



MOKU O LO'E HERBARIUM

REMS 2024

MARI DELA CRUZ

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Moku o Lo'e Algal Herbarium

Chlorophyta (Green Algae)

- MOL 3 *Caulerpa serrulata* (J. Agardh)
Limu Hulu moa
- MOL 7 *Dictyosphaeria versluysii* (Weber Bosse)
- MOL 9 *Codium* sp.
Limu 'A'ala'ula
- MOL 11 *Valonia ventricosa* (J. Agardh)
- MOL 14 *Bornetella sphaerica* (Zanardini) Solms-Laubach
- MOL 16 *Caulerpa racemosa* (Kützing)
- MOL 27 *Ulva compressa* (S.G. Gmelin)
Limu 'Ele'ele
- MOL 29 *Cladophora* sp.
- MOL 30 *Caulerpa Sertularioides* (J. Agardh)

Rhodophyta (Red Algae)

- MOL 8 *Anotrichium tenue* (C. Agardh) Nägeli 1862
- MOL 10 *Acanthophora spicifera* (M. Vahl)
- MOL 12 *Galaxaura rugosa* (J. Ellis & Solander)
Limu Kauno'a
- MOL 6 *Gelidiella acerosa* (Forsskål) Feldmann & Hamel
- MOL 17 *Gracilaria salicornia* (C. Agardh)
- MOL 21 *Platoma ardeanum* (Kraft & I.A. Abbott 1997)

Ochrophyta (Brown Algae)

- MOL 1 *Padina australis*
Limu Pepeiao
- MOL 24 *Dictyota sandvicensis* (Sonder)
Limu 'Alani

Unidentified Turf

- MOL 13 Unidentified Turf
- MOL 15 Unidentified Turf

Cyanobacteria (Blue-green Algae)

- MOL 31 *Symploca hydroides* (Kützing ex Gomont)
- MOL 32 *Leptolyngbya* sp.

Seagrass

- MOL 2 *Halophila hawaiiiana* (Doty & B.C. Stone)



Herbarium of REMS 2024
Algae of Moku o Lo'e

Caulerpa serrulata (J. Agardh)
Saw caulerpa

Description: greenish and star-like shape
with thin stem attached to rubble

Location: Northwestern sandflat inside
of reef crest on sand

Collectors: Mari Dela Cruz, Kayla
Junsay, Hoapili Kukea-Shultz, Mar
Polonia

Collection Date: 6/27/24

Catalog Number: MOL3



Herbarium of REMS 2024
Algae of Moku o Lo'e

Dictyosphaeria versluysii (Weber Bosse
1905)

Hard Bubble algae

Description: dark greenish-blue, hard
bubbly-like.

Location: East point lab

Collectors: Mari Dela Cruz, Kayla
Junsay, Hoapili Kukea-Shultz,

Collection Date: 6/28/24

Catalog Number: MOL5



Herbarium of REMS 2024
Algae of Moku o Lo'e

Limu 'A'ala'ula

Codium sp.

Description: Dark green, feely and spongy in texture.

Location: Northwest sandflat on rock rubble.

Collectors: Mar Polonia

Collection Date: 7/1/2024

Catalog Number: MOL9



Herbarium of REMS 2024
Algae of Moku o Lo'e

Valonia ventricosa (J. Agardh 1887)

Sailor's eyeball

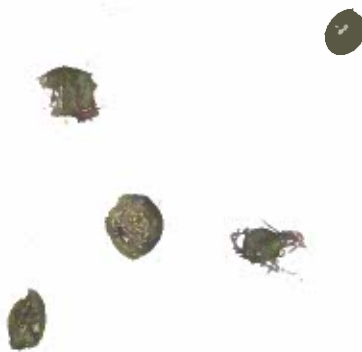
Description: Shiny smooth green spheres that are liquid filled. Internal structure appears to have spores.

Location: Ka Noelo Kai boat channel on the sea wall covered by the *Galaxaura*.

Collectors: Lauren Van Heukelem

Collection Date: 7/1/2024

Catalog Number: MOL 11



Herbarium of REMS 2024
Algae of Moku o Lo'e

Bornetella sphaerica (Zanardini)
Spherical Seaweed

Description: Spherical with textile
patterning along surface. When cross
sectioned the internal structure has
radiating branches from center to walls.

Location: Northwest sandflat attached to
rock that also had *Codium* on it.

Collectors: Mar Polonia
Collection Date: 7/1/2024
Catalog Number: MOL14



Herbarium of REMS 2024
Algae of Moku o Lo'e

Unidentified turf

Description: delicate short tufted turf that looks like pom poms attached to rocks.

Location: Northwest sandflat next to mangroves.

Collectors: Lauren Van Heukelem

Collection Date: 7/1/2024

Catalog Number: MOL15



Herbarium of REMS 2024
Algae of Moku o Lo'e

Caulerpa racemosa (Kützting)

Clustered or sea grapes

W.R. Taylor 1928

Description: Bright green horizontal
creeping stolon with upright fronds. With
clublike branchlets (tube feet).

Location: Northwest sandflat attached to
rock rubble and surrounded by other
algae.

Collectors: Hannah Bancroft

Collection Date: 7/1/2024

Catalog Number: MOL16



Herbarium of REMS 2024
Algae of Moku o Lo'e

Cladophora sp.

Description: fluffy dark green clump growing on rubble. branchlets look like bottle brushes.

Location: On mangrove roots north of shark floating dock facing the lagoon.

Collectors: Mari Dela Cruz, Kayla Junsay, Hoapili Kukea-Shultz, Mar Polonia

Collection Date: 7/3/2024

Catalog Number: MOL29



Herbarium of REMS 2024
Algae of Moku o Lo'e

Limu 'Ele'ele

Ulva compressa (S.G. Gmelin)

Description: Bright green multicellular
tubes attached to floating dock.

Location: South shark floating dock
facing the lagoon boat channel.

Collectors: Mari Dela Cruz, Kayla
Junsay, Hoapili Kukea-Shultz, Mar
Polonia

Collection Date: 7/3/2024

Catalog Number: MOL27



Herbarium of REMS 2024
Algae of Moku o Lo'e

Limu Hulu moa

Caulerpa sertularioides (J. Agardh)

feathery caulerpa

Description: Thin feather blades attached
to rock rubble

Location: NorthEast sandflat

Collectors: Mari Dela Cruz, Kayla
Junsay, Hoapili Kukea-Shultz, Mar
Polonia

Collection Date: 7/5/2024

Catalog Number: MOL30



Herbarium of REMS 2024
Algae of Moku o Lo'e

Gelidiella acerosa (Forsskål) Feldmann
& Hamel

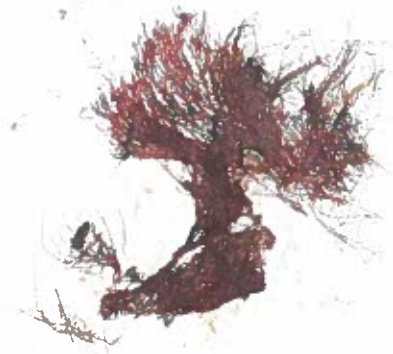
Description: yellow - dark orange,
brownish yellow, wiry-toughed on rubble

Location: Northeast of Moku o Lo'e on
sand.

Collectors: Mari Dela Cruz, Kayla
Junsay, Hoapili Kukea-Shultz

Collection Date: 6/28/24

Catalog Number: MOL6



Herbarium of REMS 2024
Algae of Moku o Lo'e

Anotrichium tenue (C.Agardh) Nägeli 1862

Description: Red tufts of algae attached to rocks. Prolific in the area found.

Location: Northwest sandflat

Collectors: Mari Dela Cruz, Kayla Junsay, Hoapili Kukea-Shultz, Mar Polonia

Collection Date: 6/27/2024

Catalog Number: MOL 8

Herbarium of REMS 2024
Algae of Moku o Lo'e

Acanthophora spicifera (M. Vahl)
Børgesen 1910

Spiny or spiky seaweed

Description: axes have "spikes"
protruding. Transparent green color axis
with red coloring at tips.

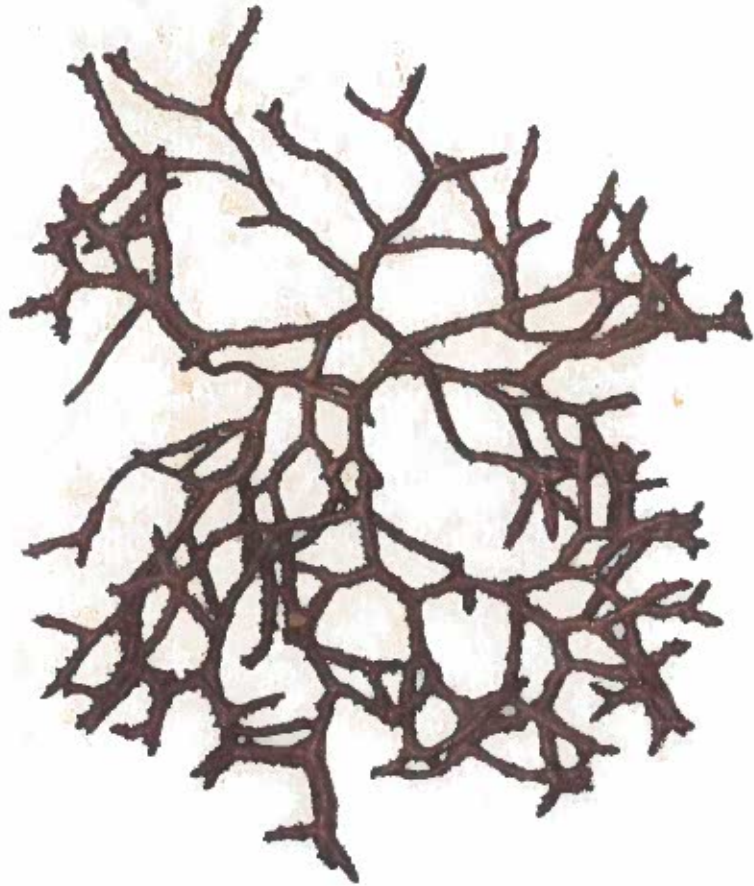
Location: Southwest sandflats cover in
sediment.

Collectors: Hannah Bancroft, Mari Dela
Cruz, Kayla Junsay, Hoapili
Kukea-Shultz, Mar Polonia

Collection Date: 7/10/2024

Catalog Number: MOL10





Herbarium of REMS 2024
Algae of Moku o Lo'e

Limu Kauno'a

Galaxaura rugosa (J. Ellis & Solander)

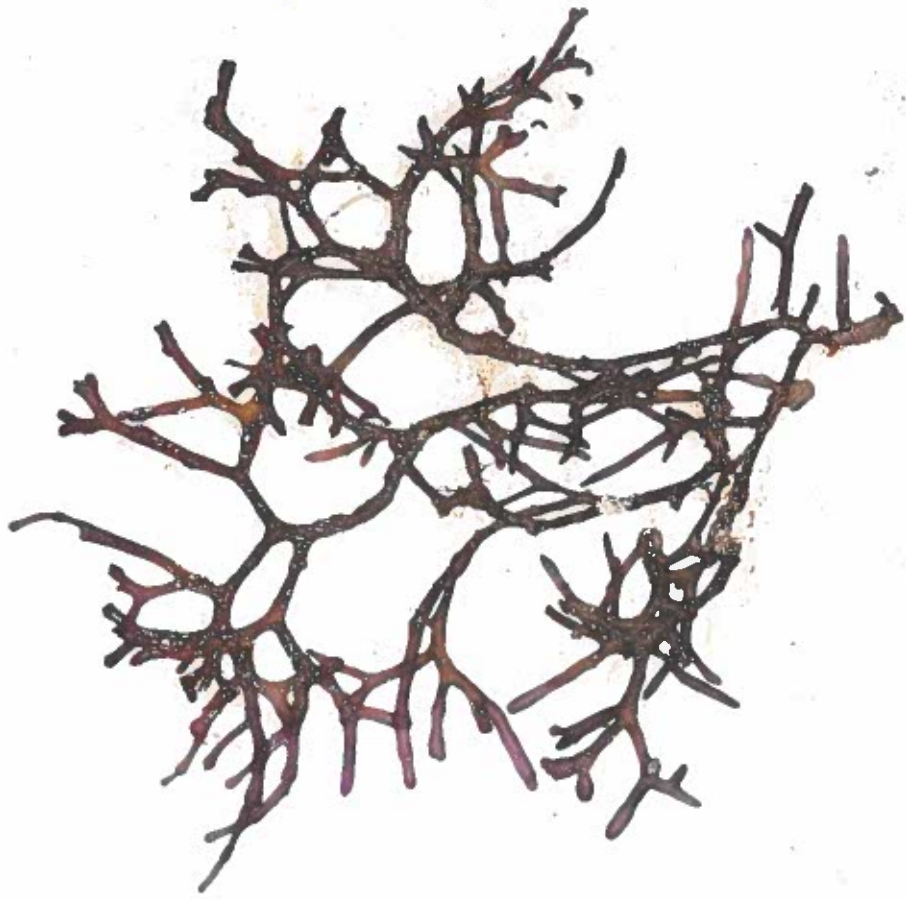
Description: Sporophyte stage with hairs evenly distributed around axis with a velvety texture. Maroon in coloring and the axis are lighter red in coloring.

Location: Ka Noelo Kai dock area on seawall.

Collectors: Mari Dela Cruz, Kayla Junsay, Hoapili Kukea-Shultz, Mar Polonia, Lauren Van Heukelem.

Collection Date: 7/1/2024

Catalog Number: MOL12



Herbarium of REMS 2024
Algae of Moku o Lo'e

Gracilaria salicornia (C. Agardh)

Gorilla ogo

Description: Dark brown at the base by the holdfast and gets lighter in coloring almost yellow at the tips. Grows in clumps and mats and even tumbleweed type morphology. Growing over coral.

Location: Northwest sandflats but found at every location around Moku o Lo'e.

Collectors: Mari Dela Cruz, Kayla Junsay, Hoapili Kukea-Shultz, Mar Polonia

Collection Date: 7/1/2024

Catalog Number: MOI.17



Herbarium of REMS 2024
Algae of Moku o Lo`e

Platoma ardreanum (Kraft & I.A.Abbott
1997)

Description: Gelatinous bright red at
apex moving to darker red at holdfast

Location: Back beach in rock crevices
attached to CCA.

Collectors: Mari Dela Cruz, Kayla
Junsay, Hoapili Kukea-Shultz, Mar
Polonia

Collection Date: 7/5/2024

Catalog Number: MOL21



Herbarium of REMS 2024
Algae of Moku o Lo'e

Limu Pepeiao

Padina australis (Hauck)

Description: brownish fan-like with white calcified rings, dark brownish-green edges. Cuts in blades.
Location: one meter offshore in rubble on the northwest side of Moku o Lo'e
Collectors: Mari Dela Cruz, Kayla Junsay, Hoapili Kukea-Shultz, Mar Polonia

Collection Date: 6/27/24

Catalog Number: MOL1



Herbarium of REMS 2024
Algae of Moku o Lo'e

Limu 'Alani

Dictyota sandvicensis (Sonder)

Description: Dichotomously branched
with growth at apex. Yellow brown in
coloring with lots of epiphytic growth.

Location: Beach house lagoon

Collectors: Mari Dela Cruz, Kayla
Junsay, Hoapili Kukea-Shultz, Mar
Polonia

Collection Date: 7/5/2024

Catalog Number: MOL24

Herbarium of REMS 2024
Algae of Moku o Lo'e

Unidentified turf
Description: fluffy clump growing on rubble.
Location: Northwest sandflat growing on rubble.
Collectors: Lauren Van Heukelem
Collection Date: 7/1/2024
Catalog Number: MOL13



Herbarium of REMS 2024
Algae of Moku o Lo'e

Symploca hydroides (Kützting ex Gomont)
Brush seaweed

Description: Cluster of filaments in a
clump with a tan to dark green coloring.

Location: Lanai Suites sandflats

Collectors: Mari Dela Cruz, Kayla
Junsay, Hoapili Kukea-Shultz, Mar
Polonia

Collection Date: 7/10/2024

Catalog Number: MOL 31





Herbarium of REMS 2024
Algae of Moku o Lo'e

Leptolyngbya sp.

Description: tan cushion in a button-like shape that can be up to 5cm in diameter.

Location: Lanai Suites sandflats

Collectors: Mari Dela Cruz, Kayla Junsay, Hoapili Kukea-Shultz, Mar Polonia

Collection Date: 7/10/2024

Catalog Number: MOL 32



Herbarium of REMS 2024
Seagrass of Moku o Lo'e

Halophila hawaiiiana (Doty & B.C.
Stone 1966)

Description: green, leaf-like petals with
large stem attached to rubble

Location: Northwestern sandflat inside
of reef crest on sand

Collectors: Mari Dela Cruz, Kayla
Junsay, Hoapili Kukea-Shultz, Mar
Polonia

Collection Date: 7/1/24

Catalog Number: MOL2