

Sea Turtle Necropsy Samples 16 July 1996 to 15 March 1998

Identifications of algae species by Dennis J. Russell, 4 May 1998

07-16-96 Palaaau, Molokai, GHB, forestomach contents, tumors

Acanthophora spicifera 100%

07-20-96 Palaaau, Molokai, GHB, forestomach contents, tumors

Acanthophora spicifera 100%

Hypnea cervicornis Trace

Terrestrial plant material Trace

06-03-97 Location? Sea turtle species? S. Coeruleouba

Many squid beaks, suction cup parts, pen parts, eye lenses

Round worm (male) 5 cm long

07-07-97 Olowalu, Maui, Lisa via Skippy Hau, stomach contents, tumored

Amansia glomerata 90%

Acanthophora spicifera 5

Gelidiopsis sp. 2

Unknown Rhodophyte 3

Dictyota friabilis Trace

07-27-97 Honaunau, Big Island, Eddie Lewis (DOCARE) #15022-01, forestomach contents, no tumors

Red Turf 50%

Turbinaria ornata 30

Pterocladia capillacea 20

Ceramium sp. Trace

Dictyophaeria versluysii Trace

Hypnea sp. Trace

Jania sp. Trace

Spacelaria sp. Trace

Valonia aegagropila Trace

08-13-97 Kihei, Maui, via Brooks Tamaye (DLNR-Maui), tumors, forestomach contents.

<u>Ulva rigida</u>	60%
<u>Pterocladia capillacea</u>	25
<u>Ulva reticulata</u>	10
<u>Grateloupia hawaiiiana</u>	3
<u>Bryopsis pennata</u>	Trace
<u>Cladophora sp.</u>	Trace
<u>Codium reediae</u>	Trace
<u>Laurencia sp.</u>	Trace
<u>Lyngbya majuscula</u>	Trace

Sponge (1.0 x 3.0 cm)

08-19-97 Kaneohe Bay, Clarence Burnen, forestomach, tumors

<u>Acanthophora spicifera</u>	94%
<u>Sargassum echinocarpum</u>	4
<u>Codium edule</u>	2
<u>Dictyota friabilis</u>	Trace
<u>Hypnea musciformis</u>	Trace
<u>Valonia aegagropila</u>	Trace

08-26-97 Kawainui Canal, Randy Lichter, forestomach contents, no tumors

<u>Acanthophora spicifera</u>	99%
<u>Pterocladia capillacea</u>	1
<u>Sargassum sp.</u>	Trace
<u>Sphacelaria sp.</u>	Trace

08-26-97 Spreckelsville, Maui, Stanley Roa via Skippy Hau (DLNR - Maui), forestomach contents, tumors

<u>Pterocladia capillacea</u>	90%
<u>Jania sp. (sand)</u>	10
<u>Codium sp.</u>	Trace

08-30-97 Maili Beach Park, Miles Ono (C&CLG) via Norie Murasaki (SSG), forestomach contents, no tumors

<u>Codium arabicum</u>	46%
<u>Pterocladia capillacea</u>	29
<u>Ulva fasciata</u>	23
<u>Codium edule</u>	2
<u>Spacelaria sp.</u>	Trace

09-01-97A Kaneohe Bay (Coconut Island), Myron Karate (HIMB Sec.) via Norie Murasaki (SSG), forestomach contents, no tumors

<u>Turbinaria ornata</u>	56%
<u>Pterocladia capillacea</u>	44
<u>Ceramium sp.</u>	Trace
<u>Dictyosphaeria cavernosa</u>	Trace
<u>Hemitrema fragilis</u>	Trace
<u>Hypnea musciformis</u>	Trace
<u>Polysiphonia sp.</u>	Trace
<u>Pterocladia capillacea</u>	Trace
Octacoral animal colony (2 cm ²)	

09-01-97B Kaneohe Bay (Coconut Island), Myron Karate (HIMB Sec.) via Norie Murasaki (SSG), forestomach contents, no tumors

<u>Acanthophora spicifera</u>	98%
<u>Dictyopteris plagiogramma</u>	2

09-01-97 Kaneohe Bay, Kess Wilson, Forestomach contents, no tumors.

<u>Acanthophora spicifera</u>	97%
<u>Dictyosphaeria cavernosa</u>	2
<u>Gracilaria salicornia</u>	1
<u>Ceramium sp.</u>	Trace

One fly larva

09-06-97 Haleiwa Alii Beach park, Pat Kelly (Ocean Safety) via Norie Murasaki (SSG), esophagus contents (=forestomach), tumors

<u>Pterocladia capillacea</u>	93%
<u>Ulva rigida</u>	7

09-16-97 Chun's Reef, Kaneohe Bay, Marlu Oliphant, T.W. #15031-01, 41.8 Sci F, stomach contents, tumors

<u>Pterocladia capillacea</u>	88%
<u>Ulva rigida</u>	7
<u>Codium edule</u>	5
<u>Laurencia nidifica</u>	Trace

09-21-97 Kahana, Maui, Kapono Alana DOCARE via Skippy Hau (DLNR-Maui), forestomach contents, tumors.

<u>Pterocladia capillacea</u>	75%
<u>Gracilaria coronopifolia</u>	9
<u>Ulva fasciata</u>	5
<u>Hypnea musciformis</u>	2
<u>Acanthophora spicifera</u>	Trace
<u>Dictyota friabilis</u>	Trace
<u>Laurencia nidifica</u>	Trace
<u>Lyngbya majuscula</u>	Trace
<u>Polysiphonia howei</u>	Trace

09-24-97 Kaneohe Bay, Heeia, Dr. sexton, forestomach contents, no tumors.

<u>Acanthophora spicifera</u>	99%
<u>Hypnea musciformis</u>	1
<u>Ceramium sp.</u>	Trace
<u>Champia parvula</u>	Trace
<u>Cladophora sp.</u>	Trace
<u>Codium edule</u>	Trace
<u>Laurencia nidifica</u>	Trace
<u>Sargassum sp.</u>	Trace

09-29-97 Kauai, Don Heacock (DLNR-Kauai) Forestomach contents, no tumors.

<u>Pterocladia capillacea</u>	95%
<u>Codium edule</u>	5
<u>Acanthophora spicifera</u>	Trace
<u>Amansia glomerata</u>	Trace

09-30-97 Wai Kaloa, GHB, Lagoon sample

<u>Rhizoclonium grande</u>	99%
<u>Bryopsis pennata</u>	1
<u>Centroceros clavulatum</u>	Trace
<u>Casuarina equisetifolia</u> (terrestrial vegetation)	
Snails (several micromolluscs)	

10-03-97 Waimanalo Beach, Janet Itano, forestomach contents, no tumors.

<u>Amansia glomerata</u>	97%
<u>*Chondrococcus hornemannii*</u>	2
<u>Dictyota friabilis</u>	1
<u>Cladophoropsis sp.</u>	Trace
*New name <u>Portieria hornemannii</u>	

10-06-97 Kaneohe Bay, Waiahole Beach Park, Lydia Garcia / Roy, forestomach contents, tumors.

<u>Acanthophora spicifera</u>	95%
<u>Hypnea musciformis</u>	5
Terrestrial grass fibers (a few)	

10-18-97 Kahala Mandarin Hotel, TW 15049, John Cruz via Karen Sayles (SSG), forestomach contents, tumors.

<u>Acanthophora spicifera</u>	99%
<u>Spyridia filamentosa</u>	1
Many small gastropods, nudibranchs	

11-07-97 Haleiwa, Joanne Pettigrew via Karen Sayles, forestomach contents, tumors.

<u>Pterocladia capillacea</u>	100%
<u>Ulva rigida</u>	Trace

11-10-97 Haleiwa Boat Harbor, Steve Leong via Karen Sayles (SSG) 15050, stomach, tumors.

<u>Codium edule</u>	75%
<u>Codium arabicum</u>	26
<u>Acanthophora spicifera</u>	Trace

11-10-97 Haleiwa, Cheryl Ruddach, #15046, forestomach contents, tumors.

<u>Acanthophora spicifera</u>	85%
<u>Coelothrix</u>	6
<u>Laurencia nidifica</u>	4
<u>Sargassum echinocarpum</u>	3
<u>Dictyota acuteloba</u>	2
<u>Champia parvula</u>	Trace
<u>Hypnea nidifica</u>	Trace
<u>Hypnea pannosa</u>	Trace

11-28-97 Paia, Maui, Ellsworth Nikaido via Skippy Hau, stomach contents, tumors

<u>Pterocladia capillacea</u>	85%
<u>Hypnea musciformis</u>	10
<u>Amansia glomerata</u>	5

11-30-97 Sunset Beach, via Filiesha LeRand (SSG) and Norie Murasaki (SSG),
forestomach contents, tumors.

<u>Ulva rigida</u>	70%
<u>Amansia glomerata</u>	30
<u>Alsidium</u> sp.	Trace
<u>Cladophoropsis</u> sp.	Trace
<u>Halimeda discoidea</u>	Trace
<u>Pterocladia capillacea</u>	Trace
Small groups of snail eggs	

12-09-97 Kawaihoa Beach, Marlu Oliphant / Audrey Sutherland, forestomach
contents, tumors.

<u>Pterocladia capillacea</u>	95%
<u>Ulva rigida</u>	5
<u>Hypnea musciformis</u>	Trace
Monofilament line (0.5 mm dia)	

12-14-97 Lilipuna Road, Kaneohe, Filiesha LeRand (SSG) Forestomach contents,
12-13?-97 tumored. Date on the sample is 12-13-97

<u>Halophila hawaiiiana</u>	95%
<u>Amansia glomerata</u>	5
<u>Acanthophora spicifera</u>	Trace
<u>Hypnea pannosa</u>	Trace
<u>Laurencia nidifica</u>	Trace
<u>Leveillea jungermannioides</u>	Trace

12-16-97 Kaneohe, Kii Hugo, Forestomach contents, tumors

<u>Hypnea pannosa</u>	50%
<u>Halophila hawaiiiana</u>	45
<u>Dictyosphaeria versluysii</u>	5
<u>Acanthophora spicifera</u>	Trace
<u>Laurencia nidifica</u>	Trace
<u>Sargassum</u> sp.	Trace

12-20-97 Kualoa Regional Park, Y=3, HPD / DOCARE via Filiesha LaRand, forestomach contents, tumor.

<u>Hypnea musciformis</u>	40%
<u>Halimeda discoidea</u>	30
<u>Acanthophora spicifera</u>	10
<u>Amansia glomerata</u>	10
<u>Pterocladia capillacea</u>	10
<u>Dictyota acuteloba</u>	Trace
<u>Laurencia sp.</u>	Trace
<u>Hypnea spinella</u>	Trace
<u>Sargassum echinocarpum</u>	Trace

12-22-97 Kaneohe Bay, Paul Murakawa, forestomach contents, tumors

<u>Codium edule</u>	84%
<u>Pterocladia capillacea</u>	9
<u>Codium arabicum</u>	4
<u>Laurencia nidifica</u>	3
<u>Acanthophora spicifera</u>	Trace
<u>Dictyosphaeria cavernosa</u>	Trace
<u>Halimeda discoidea</u>	Trace
<u>Sargassum polyphyllum</u>	Trace

01-15-98 Haleiwa Boat Harbor, Paul Sinsano, Forestomach contents, tumors.

<u>Acanthophora spicifera</u>	80%
<u>Ulva rigida</u>	10
<u>Laurencia nidifica</u>	5
<u>Hypnea musciformis</u>	3
<u>Pterocladia capillacea</u>	2
<u>Cladophora sp.</u>	Trace
<u>Casurina equisetifolia (terrestrial vegetation)</u>	
Sand	

01-18-98 Kailua Beach, DOCARE via Norie Murasaki, Forestomach contents, tumors.

<u>Codium edule</u>	52%
<u>Codium sp. ?</u>	25
<u>Dictyopteris plagiogramma</u>	10
<u>Laurencia nidifica</u>	8
<u>Siphonocladus tropicus</u>	5
<u>Ceramium sp.</u>	Trace
<u>Halimeda discoidea</u>	Trace
<u>Microdictyon japonica</u>	Trace
<u>Polysiphonia howeii</u>	Trace
<u>Sciania sp.</u>	Trace

01-19-98 Kahana Bay, DOCARE via Norie Murasaki (SSG), forestomach contents, no tumors.

<u>Acanthophora spicifera</u>	85%
<u>Sargassum echinocarpum</u>	10
<u>Hypnea musciformis</u>	5
<u>Laurencia sp.</u>	3
<u>Hypnea spinella</u>	Trace
<u>Microdictyon japonica</u>	Trace
<u>Polysiphonia howei</u>	Trace
<u>Schizothrix calcicola</u>	Trace

01-24-98 Kaneohe Bay (KMCAS) North Beach, DOCARE via Norie Murasaki (SSG), forestomach, no tumors

<u>Gelidium sp.</u>	50%
<u>Codium edule</u>	27
<u>Codium arabicum</u>	20
<u>Acanthophora spicifera</u>	3
<u>Halimeda discoidea</u>	Trace
<u>Lyngbya majuscula</u>	Trace
<u>Padina japonica</u>	Trace
<u>Sargassum polyphyllum</u>	Trace
<u>Sphacelaria sp.</u>	Trace
<u>Valonia aegagropila</u>	Trace

01-28-98 Iroquois Point, (near Barber's Point), Chief David Blausen, forestomach, tumors.

<u>Gracilaria salicornia</u>	45%
<u>Acanthophora spicifera</u>	33
<u>Halophila hawaiiiana</u>	22
<u>Ceramium sp.</u>	Trace

02-11-98 Ala Wai Yacht Harbor, Brian Desmond, forestomach, tumors

<u>Amansia glomerata</u>	100%
<u>Acanthophora spicifera</u>	Trace
<u>Laurencia sp.</u>	Trace

02-13-98 Maunalua Bay Beach Park, HPD Officer Palakiko via SLP, forestomach contents, tumors

<u>Amansia glomerata</u>	100%
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02-28-98 Heeia Kea Boat Harbor, via Norie Murasaki (SSG), forestomach contents, no tumors.

<u>Codium arabicum</u>	42%
<u>Halophila hawaiiiana</u>	26
<u>Acanthophora spicifera</u>	17
<u>Gelidium sp.</u>	10
<u>Kappaphycus alvarezii</u>	5
<u>Champia parvula</u>	Trace
<u>Zonaria hawaiiensis</u>	Trace

03-08-98 KMCAS via Nori Murasaki (SSG), forestomach contents, tumors

<u>Halophila hawaiiiana</u>	57%
<u>Codium arabicum</u>	30
<u>Codium edule</u>	10
<u>Sargassum polyphyllum</u>	3
<u>Dictyota acuteloba</u>	Trace
<u>Gracilaria salicornia</u>	Trace
<u>Halimeda discoidea</u>	Trace
<u>Spyridia filamentosa</u>	Trace

03-10-98 Magic Island, Anonymous male via Waikiki Aquarium, forestomach contents, no tumors.

<u>Pterocladia capillacea</u>	100%
<u>Acanthophora spicifera</u>	Trace
<u>Ceramium sp.</u>	Trace
<u>Champia parvula</u>	Trace
<u>Codium edule</u>	Trace
<u>Dictyopteris plagiogramma</u>	Trace

03-15-98 Waialeale Beach, DOCARE via Filiesha LeRand (SSG), forestomach contents, no tumors.

<u>Amansia glomerata</u>	55%
<u>Gelidiella acerosa</u>	22
<u>Codium arabicum</u>	17
<u>Codium edule</u>	4
<u>Turbinaria ornata</u>	2
* <u>Actinotrichia fragilis</u> *	Trace
<u>Dictyosphaeria versluysii</u>	Trace
*Old name was <u>Actinotrichia rigida</u> *	

03-15-98 Waialeale Beach, DOCARE via Filiesha LeRand (SSG), forestomach contents, no tumors.

<u>Gelidiella acerosa</u>	71%
<u>Codium edule</u>	18
<u>Codium arabicum</u>	6
<u>Amansia glomerata</u>	4
<u>Turbinaria ornata</u>	1
<u>Chondria sp.</u>	Trace
<u>Pterocladia capillacea</u>	Trace
<u>Valonia aegagropila</u>	Trace

03-15-98E Waialeale, DOCARE via Filiesha LaRand (SSG), forestomach contents, no tumors.

<u>Amansia glomerata</u>	79%
<u>Spyridia filamentosa</u>	11
<u>Turbinaria ornata</u>	6
<u>Dasya sp.</u>	4
<u>Cladophoropsis sp.</u>	Trace
<u>Microdictyon japonica</u>	Trace
<u>Casuarina equisetifolia</u> (terrestrial vegetation)	

ID

47 STOMACH - NECROPSY SAMPLES

2570 Dole Street
Honolulu, HI 96822-2396

TO Dennis Russell 3/24/98

DATE	CONTACT	LOCATION	CONTENTS	TUMORS
07/16/96	G. Balazs	Palaau, Molokai	Forestomach Contents	Y
07/20/96	G. Balazs	Palaau, Molokai	Forestomach Contents	Y
06/03/97	S. Coeruleoulba		Stomach	
07/07/97	Lisa via Skippy Hau	Olowalu, Maui	Stomach Contents	Y
07/27/97	Eddie Lewis (DOCARE) #15022-01	Honaunau, Big Island	Forestomach Contents	N
08/13/97	via Brooks Tamaye (DLNR-Maui)	Kihei, Maui	Forestomach Contents	Y
08/19/97	Clarence Burnen	Kaneohe Bay	Forestomach Contents	Y
08/26/97	Randy Lichter	Kawainui Canal	Forestomach Contents	N
8/26/97	Stanley Roa via S. Hau (DLNR-Maui)	Spreckelsville, Maui	Forestomach Contents	Y
8/30/97	Miles Ono via N. Murasaki (SSG)	Maili Beach Park	Forestomach Contents	N
09/01/97A	Myron Karate (HIMB Sec.) via Norie Murasaki (SSG)	Kaneohe Bay (Coconut Island)	Forestomach Contents	N
09/01/97B	Myron Karate (HIMB Sec.) via Norie Murasaki (SSG)	Kaneohe Bay (Coconut Island)	Forestomach Contents	N
09/01/97	Kess Wilson	Kaneohe Bay	Forestomach Contents	N
09/06/97	Pat Kelly (Ocean Safety) via Norie Murasaki (SSG)	Haleiwa Alii Beach Park	Esophagus Contents	Y
09/16/97	Marlu Oliphant	Chun's Reef	Stomach Contents	Y
09/21/97	Kapono Alana (DOCARE-Maui) via Skippy Hau (DLNR-Maui)	Maui, Kahana	Forestomach Contents	Y
09/24/97	Dr. Sexton	Kaneohe Bay (Heeia)	Forestomach Contents	N
09/29/97	Don Heacock (DLNR-Kauai)	Kauai	Forestomach Contents	N
09/30/97	GHB	Waikoloa	Lagoon Sample	N
10/03/97	Janet Itano	Waimanalo Beach	Forestomach Contents	N
10/06/97	Lydia Garcia/ Roy	Kaneohe Bay (Waiahole Beach Park)	Forestomach Contents	Y
10/18/97	John Cruz via Karen Sayles (SSG)	Kahala Mandarin Hotel	Forestomach Contents	Y
11/07/97	Joanne Pettigrew via Karen Sayles (SSG)	Haleiwa	Forestomach Contents	Y
11/10/97	Cheryl Ruddach	Haleiwa Ali'i Beach Park	Stomach Contents	Y
11/10/97	Steve Leong via Karen Sayles (SSG)	Haleiwa Boat Harbor	Forestomach Contents	Y
11/28/97	Ellsworth Nikaido via Skippy Hau (DLNR-Maui)	Paia, Maui	Stomach Contents	Y
11/30/97	Filiesha LeRand (SSG)/ Norie Murasaki (SSG)	Sunset Beach	Forestomach Contents	Y

12/09/97	Marlu Oliphant/ Audrey Sutherland	Kawailoa Beach	Forestomach Contents	Y
12/14/97	Filiesha LeRand (SSG)	Kaneohe Bay	Forestomach Contents	Y
12/15/97	Brooks Tamaye (DLNR-Maui)	Kahului Harbor, Maui	Forestomach Contents	Y
12/16/97	Kii Hugh	Kaneohe Bay	Forestomach Contents	Y
12/20/97	HPD/DOCARE via Filiesha LeRand (SSG)	Kualoa Regional Park	Forestomach Contents	Y
12/22/97	Paul Murakawa (DAR)	Kaneohe Bay	Forestomach Contents	Y
01/15/98	Paul Sinsano (Haleiwa Boat Harbor)	Haleiwa Boat Harbor	Forestomach Contents	Y
01-18-98	DOCARE via Norie Murasaki (SSG)	Kailua Beach	Forestomach Contents	Y
01-19-98	DOCARE via Norie Murasaki (SSG)	Kahana Bay	Forestomach Contents	N
01-24-98	DOCARE via Norie Murasaki (SSG)	Kaneohe Bay (KMCAS-North Beach)	Forestomach Contents	N
01-28-98	Chief David Blauer	Iroquois Point	Forestomach Contents	Y

2-11-98	Brian Desmond	Ala Wai Yacht Harbor	Forestomach Contents	Y
2-13-98	HPD Officer Palakiko via Sea Life Park	Maunaloa Bay Beach	Forestomach Content	Y
02-28-98	Norie Murasaki (SSG)	Heeaa Kea Boat Harbor	Forestomach Contents	N
03-08-98	Norie Murasaki (SSG)	KMCAS	Forestomach Contents	Y
03-10-98	Waikiki Aquaium via Anonymous male	Magic Island	Forestomach Contents	N
03-15-98A	DOCARE via Filiesha LeRand (SSG)	Waialeale Beach	Forestomach Contents	N
03-15-98B	DOCARE via Filiesha LeRand (SSG)	Waialeale Beach	Forestomach Contents	N
03-15-98D	DOCARE via Filiesha LeRand (SSG)	Waialeale Beach	Forestomach Contents	N
03-15-98E	DOCARE via Filiesha LeRand (SSG)	Waialeale Beach	Forestomach Contents	N

4 May 1998

Dear George,

These are the results of the 47 samples you sent to me in late March 1998.

Your credit has all been used (22), plus there are 25 additional which will be billed to you on the new system. I am presently doing the next group of samples you sent (Jan's samples). Results from these samples will be sent to you as fast as possible.

Aloha,

Dennis

P.S. I got a lot of good clean specimens from the 47 samples for our manual.