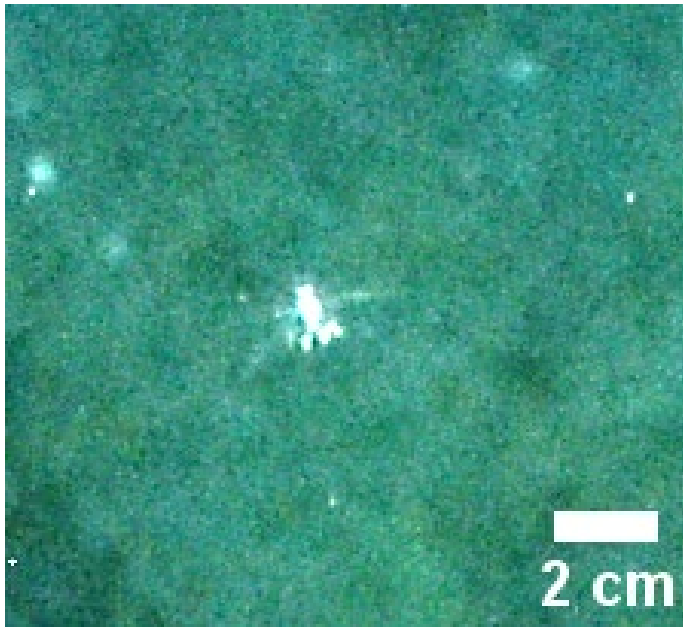


Parapaguridae spp. 2

Arthropoda (Phylum) > Crustacea (Subphylum) > Multicrustacea (SuperClass) > Malacostraca (Class) > Eumalacostraca (Subclass) > Decapoda (Order) > Paguroidea (Superfamily) > Parapaguridae spp. 2 (Family)

Image information:

Dive 4 – Fogo
Depth: 1825m



Munnopsidae sp. 1

Arthropoda (Phylum) > Crustacea (Subphylum) > Multicrustacea (Superclass) > Malacostraca (Class) > Eumalacostraca (Subclass) > Peracarida (Superorder) > Isopoda (Order) > Asellota (Suborder) > Janiroidea (Superfamily) > Munnopsidae sp. 1 (Family)

Image information:

Dive 12 – Fogo
Depth: 3514 m



Aristeidae 1

Arthropoda (Phylum) > Crustacea (Subphylum) > Multicrustacea (Superclass) Malacostraca (Class) > Eumalacostraca (Subclass) > Eucarida (Superorder) > Decapoda (Order) > Dendrobranchiata (Suborder) > Penaeoidea (Superfamily) > Aristeidae (Family)

Image information:

Dive 11 – Cadamosto / Brava
Depth: 3431 m

Image information:

Dive 12 – Fogo
Depth: 3514 m

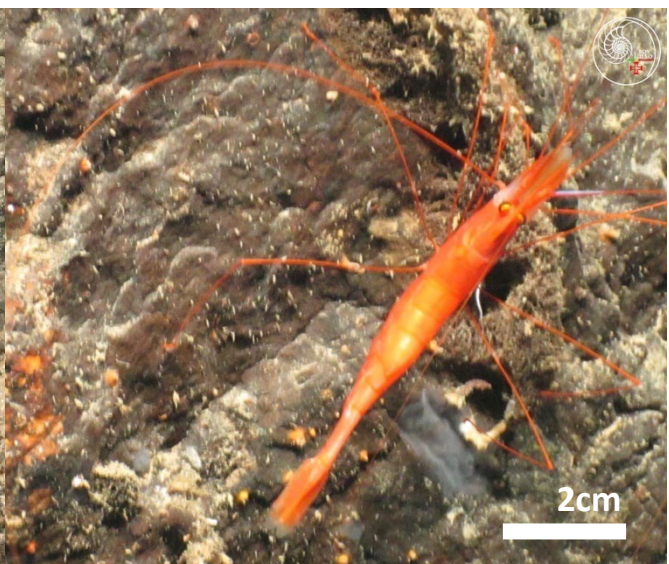


Bathypalaemonella serratipalma

Arthropoda (Phylum) > Crustacea (Subphylum) > Multicrustacea (SuperClass) > Malacostraca (Class) > Eumalacostraca (Subclass) > Decapoda (Order) > Pleocyemata (Suborder) > Caridea (Infraorder) > Campylonotoidea (Superfamily) > Bathypalaemonellidae (Family) > Bathypalaemonella (Genus) > *Bathypalaemonella serratipalma* (Species)

Image information:

Dive 1 – Fogo
Depth: 1885m



Nematocarcinus sp.

Arthropoda (Phylum) > Crustacea (Subphylum) > Multicrustacea (SuperClass) > Malacostraca (Class) > Eumalacostraca (Subclass) > Decapoda (Order) > Pleocyemata (Suborder) > Caridea (Infraorder) > Nematocarcinoidea (Superfamily) > Nematocarcinidae (Family) > *Nematocarcinus sp.*(Genus)

Image information:

Dive 1 – Fogo
Depth: 2015m



Decapoda

Arthropoda (Phylum) > Crustacea
(Subphylum) > Multicrustacea
(SuperClass) > Malacostraca (Class) >
Eumalacostraca (Subclass) > Decapoda
(Order)

Image information:

Dive 1 – Fogo
Depth: 2070m



Geryonidae sp.

Arthropoda (Phylum) > Crustacea
(Subphylum) > Multicrustacea
(SuperClass) > Malacostraca (Class) >
Eumalacostraca (Subclass) > Decapoda
(Order) > Pleocyemata (Suborder) >
Brachyura (Infraorder) >
Eubrachyura (Section) >
Heterotremata (Subsection) >
Portunoidea (Superfamily) > Geryonidae
sp. (Family)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1565m



Brachyura

Arthropoda (Phylum) > Crustacea
(Subphylum) > Multicrustacea
(SuperClass) > Malacostraca (Class) >
Eumalacostraca (Subclass) > Decapoda
(Order) > Pleocyemata (Suborder) >
Brachyura (Infraorder)

Image information:

Dive 9 – Cadamosto seamount

Depth: 1475m



Munididae spp. 1

Arthropoda (Phylum) > Crustacea
(Subphylum) > Multicrustacea (SuperClass) >
Malacostraca (Class) > Eumalacostraca
(Subclass) > Decapoda (Order) >
Pleocyemata (Suborder) > Anomura
(Infraorder) > Galatheoidea (Superfamily) >
Munididae spp. 1 (Family)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1760m



Munididae spp. 2

Arthropoda (Phylum) > Crustacea
(Subphylum) > Multicrustacea (SuperClass) >
Malacostraca (Class) > Eumalacostraca
(Subclass) > Decapoda (Order) >
Pleocyemata (Suborder) > Anomura
(Infraorder) > Galattheoidea (Superfamily) >
Munididae spp. 2 (Family)

Image information:

Dive 7 – Cadamosto seamount
Depth: 1945m



Malacostraca

Arthropoda (Phylum) > Crustacea
(Subphylum) > Multicrustacea (SuperClass) >
Malacostraca (Class)

Image information:

Dive 10 – Brava
Depth: 1895m



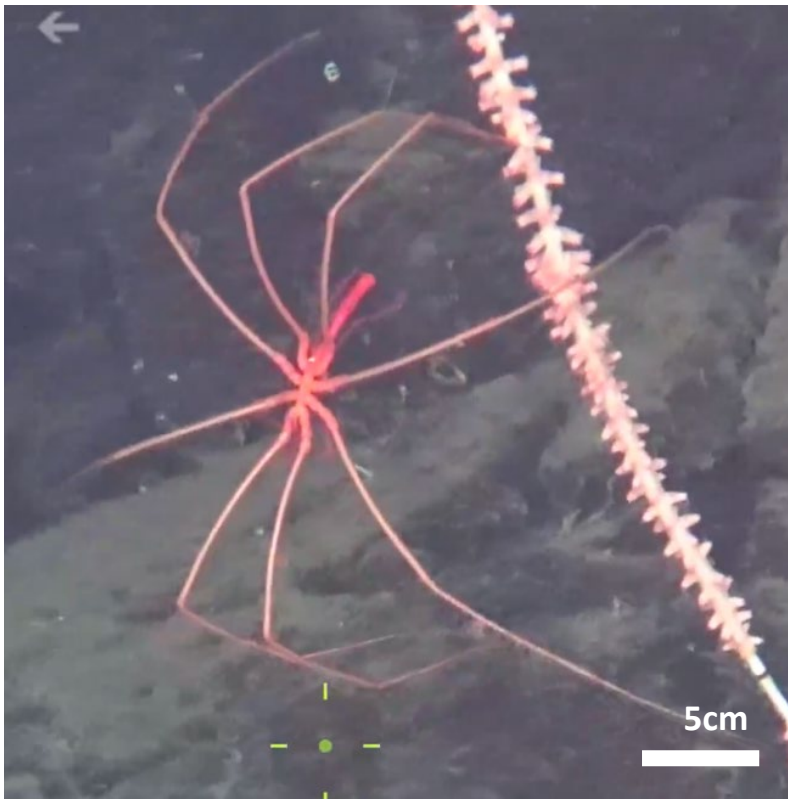
Copepoda

Arthropoda (Phylum) > Crustacea
(Subphylum) > Multicrustacea
(Superclass) > Copepoda (Class)

Image information:

Dive 12 – Fogo
Depth: 3504 m

Pycnogonida



Colossendeidae sp.

Arthropoda (Phylum) > Chelicerata (Subphylum) > Pycnogonida (Class) > Pantopoda (Order) > Eupantopodida (Suborder) > Colossendeidoidea (Superfamily) > Colossendeidae sp. (Family)

Image information:

Dive 10 – Brava

Depth: 1785m

Annelida

Polychaeta

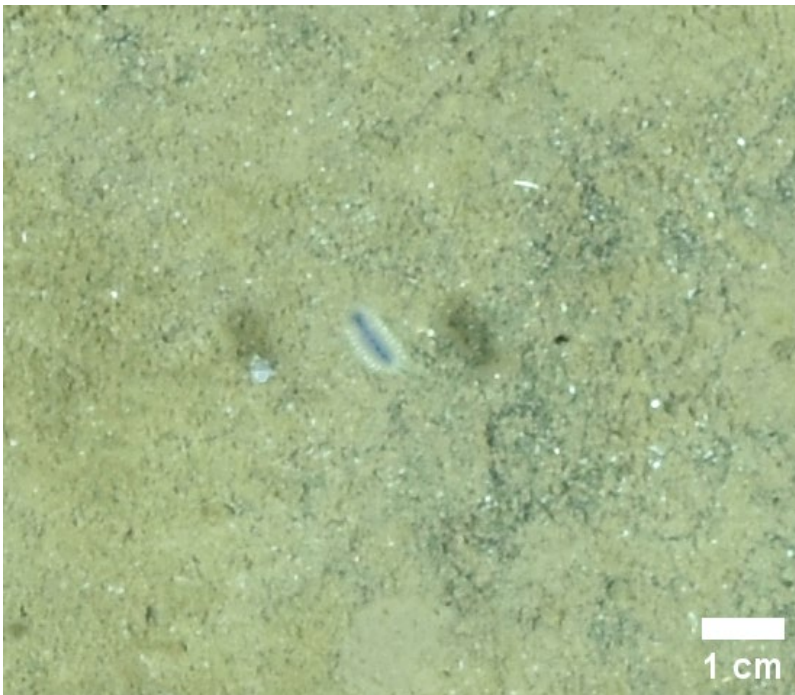


Polynoidae sp. 1

Annelida (Phylum) > Polychaeta (Class) > Errantia (Subclass) > Phyllodocida (Order) > Aphroditiformia (Suborder) > Polynoidae sp. 1 (Family)

Image information:

Dive 9 – Cadamosto
Depth: 1500m



Polynoidae 2

Annelida (Phylum) > Polychaeta (Class) > Errantia (Subclass) > Phyllodocida (Order) > Aphroditiformia (Suborder) > Polynoidae 2 (Family)

Image information:

Dive 12 – Fogo
Depth: 3508 m



Acrocirridae sp. 1

Annelida (Phylum) > Polychaeta (Class) > Sedentaria (Subclass) Canalipalpata (Infraclass) > Terebellida (Order) > Cirratuliformia (Suborder) > Acrocirridae sp. 1 (Family)

Image information:

Dive 11 – Cadamosto / Brava
Depth: 3431 m



Acrocirridae sp. 2

Annelida (Phylum) > Polychaeta (Class) > Sedentaria (Subclass) Canalipalpata (Infraclass) > Terebellida (Order) > Cirratuliformia (Suborder) > Acrocirridae sp. 2 (Family)

Image information:

Dive 11 – Cadamosto / Brava
Depth: 3436 m

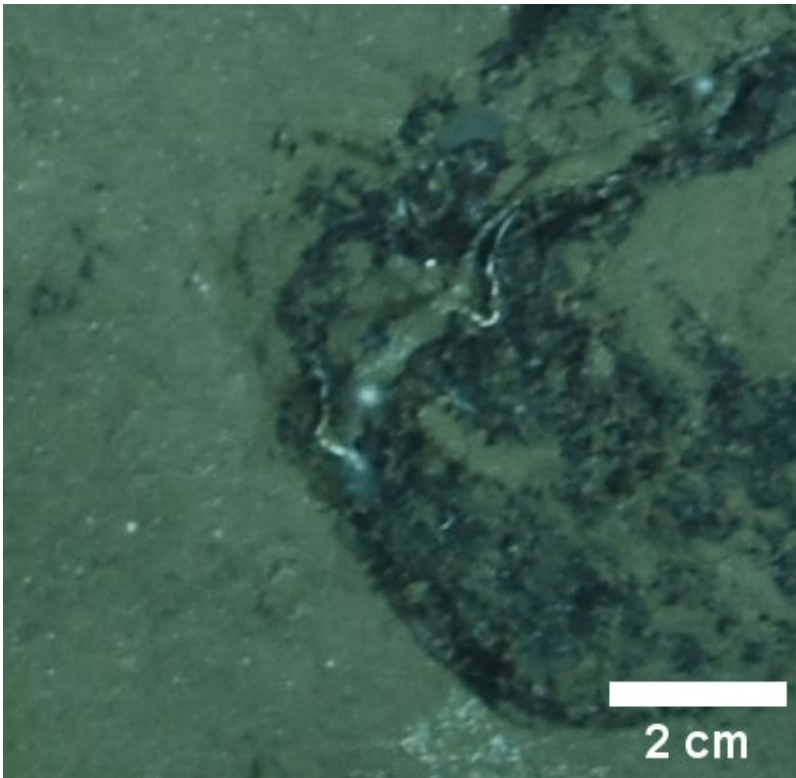
Sabellidae

Annelida (Phylum) > Polychaeta (Class) > Sedentaria (Subclass) > Canalipalpata (Infraclass) > Sabellida (Order) > Sabellidae (Family)

Image information:

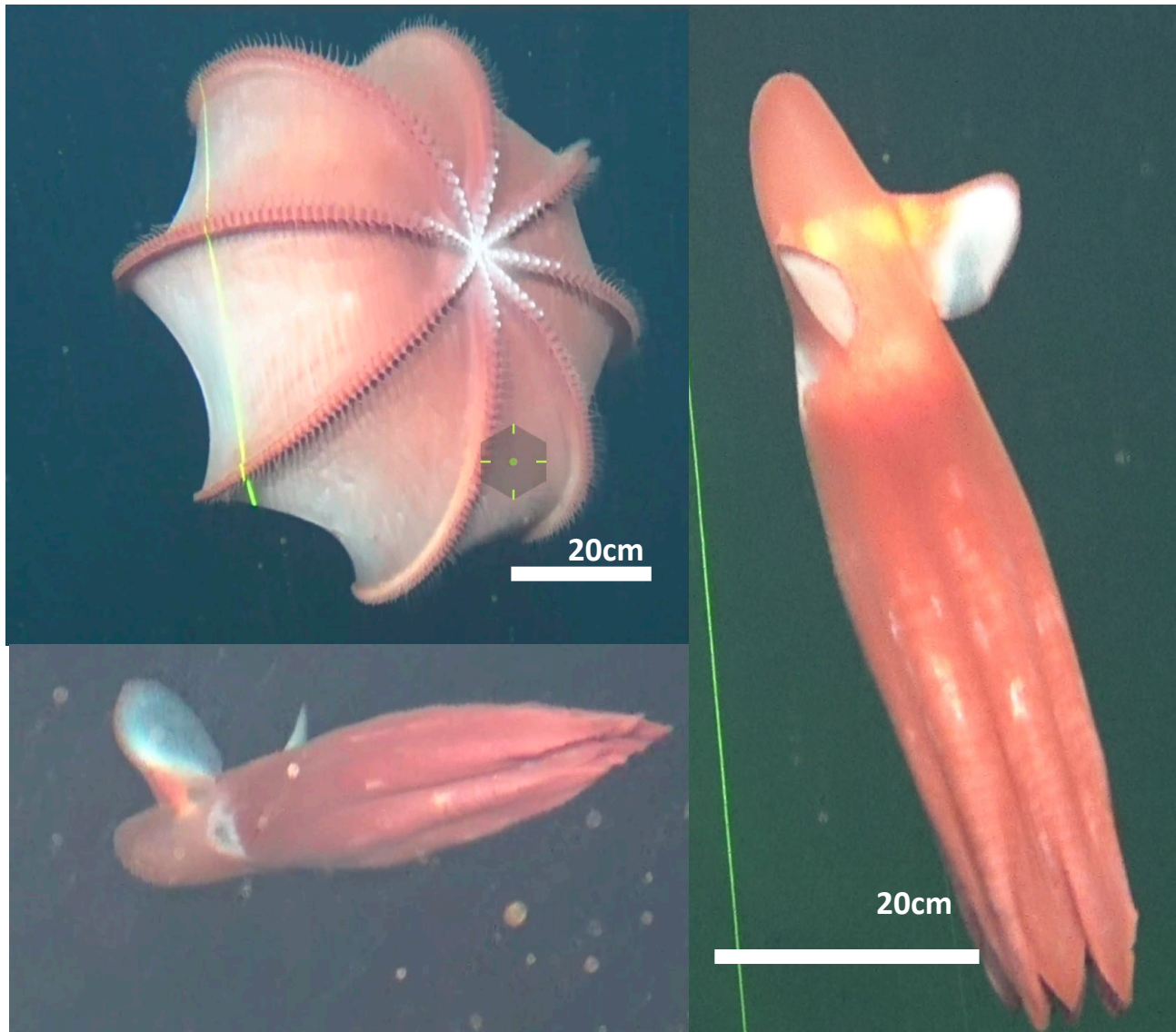
Dive 12 – Fogo

Depth: 3514 m



Mollusca

Cephalopoda



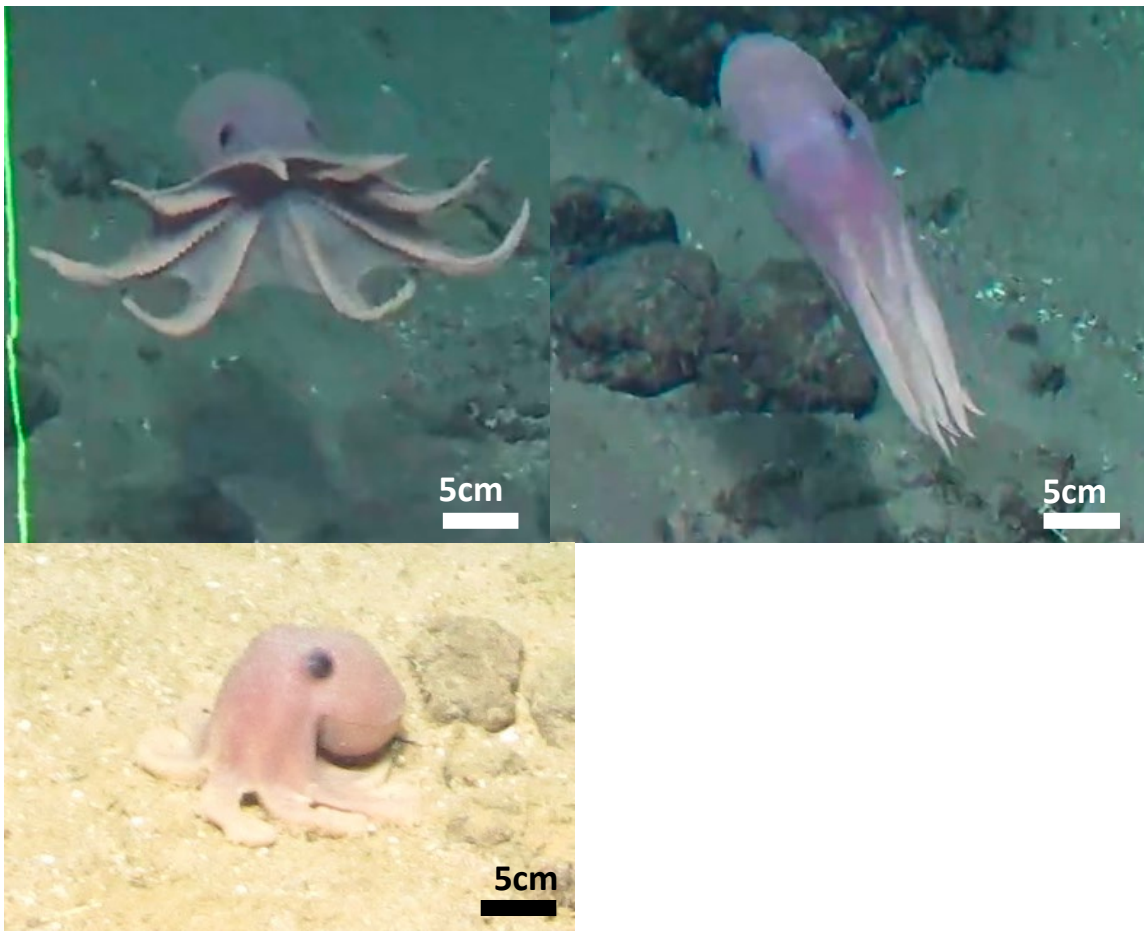
Cirrothauma murrayi

Mollusca (Phylum) > Cephalopoda (Class) > Coleoidea (Subclass) > Octopodiformes (Superorder) > Octopoda (Order) > Cirrata (Suborder) > Cirroteuthidae (Family) > Cirrothauma (Genus) > *Cirrothauma murrayi* (Species)

Image information:

Dive 10 – Brava

Depth: 1915m



Bathypolypodidae sp.

Mollusca (Phylum) > Cephalopoda (Class) > Coleoidea (Subclass) > Octopodiformes (Superorder) > Octopoda (Order) > Incirrata (Suborder) > Octopodoidea (Superfamily) > Bathypolypodidae sp. (Family)

Image information:

Dive 9 – Cadamosto seamount

Depth: 1740m



Cirrata 1

Mollusca (Phylum) > Cephalopoda (Class) > Coleoidea (Subclass) > Octopodiformes (Superorder) > Octopoda (Order) > Cirrata 1 (Suborder)

Image information:

Dive 1 – Fogo

Depth: 2070m



Octopoda 1

Mollusca (Phylum) > Cephalopoda (Class) > Coleoidea (Subclass) > Octopodiformes (Superorder) > Octopoda 1 (Order)

Image information:

Dive 5 – Cadamosto seamount

Depth: 1645m

Bryozoa

Cheilostomatida



Cheilostomatida spp.

Bryozoa (Phylum) > Cheilostomatida spp. (Order)

Note: Not included in the video analysis. Found colonizing fishing gear.

Gymnolaemata



Farciminariidae sp.

Bryozoa (Phylum) > Gymnolaemata (Class) > Cheilostomatida (Order) > Flustrina (Suborder) > Calloporoidea (Superfamily) > Farciminariidae sp. (Family)

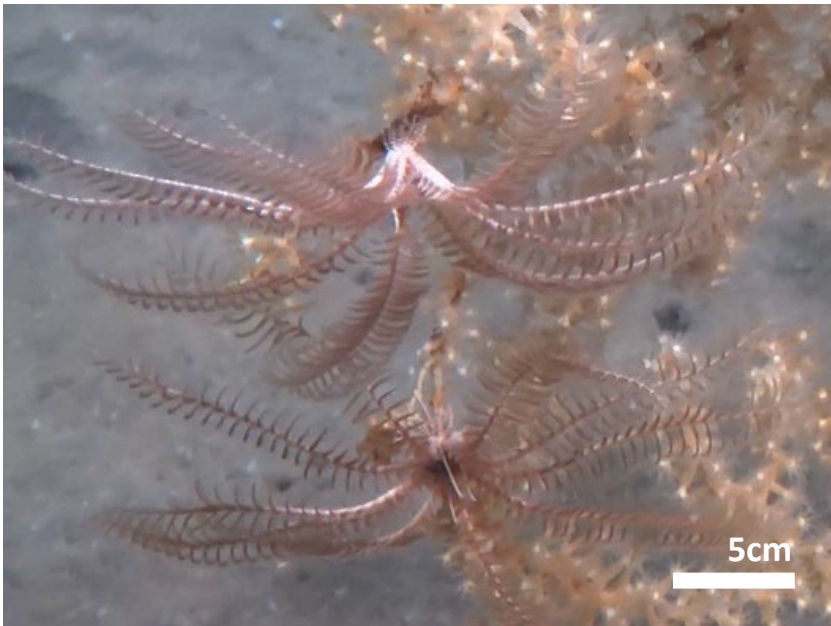
Image information:

Dive 11 – Cadamosto / Brava

Depth: 3431 m

Echinodermata

Crinoidea



Comatulida

Echinodermata (Phylum) >
Crinozoa (Subphylum) >
Crinoidea (Class) > Articulata (Subclass)
>Comatulida (Order)

Image information:

Dive 1 - Fogo
Depth: 1885m



Hyocrinidae sp.

Echinodermata (Phylum) > Crinozoa (Subphylum) >
Crinoidea (Class) > Articulata (Subclass) >
Hyocrinida (Order) > Hyocrinidae sp. (Family)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1990m



Bathycrinidae sp.

Echinodermata (Phylum) > Crinozoa (Subphylum) > Crinoidea (Class) > Articulata (Subclass) > Comatulida (Order) > Bourgueticrinina (Suborder) > Bathycrinidae sp. (Family)

Image information:

Dive 12 – Fogo
Depth: 3504 m

Astroidea



Pterasteridae sp.

Echinodermata (Phylum) > Asterozoa (Subphylum) > Astroidea (Class) > Velatida (Order) > Pterasteridae sp. (Family)

Image information:

Dive 6 – Cadamosto seamount

Depth: 1800m



***Freyastera* sp .**

Echinodermata (Phylum) > Asterozoa (Subphylum) > Asteroidea (Class) > Ambuloasteroidea (Subclass) > Neoasteroidea (Infraclass) > Forcipulatacea (Superorder) > Brisingida (Order) > Freyellidae > (Family) > *Freyastera* sp. (Genus)

Image information:

Dive 1 – Fogo
Depth: 1950m



***Freyellidae* sp. 1**

(5 arms)

Echinodermata (Phylum) > Asterozoa (Subphylum) > Asteroidea (Class) > Ambuloasteroidea (Subclass) > Neoasteroidea (Infraclass) > Forcipulatacea (Superorder) > Brisingida (Order) > *Freyellidae* sp. 1 (Family)

Image information:

Dive 12 – Fogo
Depth: 3515 m



Brisingida 2

Echinodermata (Phylum) >
Asterozoa (Subphylum) > Asteroidea (Class) >
Brisingida 2 (Order)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1820m

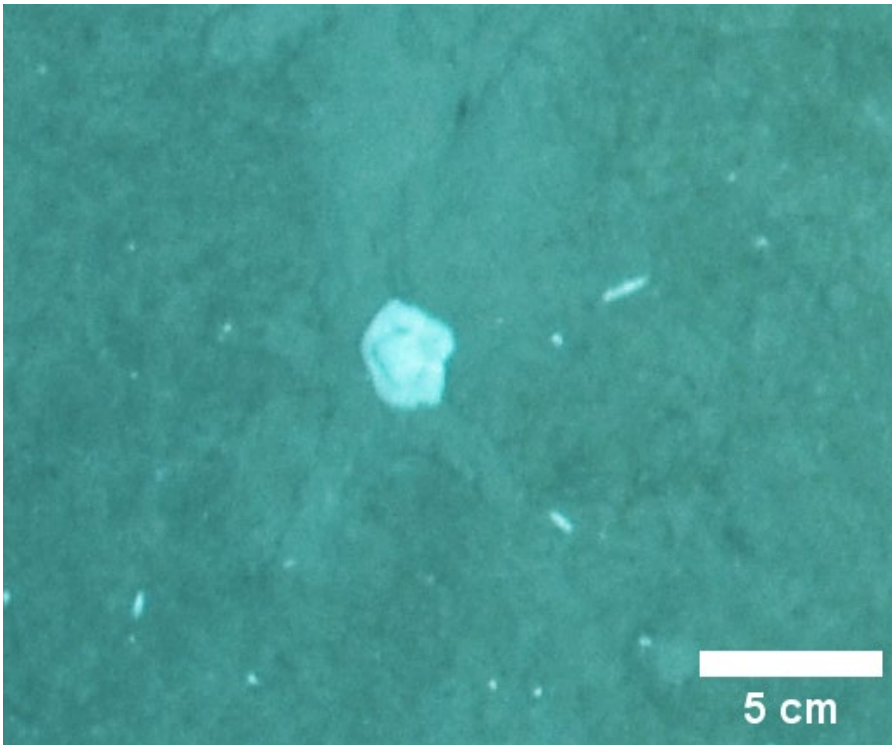


Brisingida 3

Echinodermata (Phylum) >
Asterozoa (Subphylum) > Asteroidea (Class) >
Brisingida 3 (Order)

Image information:

Dive 5 – Cadamosto seamount
Depth: 1825m



Paxillosida 1

Echinodermata (Phylum) >
Asterozoa (Subphylum) Asteroidea
(Class) > Ambuloasteroidea
(Subclass) > Neoasteroidea
(Infraclass) > Valvatacea
(Superorder) > Paxillosida 1 (Order)

Image information:

Dive 11 – Cadamosto / Brava

Depth: 3430 m



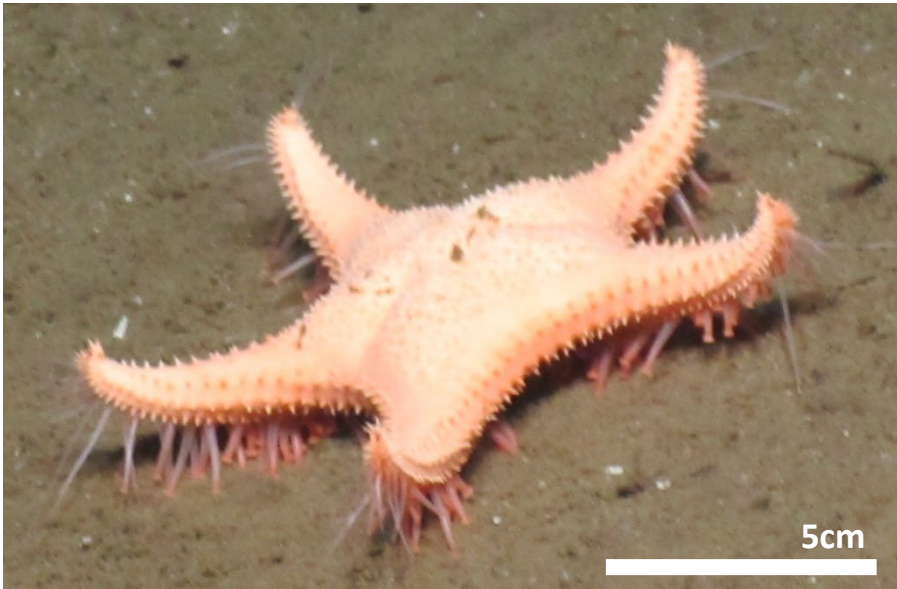
Paxillosida 2

Echinodermata (Phylum) >
Asterozoa (Subphylum) Asteroidea
(Class) > Ambuloasteroidea
(Subclass) > Neoasteroidea
(Infraclass) > Valvatacea
(Superorder) > Paxillosida 2 (Order)

Image information:

Dive 11 – Cadamosto / Brava

Depth: 3441 m



***Calliaster* sp.**

Echinodermata (Phylum) >
Asterozoa (Subphylum) >
Asteroidea (Class) >
Valvatacea (Superorder) >
Valvatida (Order) >
Goniasteridae (Family) > *Calliaster*
sp. (Genus)

Image information:

Dive 1 – Fogo
Depth: 2005m



***Ceramaster* sp.**

Echinodermata (Phylum) >
Asterozoa (Subphylum) > Asteroidea
(Class) > Valvatacea (Superorder) >
Valvatida (Order) > Goniasteridae (Family)
> *Ceramaster* sp. (Genus)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1440m



Asteroidea 1

Echinodermata (Phylum) > Asterozoa (Subphylum) > Asteroidea 1 (Class)

Image information:

Dive 1 – Fogo
Depth: 1910m



Asteroidea 2

Echinodermata (Phylum) > Asterozoa (Subphylum) > Asteroidea 2 (Class)

Image information:

Dive 4 – Fogo
Depth: 1890m



Asteroidea 3

Echinodermata (Phylum) > Asterozoa (Subphylum) > Asteroidea 3 (Class)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1620m



Asteroidea 5

Echinodermata (Phylum) > Asterozoa (Subphylum) > Asteroidea 5 (Class)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1720m



Asteroidea 6

Echinodermata (Phylum) > Asterozoa (Subphylum) > Asteroidea 6 (Class)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1590m



Asteroidea 7

Echinodermata (Phylum) >
Asterozoa (Subphylum) > Asteroidea 7 (Class)

Image information:

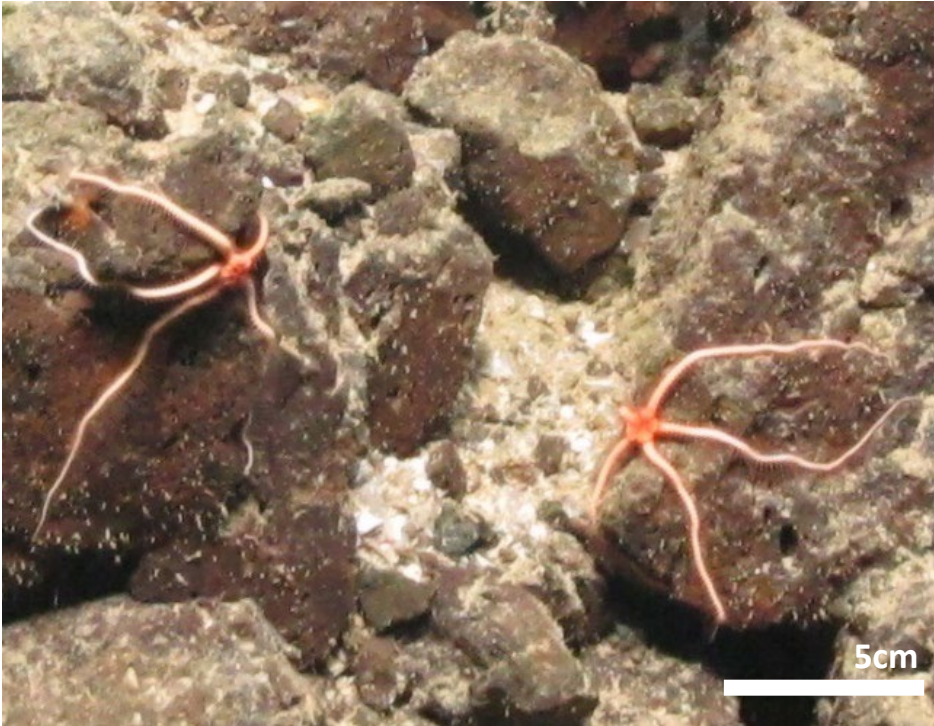
Dive 4 – Fogo
Depth: 1870m



Asteroidea 8

Echinodermata (Phylum) >
Asterozoa (Subphylum) > Asteroidea 8 (Class)

Ophiuroidea

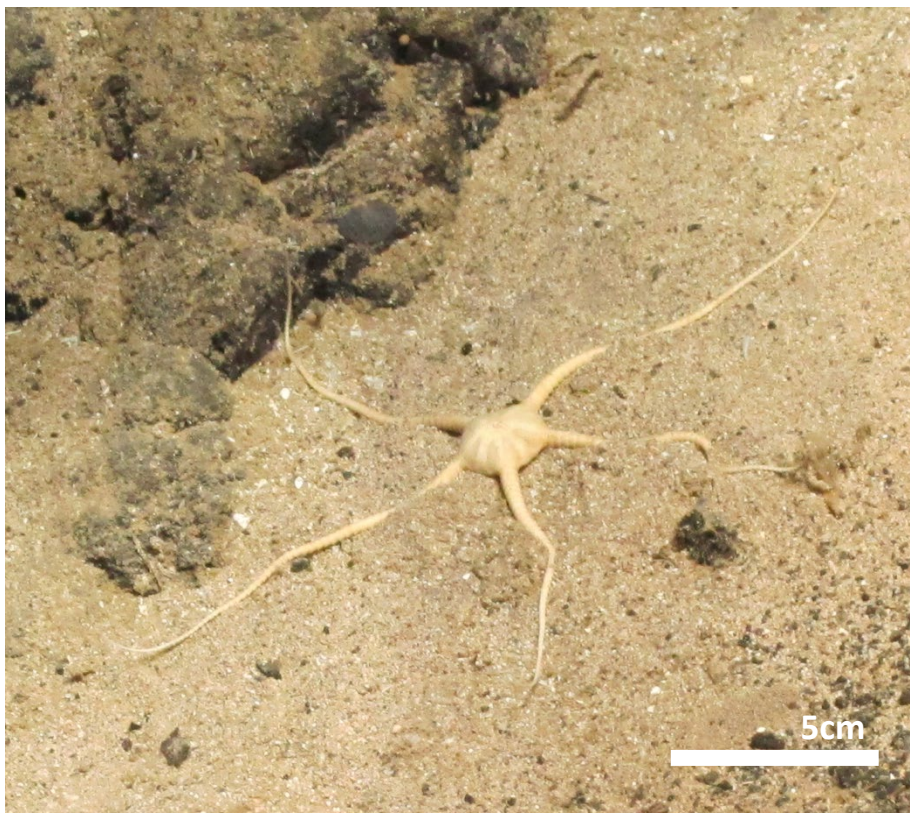


***Ophiothrix* spp.**

Echinodermata (Phylum) >
Asterozoa (Subphylum) >
Ophiuroidea (Class) >
Myophiuroidea Subclass) >
Metophiurida (Infraclass) >
Ophintegrida (Superorder) >
Amphilepidida (Order) >
Gnathophiurina (Suborder) >
Ophiactoidea (Superfamily) >
Ophiotrichidae (Family) >
Ophiothrix spp. (Genus)

Image information:

Dive 6 – Cadamosto seamount
Depth: 2000m

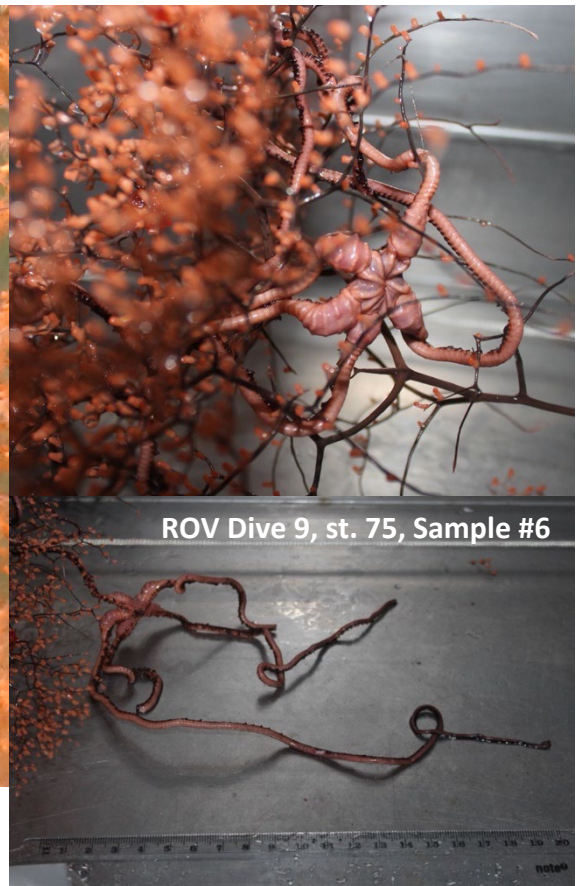
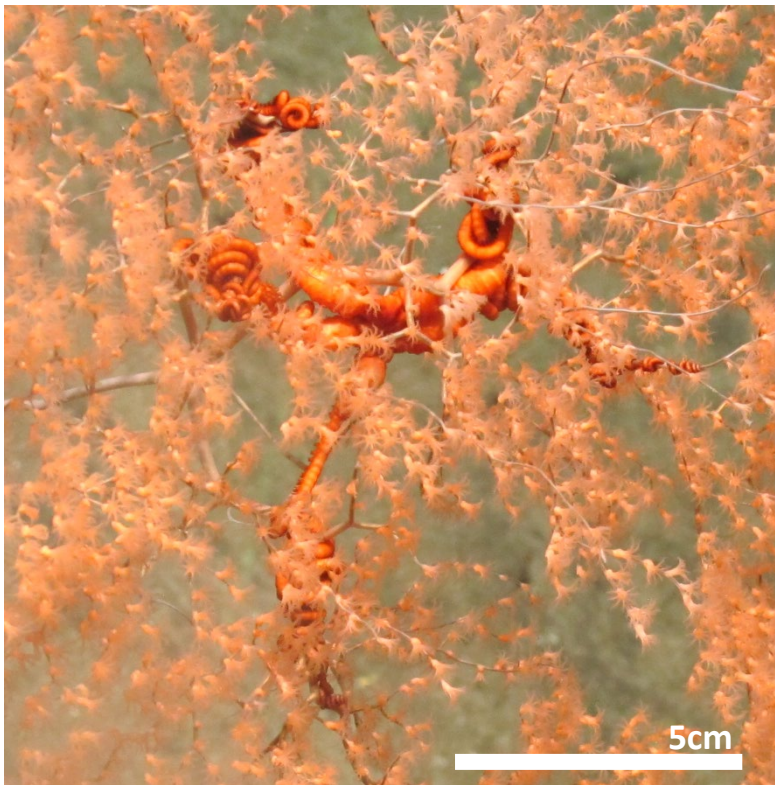


***Ophiomusium* spp.**

Echinodermata (Phylum) >
Asterozoa (Subphylum) >
Ophiuroidea (Class) >
Myophiuroidea Subclass) >
Metophiurida (Infraclass) >
Euryophiurida (Superorder) >
Ophiurida (Order) > Ophiomusina
(Suborder) > Ophiosphalmidae
(Family) > *Ophiomusium* spp.
(Genus)

Image information:

Dive 3 – Cadamosto seamount
Depth: 2020m



Ophiocreas oedipus?

Echinodermata (Phylum) > Asterozoa (Subphylum) > Ophiuroidea (Class) > Myophiuroida (Subclass)
Metophiurida (Infraclass) > Euryophiurida (Superorder) > Euryalida (Order) > Euryalidae (Family) >
Ophiocreas (Genus) > *Ophiocreas oedipus?* (Species)

Image information:

Dive 1 – Fogo
Depth: 1990m



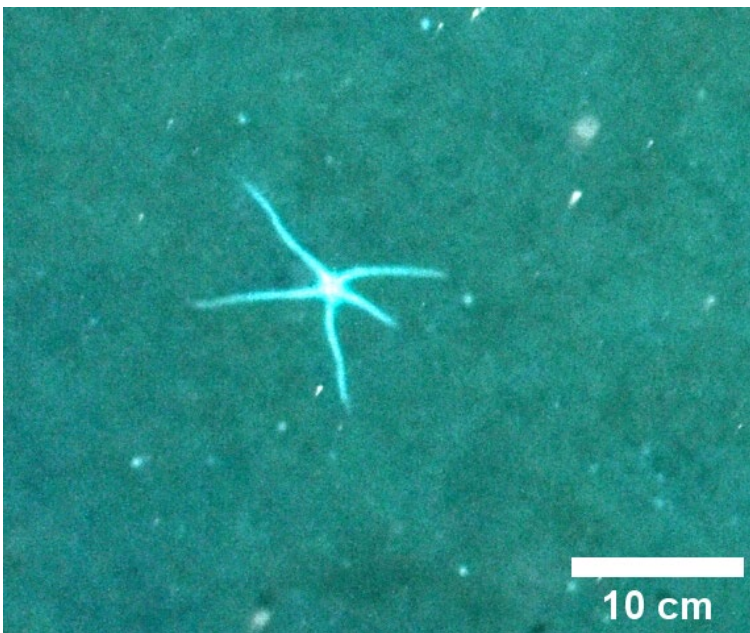
Ophiuroidea 1

Echinodermata (Phylum) > Asterozoa
(Subphylum) > Ophiuroidea 1 (Class)

Image information:

Dive 11 – Cadamosto / Brava

Depth: 3431 m



Ophiuroidea 2

Echinodermata (Phylum) > Asterozoa
(Subphylum) > Ophiuroidea 3 (Class)

Image information:

Dive 12 – Fogo

Depth: 3508 m



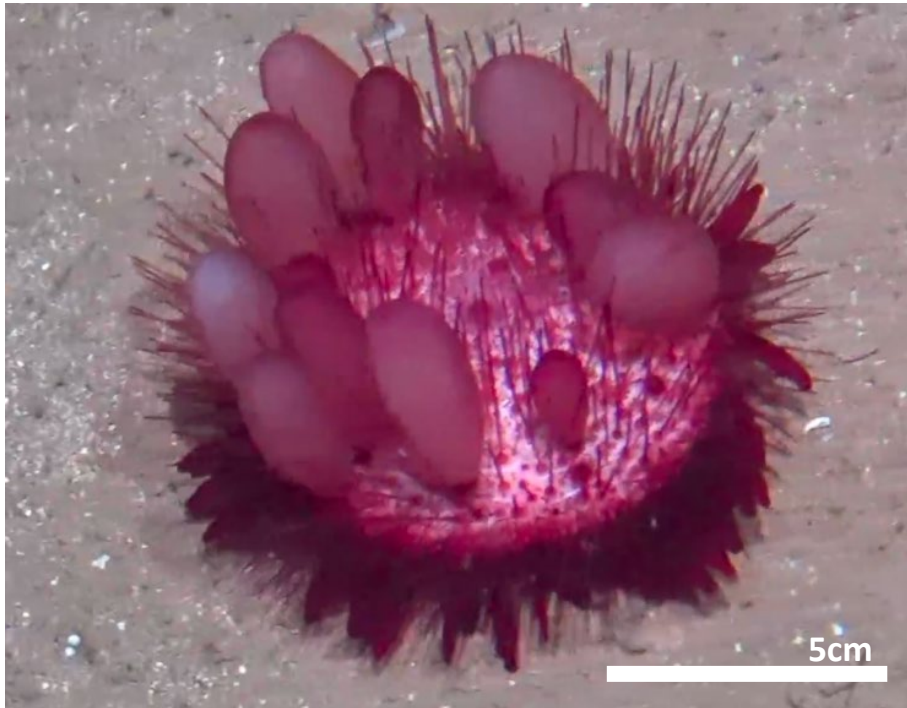
Ophiuroidea (in Pleuxauridae)

Echinodermata (Phylum) >
Asterozoa (Subphylum) > Ophiuroidea
(in Pleuxauridae) (Class)

Image information:

Dive 1 – Fogo
Depth: 1990m

Echinoidea



***Phormosoma* sp.**

Echinodermata (Phylum) >
Echinoidea (Class) > Euechinoidea
(Subclass) > Echinothurioida
(Order) > Phormosomatidae
(Family) > *Phormosoma* sp.
(Genus)

Image information:

Dive 10 – Brava
Depth: 1900m



***Araeosoma* sp.**

Echinodermata (Phylum) >
Echinoidea (Class) > Euechinoidea
(Subclass) > Echinothurioida
(Order) > Echinothuriidae (Family)
> Echinothuriinae (Subfamily) >
Araeosoma sp. (Genus)

Image information:

Dive 6 – Cadamosto seamount
Depth: 1910m



Echinothuriidae sp. 1

Echinodermata (Phylum) > Echinoidea (Class) > Euechinoidea (Subclass) > Echinothurioida (Order) > Echinothuriidae sp. 1 (Family)

Image information:

Dive 9 – Cadamosto seamount

Depth: 1730m



Echinothuriidae sp. 2

Echinodermata (Phylum) > Echinoidea (Class) > Euechinoidea (Subclass) > Echinothurioida (Order) > Echinothuriidae sp. 2 (Family)

Image information:

Dive 11 – Cadamosto / Brava

Depth: 3441 m



Cidaridae spp. 1

Echinodermata (Phylum) >
Echinoidea (Class) > Cidaroida
(Subclass) > Cidaroida (Order) >
Cidaroida (Superfamily) >
Cidaridae spp. 1 (Family)

Image information:

Dive 1 – Fogo
Depth: 2010m

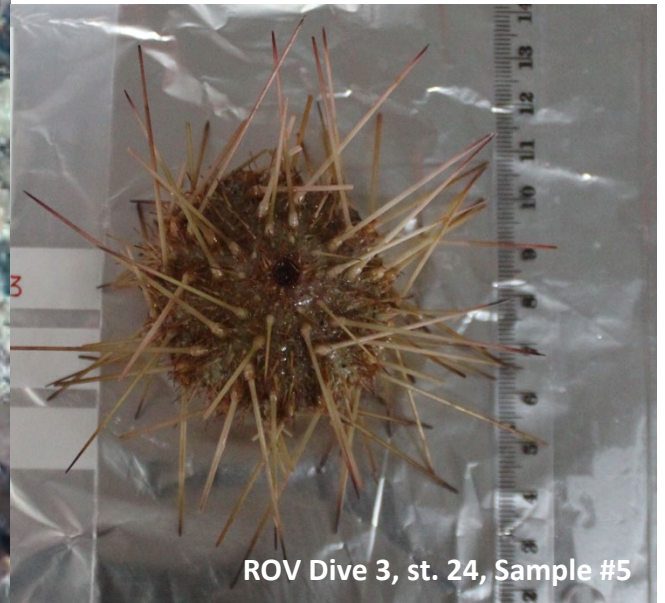


Cidaridae spp. 2

Echinodermata (Phylum) > Echinoidea (Class)
> Cidaroida (Subclass) > Cidaroida (Order) >
Cidaroida (Superfamily) > Cidaridae spp. 2
(Family)

Image information:

Dive 3 – Cadamosto seamount
Depth: 2020m



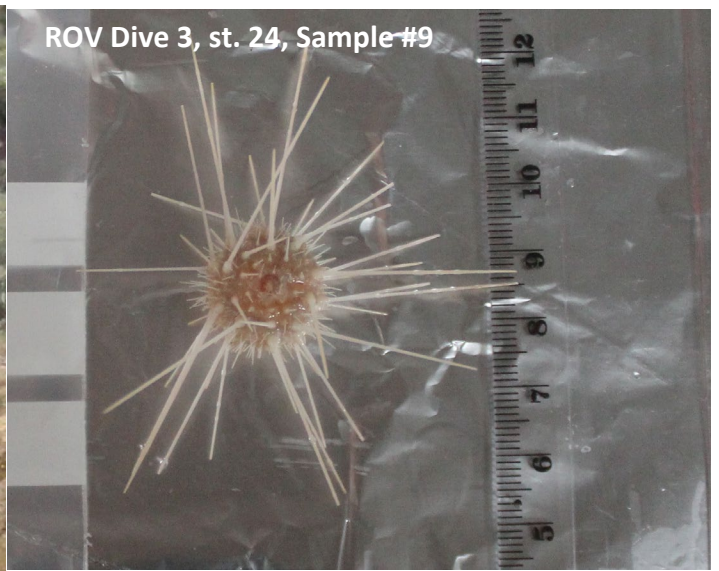
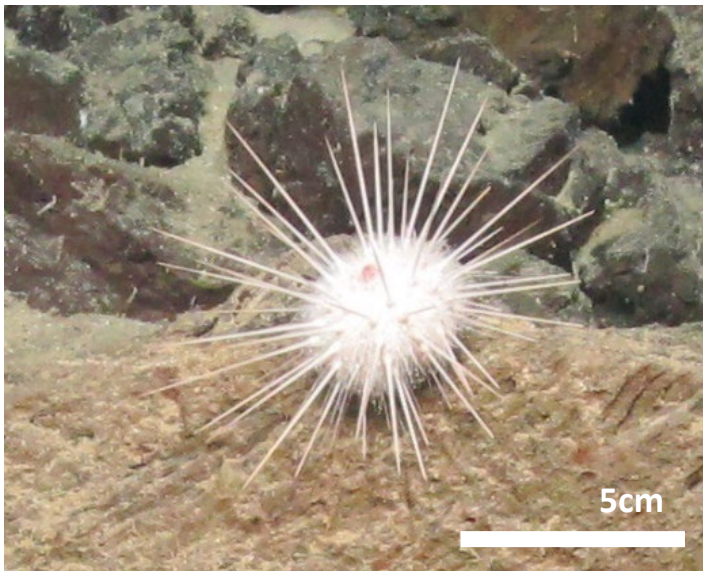
Gracilechinus elegans

Echinodermata (Phylum) > Echinoidea (Class) > Euechinoidea (Subclass) > Camarodonta (Order) > Echinidae (Family) > Gracilechinus (Genus) > *Gracilechinus elegans* (Species)

Image information:

Dive 3 – Cadamosto seamount

Depth: 2025m



Echinidae spp.

Echinodermata (Phylum) > Echinoidea (Class) > Euechinoidea (Subclass) > Camarodonta (Order) > Echinidae spp. (Family)

Image information:

Dive 3 – Cadamosto seamount

Depth: 2000m

Holothuroidea



Enypniastes eximia

Echinodermata (Phylum) >
Echinozoa (Subphylum) >
Holothuroidea (Class) >
Actinopoda (Subclass) > Elasipodida (Order)
> Pelagothuriidae (Family) >
Enypniastes (Genus) > *Enypniastes eximia* (Species)

Images information:

Dive 1 – Fogo

Depth: 1925m

Dive 12 – Fogo

Depth: 3510 m



Benthodytes abyssicola

Echinodermata (Phylum) > Echinozoa (Subphylum) > Holothuroidea (Class) > Actinopoda (Subclass) > Elasipodida (Order) > Psychropotidae (Family) > *Benthodytes abyssicola* (Genus)

Image information:

Dive 4 – Fogo

Depth: 1820m

***Mesothuria* sp**

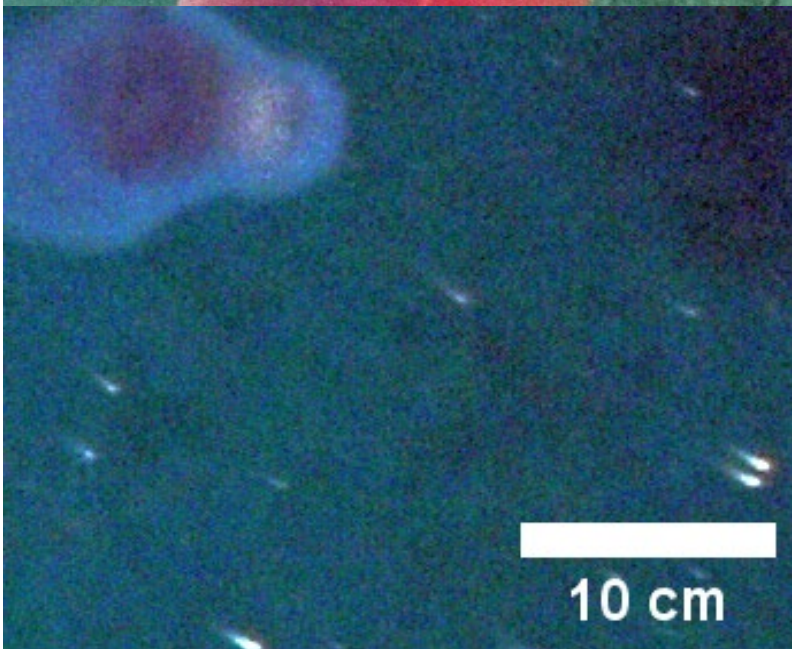
Echinodermata (Phylum) > Echinozoa (Subphylum) > Holothuroidea (Class) > Actinopoda (Subclass) > Holothuriida (Order) > Mesothuriidae (Family) > *Mesothuria* sp (Genus)

Image information:

Dive 12 – Fogo

Depth: 3510 m





Peniagone leander

Echinodermata (Phylum) > Echinozoa (Subphylum) > Holothuroidea (Class) > Actinopoda (Subclass) > Elasipodida (Order) > Elpidiidae (Family) > Peniagone (Genus) > *Peniagone leander* (Species)

Image information:

Dive 12 – Fogo

Depth: 3514 m



***Amperima* sp.**

Echinodermata (Phylum) >

Echinozoa (Subphylum) >

Holothuroidea (Class) > Actinopoda (Subclass) > Elasipodida (Order) > Elpidiidae (Family) > *Amperima* sp.
(Genus)

Images information:

Dive 1 – Fogo

Depth: 2090m

Dive 12 – Fogo

Depth: 3511 m



***Peniagone* sp.**

Echinodermata (Phylum) > Echinozoa (Subphylum) > Holothuroidea (Class) > Actinopoda (Subclass) > Elasipodida (Order) > Elpidiidae (Family) > *Peniagone* sp. (Genus)

Images information:

Dive 1 – Fogo
Depth: 2090m



Elpidiidae spp.

Echinodermata (Phylum) >
Echinozoa (Subphylum) >
Holothuroidea (Class) >
Actinopoda (Subclass) >
Elasipodida (Order) > Elpidiidae
spp.(Family)

Image information:

Dive 6 – Cadamosto
Depth: 1985m

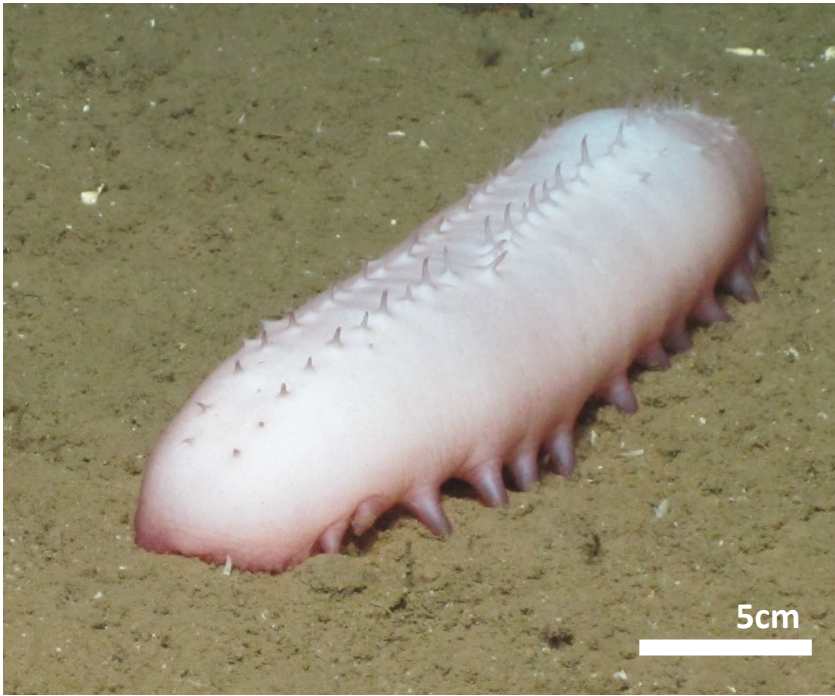


***Synallactes* sp.**

Echinodermata (Phylum) >
Echinozoa (Subphylum) >
Holothuroidea (Class) > Actinopoda (Subclass)
> Synallactida (Order) > Synallactidae (Family)
> *Synallactes* sp. (Genus)

Image information:

Dive 4 – Fogo
Depth: 1820m



Laetmogonidae sp.

Echinodermata (Phylum) >
Echinozoa (Subphylum) >
Holothuroidea (Class) >
Actinopoda (Subclass) >
Elasipodida (Order) > Laetmogonidae sp.
(Family)

Image information:

Dive 1 – Fogo
Depth: 1895m



Psolidae sp.

Echinodermata (Phylum) >
Echinozoa (Subphylum) >
Holothuroidea (Class) > Actinopoda (Subclass)
> Dendrochirotida (Order) > Psolidae sp.
(Family)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1590m



Holothuroidea 1

Echinodermata (Phylum) >
Echinozoa (Subphylum) > Holothuroidea 1 (Class)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1990m



Holothuroidea 2

Echinodermata (Phylum) >
Echinozoa (Subphylum) >
Holothuroidea 2 (Class)

Image information:

Dive 3 – Cadamosto seamount
Depth: 1920m



Holothuroidea 3

Echinodermata (Phylum) >

Echinozoa (Subphylum) > Holothuroidea 3
(Class)

Image information:

Dive 9 – Cadamosto seamount

Depth: 1905m



Holothuroidea 4

Echinodermata (Phylum) >

Echinozoa (Subphylum) > Holothuroidea 4
(Class)

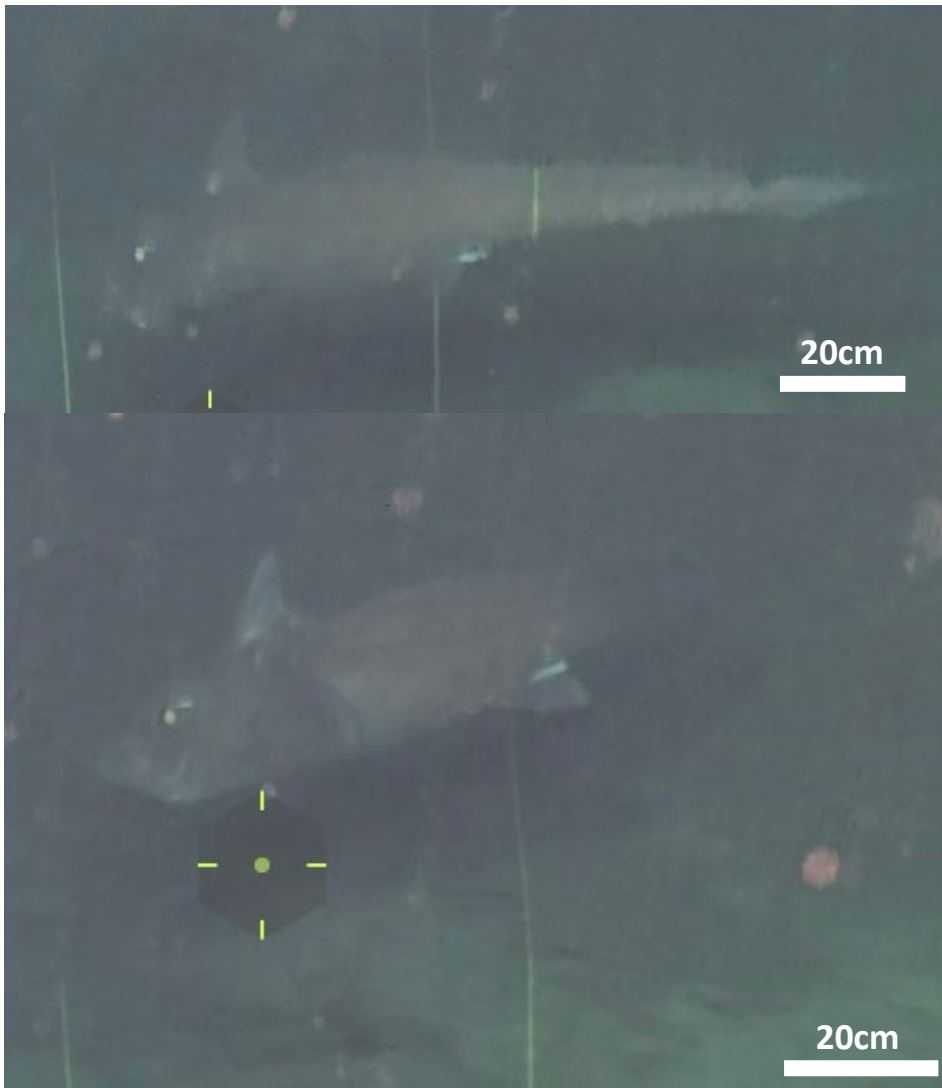
Image information:

Dive 9 – Cadamosto seamount

Depth: 1510m

Chordata

Chimaeriformes



***Hydrolagus* sp.**

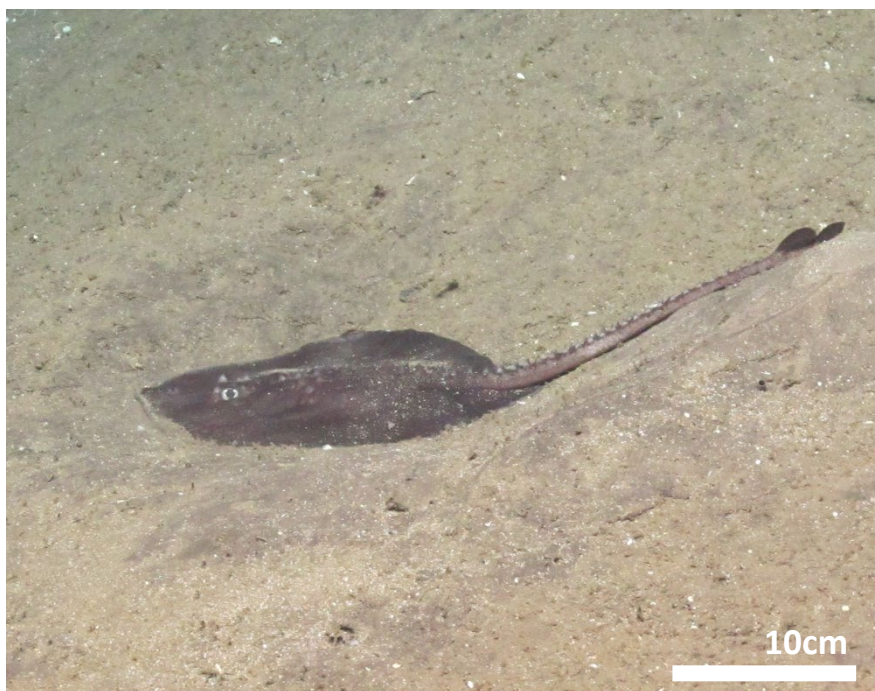
Chordata (Phylum) > Vertebrata (Subphylum) > Gnathostomata (Infraphylum) > Chondrichthyes (Parvphylum) > Holocephali (Class) > Chimaeriformes (Order) > Chimaeridae (Family) > *Hydrolagus* sp. (Genus)

Image information:

Dive 1 – Fogo

Depth: 2100m

Elasmobranchii



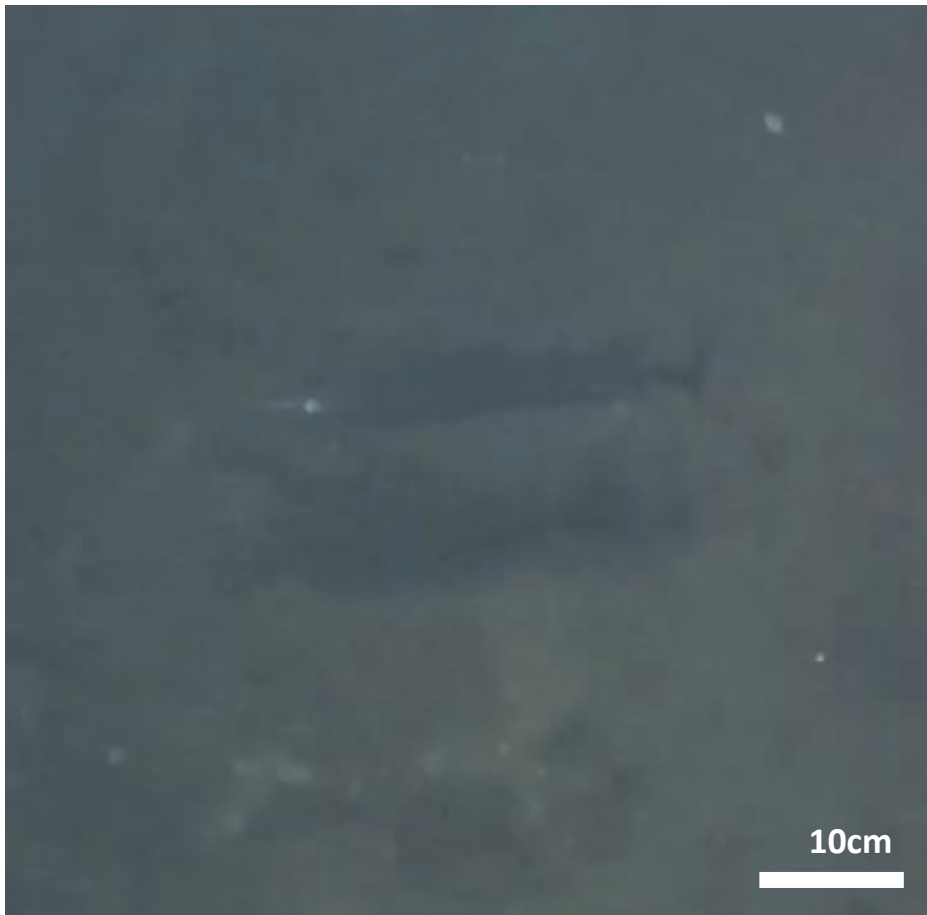
***Bathyraja* sp.**

Chordata (Phylum) > Vertebrata (Subphylum) > Gnathostomata (Infraphylum) >
Chondrichthyes (Parvphylum) > Elasmobranchii (Class) > Neoselachii (Subclass) > Batoidea (Infraclass) >
Rajiformes (Order) > Arhynchobatidae (Family) > *Bathyraja* sp. (Genus)

Image information:

Dive 4 – Fogo

Depth: 1705m



***Deania* sp.**

Chordata (Phylum) > Vertebrata (Subphylum) > Gnathostomata (Infraphylum) >
Chondrichthyes (Parvphylum) > Elasmobranchii (Class) > Neoselachii (Subclass) > Selachii (Infraclass) >
Squalomorphi (Superorder) > Squaliformes (Order) > Centrophoridae (Family) > *Deania* sp. (Genus)

Image information:

Dive 3 – Cadamosto seamount

Depth: 1425m



Elasmobranchii 1

Chordata (Phylum) > Vertebrata (Subphylum) > Gnathostomata (Infraphylum) > Chondrichthyes (Parvphylum) > Elasmobranchii 1 (Class)

Image information:

Dive 10 – Brava

Depth: 1820m

Actinopteri

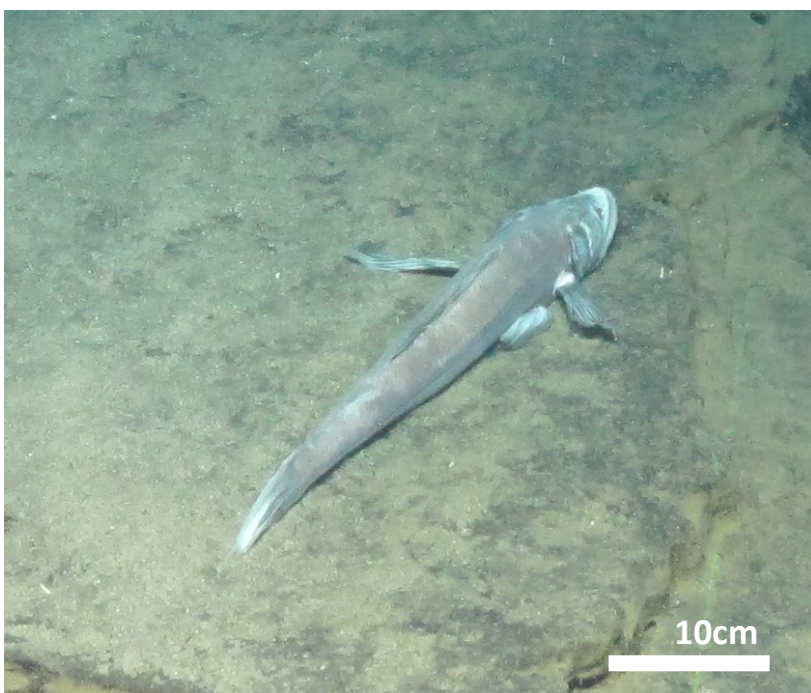


Bathypterois atricolor

Chordata (Phylum) >
Vertebrata (Subphylum) >
Osteichthyes (Parvphylum) >
Actinopterygii (Gigaclass) >
Actinopteri (Class) >
Teleostei (Subclass) >
Aulopiformes (Order) >
Ipnopidae (Family) >
Bathypterois atricolor
(Genus)

Image information:

Dive 1 – Fogo
Depth: 2100m

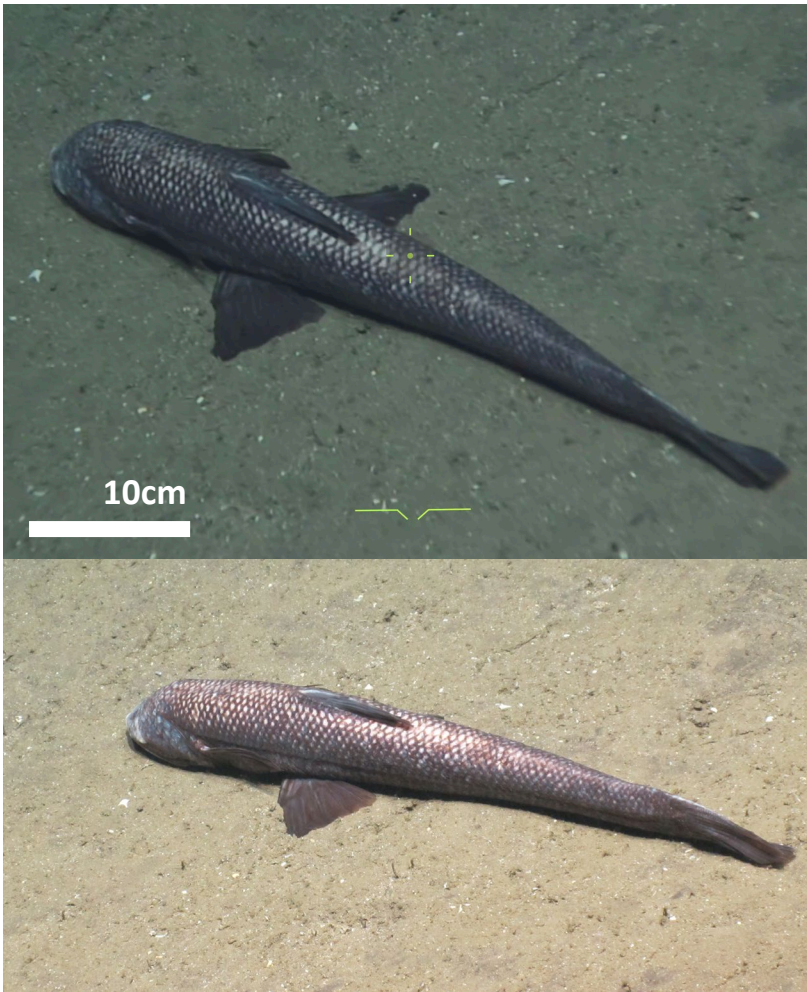


Bathysaurus ferox

Chordata (Phylum) >
Vertebrata (Subphylum) >
Osteichthyes (Parvphylum) >
Actinopterygii (Gigaclass) >
Actinopteri (Class) > Teleostei (Subclass) >
Aulopiformes (Order) >
Bathysauridae (Family) >
Bathysaurus (Genus) > *Bathysaurus ferox*
(Species)

Image information:

Dive 4 – Fogo
Depth: 1910m



Bathytyphlops marionae

Chordata (Phylum) > Vertebrata (Subphylum) > Osteichthyes (Parvphylum) > Actinopterygii (Gigaclass) > Actinopteri (Class) > Teleostei (Subclass) > Aulopiformes (Order) > Ipnopidae (Family) > Bathytyphlops (Genus) > *Bathytyphlops marionae* (Species)

Image information:

Dive 4 – Fogo

Depth: 1775m



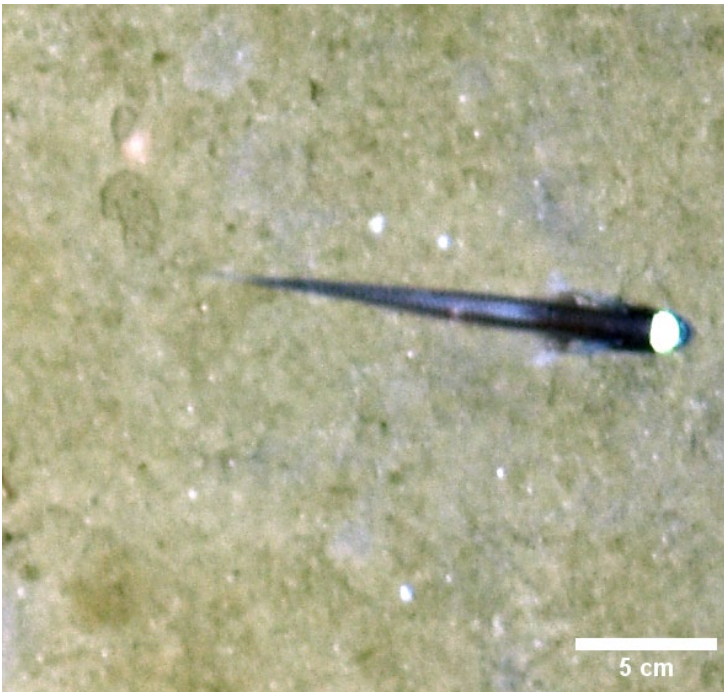
Bathytyphlops sewelli (sp. inc.)

Chordata (Phylum) > Osteichthyes (Parvphylum) > Actinopterygii (Gigaclass) > Actinopteri (Class) > Teleostei (Subclass) > Aulopiformes (Order) > Ipnopidae (Family) Bathytyphlops (Genus) > *Bathytyphlops sewelli* sp inc (Species)

Image information:

Dive 11 – Cadamosto / Brava

Depth: 3430 m



Ipnops meadi

Chordata (Phylum) > Osteichthyes (Parvphylum) > Actinopterygii (Gigaclass) > Actinopteri (Class) > Teleostei (Subclass) > Aulopiformes (Order) > Ipnopidae (Family) Ipnops (Genus) > *Ipnops meadi* (Species)

Image information:

Dive 12 – Fogo

Depth: 3508 m



***Chaunacops* sp.**

Chordata (Phylum) >
Vertebrata (Subphylum) >
Osteichthyes (Parvphylum) >
Actinopterygii (Gigaclass) >
Actinopteri (Class) > Teleostei (Subclass) >
Lophiiformes (Order) > Chaunacidae
(Family) > *Chaunacops* sp. (Genus)

Image information:

Dive 6 – Cadamosto seamount
Depth: 1795m



***Coryphaenoides* sp.**

Chordata (Phylum) > Vertebrata (Subphylum) >
Gnathostomata (Infraphylum) >
Osteichthyes (Parvphylum) >
Actinopterygii (Gigaclass) > Actinopteri (Class) >
Teleostei (Subclass) > Gadiformes (Order) >
Macrouridae (Family) > Macrourinae sp.
(Subfamily) > *Coryphaenoides* sp (Genus)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1480m



Halosauridae sp.

Chordata (Phylum) > Vertebrata (Subphylum) > Osteichthyes (Parvphylum) > Actinopterygii (Gigaclass) > Actinopteri (Class) > Teleostei (Subclass) > Notacanthiformes (Order) > Halosauridae sp. (Family)

Image information:

Dive 1 – Fogo

Depth: 2100m



Ogcocephalidae sp.

Chordata (Phylum) >
Vertebrata (Subphylum) >
Osteichthyes (Parvphylum) >
Actinopterygii (Gigaclass) >
Actinopteri (Class) > Teleostei (Subclass) >
Lophiiformes (Order) > Ogcocephalidae
sp. (Family)

Image information:

Dive 10 – Brava
Depth: 1900m

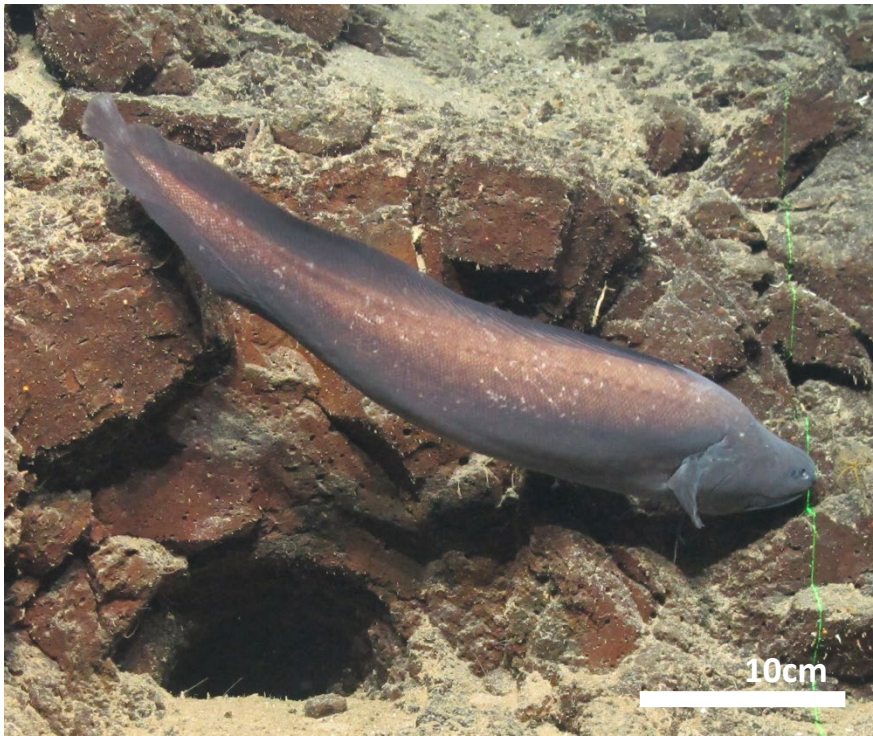


Ophidiidae sp.

Chordata (Phylum) >
Vertebrata (Subphylum) >
Osteichthyes (Parvphylum) >
Actinopterygii (Gigaclass) >
Actinopteri (Class) > Teleostei (Subclass) >
Ophidiiformes (Order) > Ophidiidae
sp. (Family)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1470m



Ophidiiformes 1

Chordata (Phylum) >
Vertebrata (Subphylum) >
Osteichthyes (Parvphylum) >
Actinopterygii (Gigaclass) >
Actinopteri (Class) > Teleostei
(Subclass) > Ophidiiformes 1 (Order)

Image information:

Dive 6 – Cadamosto seamount
Depth: 1780m



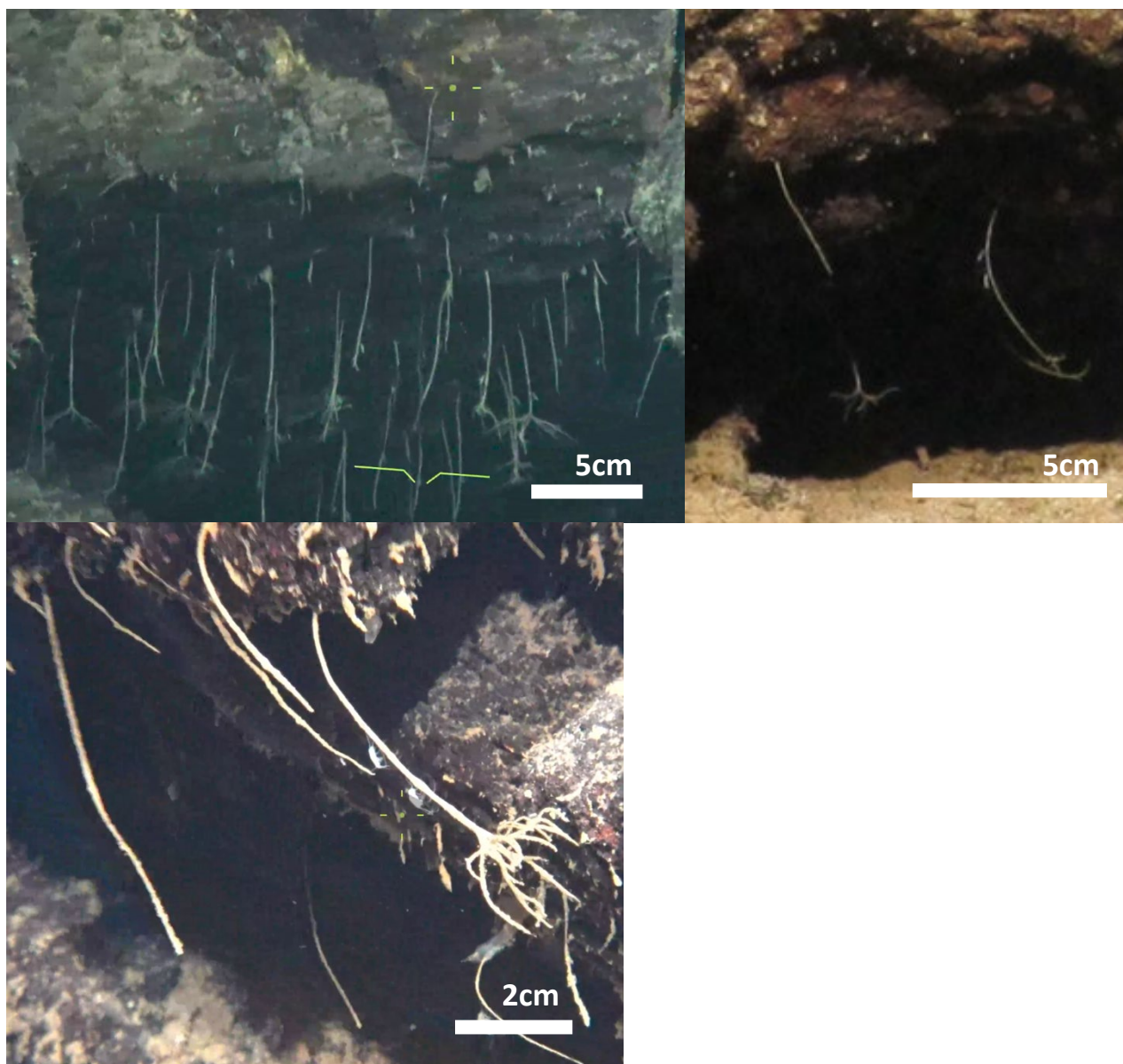
Ophidiiformes 2

Chordata (Phylum) >
Vertebrata (Subphylum) >
Osteichthyes (Parvphylum) >
Actinopterygii (Gigaclass) >
Actinopteri (Class) > Teleostei (Subclass)
> Ophidiiformes 2 (Order)

Image information:

Dive 9 – Cadamosto seamount
Depth: 1500m

Unknown



Unknown

Images information:

Dive 9 – Cadamosto seamount

Dive 10 – Brava

Depth: 1540m and 1850m

Other

Egg Cases

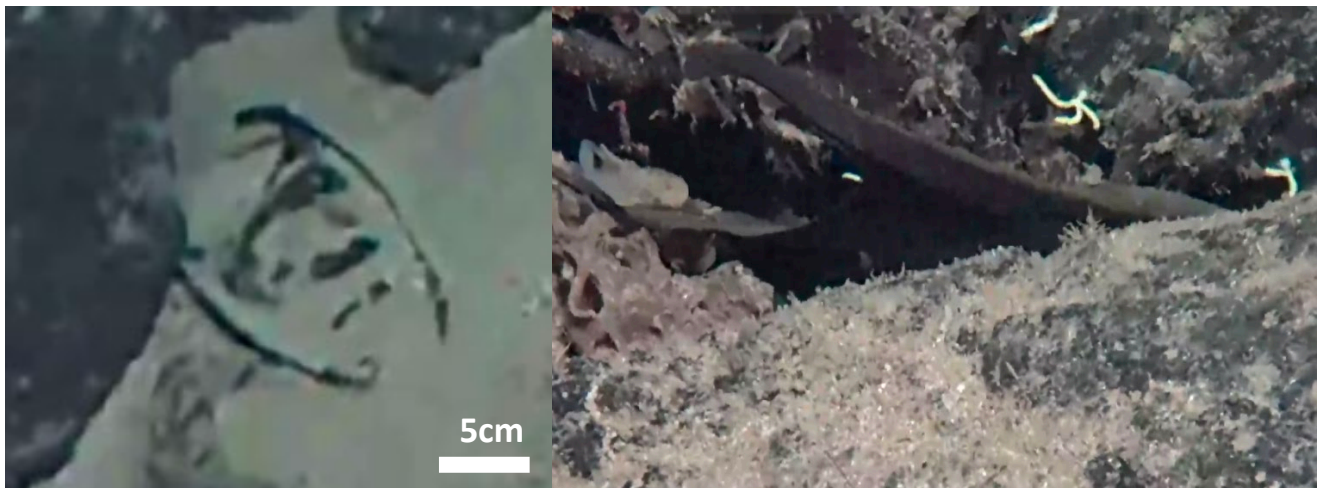


Egg Case 1

Images information:

Dive 9 – Cadamosto seamount

Depth: 1515m



Egg Case 2

Images information:

Dive 5 – Cadamosto seamount

Depth: 1800m

Coral Skeletons



Coral Skeleton

Image information:

Dive 7 – Cadamosto seamount

Depth: 1870m

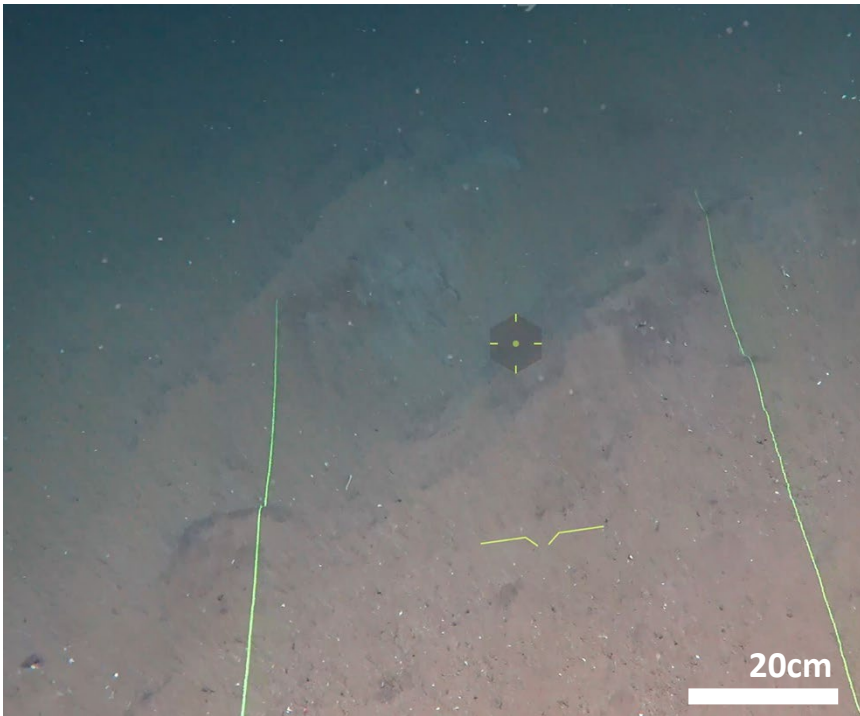
Lebensspuren

Burrow

Images information:

Dive 1 – Fogo

Depth: 2010m

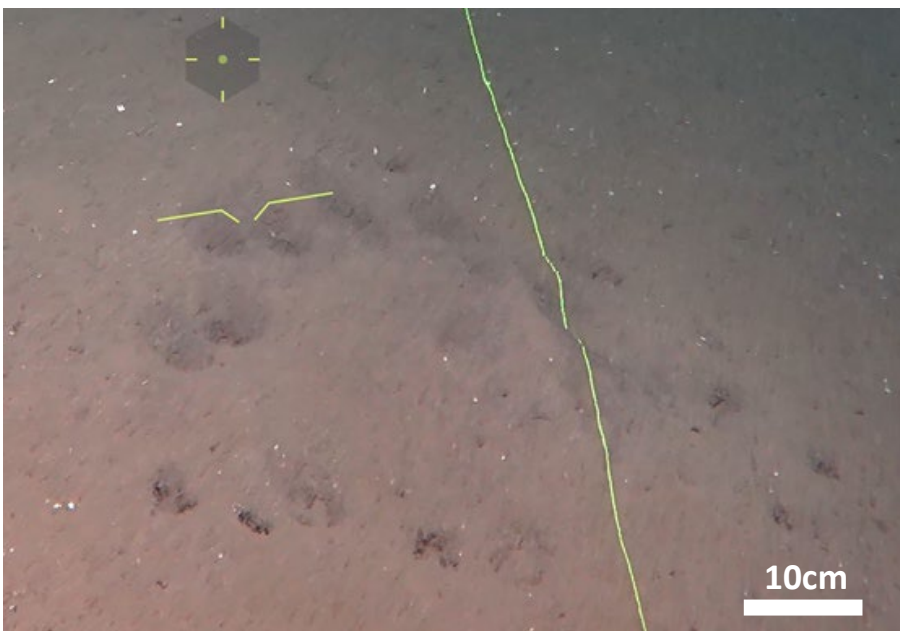


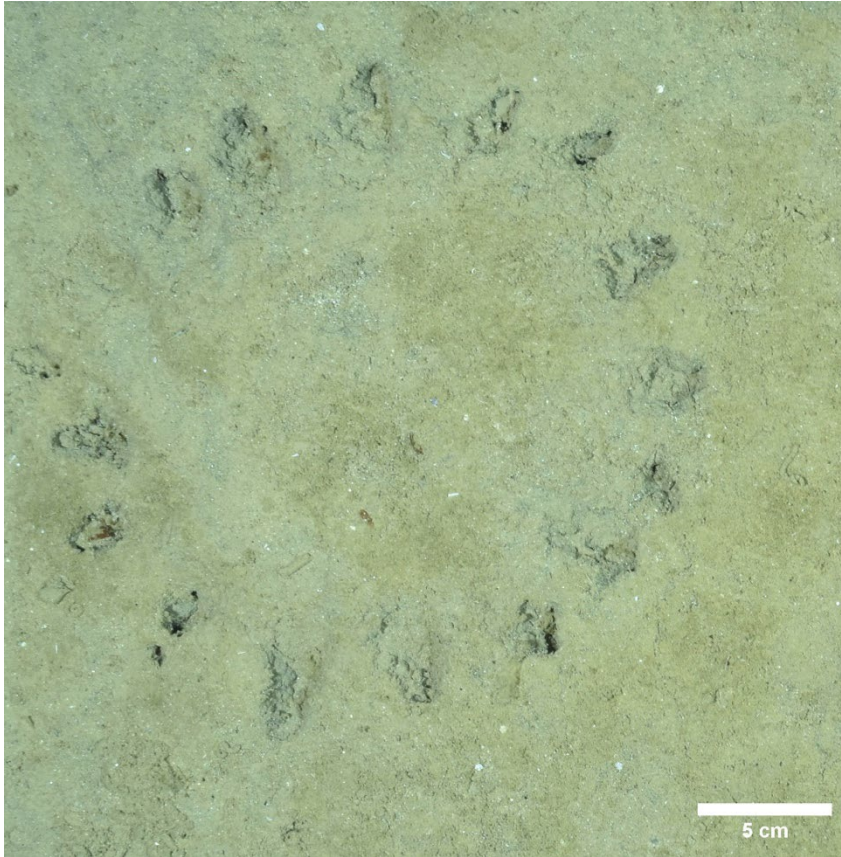
Circular burrows

Images information:

Dive 1 – Fogo

Depth: 1950m



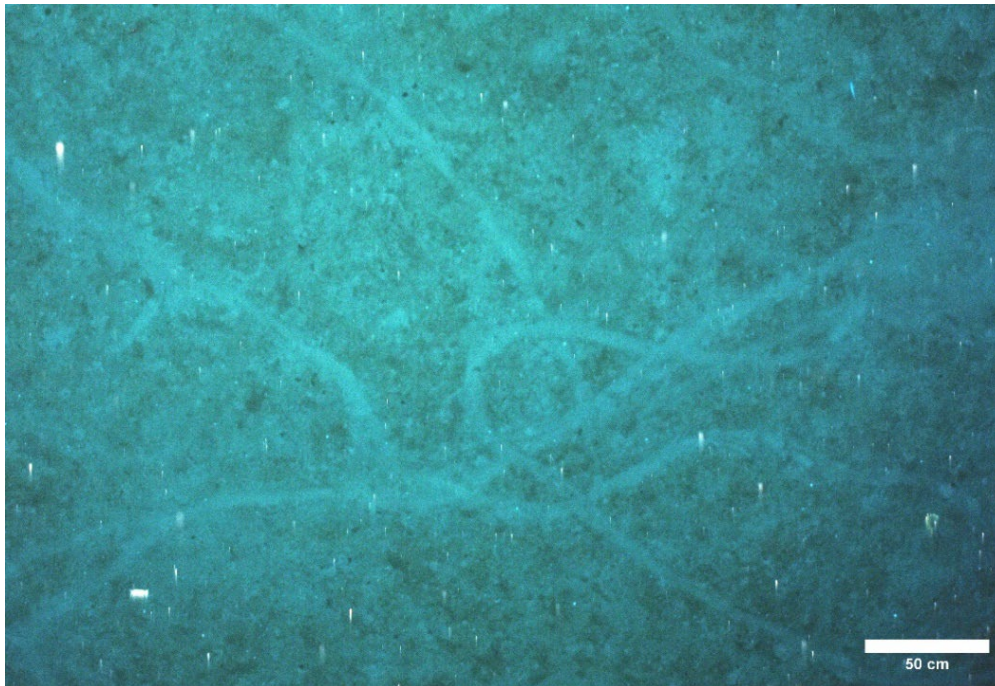


Burrow ring

Image information:

Dive 12 – Fogo

Depth: 3515 m



Urchin tracks

Image information:

Dive 11 - Cadamosto / Brava

Depth: 3423 m



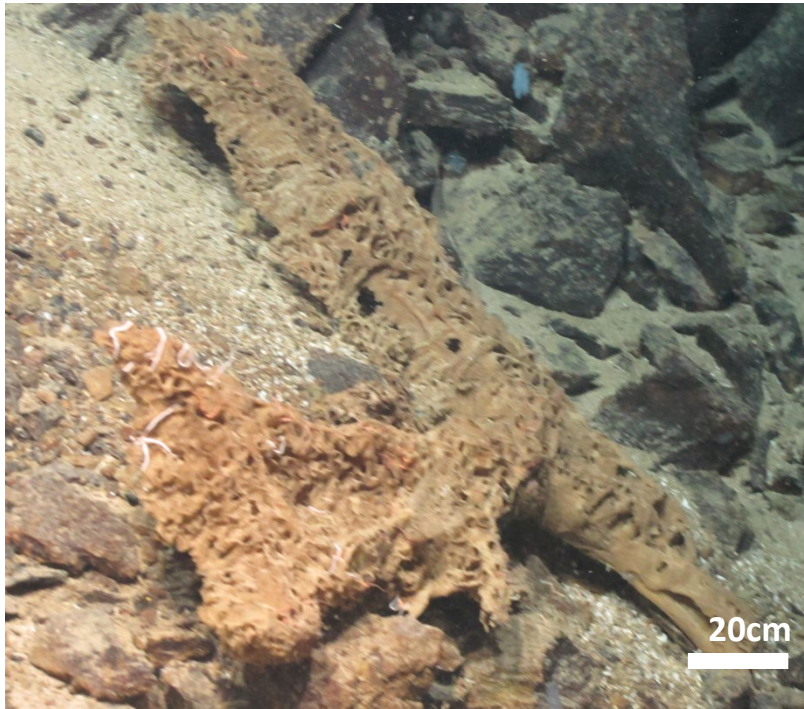
Crab burrows

Images information:

Dive 4 – Fogo

Depth: 1705m

Organic Falls

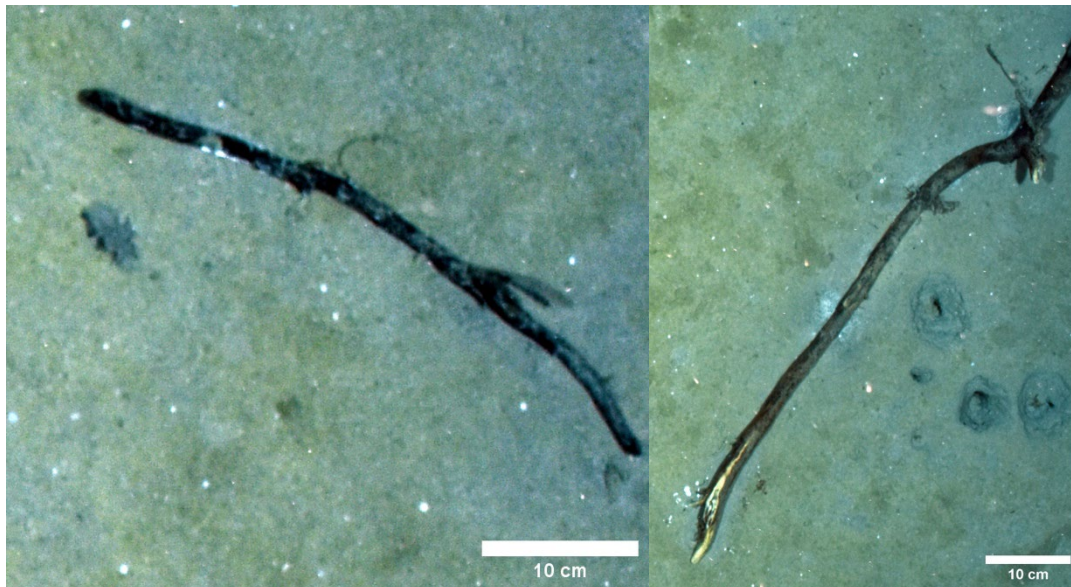


Wood ?

Image information:

Dive 5 – Cadamosto seamount

Depth: 1765m



Wood

Images information:

Dive 12 – Fogo

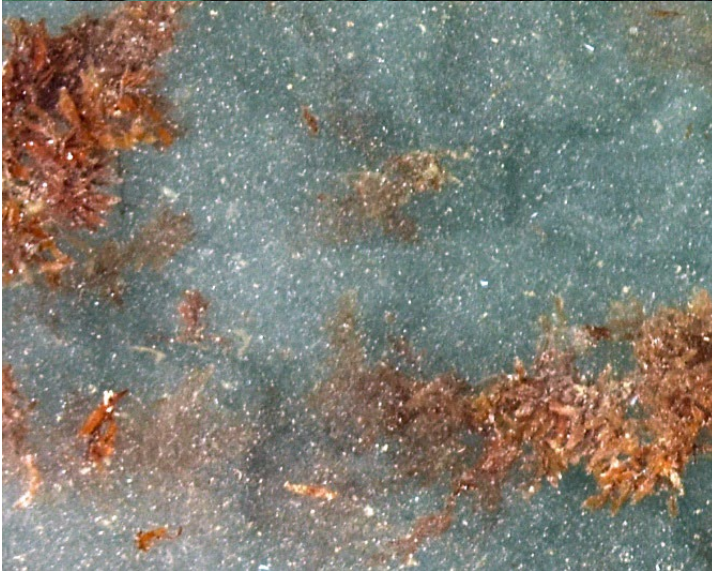
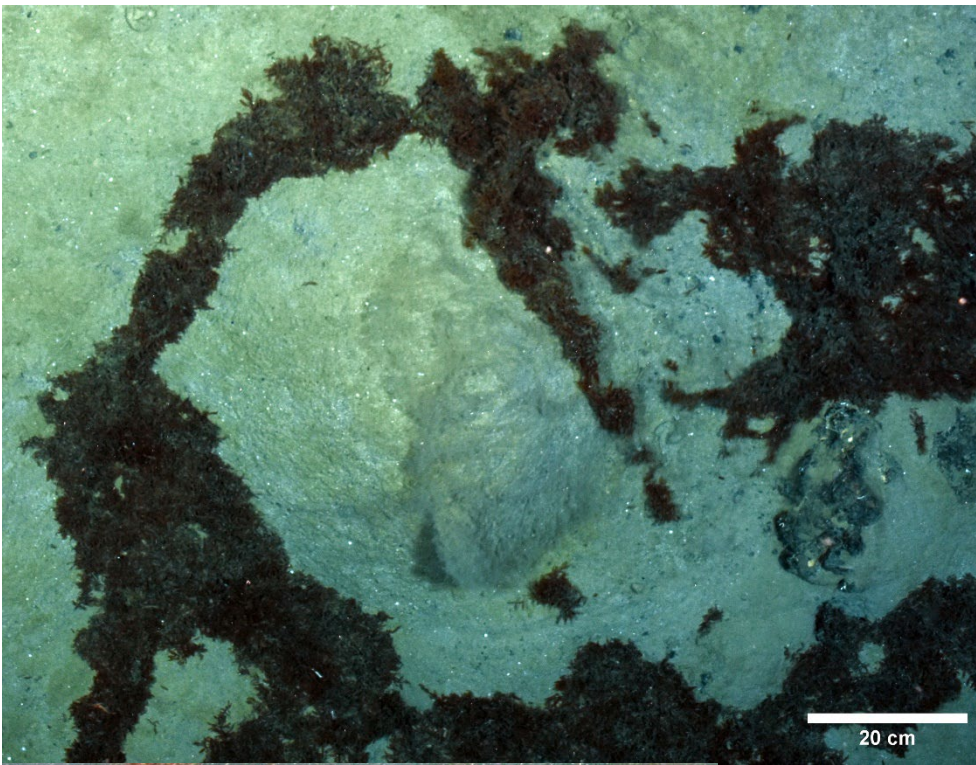
Depth: 3512 m

Brown algae

Image information:

Dive 12 – Fogo

Depth: 3508 m



*detail of *Sargassum* sp fall re-suspended in a ROV-generated sediment plume

Marine litter

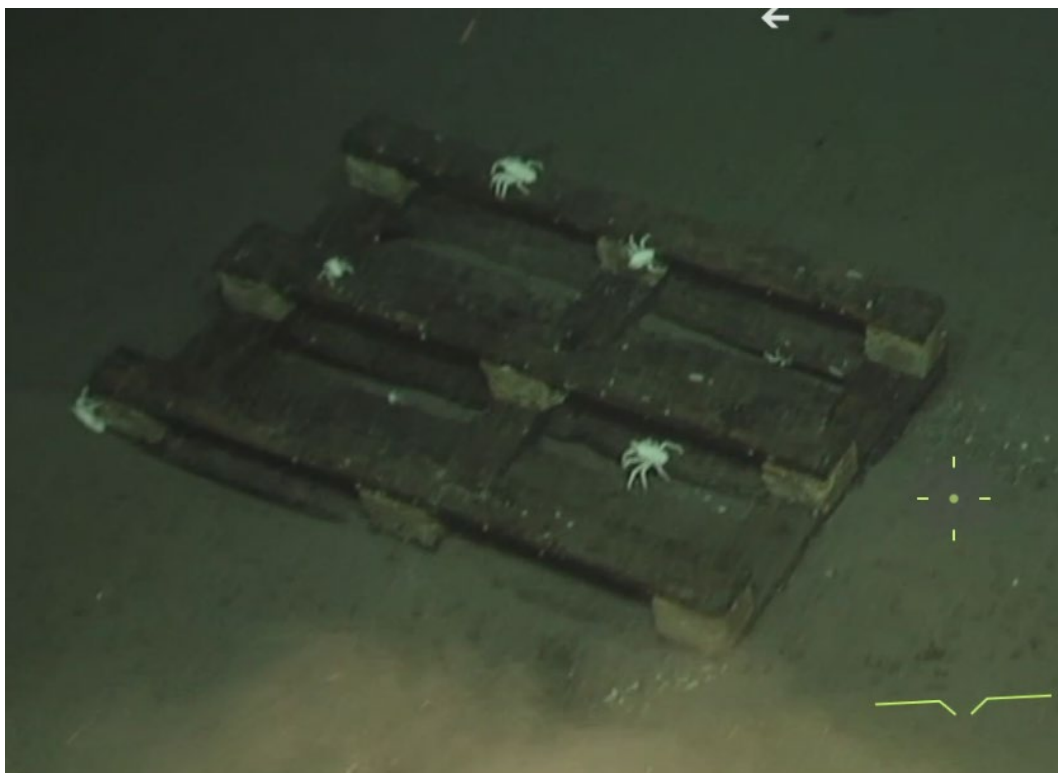


Bottle

Image information:

Dive 12 – Fogo

Depth: 3510 m



Wood Pallet

Image information:

Dive 12 – Fogo

Depth: 3512 m

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