

NOS. species
algae in Hawaii?

skin algae in
stomachs

PRELIMINARY LIST OF THE DIETARY COMPONENTS RECOVERED
FROM GREEN TURTLES IN THE HAWAIIAN ARCHIPELAGO

by

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ISLAND OF HAWAII

Kau District (19°10'N, 155°30'W)

1. *Pterocladia capillacea* (Gmelin) Bornet & Thuret
2. *Amanoa glomerata* C. Ag.

ISLAND OF OAHU

MAJOR Kaneohe Bay (21°28'N, 157°48'W)

1. *Codium edule* Silva
2. *Codium arabicum* Kuetzing
3. *Gracilaria bursapastoris*
4. *Ulva fasciata* Delile
5. *Ahnfeltia concinna* J. Ag.
6. *Hypnea musciformis* — introduced from Florida
7. *Acanthophora spicifera* (Vahl) Boerg. — introduced
8. *Amanoa glomerata* C. Ag.
9. *Hypnea cervicornis* J. Ag.

Chondrosia chucalla (sponge)

Waimanalo Bay (21°21'N, 157°42'W)

1. *Codium edule* Silva

2. *Codium arabicum* Kuetzing
 3. *Codium phasmaticum* Setchell
 4. *Ulva fasciata* Delile
 - (5. *Amansia glomerata* C. Ag.
 6. *Dictyosphaeria versluysii* Van Bosse X
 7. *Grateloupia filicina* (Wulfen) C. Ag. X
 8. *Dictyota acuteloba* J. Ag.
 9. *Cladophora fascicularis* (Mertens) Kuetzing
 10. *Gracilaria coronopifolia* J. Ag. X
 11. *Padina japonica* Yamada
 12. *Hypnea cervicornis* J. Ag. X
 13. *Enteromorpha* sp. TV
- Chondrosia chucalla* (sponge)

Hanauma Bay (21°16'N, 157°42'W)

1. *Amansia glomerata* C. Ag.
2. *Pterocladia capillacea* (Gmelin) Bornet & Thuret

Mamala Bay (Reef Runway 21°17'N, 157°56'W) FG CONFISCATION

1. *Pterocladia capillacea* (Gmelin) Bornet & Thuret
2. *Ulva reticulata* Forsskal

Mamala Bay (Diamond Head 21°15'N, 157°49'W)

1. *Halophilla hawaiiensis* Doty & Stone
2. *Amansia glomerata* C. Ag.

Kawailoa Beach (21°37'N, 158°06'W)

1. *Codium edule* Silva
 2. *Codium arabicum* Kuetzing
 3. *Gelidiella acerosa* FG CONFIRMATION
 4. *Gelidium pusillum* (Stackhouse) La Jolis
 5. *Caulerpa serrulata* (Forsskal) J. Ag.
 6. *Caulerpa sertularioides* (Gmelin) Howe
 7. *Dictyosphaeria versluysii* Weber van Bosse
 8. *Acanthophora spicifera* (Vahl) Boerg.
 9. *Ulva reticulata* Forsskal
 10. *Ahnfeltia concinna* J. Ag. 209°
 11. *Amansia glomerata* C. Ag.
- Chondrosia chucalla* (sponge)

Kailua Bay (21°25'N, 157°43'W)

1. *Codium edule* Silva
2. *Pterocladia capillacea* (Gmelin) Bornet & Thuret

ISLAND OF KAUAI

Kaakaani (22°12'N, 159°20'W)

1. *Pterocladia capillacea* (Gmelin) Bornet & Thuret

NECKER ISLAND (23°35'N, 164°42'W)

1. *Caulerpa racemosa* (Forsskal) J. Ag.
2. *Amansia glomerata* C. Ag.
3. *Halimeda discoidea* Decaisne
4. *Hypnea* sp.

FRENCH FRIGATE SHOALS (23°45'N, 166°10'W)

1. *Codium arabicum* Kuetz
2. *Codium phasmaticum* Setchell
3. *Ulva fasciata* Delile
4. *Caulerpa racemosa* (Forsskal) J. Ag.
5. *Turbinaria ornata* (Turner) J. Ag. B
6. *Spyridia filamentosa* (Wulfen) Harvey R
7. *Rosenvingea orientalis* (J. Ag.) Boerg. B
8. *Lobophora variegata* (Lamx.) Womersley B
9. *Gracilaria* new species R
10. *Microcoleus lyngbyaceus* (Kuetzing) Thuret. - BG
11. *Sphacelaria tribuloides* Meneghini B
12. *Porolithon gardineri* (Foslie) Foslie R
13. *Chlorodesmis hildebrandtii* A. & E.S. Gepp G
14. *Microdictyon setchellianum* Howe G
15. *Ceramium* sp. R
16. *Polysiphonia* sp. R
17. *Roschera* sp. — B
18. *Liagora* sp. R

Cerithiidae (micromolluscs)

LAYSAN ISLAND (25°46'N, 171°44'W)

1. *Padina crassa* Yamada — B
2. *Pseudobryopsis oahuensis* Gilbert
3. *Microdictyon japonicum* Setchell - G
4. *Spyridia filamentosa* (Wulf.) Harv. R

Codium edule

? Doty (Do I have a sample?)

Halimeda discoidea^G

5. *Amansia glomerata* C. Ag. R
6. *Halimeda discoidea* Decaisne - G
7. *Zonaria variegata* (Lamx.) C. Ag. - ?

LISIANSKI ISLAND (26°04'N, 173°58'W)

1. *Caulerpa racemosa* (Forsskal) J. Ag.
2. *Gelidiopsis* sp. R
3. *Pterocladia capillacea* (Gmelin) Bornet & Thuret R
4. *Jania capillacea* Harvey R
5. *Halimeda discoidea* Decaisne G
6. *Polysiphonia* sp. R
- Verella* sp. ←

BG

Lyngbya majuscula

Oscillatoria sp.

B - *Turbinaria ornata*

Melosira sp.

G - *Chlorella* sp. (series)
25' border

MIDWAY ISLANDS (28°13'N, 177°21'W)

1. *Codium edule* Silva G x
2. *Caulerpa serrulata* (Forsskal) J. Ag. G → R x
3. *Dictyosphaeria versluysii* Wever van Bosse G x
4. *Halophila ovalis* ~~Harvey~~ S →
5. *Caulerpa sertularioides* (Gmelin) Howe G x
6. *Spyridia filamentosa* (Wulfen) Harvey R x
- Verella* sp.
- Physalia* sp.

Amansia glomerata R x

← *Janthia* ?

Lyngbya majuscula BG x

Codium roseatum x G

Sphaeralaria

Ceramium sp. R x

Oscillatoria sp. BG x

Falkenbergia sp. R x

Podaria sp. - B x

KURE ATOLL (28°25'N, 178°20'W)

1. *Codium edule* Silva
2. *Polysiphonia tsudana*
- Physalia* sp.

R *Janthia* ?

JUVENILE MCOB

Lanai - Shipwreck Beach

- | | | |
|----|------------------------------------|----|
| 1. | <u>Acanthopora spirifera</u> | 80 |
| 2. | <u>Amansia glomerata</u> | 5 |
| 3. | <u>Hypnea sericornis</u> R | 5 |
| 4. | <u>Dictyota acuteloba</u> B | 5 |
| 5. | <u>Codium phaeoacanthum</u> G | 3 |
| 6. | <u>Padina japonica</u> B | 2 |
| 7. | <u>Champia parvula</u> R | Tr |
| 8. | <u>Gracilaria</u> sp. R | Tr |
| 9. | <u>Levillia jungesmannioides</u> R | Tr |

ADULT ANNEAL

- | | | |
|----|------------------------------|----|
| 1. | <u>Amansia glomerata</u> | - |
| 2. | <u>Sargassum polyphyllum</u> | - |
| 3. | <u>Halophila ovalis</u> | Tr |