

NECKER BANK

August 1977

*Sargassum*  
MSD 28453a

ALL SAMPLES  
COLLECTED BY G.H. BALAZS HIMB  
IDS BY DENNIS RUSSELL

NECKER BANK

August 1977

*Microdictyon setchellianum* Howe  
MSD 28453h



NECKER BANK

August 1977

*Halimeda discoidea* Decaisne

MSD 28453b

NECKER BANK

August 1977

*Polysiphonia* on *Laurencia*

MSD 28543L

Necker 1977  
Polysiphonia



NECKER BANK

August 1977

*Polysiphonia scopulorum* Harvey  
MSD 28452

NECKER BANK

August 1977

*Codium mamillosum* Harvey  
MSD 28543e



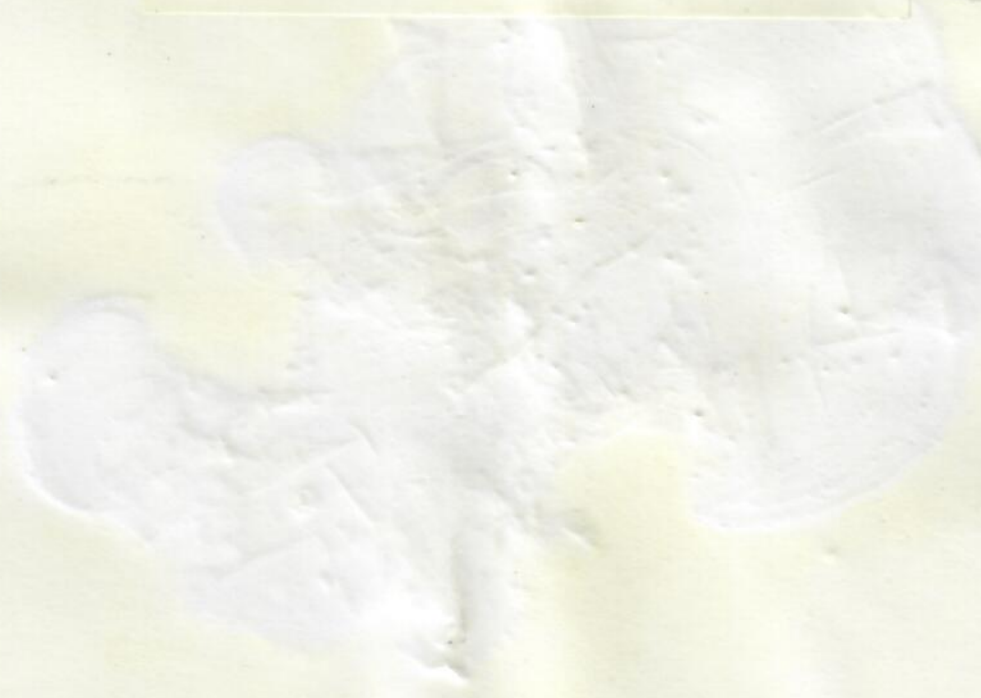
NECKER BANK

August 1978

*Padina crassa* Yamada  
MSD 28453c

NECKER BANK - 19 fathoms'  
27-30 April 1979  
Easy Rider lobster traps

ER  
Necker-lobes -  
Aug 1979







NECKER ISLAND

May 1979

reef collection

NECKER ISLAND

28 April 1979

west of gap - reef collection





NECKER ISLAND

28 April 1979

west of gap - reef collection

NECKER ISLAND

28 April 1979

west of gap - reef collection

G3-412                      23 April 1979  
Necker Island--W. coast and pools

*Turbinaria ornata*  
*Centroceros clavulatum*  
*Rhizoclonium hookeri*  
*Chnoospora implexa*  
*Sargassum echinocarpum*  
*Ectocarpus breviarticulatus*  
*Sphacelaria tribuloides*  
*Laurencia tenera*



NECKER BANK - 19 fathoms  
27-30 April 1979  
Easy Rider lobster traps

*Halimeda & Microdictyon*  
GB-644  
*caulapa & Red?*

NECKER BANK - 19 fathoms  
27-30 April 1979  
Easy Rider lobster traps

*Laurencia*  
GB-643  
*Codium 1 & 2*



NECKER BANK - 19 fathoms  
27-30 April 1979  
Easy Rider lobster traps

GB-642

*Padina japonica*

NECKER BANK - 19 fathoms  
27-30 April 1979  
Easy Rider lobster traps

GB-641

*Dasya collinsiana*





MIDWAY - "Reef Hotel"

February - March 1978

Reef Collection

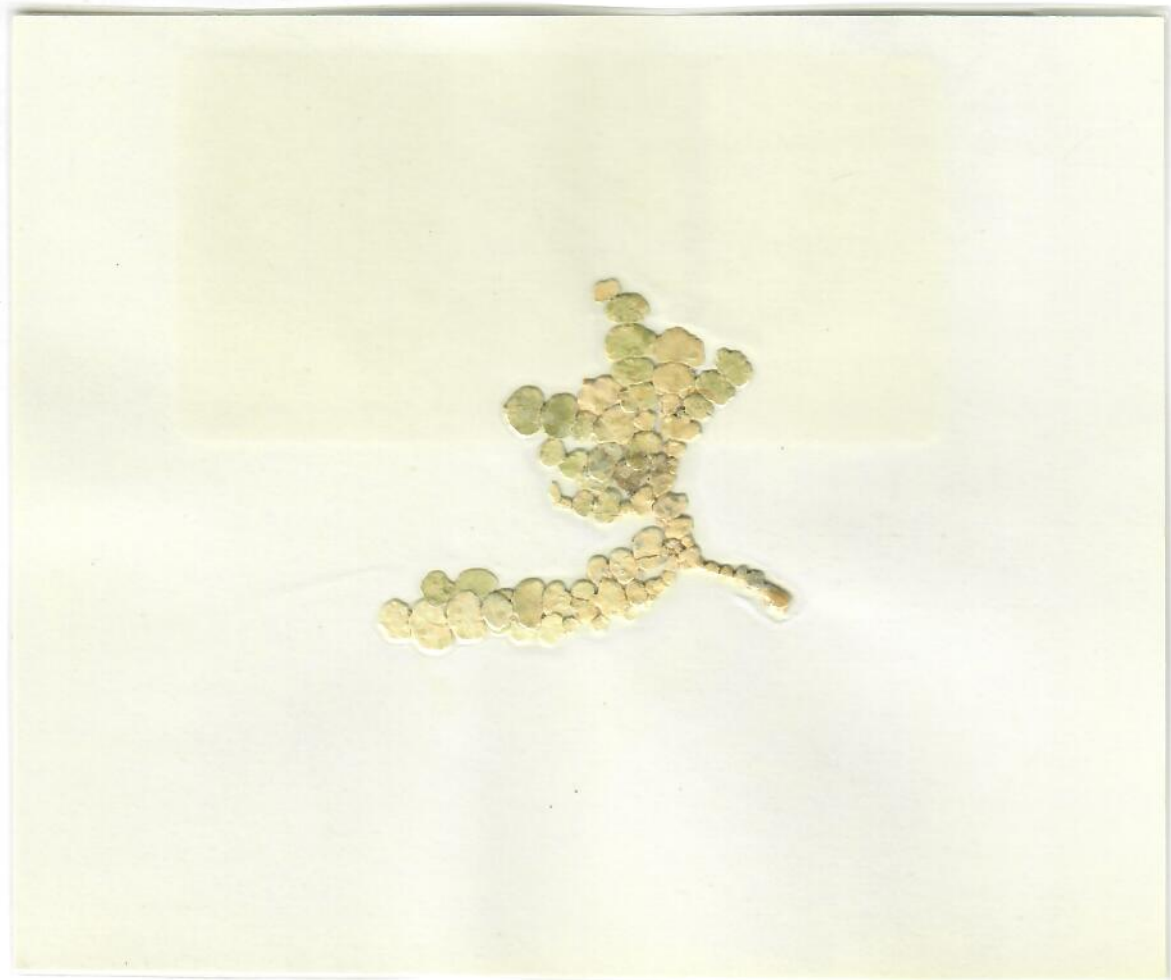
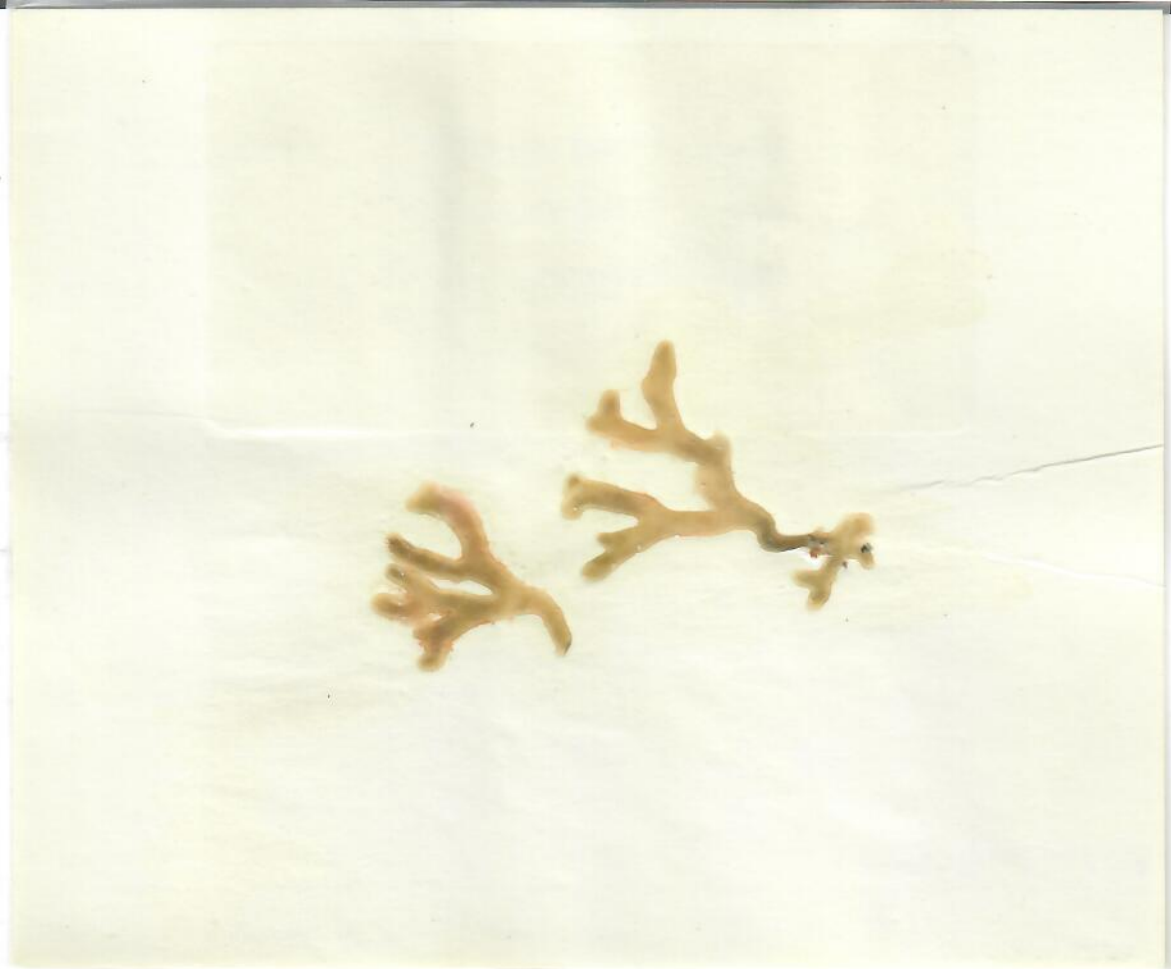
*Codium*

GB-645

Necker Island

May 1979

Reef Collection



Necker Island  
April - May 1979  
Reef Collection

GB-414                      27 May 1979  
Tag 2391--Necker Island  
skin growth

*Sphacelaria furcigera*



French Frigate Shoals 11 March 1976  
Juvenile-tiger shark mortality  
*Turbinaria ornata* (Turner) J. Agardh.- 45%  
*Spyridia filamentosa* (Wulfen) Harvey- 45%  
? *Gracilaria* new species - 9%  
*Ceramium* sp.  
*Microcoleus lyngbyaceus* (Kuetzing) Thuret.  
*Polysiphonia* sp.  
*Sphacelaria tribuloides* Meneghini  
*Roschera* sp.

FFS 3/11/76  
turtle from shark  
juvenile

GB-431 tag 3085  
7 May 1979 Tern Island, FFS

stomach sample

<i>Codium arabicum</i>	60%
<i>Oscillatoria subtilissima</i>	30%
<i>Microcoleus</i> sp.	10%



GB-415 tag 3010  
1 May 1979 Tern Island, FFS  
stomach sample

*Codium arabicum* 90%  
*Oscillatoria subtilissima*

GB-416 tag 3010  
1 May 1979 Tern Island, FFS

skin scraping  
*Ectocarpus indicus* 50%  
*Polysiphonia tsudana* 40%  
*Lyngbya semiplena* 10%  
*Lyngbya porphyrosphonis* trace





GB-417

1 May 1979

Tag 3012--Tern Island, Fr. Frigate Shoals  
skin growth

*Lyngbya semiplena*  
*Ectocarpus indicus*  
*Polysiphonia tsudana*

GB-418

tag 3012

1 May 1979

Tern Island, FFS

skin scraping

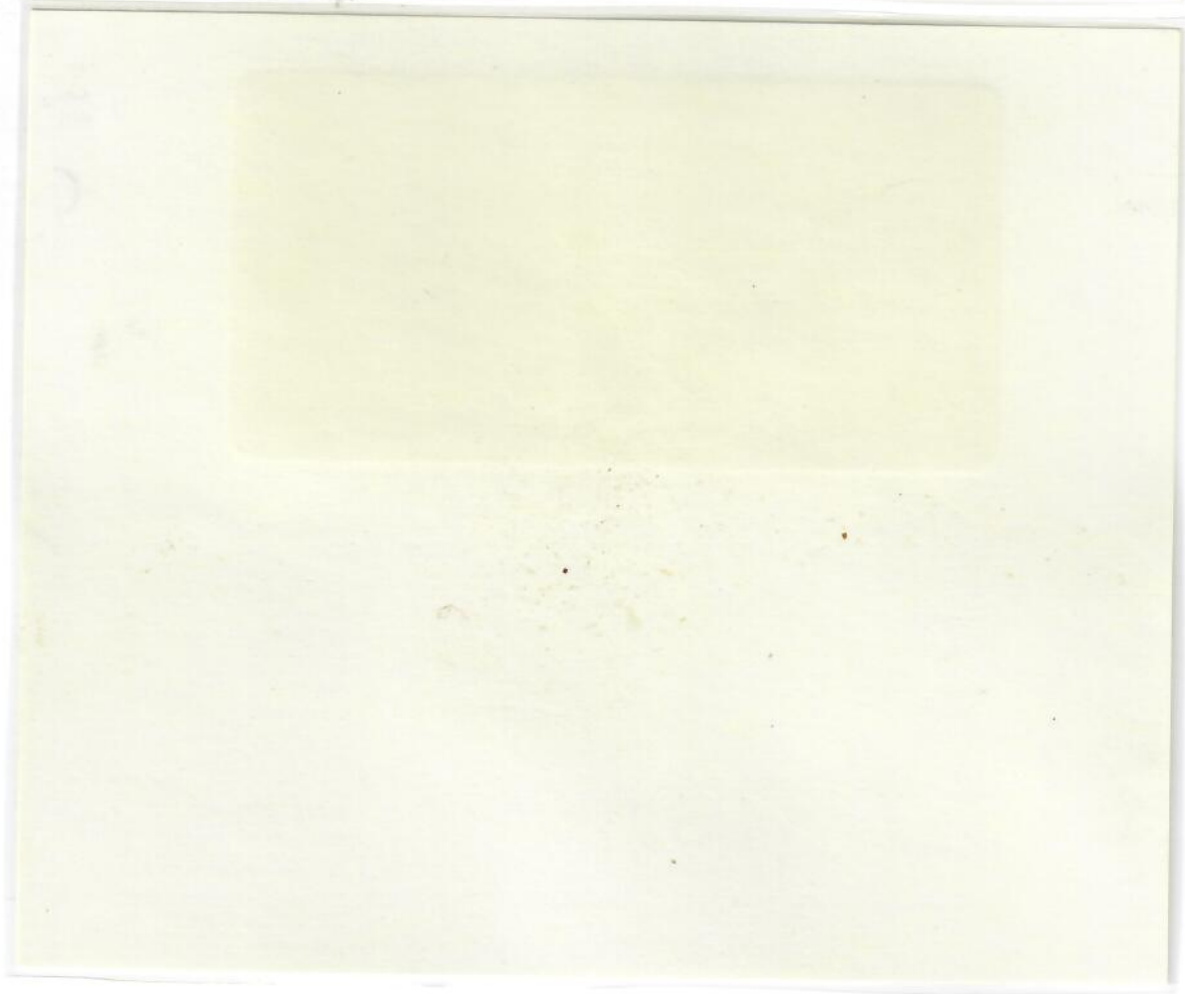
<i>Lyngbya semiplena</i>	65%
<i>Codium arabicum</i>	30%
<i>Ectocarpus indicus</i>	5%



GB-442            tags 3115, 3116  
14 June 1979       Tern Island, FFS  
mouth sample  
*Codium* sp.                    trace  
Phaeophyte (?)                trace

GB-433            tag 3012  
6 May 1979        Tern Island, FFS

<i>Codium arabicum</i>	90%
<i>Sphacelaria tribuloides</i>	50%
<i>Zonaria variegata</i>	trace
<i>Ceramium</i> sp.	trace
<i>Polysiphonia</i> sp.	trace



Trig, French Frigate Shoals

3 May 1979

beach specimen

Vellela vellela Linnaeus, 1758

GB-430 tags 941, 3083  
6 May 1979 Trig Island, FFS  
meter D

stomach sample

*Laurencia majuscula* 90%

*Sargassum* sp. 5%

*Microcoleus* sp. 5%

Foraminifera (protozoans)

micromollusks (3 individuals)



GB-420            tag 3033  
3 May 1979        Trig Island, FFS

stomach sample

<i>Microcoleus</i> sp.	95%
<i>Ceramium</i> sp.	trace
<i>Laurencia</i> sp.	trace

GB-421            tags 2614, 3032  
3 May 1979        Trig Island, FFS

stomach sample - adult male

<i>Microcoleus</i> sp.	90%
<i>Jania capillacea</i>	trace
<i>Laurencia majuscula</i>	10%





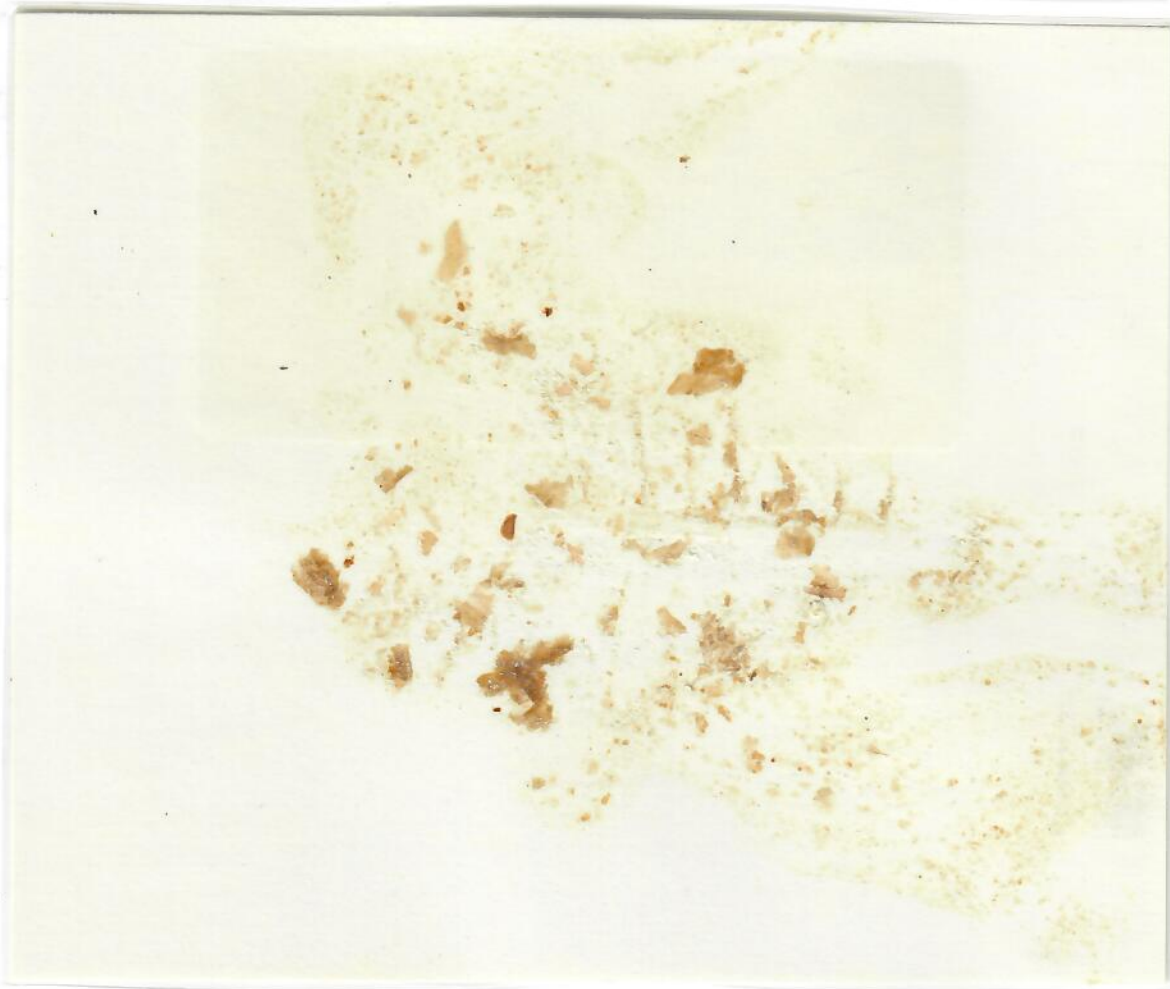
GB-443            tags 1201, 3129, 2032  
17 June 1979            Trig Island, FFS  
stomach sample  
*Laurencia carolinensis*            99%  
*Polysiphonia subtilissima*            trace

GB-445            tags 2828, 3132  
17 June 1979            Trig Island, FFS  
*Laurencia carolinensis*            99%  
*Oscillatoria subtilissima*            trace  
*Cladhymenia pacifica*            1%  
squamous epithelial cells



GB-446            tags 3131, 2593  
17 June 1979        Trig Island, FFS  
*Turbinaria ornata*            50%  
*Laurencia carolinensis*        30%  
*Cladhymenia pacifica*        20%  
*Champia parvula*            trace  
*Oscillatoria subtilissima*    trace

GB-447            tags 1214, 2616, 2827  
17 June 1979        Trig Island, FFS  
stomach sample  
*Laurencia carolinensis*        99%  
*Oscillatoria subtilissima*    1%



GB-450            tags 3082, 3130  
June 1979            Trig Island, FFS  
stomach sample  
*Laurencia carolinensis*            90%  
*Oscillatoria subtilissima*            10%  
*Polysiphonia sparsa*            trace

GB-3            June 1977  
Reef flat, East Is., FFS  
*Bryopsis pennata*  
*Caulerpa racemosa* var. *macrophysa*  
*Halimeda discoidea*  
Anemone (anthroza)

GB3



GB-4      24 June 1977  
Juvenile from tiger shark, FFS  
*Rosenvingea orientalis* - 35%  
*Lobophora variegata* - 25%  
*Porolithon gardineri* - 25%  
*Chlorodesmis hildebrandtii* - 10%  
*Polysiphonia* sp. - Tr  
Animal - 5%  
(Cerithiidae; empty pteropod shells)

GB-4      24 June 1977  
Juvenile from tiger shark, FFS  
*Rosenvingea orientalis* - 35%  
*Lobophora variegata* - 25%  
*Porolithon gardineri* - 25%  
*Chlorodesmis hildebrandtii* - 10%  
*Polysiphonia* sp. - Tr  
Animal - 5%  
(Cerithiidae; empty pteropod shells)





GB-308  
East, FFS  
Ventral margin growth

14 June 1978  
SL-16 7/8

<i>Ectocarpus indicus</i>	10%
<i>Polysiphonia tsudana</i> (tetrasporophyte)	40%
<i>Spacelaria furcigeria</i>	50%

GB-307  
East Is., FFS  
mouth

14 June 1978  
(SL 16-7/8")

Tag 2215A

<i>Codium edule</i>	100%
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GB-304                      14 June 1978                      Tag 2266  
East Is., FFS (SL 15-1/4")  
stomach

*Codium edule*                      100%

GB-448                      tags 3038, 3089  
17 June 1979                      East Island, FFS  
mouth sample  
*Caulerpa racemosa*







GB-424 tag 2661  
5 May 1979 East Island, FFS

skin scrapings

<i>Ectocarpus breviarticulatus</i>	50%
<i>Polysiphonia tsudana</i>	45%
<i>Sphacelaria furcigera</i>	5%
<i>Oscillatoria subtilissima</i>	trace

GB-425 tag 3071  
6 May 1979 Whale-Skate Island, FFS

stomach sample

<i>Laurencia majuscula</i>	80%
<i>Ceramium tenuissimum</i>	10%
<i>Polysiphonia tsudana</i>	10%
<i>Pseudobryopsis oahuensis</i>	trace
<i>Oscillatoria subtilissima</i>	trace

GB 425





GB-426            tag 3071  
6 May 1979      Whale-Skate Island, FFS

skin and ventral marginals scraping  
*Ectocarpus breviarticulatus*            90%  
*Porolithon* sp. ( crustose red alga)  
*Sphacelaria tribuloides*                trace

GB-429            tag 3079  
6 May 1979      Whale-Skate Island, FFS

stomach sample  
*Codium edule*                                90%  
*Oscillatoria subtilissima*                10%



GB-432 tag 3088  
7 May 1979 East Island, FFS

*Caulerpa racemosa*

GB-413 3 May 1979  
Gin-Little Gin, French Frigate Shoals

*Hydroclathrus clathratus*



GB-413

3 May 1979

Gin-Little Gin, French Frigate Shoals

*Hydroclathrus clathratus*

