

3 of 4

2004 **alco**® Book II

Composition Book

Name

Rehabed Releases

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Grade \_\_\_\_\_

Wide Ruled

**G.H. BALAZS**

9 3/4 x 7 1/2 in. 100 Sheets

(24.76 x 19.05 cm)

Marine Turtle Research  
NOAA NMFS PIFSC  
2570 Dole Street  
Honolulu, Hawaii 96822

Revised 06/28/02

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

SEA TURTLE TAGGING FORM

Released by SME/DWF  
on 12-18-02 at Kawai  
canal at 2:55 p.m. Turn  
Span straight out.

DATE FORM FILLED OUT 12/18/02

CAPTURE DATE, LOCATION AND METHOD:

9/9/02	Kailua Bay Kawainui	Scoop Net
PERSON RECORDING DATA: SME/TH		

TUMOR SCORE <input type="checkbox"/>	OLD TAGS:	NEW TAGS: on 9-9-02
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>		RHF 4243312253
EMACIATION CODE <input type="checkbox"/>		LHF 425032434C
MT#	3 (For Yanat / KRF Study) - Redone - 3 <sup>rd</sup> let right	

STRAIGHT CARAPACE - LENGTH:	57.2 cm	WIDTH:	47.1 cm
NOTCH LENGTH:	56.4 cm	DB:	Ø L.O.
CURVED CARAPACE LENGTH:	61.0 cm	VB:	Ø L.O.
HEAD WIDTH:	8.5 cm	AXIAL:	20.9 cm
PPS: YES OR NO OR NE	yes	LATERAL:	20.9 cm
TAIL LENGTH: T	11.0 cm	SEX: Male, Female or Undetermined	U
RIGHT FRONT FLIPPER WIDTH:	9.7 cm	C	B-0 cm
PLASTRON LENGTH:	43.9 cm	SAMPLES COLLECTED: Blood by Dr. Morris on 12-17-02	
WEIGHT:	55.1 #		
DESCRIPTIVE REMARKS:			

68.0  
11.1  
55.1  
scales present  
PD = can't take reading  
P = 2.3

G = 2.9  
N = 2.6

DATE FORM FILLED OUT 9.9.02 [16 SEP 2002] TO KRF 9/10 FOR YONAT

CAPTURE DATE, LOCATION AND METHOD:  
9/9/02 KAILUA BAY SCOOT net

PERSON RECORDING DATA: GHB

TUMOR SCORE <input checked="" type="checkbox"/>	OLD TAGS: Marine Turtle Research NMFS HONOLULU LAB 2570 Dole Street Honolulu, HI 96822-2396	NEW TAGS: 4243312253 425032434C
ORAL TMRS EXT: YES OR NO <input checked="" type="checkbox"/>		
EMACIATION CODE <input checked="" type="checkbox"/>	MT# 3	

STRAIGHT CARAPACE - LENGTH: 55.5 cm WIDTH: 43.7 cm

NOTCH LENGTH: 55.2 cm DB: 0 L.O. VB: 0 L.O.

12/17/02 57.1  
CURVED CARAPACE LENGTH: 59.5 cm WIDTH: 54.0 cm

HEAD WIDTH: 8.4 cm AXIAL: 21.0 cm LATERAL: 22.2 cm

PPS: YES OR NO OR NE Y SEX: Male, Female or Undetermined U

TAIL LENGTH: T 10.0 cm C 0.0 cm

RIGHT FRONT FLIPPER WIDTH: 8.5 cm SAMPLES COLLECTED:

PLASTRON LENGTH: 43.1 cm  
WEIGHT: 53.0 #  
12/16/02 58lbs  
DESCRIPTIVE REMARKS: Blood by Dr. Morris

Mototoof #3 on 3rd lateral right

JULY 2002 REVISION

MARINE TURTLE RESEARCH PROGRAM  
NMFS-HONOLULU LABORATORY  
FOR INTERNAL USE ONLY

MTRP USE ONLY:  
TOPS: 03 FEB 2003  
LOGBOOK: 03 FEB 2003

**SEA TURTLE STRANDING QUESTIONNAIRE.** (definition of "stranding" is any injured, sick, dead, or abnormally acting sea turtle ashore). Note: Due to personnel safety concerns, we do not normally go into water over knee deep to salvage a turtle. However, we would like to record details of such reports.

To be filled out by Marine Turtle Research Program personnel or others as available. (i.e. Stranding line 983-5730, S. Eames x5747, S. Murakawa x5731, G. Balazs x5733).

**Note:** Normal working hours of, Marine Turtle Research Program personnel are 7:00 a.m. - 4:00 p.m. Monday-Friday. After hours, including weekends and holidays, please refer the caller to 24-hr. Hotline 587-0077 (Oahu), State Division of Conservation and Resources Enforcement (DOCARE) or page our contracted Sea Turtle Stranding Group at 288-5685. (NOTE: this pager number should NOT normally be given out to the public.)

The purpose of this questionnaire is to help facilitate a quick response (when appropriate and possible) to calls received from the public and other agencies concerning stranded (live or dead) sea turtles.

Person calling:

Name: Kirk Green  
Full mailing address: (optional - to send sea turtle literature)  
68-687 Farrington Highway  
Mokuleia, HI 96797

Date and time of call: 1/27/03 2:45 p.m.

Phone: 637-4102

Email: \*\*\*\*VERY IMPORTANT\*\*\*\*

Location

Where is this turtle located? On the beach in front of Mokuleia Polo Field. Turn on dirt road through Polo Field. Turtle is on beach.

How close is it to the nearest vehicle access way? on beach.

Turtle

Is the turtle alive or dead?  A  D  Uncertain

or "Is it possible for one person to lift and carry the turtle?"  Yes  No

"Best guess" of the weight of the turtle? \_\_\_\_\_ lbs. 25lbs. 50lbs. 100lbs. 200lbs.  
(or circle one above)

About how large (shell length) is the turtle? \_\_\_\_\_ 1/2 - 1 ft; 1 - 2 ft;  2 - 3 ft; 3+ ft

What is the condition of the turtle? Possible crack in its shell. Contact tried putting turtle in water but it didn't seem like it was going to swim away.  
(i.e. rotten, fresh, intact or not, unknown)

Are there any obvious signs as to the cause of death or injury? (such as tumors, fish hook, fish line, shark bite, boat impact, oil, tar, spear, etc.)

Any evidence of law enforcement violation? If yes, please briefly describe:

Assure the person that the turtle will be attended to and/or someone will call them back just as soon as humanly possible (when involving normal working hours). Personnel and other resource limitations may cause delays. If the person indicates that there is a law enforcement problem, ask them to also call 541-2727 NMFS Law Enforcement Office at the Federal Building. Explain briefly that the office they have called is the Research Branch of National Marine Fisheries Service and that we will also be involved in responding to a turtle stranding that relates to law enforcement, but only in unison with an enforcement agent. For MTRP personnel, a response will only be possible during normal working hours and only when there are sufficient working hours remaining in the day to accomplish the job. After our cases (from 4:00 p.m. to 7:00 a.m. weekdays) will be handled by our contracted Sea Turtle Stranding Group (pager 288-5685).

Name of person filling out this questionnaire: SME

If the person is calling from a neighbor island, and no one can be contacted in the Marine Turtle Research Program, please record the person's name and phone number and ask him or her to call the State DOCARE office or Division of Aquatic Resources Office located on their island, or call (from that neighbor island) the operator (dial "0") and ask for "Enterprise 5469"

Big Island: Hilo - 974-6208; or Kona - 327-4961; or Waimea - 887-6196  
Mokai: 553-5190  
Nai: 565-7916  
Maui: 274-3521  
Hawaii: 984-8110

Tried contacting Cody (SSG) to respond at 2:40 p.m.  
Cody will respond (3:40 p.m.)

Case: 798

Agent: Cody

Date: 1/27/03B

Called by: Shandell NMFS 983-5747

Reported by: ~~Curt~~<sup>Kirk</sup> Green

(NMFS has address, he didn't ever return my call)

Call rec'd: 3:00 pm

On site: 5:30 pm

Location: Mokuieia Polo Ranch - across polo fields

CLL: 63.5 cm

species: green

tumors: none vis

status: alive

tags: none vis

Shandell said the same turtle I responded to <sup>Sat. 1/26</sup> was back on the beach, since 6 AM. Curt Green said he put it in the water but it was lethargic.

Turtle has several small cracks on carapace (left side) and on left side of plastron. LFF also injured.

Brought to MAC.

Left info w/ Steve Turnbull & Daley - owner of Polo Ranch who let me use her driveway.

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 1/31/03

NECROPSY DATE: / / MTRP STRANDING ID 1-27-03B

CONTACT: Kirk Green via Cody Tholen (SSG)	DATE: 1-27-03B	LOCATION: Mokuleia, Oahu Polo Field
PERSON RECORDING DATA: DMF		

DESCRIPTIVE REMARKS:  
large crack on left + pectoral scute  
large cracks on left + right gular scute  
small crack on left + adomedial scute  
small crack on right femoral scute  
crack between 2nd and 3rd lateral, 3.0cm long  
healed notch on right postcentral scute  
hole exposing bone on right lateral scute  
Scratch crack on left 1st lateral scute, 7.0cm long, peeling  
old fishing line entanglement to LFF, swollen and bone disconnected, 2 hooks present in muscle  
Examined by Dr. Morris/GHB on 2-3-03. Determined LFF not being used properly therefore amputation surgery needed

TUMOR SCORE:	<input type="radio"/>	TAGS:		SEX: Male, Female or Undetermined	<input type="checkbox"/> U
ORAL TMRS EXT: YES OR NO	<input type="checkbox"/> N				
EMACIATION CODE:	<input type="checkbox"/> 0			MT#:	<input type="text"/>

STRAIGHT CARAPACE - LENGTH:	<input type="text"/> 59.8 cm	WIDTH:	<input type="text"/> 50.8 cm				
NOTCH LENGTH:	<input type="text"/> - cm	PPS (Y/N):	<input type="text"/> yes				
CURVED CARAPACE LENGTH:	<input type="text"/> 64.0 cm	WIDTH:	<input type="text"/> 58.0 cm				
HEAD WIDTH:	<input type="text"/> 9.3 cm	AXIAL:	<input type="text"/> cm	LATERAL:	<input type="text"/> cm		
TAIL LENGTH: T	<input type="text"/> 13.5 cm	C	<input type="text"/> 8.5 cm	DB:	<input type="text"/> -	VB:	<input type="text"/> -
RIGHT FRONT FLIPPER WIDTH:	<input type="text"/> 10.6 cm	SAMPLES COLLECTED:					
PLASTRON LENGTH:	<input type="text"/> 50 cm	<input type="text"/>					
WEIGHT:	<input type="text"/> 64.8 #	<input type="text"/>					

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE						
LEFT EYE						
MOUTH						
NECK						
RFF						
LFF						
RHF						
LHF						
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL						

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

OTHER INFORMATION:

Plu by SKB on 2-5-03 and taken to Makai Animal Clinic.  
 Lff amputation surgery on 2-6-03 by Dr. Momi's.  
 Plu by SKB on 2-7-03 and taken to NMR's Kef.  
 Given 3cc IM Amikacin on 2/10 by SKM and 2/14 by SKB.

TUMOR SCORE:

APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1cm DIAMETER
- #2 = >1cm TO 4cm
- #3 = >4cm TO 10cm
- #4 = >10cm





CONTINUED REPORT

MAKAI ANIMAL HOSPITAL  
420 ULUNIU ST.  
KAILUA, HI 96734

IDEXX VETERINARY SERVICES  
Online results at [www.vetconnect.com](http://www.vetconnect.com)  
West Region 800-444-4210  
East/Central/Colorado 888-433-9987

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS, MOKULEIA

REQ #: 4044312

LAB #: 10167524

AGE:

SEX:

COLLECTED: 01/29/2003

SPECIES:

RECEIVED: 01/30/2003 06:37

BREED: GREEN SEATURTLE

REPORTED: 01/30/2003 10:23

DOCTOR: MORRIS

TEST PROCEDURES

RESULTS

REFERENCE RANGE UNITS

REMARKS

NEUTROPHIL SEC = AZUROPHILS  
CELLS DO NOT APPEAR TOXIC OR REACTIVE  
RBC MORPHOLOGY APPEARS NORMAL.

NMFS, MOKULEIA

\*\*\* FINAL REPORT \*\*\*

PAGE 2 OF 2

TURTLE ID MOKULEIA Polo Ranch  
 DATE 1/29/03 1/29/03

	MEAN	SD	RANGE					
ALK. PHOS.	33.5	12.2	12-62	25				
ALT (SGPT)	3.9	7.0	0-50	31				
AST (SGOT)	158.4	41.5	1-270	140				
CK				2278				
LDH	203.8	180.4	55-1286	276				
ALBUMIN	1.7	.4	.6-2.2	1.3				
TOTAL PROTEIN	4.2	.6	2.9-5.6	3.9				
GLOBULIN	2.7	.5	1.8-4.0	2.6				
BUN	25.8	70.7	0-320	40				
CREATININE	.2	.1	.1-.5	.2				
CHOLESTEROL	140	43	32-280	74				
GLUCOSE	114.7	35	64-234	62				
CALCIUM	9.1	1.7	1.1-12.1	8.5				
PHOSPHORUS	8.2	1.3	5.9-11.8	3.7				
POTASSIUM	5.2	.9	3.9-8.6	4.8				
SODIUM	158	4.0	146-170	152				
A/G RATIO	.6	.2	2-1.2	.5				
URIC ACID	1.3	.8	0-4.5	.8				
CA/P RATIO	1.1	.13	.18-1.0					
WBC ESTIMATE								
WBC COUNT	13.8	5.3	5.9-23.6	8-10				
HEMATOCRIT	29	4	17-35	9.5				
HETEROPHILS	10	3	4-17	28				
NEUTROPHILS				37				
LYMPHOCYTES	71	8	53-83	4				
MONOCYTES	6	3	4-17	59				
EOSINOPHILS	13	6	4-29					
BASOPHILS	0	0	0-1					
ABSOL HETS	1380		236-4012	3145				
ABSOL NEUT				340				
ABSOL LYMPH	9798		3127-19588	5015				
ABSOL EOSINO	1794		236-6844					
ABSOL MONO	828		236-4012					
THROMBOCYTES								
LYM/HET RATIO	7.0		4-13	288				

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME \_\_\_\_\_ ADDRESS \_\_\_\_\_ TELEPHONE \_\_\_\_\_

PATIENT NAME \_\_\_\_\_ SPECIES \_\_\_\_\_ BREED \_\_\_\_\_ SEX \_\_\_\_\_ COLOR AND MARKINGS \_\_\_\_\_

ALTERED YES  NO  BIRTHDATE \_\_\_\_\_ SPECIAL INFORMATION \_\_\_\_\_ LAB \_\_\_\_\_ X-RAY \_\_\_\_\_

DATE	TEMP	DESCRIPTION
2/3/03		checked at Kewalo - eating - limited use of R flipper - decision to amputate RADS numerous cut thru - evidence of osteomyelitis - fibrous, union - partial wound in flipper (confirming fresh line (wound) - a large hole also embedded in R flipper - that could not be examined -
		Good results - morning 2 schedule surgery for 2/6/03 150mg amoxicillin given
2/3/03		turtle (to Maria) (for surgery)
2/6/03		Surgery - turtle had heat pad on shell to warm up 50mg telazol IV for sedation (1/2 recommended dose) forced ventilation 56% sevoflurane 10:04 10:12 quiet 10:16 measure blood (w/ pump) around shoulder area still responsive to needle 10:30 - sev on 7% start amputation 10:44 off gas on O <sub>2</sub> w/ breathing assistance Routine amputation at 1st - lots of fibrous tissue at fx site - closure 2-0 vcryl muscle tissue over shoulder capsule - 4-0 vcryl so - 4-0 vcryl skin suture - 11:40 end surgery 70 min HR 20 - 1cc Dopram IV to stimulate breathing 12:15 - HR 36 2:20 - HR 28



LIVE TURTLE EXAMINATION RECORD

Date: 1/27/03  
 Turtle ID: Maui Kai Poia Ranch  
 Comments: WT 64.8 Active

PHYSICAL EXAM

Head and neck: normal

Mouth: normal

Eyes: normal

Front flippers: base of I had thickened - bear tissue - possible old fall line injury?

Shell: \_\_\_\_\_

Plastron: concave with some large cracks in shell slightly flat plastron

Rear flippers: normal

Tail: normal

BODY CONDITION: mod ? to good.

SAMPLES TAKEN

PCV 30 T.P. 4.0

CBC

Chemistries

Others X-rays (4)

on report repeat page

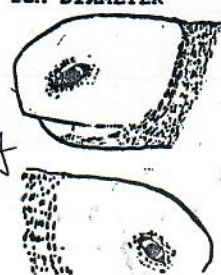
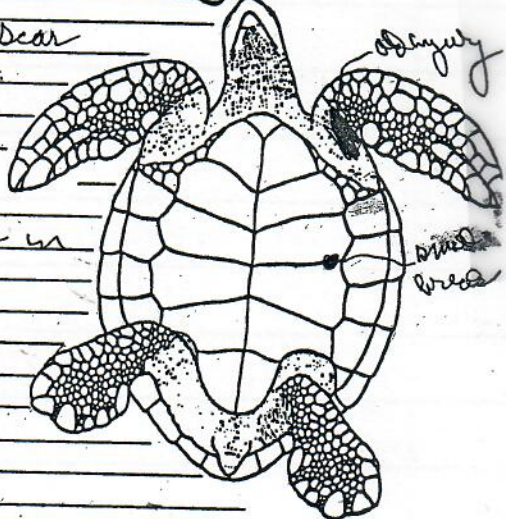
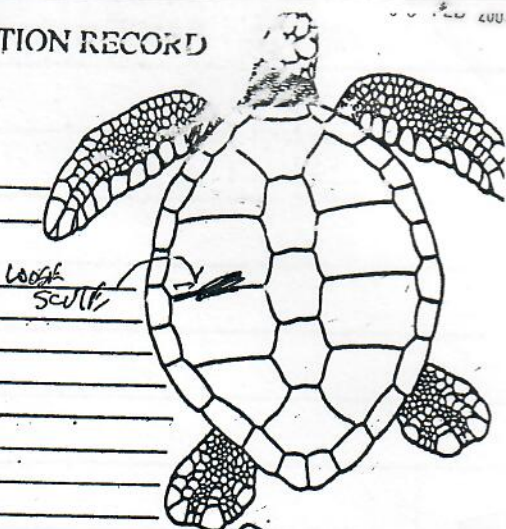
APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

RECOMMENDATIONS:

hold for blood results  
start on AB - AMKACW 150 mg q 24 hr - may need to keep for observation in Hsp @ 1/30 - 150 mg  
 Signed: Robert A. Morris ambrosium

MAKAI ANIMAL CLINIC, 420 Uluniu Street, Kailua, HI 96734



Revised 01/17/03

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

Released on  
2-10-03.

*Reduce*

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 2/10/03

(Comments on bottom of page.)

CAPTURE DATE, LOCATION AND METHOD:

1/27/03B	Mokuleia Polo Ranch, Oahu	Kirk Green via Cody Hoover (SSB) Stranding
PERSON RECORDING DATA: TH		

TUMOR SCORE <input type="text" value="0"/>	OLD TAGS: 	NEW TAGS: RHF BFL LFL LHF BHP
ORAL TMRS EXT: YES OR NO <input type="text" value="-"/>		442D7B2C33 
EMACIATION CODE <input type="text" value="0"/>	MT# "CH" on 2nd 1/2 laterals, white paint	442C514A24 

STRAIGHT CARAPACE - LENGTH: <input type="text" value="59.8"/> cm	WIDTH: <input type="text" value="50.8"/> cm
NOTCH LENGTH: <input type="text" value="59.5"/> cm	DB: <input type="text" value="0"/> L.O. VB: <input type="text" value="0"/> L.O.
CURVED CARAPACE LENGTH: <input type="text" value="64.0"/> cm	WIDTH: <input type="text" value="58.0"/> cm
HEAD WIDTH: <input type="text" value="9.3"/> cm	AXIAL: <input type="text" value="22.1"/> cm LATERAL: <input type="text" value="22.5"/> cm
PPS: YES OR NO OR NE <input type="text" value="No"/>	SEX: Male, Female or Undetermined <input type="text" value="U"/>
TAIL LENGTH: T <input type="text" value="13.5"/> cm	C <input type="text" value="8.5"/> cm
RIGHT FRONT FLIPPER WIDTH: <input type="text" value="10.7"/> cm	SAMPLES COLLECTED: <input type="text"/>
PLASTRON LENGTH: <input type="text" value="50.1"/> cm	<input type="text"/>
WEIGHT: <input type="text" value="61.7"/> #	SKIN FOLDS: 1 <input type="text"/> 2 <input type="text"/> 3 <input type="text"/>

DESCRIPTIVE REMARKS:  
 Plu by TH and taken to AZ.  
 Released a Kaneohe Bay Beach park by TH/SMT @ 11:50am  
 walked turtle out 50ft. Swam straight out  
 to 2ft of water.

## SEA TURTLE NECROPSY/TUMOR FORM

DATE FORM FILLED OUT 3/18/03

NECROPSY DATE: / /

MTRP STRANDING ID

3/15/03A

CONTACT: Danone (Deep Ecology) via Cody Hoover (SSG)	DATE: 3/15/03A	LOCATION: Haleiwa (Chun's Reef), Oahu
PERSON RECORDING DATA: TH		

DESCRIPTIVE REMARKS: originally reported as on found by Juan Cliphant, who removed fishing line from turtle and was holding it on the beach. Later reported as found by a tourist and line removed by a local guy. The interns for SSTI found these people with the turtle and after the fishing line was removed the local guy carried the turtle to SSTI. PM by Cody and taken to MAC. Glottal tumor surgery on 3/17/03. PM by TH and taken to KRF

- CA (carapace) - small 2-3cm <sup>nick</sup> on 4th central, 2nd lat. L/R, 3rd lat. left (can see bone/healed)
- entanglement ~~scute~~ on RFF and neck • PCA on plastron • USES RFF
- R post central broken • RFF necrotic tissue • extra plastral scute between pectoral scute on base (from fishing line) small

TUMOR SCORE:	<input type="text"/>	TAGS:	<input type="text"/>	SEX: Male, Female or Undetermined	<input type="text"/>
ORAL TMRS EXT: YES OR NO	N				
EMACIATION CODE:	I			MT#:	<input type="text"/>
STRAIGHT CARAPACE - LENGTH:	47.1 cm			WIDTH:	38.0 cm
NOTCH LENGTH:	46.7 cm			PPS (Y/N):	N
CURVED CARAPACE LENGTH:	50.0 cm			WIDTH:	45.5 cm
HEAD WIDTH:	7.4 cm	AXIAL:	<input type="text"/>	LATERAL:	<input type="text"/>
TAIL LENGTH: T	8.0 cm	C	6.0 cm	DB:	<input type="text"/>
				VB:	<input type="text"/>
RIGHT FRONT FLIPPER WIDTH:	7.7 cm	SAMPLES COLLECTED:			
PLASTRON LENGTH:	38.7 cm	<input type="text"/>			
WEIGHT:	27.0 #	<input type="text"/>			

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	2					2#1 anterior corner
LEFT EYE	2	1				1#2 anterior, 1#2 posterior
MOUTH		1				1#2 glottal
NECK						
RFF						
LFF	2					regressed?
RHF						
LHF						
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL						

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

YES  NO

OTHER INFORMATION:

TUMOR SCORE:

- APPROXIMATE TUMOR SIZE CATEGORIES:
- #1 = DETECTABLE PATCH TO 1cm DIAMETER
  - #2 = >1cm TO 4cm
  - #3 = >4cm TO 10cm
  - #4 = >10cm



LIVE TURTLE EXAMINATION RECORD

19 MAR 2003

127

Date: 3/15/03

Turtle ID: North Shore

Comments: Limp Around R FF  
REMOVED BY SAVE THE SEA TURTLE

PHYSICAL EXAM

Head and neck: Deep cut around neck from  
mons line

Mouth: #2 gutters tumor - difficulty breathing

Eyes: R - #1 tumor medial canthus visual  
L - #2 tumor lateral canthus #1 medial

Front flippers: R - Deep line lead at base  
and still movement

L - #1 loose vertical

Shell: normal

Plastron: slightly swollen caudal

Rear flippers: normal

Tail: normal

BODY CONDITION: mild emaciation

WT 27 LBS

SAMPLES TAKEN

PCV T.P.

CBC Chemistries

Others

APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

RECOMMENDATIONS: 3/17/03 - 3mg telavir IV - local

discontinue blood - third gutters tumor

some difficulty breathing - hold in place - 5mg Ondansetron

Signed: Robert J. Walker, DVM



MAKAI ANIMAL CLINIC, 420 Uluniu Street, Kailua, HI 96734

Revised 01/17/03

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396




*Reduce*

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT *3/17/03*

CAPTURE DATE, LOCATION AND METHOD:

*3/15/03* *Stranding from Haleiwa (Chun's Reef) on 3-15-03A* *Released Right-of-way Kauaiwai Canal at 12:40 pm*  
*KRF captive 3/17-3/27/03* *on 03/27/03*  
PERSON RECORDING DATA: *SJM* *by SJM +*

TUMOR SCORE <input type="text" value="1"/>	OLD TAGS: 	NEW TAGS: RHF <input type="text" value="44127F6129"/>  LHF <input type="text" value="4414473B5B"/> 
ORAL TMRS EXT: YES OR NO <input type="text" value="N"/>	EMACIATION CODE <input type="text" value="1"/>	
MT# <i>"OJ" on 2nd lateral left and right</i>		

STRAIGHT CARAPACE - LENGTH:  cm      WIDTH:  cm

NOTCH LENGTH:  cm      DB:  L.O.      VB:  L.O.

CURVED CARAPACE LENGTH:  cm      WIDTH:  cm

HEAD WIDTH:  cm      AXIAL:  cm      LATERAL:  cm

PPS: YES OR NO OR NE       SEX: Male, Female or Undetermined

TAIL LENGTH: T  cm      C  cm

RIGHT FRONT FLIPPER WIDTH:  cm      SAMPLES COLLECTED:

PLASTRON LENGTH:  cm

WEIGHT:  #      GLUCOSE: GB  MR

DESCRIPTIVE REMARKS:  
*base RFF and neck has a necrotic fissure due to entanglement (Neck 3/4 around neck, 1.5cm wide) necrotic fissure where glottal tumor used to be*

TUMORS  
*LFF 2#1  
L eye 3#1 (each corner), 1#1 upper lid  
R eye 2#1 (ant. corner)*

Revised 06/28/02

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

03 APR 2003

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 4/1/03

NECROPSY DATE: / / MTRP STRANDING ID 3/29/03

CONTACT: Brian Barahura via Andy Hooven (SSG)	DATE: 3/29/03	LOCATION: Campbell Industrial Park, Oahu
PERSON RECORDING DATA:		

DESCRIPTIVE REMARKS:  
 Found at Campbell Industrial Park and taken to contacts residence.  
 P/u by CH and taken to MAC on 3/30/03. Both FFs entangled in  
 monofilament line. LFF nearly severed. LFF amp. surgery at MAC  
 on 3/31/03. P/u by TH on 4/1/03 and taken to KRF.  
 • entanglement abrasions yet full use of RFF. CA  
 • removed <sup>many</sup> leech eggs from ventral Fs + plastron  
 • Left eye's posterior corner cloudy/inflamed?  
 • a few adult leeches.

TUMOR SCORE: 1	TAGS:	SEX: Male, Female or Undetermined <input type="checkbox"/>
ORAL TMRS EXT: YES OR NO <del>YES</del> N		
EMACIATION CODE: 1	MT#: -	

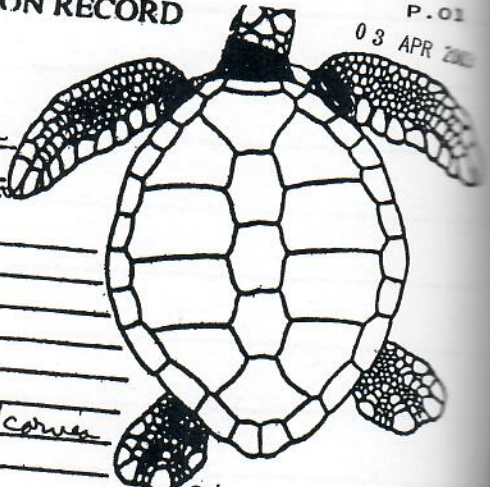
STRAIGHT CARAPACE - LENGTH: 41.2 cm	WIDTH: 34.6 cm
NOTCH LENGTH: 41.0 cm	PPS (Y/N): Y
CURVED CARAPACE LENGTH: 44.0 cm	WIDTH: 40.5 cm
HEAD WIDTH: 6.2 cm	AXIAL: cm LATERAL: cm
TAIL LENGTH: T 7.5 cm C 4.5 cm	DB: 0 VB: 0
RIGHT FRONT FLIPPER WIDTH: 7.6 cm	SAMPLES COLLECTED: LFF, fishing line + seaweed, fishing line
PLASTRON LENGTH: 32.8 cm	
WEIGHT: 20.6 #	

01-03 05:24P

# LIVE TURTLE EXAMINATION RECORD

P.01  
03 APR 2003

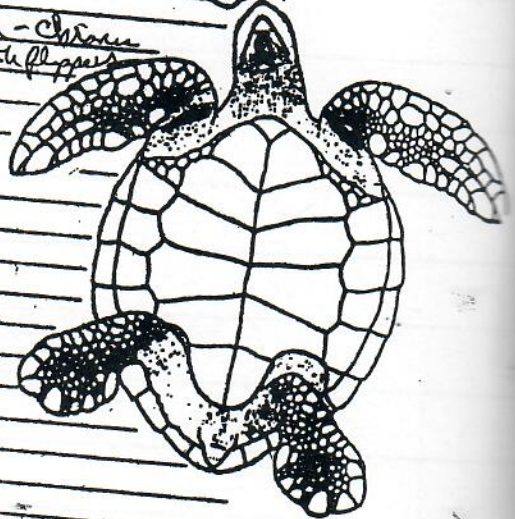
Date: 3/30/03  
 Turtle ID: Completed the pads  
 Comments: lymphatic nodes around the  
20.6 lbs 4cm (deepest) node  
**PHYSICAL EXAM**  
 Head and neck: normal



Mouth: clean - good

Eyes: OD - 2 #2 tumors conjunctiva/cornea  
 visible - OS no tumors

Front flippers: Left - more around flippers - chronic  
3 completed - no use - more around back flippers  
4 nodes - more around distal deep pad -  
 Shell: Just a head -



Plastron: normal

Tail: normal

BODY CONDITION: good

### SAMPLES TAKEN

PCV 17 T.P. 2.4  
 CBC \_\_\_\_\_  
 Others \_\_\_\_\_ Chemistries \_\_\_\_\_

### APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

### RECOMMENDATIONS:

Rad - RFF - get PCV -  
if RFF OK (with movement) complete h/f - try to R  
do things - evaluate in 4M  
 Signed: Robert A. Walker, DVM



MAKAI ANIMAL CLINIC, 420 Uluia Street, Kailua, HI 96734



Revised 01/17/03

*Adure*

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

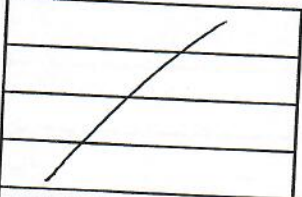


SEA TURTLE TAGGING FORM

Turtle released at right  
of way at Kawainui Canal  
on 4-14-03 at 1:45 pm. by *Ja*  
Swam out slowly but was  
breathing fine and swam  
out straight.

DATE FORM FILLED OUT 4113103

CAPTURE DATE, LOCATION AND METHOD:

3/29/03	Brian Barahura via SSG Campbell Ind. Park, Oahu	Stranding
PERSON RECORDING DATA: <i>TH/SKM</i>		

TUMOR SCORE <input type="checkbox"/> 1	OLD TAGS: 	<input type="checkbox"/> N 442F1A2D05  442F36327C 
ORAL TMRS EXT: YES OR NO <input checked="" type="checkbox"/> <del>Y</del> N		
EMACIATION CODE <input type="checkbox"/> 1	MT# "BB" 2nd laterals L/R	

STRAIGHT CARAPACE - LENGTH: <input type="text" value="41.3"/> cm	WIDTH: <input type="text" value="34.6"/> cm
NOTCH LENGTH: <input type="text" value="41.0"/> cm	DB: <input type="text" value="0"/> L.O.
CURVED CARAPACE LENGTH: <input type="text" value="44.0"/> cm	VB: <input type="text" value="0"/> L.O.
HEAD WIDTH: <input type="text" value="6.5"/> cm	WIDTH: <input type="text" value="40.5"/> cm
PPS: YES OR NO OR NE <input type="text" value="Y"/>	AXIAL: <input type="text" value="15.5"/> cm
TAIL LENGTH: T <input type="text" value="8.5"/> cm	LATERAL: <input type="text" value="15.3"/> cm
RIGHT FRONT FLIPPER WIDTH: <input type="text" value="7.5"/> cm	SEX: Male, Female or Undetermined <input type="text" value="U"/>
PLASTRON LENGTH: <input type="text" value="32.5"/> cm	C <input type="text" value="4.0"/> cm
WEIGHT: <input type="text" value="17.7"/> #	SAMPLES COLLECTED: <input type="text"/>

DESCRIPTIVE REMARKS:  
L eye posterior corner  
RPF base healed indentation from fishing  
line entanglement

GLUCOSE SKIN FOLDS:

1	2	3
<input type="text"/>	<input type="text"/>	<input type="text"/>

TUMORS:  
R. eye #1 (anterior corner)  
#2 (posterior corner)

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 04, 02, 03

NECROPSY DATE: / /

MTRP STRANDING ID 04-01-03A

CONTACT: Ray Carroll via Cody Trovren (SSG)	DATE: 04-01-03A	LOCATION: WAIKAWA, OAHU
PERSON RECORDING DATA: SKM		

DESCRIPTIVE REMARKS: Found alive after being accidentally hooked by contact's lure in front of contact's residence. Contact brought turtle to shore and removed hook from edge of RFF. Contact noticed 30# fishing line tightly entangling rff and loosely around neck. All fishing line removed by contact. Held overnight @ contact's residence. Plu by SKM on 4-2-03 and taken to NMFS Lab.  
RFF indented at base due to fishing line entanglement.  
LFF cut through to bone at base due to fishing line entanglement, swollen and necrotic.  
RFF tattered.  
Transferred to Makai Animal Clinic by GVB. Taken to NMFS KDF on 4-3-03 by SKM

TUMOR SCORE: <input type="checkbox"/>	TAGS: <input type="checkbox"/>	SEX: Male, Female <input type="checkbox"/> or Undetermined <input type="checkbox"/>
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>		
EMACIATION CODE: <input type="checkbox"/>	MT#: <input type="checkbox"/>	
STRAIGHT CARAPACE - LENGTH: <input type="text" value="37.1"/> cm	WIDTH: <input type="text" value="30.5"/> cm	
NOTCH LENGTH: <input type="text" value="36.9"/> cm	PPS (Y/N): <input type="text" value="Y"/>	
CURVED CARAPACE LENGTH: <input type="text" value="40.0"/> cm	WIDTH: <input type="text" value="36.0"/> cm	
HEAD WIDTH: <input type="text" value="6.1"/> cm	AXIAL: <input type="text" value="14.1"/> cm	LATERAL: <input type="text" value="14.3"/> cm
TAIL LENGTH: T <input type="text" value="7.5"/> cm	C <input type="text" value="4.5"/> cm	DB: <input type="text" value="0"/> VB: <input type="text" value="0"/>
RIGHT FRONT FLIPPER WIDTH: <input type="text" value="6.4"/> cm	SAMPLES COLLECTED: <input type="text"/>	
PLASTRON LENGTH: <input type="text" value="30.4"/> cm	<input type="text"/>	
WEIGHT: <input type="text" value="14.0"/> #	<input type="text"/>	

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE						
LEFT EYE						
MOUTH						
NECK						
RFF						
LFF						
RHF						
LHF						
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL						

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

-

OTHER INFORMATION:

Taken to MAC on 4/7/03. LFF amputated by Dr. Morris on 4/10/03.  
 Taken to NMFS REF by Dr. Morris on 4-11-03.  
 Given 0.5cc IP Baytril on 4/12, 4/14, 4/16  
 Flu by CH on 4-16-03 and brought to NMFS-Lab. Held in  
 A2 overnight.  
 Taken to MAC on 4-17-03 by SME then released at  
 Kaiwainui Canal, right of way.

TUMOR SCORE:

0

APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1cm DIAMETER
- #2 = >1cm TO 4cm
- #3 = >4cm TO 10cm
- #4 = >10cm



LIVE TURTLE EXAMINATION RECORD

Date: 4/2/03  
 Turtle ID: Waiawa  
 Comments: \_\_\_\_\_

Wt. 14.4

PHYSICAL EXAM

Head and neck: clean

Mouth: clean

Eyes: clean

Front flippers: R. flipper old line mark  
L. flipper - fish location from fishing line  
Does not go down to bone. Bone feels solid

Shell: clean

Plastron: clean, no emaciation

Rear flippers: clean

Tail: clean

BODY CONDITION: good

SAMPLES TAKEN

PCV 15 T.P. 2.6

CBC \_\_\_\_\_ Chemistries \_\_\_\_\_

Others \_\_\_\_\_

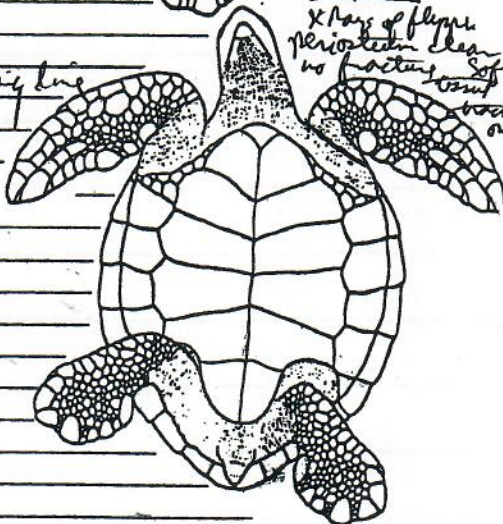
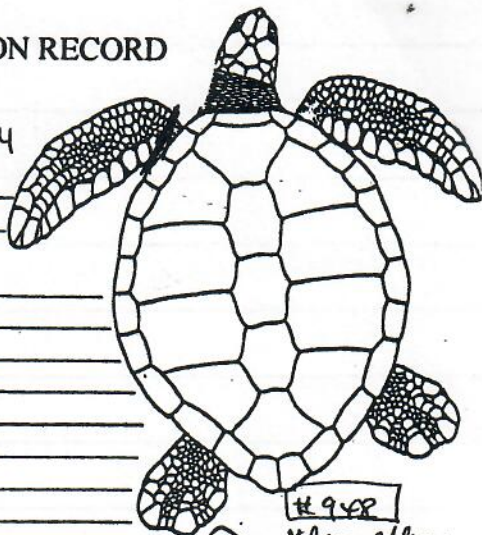
APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

RECOMMENDATIONS: fishing line cut as recent. Bone still viable  
allows to heal by secondary intention healing. Cover with  
antibiotics

Signed: Ed O'Connell, DVM TX @ American 0.65 IU  
q 3 days x 3 shots

MAKAI ANIMAL CLINIC, 420 Uluniu Street, Kailua, HI 96734



Revised 01/17/03

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

Released on 4-17-03  
at Kawaiui Canal, off  
of way by SME at  
Turtle swim straight on  
with no difficulty.

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 4/16/03

CAPTURE DATE, LOCATION AND METHOD:

4-01-03A	Ray Carroll v.a Cody Hoover (SSC)	Stranding Waialua, Oahu
PERSON RECORDING DATA: SME/CH		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

-

EMACIATION CODE

1

OLD TAGS:


NEW TAGS:

RHF

442F225A20

LHF

44334B1474

MT#

"W4" on 2nd lateral left and right

STRAIGHT CARAPACE - LENGTH:

37.2 cm

WIDTH: 31.4 cm

NOTCH LENGTH: 37.0 cm

DB:  L.O.

VB:  L.O.

CURVED CARAPACE LENGTH:

40.0 cm

WIDTH: 36.0 cm

HEAD WIDTH: 5.6 cm

AXIAL: 13.6 cm

LATERAL: 13.6 cm

PPS: YES OR NO OR NE  Y

SEX: Male, Female or Undetermined  U

TAIL LENGTH: T 7.0 cm

C 4.0 cm

RIGHT FRONT FLIPPER WIDTH:

6.1 cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 30.4 cm

WEIGHT: 12.0 #

GLUCOSE:

GB	MR	
----	----	--

DESCRIPTIVE REMARKS:

Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

19 MAR 200

\* Olive  
midley \*

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 3/18/03

NECROPSY DATE: 1 1 MTRP STRANDING ID 3-10-03B

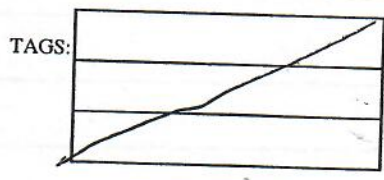
CONTACT: Captain Bill Sheeder (Hilton Rainbow) via Petty Officer Pham (Coast Guard)	DATE: 3-18-03B	LOCATION: Makua, Oahu
PERSON RECORDING DATA: SME		

DESCRIPTIVE REMARKS: **\* OLIVE MIDLEY \***  
 Turtle found entangled in a cargo net and pulled  
 onboard the vessel "Hilton Rainbow I." Brought into Waianae  
 Boat Harbor and p/u by SME. Taken to MAC.  
 abrasions on neck, FFs + HF3  
 - 5cm abrasion on plastron  
 - eyes sunken slightly  
 - 2.5 x 4.5cm abrasion 1st + 2nd left lateral  
 - ventral posterior end of carapace bloody  
 - RFF deep abrasion from netting (healing)

TUMOR SCORE:  0

ORAL TMRS EXT:  
YES OR NO  -

EMACIATION CODE:  0



SEX: Male, Female or Undetermined  U

MT#:  -

STRAIGHT CARAPACE - LENGTH:  60.7 cm

WIDTH:  59.3 cm

NOTCH LENGTH:  60.7 cm

PPS (Y/N):  Y

CURVED CARAPACE LENGTH:  68.0 cm

WIDTH:  74.0 cm

HEAD WIDTH:  11.5 cm

AXIAL:  25.8 cm

LATERAL:  25.7 cm

TAIL LENGTH: T  13.0 cm

C  11.0 cm

DB:  Ø VB:  Ø

RIGHT FRONT FLIPPER WIDTH:  8.6 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:  47.3 cm

WEIGHT:  20.4 #

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE						
LEFT EYE						
MOUTH						
NECK						
RFF						
LFF						
RHF						
LHF						
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL					0	

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

-

OTHER INFORMATION:

- cerata edges + HFs tapered.
- 6 left laterals
- 7 centrals
- 6 ~~left~~ right laterals

Examined by Dr. Morris on 3-21-03.  
 Given 2.7cc Amikacin on 3/27, 3/24, 3/27  
 Given 3.0cc Baytril on 4/13, 4/16, 4/17, 4/19

Plu by ck on 4/10/03 and brought to NMFS-Lab to insert  
 PDT tags. Taken to MAC for release.

TUMOR SCORE:

0

APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1cm DIAMETER
- #2 = >1cm TO 4cm
- #3 = >4cm TO 10cm
- #4 = >10cm

Date: 3/18/3  
 Turtle ID: makua wt 60.4  
 Comments: \_\_\_\_\_

**PHYSICAL EXAM**

Head and neck: NSF

Mouth: NSF

Eyes: NSF

Front flippers: ABRASIONS ON EDGE HUMERUS

Shell: ABRASSIONS

Plastron: HOLLING ULCER ~ 5cm

Rear flippers: ABRASIONS (R) MEDIAL + (L)  
MEDIAL

Tail: FEW ABRASSIONS

BODY CONDITION: GOOD

**SAMPLES TAKEN**

PCV 27 T.P. 3.00  
 CBC \_\_\_\_\_ Chemistries \_\_\_\_\_  
 Others \_\_\_\_\_

**APPROXIMATE TUNOR SIZE CATEGORIES:**

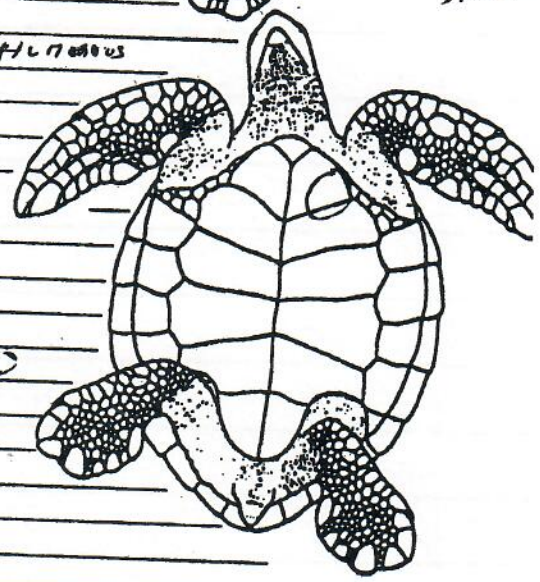
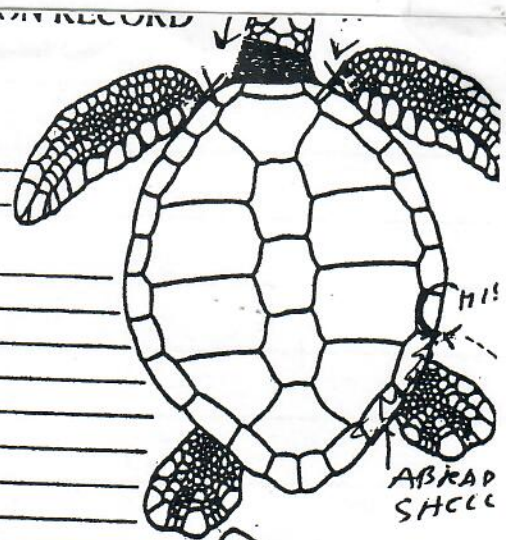
- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

**RECOMMENDATIONS: MONITOR & RELEASE**

2.7cc Amikacin IM R. Front Flipper, Give Amikacin 1mg 2.7cc  
on 3/21, 3/24, 3/27

Signed: [Signature]

**MAKAI ANIMAL CLINIC, 420 Uluniu Street, Kailua, HI 96734**



*Olive ridley*

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT *4/18/03*

CAPTURE DATE, LOCATION AND METHOD:

<i>3-18-03 B</i>	<i>Captain Bill Sheeder (Hilton Rainbow) via Petty officer Pham (Coast Guard)</i>	<i>Stranding Makua, Oahu</i>
PERSON RECORDING DATA: <i>CK/SME</i>		

TUMOR SCORE <input type="text" value="0"/>	OLD TAGS: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	NEW TAGS: RHF <input type="text"/> LHF <input type="text"/> <b>442F5D0144</b> 
ORAL TMRS EXT: YES OR NO <input type="text" value="—"/>		
EMACIATION CODE <input type="text" value="1"/>	MT#	

STRAIGHT CARAPACE - LENGTH:  cm      WIDTH:  cm

NOTCH LENGTH:  cm      DB:  L.O.      VB:  L.O.

CURVED CARAPACE LENGTH:  cm      WIDTH:  cm

HEAD WIDTH:  cm      AXIAL:  cm      LATERAL:  cm

PPS: YES OR NO OR NE       SEX: Male, Female or Undetermined

TAIL LENGTH: T  cm      C  cm

RIGHT FRONT FLIPPER WIDTH:  cm      SAMPLES COLLECTED:

PLASTRON LENGTH:  cm

WEIGHT:  #      GLUCOSE:  
GB      MR

DESCRIPTIVE REMARKS:

01 APR 2003

Care: 822

\* 2 entries \*

Agent: Cody

Date: 3/29/03

Called by: Doale 587-0077

Reported by: Brian Barahura 216-7514

Call rec'd: 5:30 pm

on site: 8 AM 3/30/03

Location: Campbell Ind Park (canal)

CLL: 44cm

species: grn

tumors: 2 small on (R)eye (#1)

Status: alive

tasp: none vis.

Brian reported a turtle with fishing line entangling flippers that he brought to his home from the canal in Campbell Ind Park. Picked it up in the morning. Turtle was lethargic, with both FF entangled & LFF nearly severed. Small tumors beginning in each corner of (R)eye brought to MAC.

Brian received info. when I picked up a turtle from him on 4/1/03. Wants to know what happens to turtle - may call in.

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 4/1/03

NECROPSY DATE: / / MTRP STRANDING ID 3/29/03

CONTACT: Brian Barahura via Cory Hoover (SSG)	DATE: 3/29/03	LOCATION: Campbell Industrial Park, Oahu
PERSON RECORDING DATA:		

DESCRIPTIVE REMARKS:  
 Found at Campbell Industrial Park and taken to contacts residence.  
 P/u by CH and taken to MAC on 3/30/03. Both FFs entangled in  
 monofilament line. LFF nearly severed. LFF amp. surgery at MAC  
 on 3/31/03. P/u by TH on 4/1/03 and taken to KRF.  
 • entanglement abrasions yet full use of RFF. CA  
 • removed <sup>many</sup> leech eggs from ventral Fs + plastron  
 • Left eye's posterior corner cloudy/inflamed?  
 • a few adult leeches.

TUMOR SCORE: 1	TAGS:	SEX: Male, Female or Undetermined <input type="checkbox"/>
ORAL TMRS EXT: YES OR NO <del>YES</del> N		
EMACIATION CODE: 1		MT#: -

STRAIGHT CARAPACE - LENGTH: 41.2 cm	WIDTH: 34.6 cm
NOTCH LENGTH: 41.0 cm	PPS (Y/N): Y
CURVED CARAPACE LENGTH: 44.0 cm	WIDTH: 40.5 cm
HEAD WIDTH: 6.2 cm	AXIAL: cm LATERAL: cm
TAIL LENGTH: T 7.5 cm C 4.5 cm	DB: 0 VB: 0
RIGHT FRONT FLIPPER WIDTH: 7.6 cm	SAMPLES COLLECTED: LFF, fishing line + <sup>from MK 4/2/03</sup> fishing
PLASTRON LENGTH: 32.8 cm	
WEIGHT: 20.6 #	



LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	1	1				1 #2 posterior corner 1 #1 anterior corner
LEFT EYE						
MOUTH						
NECK						
RFF						
LFF						
RHF						
LHF						
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL	1	1			2	

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

N/A

OTHER INFORMATION:

TUMOR SCORE:

1

APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1cm DIAMETER
- #2 = >1cm TO 4cm
- #3 = >4cm TO 10cm
- #4 = >10cm

LIVE TURTLE EXAMINATION RECORD

Date: 3/30/03  
Turtle ID: Compsid hnd pds  
Comments: typhlocyba w/ptd around rim  
20.6 lbs 44cm (head to base of eye)

PHYSICAL EXAM

Head and neck: normal

Mouth: clean - sand

Eyes: OD - 2 #2 tumors conjunctiva/cornea  
USDE - OS - no tumors

Front flippers: left - more rounded flipper - chitin  
3 complete ridges - more rounded distal flippers  
4 ridges - more rounded distal flippers

Shell: just a scud

Plastron: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

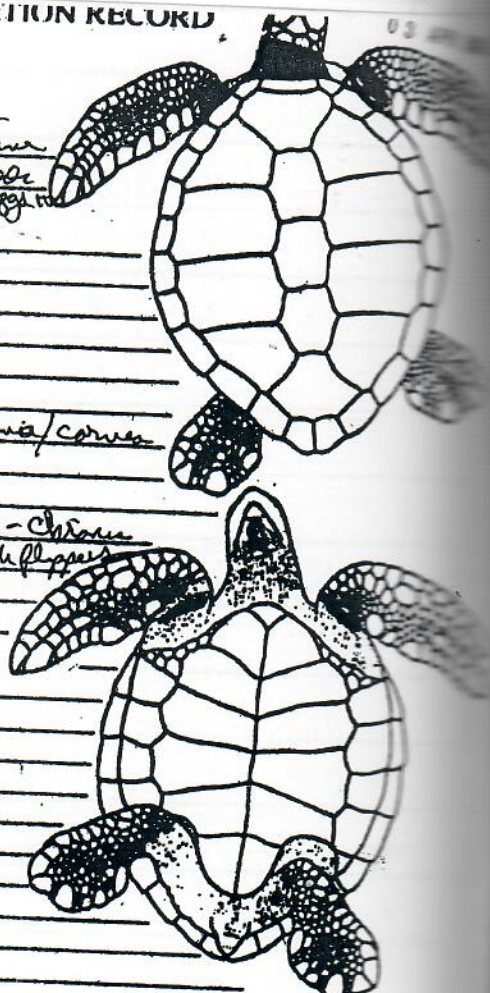
PCV 17 T.P. 2.4  
CBC \_\_\_\_\_ Chemistries \_\_\_\_\_  
Others \_\_\_\_\_

APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

RECOMMENDATIONS: RAD - RFF - good PCV -  
if RFF OK (via movement) complete RFF - try to R  
eye tumors - evaluate on visit  
Signed: Robert A. Walker, DVM

MAKAI ANIMAL CLINIC, 420 Uluia Street, Kailua, HI 96734





GB COPY

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

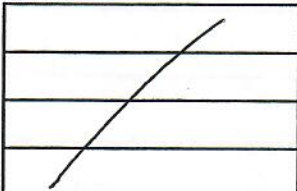


Turtle released at right  
of way at Kawainui Can  
on 4-14-03 at 1:45 pm  
Swam out slowly but was  
breathing fine and swam  
out straight.

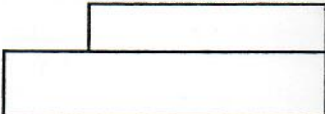
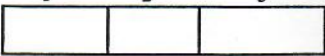
SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 4/13/03

CAPTURE DATE, LOCATION AND METHOD:

3/29/03	Bhian Barahura via SSG Campbell Ind. Park, Oahu	Stranding
PERSON RECORDING DATA: JT/SKLM		

TUMOR SCORE 1	OLD TAGS: 	NI 442F1A2D05 
ORAL TMRS EXT: YES OR NO <del>YES</del> N		PKF RFL 442F36327C 
EMACIATION CODE 1	MT# "BB" 2nd laterals L/R	

STRAIGHT CARAPACE - LENGTH: 41.3 cm	WIDTH: 34.6 cm
NOTCH LENGTH: 41.0 cm	DB: 0 L.O. VB: 0 L.O.
CURVED CARAPACE LENGTH: 44.0 cm	WIDTH: 40.5 cm
HEAD WIDTH: 6.5 cm	AXIAL: 15.5 cm LATERAL: 15.3 cm
PPS: YES OR NO OR NE Y	SEX: Male, Female or Undetermined U
TAIL LENGTH: T 8.5 cm	C 4.0 cm
RIGHT FRONT FLIPPER WIDTH: 7.5 cm	SAMPLES COLLECTED: 
PLASTRON LENGTH: 32.5 cm	
WEIGHT: 17.7 #	GLUCOSE SKIN FOLDS: 1 2 3 

DESCRIPTIVE REMARKS:  
L eye posterior corner slightly cloudy.  
RFF base healed indentation from fishing  
line entanglement

TUMORS:  
R eye #1 (anterior corner)  
#2 (posterior corner)

**Robert Morris**

---

**From:** "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
**To:** "Marc Rice- HPA" <mrice@hpa.edu>  
**Cc:** "Robert Morris" <morrisr005@hawaii.rr.com>; "Thierry Work" <thierry\_work@usgs.gov>  
**Sent:** Saturday, May 10, 2003 11:10 PM  
**Subject:** Re: Tumored turtle at Kiholo Bay (fwd)

- Shawn just dug out these data. The news is very bad. Very. The turtle has a long history of living at Kiholo. Maybe histopath and PCR will show something Other than fibropapilloma and alpha herpes virus (fat chance).

Date Location SCL CCL Weight  
4-26-90 Kiholo 37.7 41.0 18.0  
10-24-90 Kiholo 38.2 40.0 -  
1-13-92 Kiholo 39.0 39.5 18.0  
2-8-94 Kiholo 41.6 44.0 -

Revised 06/28/02

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

28 MAY 2003

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 05/15/03

NECROPSY DATE: / / MTRP STRANDING ID 05/10/2003

CONTACT: Mare Rive	DATE: 05/10/03	LOCATION: Kiholo, Hawaii
PERSON RECORDING DATA: CR		

DESCRIPTIVE REMARKS:

Broken <sup>claws</sup> ~~claws~~ on both left and right hind flippers  
 small puncture/indentations on plastron  
 Algae growth on plastron edges  
 Tag on Right front flipper - overgrown w/ algae so 4-6 visible (4-6 visible after algae removed)  
 Tag on LHF: H18. ~~no~~ algae on this tag.  
 Given 0.005 IM Amikacin on 5/10, 5/14, and 5/22  
 Cracked/missing part of left marginal 7<sup>th</sup>-8<sup>th</sup> scutes 48.6 bottom

TUMOR SCORE: 2/	TAGS: RFF 4-6/6 metal tag	SEX: Male, Female or Undetermined <input type="checkbox"/>
ORAL TMSR EXT: YES OR NO: Y/	LHF H18 metal tag	
EMACIATION CODE: 0		MT#: -

STRAIGHT CARAPACE - LENGTH: 59.4 cm	WIDTH: 49.6 cm
NOTCH LENGTH: 59.0 cm	PPS (Y/N): Y/
CURVED CARAPACE LENGTH: 63.6 cm	WIDTH: <del>58.1</del> 58.1 cm
HEAD WIDTH: 10.7 cm	AXIAL: - cm LATERAL: - cm
TAIL LENGTH: T 13.0 cm C 9.0 cm	DB: <input checked="" type="checkbox"/> VB: <input checked="" type="checkbox"/>
RIGHT FRONT FLIPPER WIDTH: 11.0 cm	SAMPLES COLLECTED:
PLASTRON LENGTH: 48.6 cm	
WEIGHT: 64.0 #	

LOCAL. ON, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	2	/			2	posterior
LEFT EYE						
MOUTH			1	/	1	right jaw hinge
NECK	3	/			3	1 on left side of neck 2 on right side of neck
RFF		1	/		1	
LFF	1	/			1	
RHF						
LHF						
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL	6	1	1		8	

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

Y

OTHER INFORMATION:

TUMOR SCORE:

2

LIVE TURTLE EXAMINATION RECORD

Date: 5-11-03  
 Turtle ID: HAWAII - KITHOLO  
 Comments: 1st tumor on turtle from  
the Oahu area - brought 4/26/00 at 1980  
 PHYSICAL EXAM WT 6450g

Head and neck: #1 tumor on head  
3-#2 tumors neck area

Mouth: #3 Right Jaw large tumor & low lying  
#2 tumor Swallow - calcified glottis tumor  
#2 - #4 tumor ventral

Eyes: OS #1 tumor calc. nodules, purging  
type tumors upper & lower lid / OD #3 tumor  
visual disturbance

Front flippers: L - #2 tumor, R. 2 #2 tumors  
L #1 tumor

Shell: normal

Plastron: flat but firm

Rear flippers: normal

Tail: normal

BODY CONDITION: Mild emaciation

SAMPLES TAKEN

PCV 24 T.P. 3.4  
 CBC  Chemistries   
 Others Screen for AB prange  
fluids

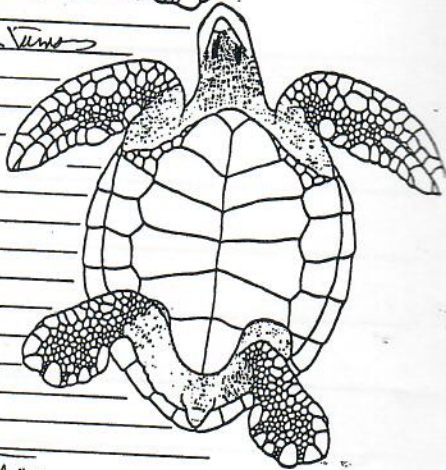
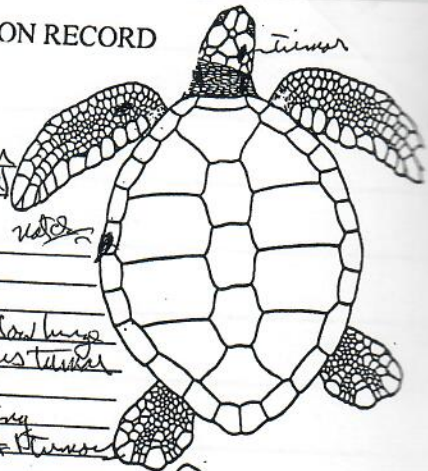
APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

RECOMMENDATIONS: Had for samples - consider  
surgery - glottis & low lying - possible dermis  
2 biopsies Normal R/L

Signed: Ronald A. Moore DVM

MAKAI ANIMAL CLINIC, 420 Uluniu Street, Kailua, HI 96734





MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME KONA-KIHOLO - NHFS		ADDRESS		TELEPHONE	
F	NT NAME	SPECIES	BREED CREED TURTLE	SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION BASKING		LAB	X-RAY

DATE	TEMP	DESCRIPTION
5/13/03		<p>Blood counts - CK &amp; Wb highly elevated (MUSCLE) Mild anemia w/ WBC higher than we usually see + reversal of heterophils / lymphocyte ratios (infection)</p> <p>A) Multiple tumors - gotta move like breathing - probably metastasizing</p> <p>P) will plan on surgery for glottis tumor removed for low lung (lung) + cryo for small low lung tumor.</p> <p>Surgery:</p> <ul style="list-style-type: none"> <li>1) Sed (50 mg) telazol IV for sedation</li> <li>2) Local blocks in glottis tumor</li> <li>3) good sedation with 1/2 recommended dosage telazol</li> <li>4) 2 cm glottis tumor - (2 cm) 1/2 freeze 1/2 formal control bleeding</li> <li>5) Pass endotracheal tube to evaluate breathing</li> <li>6) inject 3cc Dermis into low lung (B) tumor</li> <li>7) biopsy with R shoulder tumor - freeze</li> <li>8) empty 5ml L. shoulder tumor formally</li> <li>9) 5cc whole blood in heparin saved for virus studies - (Cornell)</li> </ul> <p>dermis at 726 exp 12/30/03</p> <p>10) Start on Amoxicillin 150 mg q 22h. Discontinue 3 more injections 150mg - more tumors could be removed at Qtrly visit plan on RADs abdomen next visit</p> <p>11) Recovery good - to be evaluated 5/14/03 prognosis fair.</p>

RIM

**MEDICAL HISTORY - CLINICAL RECORD**

OWNER NAME		ADDRESS		TELEPHONE	
ENT NAME	SPECIES	BREED	SEX	COLOR AND MARKINGS	
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION	LAB	X-RAY	

DATE	TEMP	DESCRIPTION
6/2/63.		Checked at Keweenaw - still anorectic ↓ w/ large dermal tumor + gage - scheduled for Malignancy & release 6/5 - freeze & biopsy of the tumor -
6/5/63		from Keweenaw to Malvern & then release - 1 dermal tumor + gage (4cm) PI Local Malignancy - 2 derms tumors 2.5 cm. 1 cm (1) Remove remaining dermal tumors (except base) (2) excise 2 # 2.5 from R hind p. p. p. area (3) excise 2 # 2.5 from L hind p. p. p. area - section 3-0 - very - 1/3-0 over - (4) section tumors 1/2 formalin; freeze from C, B (4) freeze head, neck & 2 p. p. p. tumors tumor released -
		(R)

TURTLE ID KONA-KITHOLO 5/11/03  
 DATE 5/13/03 5/13/03

	MEAN	SD	RANGE	
ALK. PHOS.	33.5	12.2	12-62	18
ALT (SGPT)	3.9	7.0	0-50	4
AST (SGOT)	158.4	41.5	1-270	308
CK				70000
LDH	203.8	180.4	55-1286	72000
ALBUMIN	1.7	.4	.6-2.2	1.4
TOTAL PROTEIN	4.2	.6	2.9-5.6	4.5
GLOBULIN	2.7	.5	1.8-4.0	3.1
BUN	25.8	70.7	0-320	20
CREATININE	.2	.1	.1-.5	0.3
CHOLESTEROL	140	43	32-280	175
GLUCOSE	114.7	35	64-234	55
CALCIUM	9.1	1.7	1.1-12.1	9.8
PHOSPHORUS	8.2	1.3	5.9-11.8	6.2
POTASSIUM	5.2	.9	3.9-8.6	3.7
SODIUM	158	4.0	146-170	143
A/G RATIO	.6	.2	.2-1.2	0.5
URIC ACID	1.3	.8	0-4.5	
CA/P RATIO	1.1	.13	.18-1.0	
WBC ESTIMATE				16-18
WBC COUNT	13.8	5.3	5.9-23.6	17.1
HEMATOCRIT	29	4	17-35	24
HETEROPHILS	10	3	4-17	74
NEUTROPHILS				7
LYMPHOCYTES	71	8	53-83	16
MONOCYTES	6	3	4-17	1
EOSINOPHILS	13	6	4-29	2
BASOPHILS	0	0	0-1	
ABSOL HETS	1380		236-4012	12124
ABSOL NEUT				1197
ABSOL LYMPH	9798		3127-19588	2736
ABSOL EOSINO	1794		236-6844	242
ABSOL MONO	828		236-4012	171
THROMBOCYTES				11020
LYM/HET RATIO	7.0		4-13	

MAKAI ANIMAL HOSPITAL  
420 ULUNIU ST.  
KAILUA, HI 96734

IDEXX VETERINARY SERVICES  
Online results at [www.vetconnect.com](http://www.vetconnect.com)  
West Region 800-444-4210  
East/Central/Colorado 888-433-9987

1-808-262-9621 ACCOUNT #: 1303

PATIENT: HMFS, KONA

REQ #: 4060048  
AGE: SEX:  
SPECIES: REPTILE  
BREED: SEA TURTLE

LAB #: L0842793  
COLLECTED: 05/13/2003  
RECEIVED: 05/13/2003 06:49  
REPORTED: 05/13/2003 12:18

DOCTOR: MORRIS  
TEST PROCEDURES

REPTILIAN PROFILE #1  
REPTILIAN PANEL #1

\* ALK. PHOSPHATASE  
\* ALT (SGPT)  
\* AST (SGOT)  
\* CK

RESULTS

REFERENCE RANGE UNITS

GREATER THAN 100,000  
RESULT VERIFIED BY REPEAT ANALYSIS

\* LDH  
GREATER THAN 2000  
RESULT VERIFIED BY REPEAT ANALYSIS

\* ALBUMIN 1.4  
\* TOTAL PROTEIN 4.5  
\* GLOBULIN 3.1  
\* BUN 20  
\* CREATININE 0.3  
\* CHOLESTEROL 175  
\* GLUCOSE 85  
\* CALCIUM 8.8  
\* PHOSPHORUS 6.2  
\* POTASSIUM 3.7  
\* SODIUM 143  
\* A/G RATIO 0.5  
\* URIC ACID 4.2

AVIAN/EXOTIC CBC AND PLASMA PROTEIN  
WBC-EST 16-18  
WBC COUNT 17.1  
HCT 24.0  
HETEROPHILS 74  
NEUTROPHIL SEG 7  
LYMPHOCYTES 16  
MONOCYTES 1  
EOSINOPHIL 2

IU/L  
IU/L  
IU/L  
IU/L  
IU/L  
g/dL  
g/dL  
g/dL  
mg/dL  
mg/dL  
mg/dL  
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THOUS.  
%  
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%

HMFS, KONA

FINAL REPORT - CONTINUED ON NEXT FORM  
\* - indicates test previously reported

CONTINUED REPORT

MAKAI ANIMAL HOSPITAL  
420 ULUNIU ST.  
KAILUA, HI 96734

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COLLECTED: 05/13/2003  
RECEIVED: 05/13/2003 06:49  
REPORTED: 05/13/2003 12:18

DOCTOR: MORRIS

TEST PROCEDURES

	RESULTS	REFERENCE RANGE	UNITS
ABSOLUTE HETEROPHIL	12654		/uL
ABSOLUTE NEUTROPHIL SEG	1197		/uL
ABSOLUTE LYMPHOCYTE	2736		/uL
ABSOLUTE MONOCYTE	171		/uL
ABSOLUTE EOSINOPHIL	342		/uL
THROMBOCYTES	ADEQUATE		/uL

BLOOD PARASITES  
NO PARASITES SEEN

REMARKS

CELLS DO NOT APPEAR TOXIC OR REACTIVE  
RBC MORPHOLOGY APPEARS NORMAL.  
DIFFERENTIAL MAY BE AFFECTED DUE TO MANY SMUDGE CELLS PRESENT.  
NEUTROPHIL SEG = AZUROPHILS

HMFS, KONA

\*\*\* FINAL REPORT \*\*\*  
\* - indicates test previously reported

PAGE 2 OF 2

Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

SEA TURTLE NECROPSY/TUMOR FORM

DATE FORM FILLED OUT 6/4/03

Release DATE: 6/5/03 MTRP STRANDING ID 5-10-03

by SME/IM/LC/AW/ND  
at Kawai'i Canal  
at way, 3:00 p.m. The  
swam around near  
and was slightly  
buoyant for me  
Then swam

CONTACT: Marc Rice (HPA)	DATE: 5-10-03	LOCATION: Kiholo, Hawaii
PERSON RECORDING DATA: SME/TH		

DESCRIPTIVE REMARKS: Turtle found basking at Turtle Beach, Kiholo Bay, and p/u by M. Rice. It was shipped to NMFS-Honolulu via Aloha Air Cargo and taken to MAC. Surgery performed by Dr. Morris to remove glottal and jaw hinge tumors. Dermex injected in other tumors.

Cracked marginals (indentation) 7.5 x 1.5 cm between 7th & 8th left marginals  
Necrotic patch on dorsal neck near head

TUMOR SCORE: 2	TAGS: LHF #10	442C5B3062	X: Male, Female
ORAL TMRS EXT: YES OR NO	YES	RFL Y-676	Undetermined
EMACIATION CODE: 2	LHF	442C7D130A	MT#
STRAIGHT CARAPACE - LENGTH: 58.9 cm	59.4 cm	NEW	WIDTH: 49.7 cm
NOTCH LENGTH: 58.9 cm			PPS (Y/N): YES
CURVED CARAPACE LENGTH: 63.0 cm			WIDTH: 58.0 cm
HEAD WIDTH: 9.5 cm	AXIAL: 20.9 cm		LATERAL: 20.9 cm
TAIL LENGTH: T 12.5 cm	C 8.5 cm		DB: <input type="checkbox"/> VB: <input type="checkbox"/>
RIGHT FRONT FLIPPER WIDTH: 10.1 cm			SAMPLES COLLECTED: Blood
PLASTRON LENGTH: 47.4 cm			Tumors - Both frozen
WEIGHT: 54.0 #			and in 10% formalin

Marine Turtle Research  
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Honolulu, HI 96822-2396

SEA TURTLE NECROPSY/TUMOR FORM

DATE FORM FILLED OUT 6/4/03

Release DATE: 6/5/03 MTRP STRANDING ID 5-10-03

by SAE/IM/LC/AW/ND  
at Kawai'i Canal  
of way, 3:00 p.m. T  
swam around near sb  
and was slightly  
buoyant for me  
then swam

CONTACT: Marc Rice (HPA)	DATE: 5-10-03	LOCATION: Kiholo, Hawaii
PERSON RECORDING DATA: SAE/TH		

DESCRIPTIVE REMARKS: Turtle found basking at Turtle Beach, Kiholo Bay, and pln by M. Rice. It was shipped to NMFS-Honolulu via Aloha Air Cargo and taken to MAC. Surgery performed by Dr. Morris to remove glottal and jaw angle tumors. Dermex injected in other tumors.

Cracked marginals (indentation) 7.5 x 1.5 cm between 7th & 8th left marginals  
Necrotic patch on dorsal neck near head

TUMOR SCORE: 2	TAGS: LHF #10	442C5B3062	X: Male, Female	<input checked="" type="checkbox"/>
ORAL TMRS EXT: YES OR NO	YES	RFL Y-676	Undetermined	<input checked="" type="checkbox"/>
EMACIATION CODE: 2	LHF	442C7D130A	MT#	"H10" 2nd last left/right
STRAIGHT CARAPACE - LENGTH: 58.9 cm	59.4 cm	NEW	WIDTH: 49.5 cm	
NOTCH LENGTH: 50.9 cm			PPS (Y/N):	yes
CURVED CARAPACE LENGTH: 63.0 cm			WIDTH: 58.0 cm	
HEAD WIDTH: 9.5 cm	AXIAL: 20.9 cm		LATERAL: 20.9 cm	
TAIL LENGTH: T 12.5 cm	C 0.5 cm		DB: <input checked="" type="checkbox"/>	VB: <input checked="" type="checkbox"/>
RIGHT FRONT FLIPPER WIDTH: 10.1 cm			SAMPLES COLLECTED: Blood	
PLASTRON LENGTH: 47.4 cm			Tumors - Both frozen	
WEIGHT: 54.0 #			and in 10% formalin	

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	3				3	1#1 posterior 1#1 upper eyelid 1#1 anterior
LEFT EYE	2				2	1#1 posterior 1#1 ringing
MOUTH	3	2			5	1#1 Lower mandible left side 1#1 RSH - Necrotic & eroding
NECK	2	1			2	
RFF		1	1		1	
LFF	1				1	
RHF						
LHF						
CLOACA / TAIL						
SEAMS / SCUTES	1				1	Right side of head posterior to rt. eye
INTERNAL						
TOTAL	12	2			14	

1# 2 LSH  
1# 1 Tongue  
1# 2 girth

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO  yes

OTHER INFORMATION:

6/5/03 - Dr. Morris performed surgery to remove RSH tumor.  
Excised 2#2 from RFF  
" 2 tumors from neck  
Cryofroze head, neck, & flipper tumors

TUMOR SCORE:  2



Revised 06/28/02

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 05/29/03

NECROPSY DATE: / / MTRP STRANDING ID 052903

CONTACT: Eriko + Frank Navrati Via Heather Chandler/Laura Campbell (UHM mop)	DATE: 05-29-03	LOCATION: Punaluu Black Sand Beach, Hawaii
PERSON RECORDING DATA: SKB		

DESCRIPTIVE REMARKS: Found alive beached with RHF nearly severed. Bone exposed and fractured. (Call received yesterday, but turtle had returned to water). Plu by Heather/Laura and shipped to NMFS in Honolulu via Aloha Air cargo. Plu by CH + TH and taken to MAC.

- abrasions on plastron  
- 2.5 x 1.5 cm skin removed about chesting near detail  
Plu by SKB on 6-2-03 and taken to NMFS-KIT.  
Given 13.0cc Iru Amikacin on 6/4 + 6/7/03 by TH/SKB

TUMOR SCORE: 0	OLD TAGS: K272 LFL, K273 RFL	SEX: Male, Female or Undetermined <input type="checkbox"/>
ORAL TMRS EXT: YES OR NO -	K274 RHF, B19 LHF	
EMACIATION CODE: 1	H13E330931 LHF	MT#: <input type="text"/>
	407D313901 LFF	
STRAIGHT CARAPACE - LENGTH: 62.7 cm		WIDTH: 49.0 cm
NOTCH LENGTH: 62.6 cm		PPS (Y/N): <input type="checkbox"/>
CURVED CARAPACE LENGTH: 67.5 cm		WIDTH: 63.5 cm
HEAD WIDTH: 9.5 cm	AXIAL: <input type="text"/> cm	LATERAL: <input type="text"/> cm
TAIL LENGTH: T 16.5 cm	C 11.5 cm	DB: <input checked="" type="checkbox"/> VB: <input checked="" type="checkbox"/>
RIGHT FRONT FLIPPER WIDTH: 10.0 cm	SAMPLES COLLECTED: <input type="text"/>	
PLASTRON LENGTH: 50.6 cm	<input type="text"/>	
WEIGHT: 68.8 #	<input type="text"/>	

W 168.8 ~~8~~ <sup>8</sup> LIVE TURTLE EXAMINATION RECORD

Date: 5/29/03  
 Turtle ID: HAWAII / POPALO BLACK SAND BEACH  
 Comments: 1P LUCKY TO R. REAR  
flapper w/ line of pus / abscess

PHYSICAL EXAM ~~TAKEN~~ 1st leg 93

Head and neck: normal

Mouth: normal

Eyes: normal

Front flippers: normal

Shell: normal

Plastron: 1 abs. multiple areas of shell  
peeling off or missing

Rear flippers: TAC. P. II 2 | 413F-330931

top R. Rear K274 = R. Rear 3 + missing  
exposed bones - tibia/fibula =

Tail: normal

BODY CONDITION: MILD emaciated

SAMPLES TAKEN

PCV 21 T.P. 4.2

CBC  Chemistries

Others Xray 979 - R rear flipper

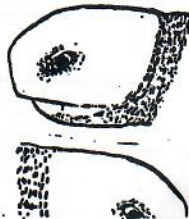
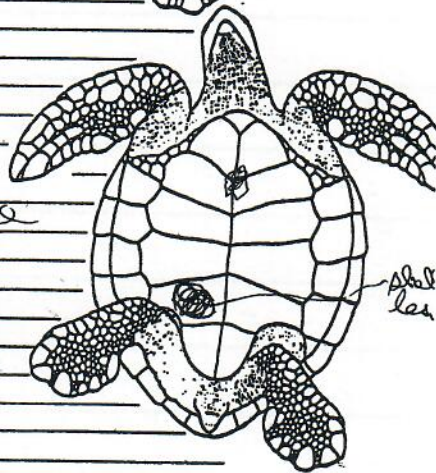
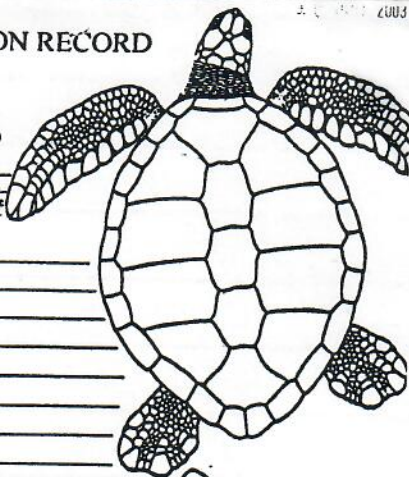
no bone infection EVIDENT - CLEAR BONE OF TUBER/FIBRA

RECOMMENDATIONS: amp. Salin ad pond to remove

same - dead on beach in 150 mg IM 9.3.0

Signed: Robert A. Moore DVM

MAKAI ANIMAL CLINIC 1001 K... ST...



APPROXIMATE TUMOR SIZE CATEGORIES:

- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME <b>NMFS</b>		ADDRESS		TELEPHONE	
PATIENT NAME <b>HAWAII 5/29/03 -</b>		SPECIES <b>GREEN TURTLE</b>		SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION <b>PANALOU BEACH</b>		LAB	X-RAY

DATE	TEMP	DESCRIPTION
5/30/03		Surgery to Remove Tibia/Fibula R Rear Flipper
6/6/03		checked tubed IV 50 mg forced ventilation - 70% servo fluoro 10:57 - local anal block - warfarin R rear flipper 11:10 - 42° 11:15 start surg 11:18 42° 11:20 off gas 11:28 - 200% at 27° 11:33 - 12° 11:43 - HR 20 off gas 11:45 - HR 20 12:05 HR 20 60 min 12:16 end surg 1:03 HR 25 2:15 movement 3:35 off O2 put outside in warm air 4:30 pull tube gone 60cc normal R IP held in clinic until 6/2 - Amoxicillin 150mg on 6/1 - mycins on 6/2 6/7
		* Surg: Remove tibia/fibula at femur find - dense dead tissue, close muscle tissue over joint area 2-3 mm - dense dead space some sutures on - very good - closure good Wound well w/ hot air and before closure
6/1/03		150mg amoxicillin IM - looks good - sent to Kawaia Kawaia - w/ 6/4, 6/5 -

MAKAI ANIMAL CLINIC

Historical Information for Turtle Tag K272

Tag Information:

Tag Number	Date	Tag Type	Tag Position
3E330331	6/28/99	PTT	BLF LHF
42E3D0842	4/24/02	PTT	BLF RHF
7D313301	7/14/98	PTT	BLF RHF
B19	10/7/94	PTT	LHF
K272	12/1/93	1681	LFL
K273	12/1/93	1681	RFL
K274	12/1/93	1681	RHF

Date	Type of Encounter	Location	Turnout Rank	Nesting Stage	Straight Carapace	Since Last Encounter				Overall		
						Month	Year	Growth-Rates cm/mo	Growth-Rates cm/yr	Month	Year	Growth-Rates cm/mo
12/1/93	Near Shore	Hawaii, Punahoa, Site #1	0	-	53.7	-	-	-	-	-	-	-
10/7/94	Near Shore	Hawaii, Punahoa, Site #1	0	-	55.4	10.0	0.8	0.2	2.1	10.0	0.8	0.2
4/20/95	Near Shore	Hawaii, Punahoa Bay	0	-	55.4	6.0	0.5	0.0	0.0	16.0	1.3	0.1
7/5/95	Near Shore	Hawaii, Punahoa Bay	0	-	55.6	2.0	0.2	0.1	1.0	19.0	1.6	0.1
1/24/97	Near Shore	Hawaii, Punahoa Bay	0	-	58.2	18.0	1.5	0.4	1.7	37.0	3.1	0.4
11/21/97	Near Shore	Hawaii, Punahoa Bay	0	-	60.1	9.0	0.8	0.2	2.4	47.0	3.9	0.1
2/20/98	Near Shore	Hawaii, Punahoa Bay	0	-	60.4	2.0	0.2	0.2	1.5	50.0	4.2	0.1
7/15/98	Near Shore	Hawaii, Punahoa Bay	0	-	61.0	4.0	0.3	0.1	2.0	55.0	4.6	0.1
6/29/99	Near Shore	Hawaii, Punahoa Bay	0	-	61.9	11.0	0.9	0.1	1.0	66.0	5.5	0.1
11/17/99	Near Shore	Hawaii, Punahoa Bay	0	-	62.3	4.0	0.3	0.1	1.3	71.0	5.9	0.1
4/24/02	Near Shore	Hawaii, Punahoa Bay	0	-	62.8	29.0	2.4	0.0	0.2	100.0	8.3	0.1
7/17/02	Near Shore	Hawaii, Punahoa Bay	0	-	62.8	2.0	0.2	0.0	0.0	103.0	8.6	0.1

Historical Information for Turtle Tag K272

Tag Information:

Tag Number	Date	Tag Type	Tag Position
3E330831	6/29/89	PIT	RHF
422E3D0942	4/24/02	PIT	LHF
7D313901	7/14/98	PIT	PIT
B19	10/7/94	LHF	LHF
K272	12/1/93	LFL	LFL
K273	12/1/93	RFL	RFL
K274	12/1/93	RHF	RHF

Date	Type of Encounter	Location	Turntable	Nesting/egg	Weight	Since Last Encounter		Overall								
						Interval Month	Year	Interval Month	Year	Interval Month	Year	Interval Month	Year			
12/1/93	Near Shore	Hawaii, Punaluu, Site #1	0	-	51.0	--	--	--	--	--	--	--	--	--	--	
10/7/94	Near Shore	Hawaii, Punaluu, Site #1	0	-	54.0	10.0	0.8	0.3	3.8	10.0	0.8	0.3	3.8	10.0	0.8	0.3
4/20/95	Near Shore	Hawaii, Punaluu Bay	0	-	57.0	6.0	0.5	0.5	6.0	16.0	1.3	0.4	4.6	16.0	1.3	0.4
7/5/95	Near Shore	Hawaii, Punaluu Bay	0	-	--	2.0	0.2	--	--	19.0	1.6	--	--	19.0	1.6	--
1/24/97	Near Shore	Hawaii, Punaluu Bay	0	-	64.0	18.0	1.5	--	--	37.0	3.1	0.4	4.2	37.0	3.1	0.4
11/21/97	Near Shore	Hawaii, Punaluu Bay	0	-	71.0	9.0	0.8	0.8	8.8	47.0	3.9	0.4	5.1	47.0	3.9	0.4
2/20/98	Near Shore	Hawaii, Punaluu Bay	0	-	68.0	2.0	0.2	--	--	50.0	4.2	0.3	4.0	50.0	4.2	0.3
7/15/98	Near Shore	Hawaii, Punaluu Bay	0	-	70.0	4.0	0.3	0.5	6.7	55.0	4.6	0.3	4.1	55.0	4.6	0.3
6/29/99	Near Shore	Hawaii, Punaluu Bay	0	-	75.0	11.0	0.9	0.5	5.6	66.0	5.5	0.4	4.4	66.0	5.5	0.4
11/17/99	Near Shore	Hawaii, Punaluu Bay	0	-	--	4.0	0.3	--	--	71.0	5.9	--	--	71.0	5.9	--
4/24/02	Near Shore	Hawaii, Punaluu Bay	0	-	--	29.0	2.4	--	--	100.0	8.3	--	--	100.0	8.3	--
7/17/02	Near Shore	Hawaii, Punaluu Bay	0	-	75.0	2.0	0.2	--	--	103.0	8.6	0.2	2.8	103.0	8.6	0.2

Revised 01/17/03

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

Released by GHS/SAE on 10 JUN 2003  
6/10/03 at 11:00am at  
Haleiwa Alii Beach Park.  
Turtle swam straight out  
without difficulty.

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 019103

CAPTURE DATE, LOCATION AND METHOD:

5-29-03	Eiko & Frank Novratil via Heather Chandler/Laura Campbell (with Mop)	Punaluu Black Sand Beach, Hawaii
PERSON RECORDING DATA:		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

-

EMACIATION CODE

2

OLD TAGS:

K272LFL K273RFL
B19LHF
413E330931 LHF
407D313901 LFF

NEW TAGS:

RHF
LHF

MT# K274 2<sup>nd</sup> lat. left/right

STRAIGHT CARAPACE - LENGTH:

62.2 cm

WIDTH:

49.7 cm

NOTCH LENGTH:

62.2 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

68.0 cm

WIDTH:

63.0 cm

HEAD WIDTH:

9.4 cm

AXIAL:

21.9 cm

LATERAL:

21.9 cm

PFS: YES OR NO OR NE

Y

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

15.5 cm

C

10.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

10.4 cm

RHF from Dr. Morris

PLASTRON LENGTH:

49.0 cm

WEIGHT:

65.1 #

GLUCOSE:

GB - MR

DESCRIPTIVE REMARKS:

Multiple abrasions on plastron

Maui live stranding ID7-25-03 now at Makai Animal Clinic

**Subject: Maui live stranding ID7-25-03 now at Makai Animal Clinic**

**Date: Sat, 26 Jul 2003 12:49:49 -1000**

**From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>**

**To: Joylynn <joylynn.oliveira@noaa.gov>**

**CC: Cody Hooven <cody.hooven@noaa.gov>, Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>**

Dear Joy, the turtle arrived here fine about 6 pm yesterday and I personally picked it up and drove it to Dr. Morris at Makai Animal Clinic. It weighs only 27lbs, is 57cm CCL and emaciated, doesn't have tumors, but has an amputated and mostly healed front flipper and two pieces of fishing line down the throat. Dr. Morris has it on antibiotics and is doing a series of diagnostics to determine how badly the intestines have been affected by the fishline that seems to have been on/in the turtle for many months. So, we wanted to thank you and to let you know that we are doing all that can be done. I'll give you another update later, as new information becomes available.

Two items I'd like to gently mention. First, the phone number on the shipping slip to contact us wasn't quite right. It was written 893-5730. Maybe the Aloha clerk did that, our stranding line number is 983-5730. What we would like is TWO numbers on the airbill-- 983-5730, and my cell number 286-2899. When turtles come in after hours (after 4pm) there's no one in the office where 983-5730 is located. Hence the need to also include my cell number.

Second item. I received some negative words from Aloha staff that the animal carrier the turtle was shipped in was pretty dirty and not commensurate with standards of a carrier for shipping a live animal (per Airline code). The dirt seemed to be dust and sand and mud, and just generally "earthy" stuff- nothing from the turtle like feces etc. Anyway could you arrange something so that the carriers before use get hosed off and scrubbed a little, that would be very much appreciated. Note I put the turtle into a different container when I picked it up and sent the carrier back to you as "dunnage" (no cost to anyone). It wasn't possible for me to wash it at the cargo office. So by Monday it should be in Kahului and they'll give you a call for pickup.

Mahalo and Aloha for helping this poor little turtle! George

JULY 2002 REVISION

MARINE TURTLE RESEARCH PROGRAM  
NMFS-HONOLULU LABORATORY  
FOR INTERNAL USE ONLY

MTRP USE ONLY:
TOPS: 00 OCT 2003
LOGBOOK: 00 OCT 2003

**SEA TURTLE STRANDING QUESTIONNAIRE:** (definition of "stranding" is any injured, sick, dead, or abnormally acting sea turtle ashore). Note: Due to personnel safety concerns, we do not normally go into water over knee deep to salvage a turtle. However, we would like to record details of such reports.

To be filled out by Marine Turtle Research Program personnel or others as available. (i.e. Stranding line 983-5730, S. Eames x5747, S. Murakawa x5731, G. Balazs x5733).

**Note:** Normal working hours of, Marine Turtle Research Program personnel are 7:00 a.m. - 4:00 p.m. Monday-Friday. After hours, including weekends and holidays, please refer the caller to 24-hr. Hotline 587-0077 (Oahu), State Division of Conservation and Resources Enforcement (DOCARE) or page our contracted Sea Turtle Stranding Group at 288-5685. (NOTE: this pager number should NOT normally be given out to the public.)

The purpose of this questionnaire is to help facilitate a quick response (when appropriate and possible) to calls received from the public and other agencies concerning stranded (live or dead) sea turtles.

Person calling: Joylynn Oliveira (HIHWNMS) Date and time of call: 07-25-03/2:34p  
 Name: \_\_\_\_\_ Phone: (808) 879-2818 281-9356 cell  
 Full mailing address: (optional - to send sea turtle literature) \_\_\_\_\_ Email: \*\*\*\*VERY IMPORTANT\*\*\*\*

Location  
Where is this turtle located? Turtle brought to MOC but being transferred to HIHWNMS.

How close is it to the nearest vehicle access way? bringing it to airport ~ 3:45 pm  
will call GHB or CH with flight info.

Turtle  
Is the turtle alive or dead?  A  D  Uncertain 20'  
 or "Is it possible for one person to lift and carry the turtle?"  Yes  No  
 "Best guess" of the weight of the turtle? \_\_\_\_\_ lbs. 25lbs. 50lbs. 100lbs. 200lbs.  
 (or circle one above)

From RFF missing small carrier

About how large (shell length) is the turtle? 1/2 - 1 ft; 1 - 2 ft; 2 - 3 ft; 3+ ft  
What is the condition of the turtle? RFF missing & healed, emaciated  
(i.e. rotten, fresh, intact or not, unknown)

Are there any obvious signs as to the cause of death or injury? (such as tumors, fish hook, fish line, shark bite, boat impact, oil, tar, spear, etc.)

Any evidence of law enforcement violation?  
If yes, please briefly describe:

Assure the person that the turtle will be attended to and/or someone will call them back just as soon as humanly possible (when involving normal working hours). Personnel and other resource limitations may cause delays. If the person indicates that there is a law enforcement problem, ask them to also call 541-2727 NMFS Law Enforcement Office at the Federal Building. Explain briefly that the office they have called is the Research Branch of National Marine Fisheries Service and that we will also be involved in responding to a turtle stranding that relates to law enforcement, but only in unison with an enforcement agent. For MTRP personnel, a response will only be possible during normal working hours and only when there are sufficient working hours remaining in the day to accomplish the job. After hours cases (from 4:00p.m. to 7:00a.m. weekdays) will be handled by our contracted Sea Turtle Stranding Group (pager 288-5685).

Name of person filling out this questionnaire: \_\_\_\_\_

If the person is calling from a neighbor island, and no one can be contacted in the Marine Turtle Research Program, please record the person's name and phone number and ask him or her to call the State DOCARE office or Division of Aquatic Resources Office located on their island, or call (from that neighbor island) the operator (dial "0") and ask for "Enterprise 5469"

Big Island: Hilo - 974-6208; or Kona - 327-4961; or Waimea - 887-6196  
Molokai: 553-5190  
Lanai: 565-7916  
Kauai: 274-3521  
Mau: 984-8110

picked up from airport on 7/26/03 by GHB, taken to Makai Animal Clinic.  
picked up from MAE by TH, brought to Kewalo R.F. on 7/28/03. (CH)  
left, near buoyant. Slightly lethargic.



CASE # A-17

PERSON RESPONDING: CARRIE: Tom Culbert

DATE 7/25/03 TIME 9:30 pm

CONTACT PERSON Joylun n. O'Leary

PHONE # 874-6178 2747 S. Kihai Rd. F-102

LOCATION Olowalu, Hawaii Kihai

STATUS ALIVE, RIGHT FLIPPER MISSING  
(OLD INJURY) amputated underside

TUMORS NO

TABS NO

IF YES #

SIZE 67cm

CONNECTOR DETAILS: Kihai residents found  
turtle floating in the surf washing  
up on beach. Tom went + got turtle.  
Turtle very quiet, not moving.

Turtle first taken to Maui Ocean Center  
then they advised couple to bring  
turtle to Sanctuary. Sanctuary then  
examined turtle as stated above.

AIRBILL # 32772470602

Aloha Airline 7-25-03 4:00 Delivery  
500 est. Dept.

06 OCT 2003

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 07/29/03

NECROPSY DATE: / / MTRP STRANDING ID 07-25-03

CONTACT: Carrie/Tom Culhert via Joylynn Oliveira (HIHWNMS)	DATE: 07-25-03	LOCATION: Olowalu, Maui
PERSON RECORDING DATA: CH / SKM		

DESCRIPTIVE REMARKS: turtle found alive floating in the surf washing up on beach. contact retrieved turtle and took it to Maui Ocean Center. MOC advised contacts to bring turtle to HIHWNMS. Turtle was examined by Joylynn then shipped to NMFS in Honolulu via Aloha Air Cargo. Plu by CTR and taken to Makai Animal Clinic.  
Plu on 7-20-03 by TH and taken to NMFS-KRF. (CH met TH @ NMFS-KRF)  
RFF missing and healed.  
Necrotic skin in neck and JH due to old entanglement injuries, fishing line removed from neck. Fishing line extending down throat and cut short.  
Given 1.5cc IM Baytril on 7/29, 7/31, 8/3, 8/5, 8/7

TUMOR SCORE: <input type="text" value="0"/>	TAGS: <input type="text"/>	SEX: Male, Female or Undetermined <input type="text" value="F"/>
ORAL TMRS EXT: YES OR NO <input type="text" value="-"/>	<input type="text"/>	
EMACIATION CODE: <input type="text" value="3"/>	MT#: <input type="text" value="-"/>	

STRAIGHT CARAPACE - LENGTH: <input type="text" value="54.7 cm"/>	WIDTH: <input type="text" value="41.6 cm"/>		
NOTCH LENGTH: <input type="text" value="54.6 cm"/>	PPS (Y/N): <input type="text" value="Y"/>		
CURVED CARAPACE LENGTH: <input type="text" value="58.0 cm"/>	WIDTH: <input type="text" value="49.5 cm"/>		
HEAD WIDTH: <input type="text" value="8.0 cm"/>	AXIAL: <input type="text" value="15.9 cm"/>	LATERAL: <input type="text" value="16.0 cm"/>	
TAIL LENGTH: T <input type="text" value="11.5 cm"/>	C <input type="text" value="8.0 cm"/>	DB: <input type="text" value="0"/>	VB: <input type="text" value="0"/>
left RIGHT FRONT FLIPPER WIDTH: <input type="text" value="9.1 cm"/>	SAMPLES COLLECTED: Fishing line from neck		
PLASTRON LENGTH: <input type="text" value="42.8 cm"/>	<input type="text"/>		
WEIGHT: <input type="text" value="26.0 #"/>	<input type="text"/>		

LIVE TURTLE EXAMINATION RECORD

06 OCT 2003

Date: 7/25/03  
Turtle ID: MKV1 - 7/24/03  
Comments: Stranding  
26 lbs

PHYSICAL EXAM

Head and neck: MONO LINE around neck  
embedded in skin - 2 lines going down  
front. anchored to neck  
Mouth: MONO LINE down throat

Eyes: normal

Front flippers: Right front flipper missing -  
Part of humerus & scapula protruding  
long amputation - bone exposed  
Shell: normal

Plastron: normal - orbital pattern

Rear flippers: normal

Tail: normal

BODY CONDITION: severe emaciation

SAMPLES TAKEN

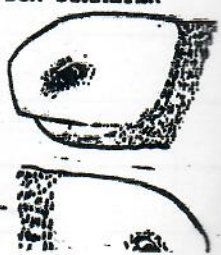
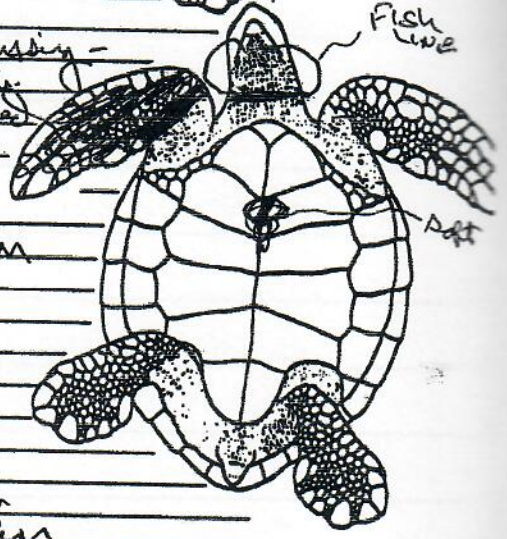
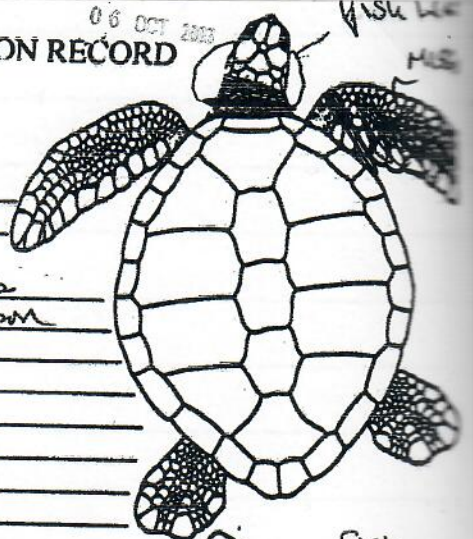
PCV IP  
CBC  Chemistries   
Others \_\_\_\_\_

- APPROXIMATE TUMOR SIZE CATEGORIES:
- #1 = DETECTABLE PATCH TO 1CM DIAMETER
  - #2 = >1CM TO 4CM
  - #3 = >4CM TO 10CM
  - #4 = >10CM

RECOMMENDATIONS: IP fluids - 300 Norvasc R -  
Amoxicillin 1M - 76 mg - A. po with line shot while  
to remove by electric traction - 602 - 150 mg liquid car

Signed: [Signature] 7/28/03

MAKAI ANIMAL CLINIC 420 [Address]



**MEDICAL HISTORY - CLINICAL RECORD**

OWNER NAME N MFS		ADDRESS		TELEPHONE	
PATIENT NAME MAUI	SPECIES C. REE	BREED	SEX	COLOR AND MARKINGS	
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION STRANDIN	LAB	X-RAY	

DATE	TEMP	DESCRIPTION
7/25/03		<p>Summary: this turtle had two mouse bites <del>found</del> down the throat. These were anchored around the neck &amp; was unable to extract the lines so they were cut short. The turtle was started on Amoxicillin &amp; decided to hospitalize it.</p> <p>X-Ray did not show any lesions or other IFB</p> <p>Blood work - anemia but not severe PCV 23 WBC very low 2,600 albumin levels low 0.4 values could be related to starvation and infection</p> <p>endoscopy did not reveal any damaged intestines (none seen). turtle was a female - many dark spots noted possible spreading over palps &amp; lungs - ??</p> <p>IP fluids 300 cc normal R -</p> <p>Progress poor. PP sent to Kaula feed daily hospital up 150 mg of 48 hr. injections 7/29, 7/31, 7/3, 7/5, 7/7</p>
8/4/03		<p>checked at Kaula - still somewhat but improved - not eating yet Penny found fed to squid &amp; fish - did not show some stool - very thin - feed some squid &amp; fish Progress poor but is worth trying -</p>

**MAKAI ANIMAL CLINIC**  
 420 ULUNIU STREET  
 KAILUA, HI 96734

**MEDICAL HISTORY - CLINICAL RECORD**

OWNER NAME <b>NMFS</b>		ADDRESS			TELEPHONE
PATIENT NAME <b>MAUI 7/26</b>	SPECIES	BREED <b>GREEN</b>	SEX	COLOR AND MARKINGS	
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION	LAB	X-RAY	

DATE	TEMP	DESCRIPTION
8/18/03		Passed some bloody diarrhea & feces still not eating and very fussy fed at Kewalo (24 DAYS)
8/19/03		to Makai Clinic for re-evaluation lethargic - WT 26.5g No wt gain Pl CBC Report - 25mg Winstrol IM - 1cc U10 AD - IM - K 15 Complox 1.50 (THIAMINE 150mg) - 1.2cc Demerol - IM given all present Re dose Demerol 2.1cc - - P send bird to Kewalo - 8/20/03 - gradual prognosis continue support 1 meal week + evaluate CBC
8/21/03		Blood Anemia - PCV dropped from 23-14 Reason for blood loss unknown - chronic infection? P continue feeding - re-evaluate 1 wk
8/25/03		Re-visit Kewalo still floating w/ tilt - not eating yet - passing stool - feeding continues Pl continue care
9/1/03		Re-visit PCV wt next week, started eating on own approx 12:00



TURTLE ID	M1901 STRANDING - FISGLINES						
DATE	7/25/83			8/19/83			

	MEAN	SD	RANGE				
ALK. PHOS.	33.5	12.2	12-62	30			
ALT (SGPT)	3.9	7.0	0-50	1			
AST (SGOT)	158.4	41.5	1-270	155			
CK				1019			
LDH	203.8	180.4	55-1286	104			
ALBUMIN	1.7	.4	.6-2.2	0.4v			
TOTAL PROTEIN	4.2	.6	2.9-5.6	1.9v			
GLOBULIN	2.7	.5	1.8-4.0	1.5			
BUN	25.8	70.7	0-320	113			
CREATININE	.2	.1	.1-.5	0.1			
CHOLESTEROL	140	43	32-280	44			
GLUCOSE	114.7	35	64-234	101			
CALCIUM	9.1	1.7	1.1-12.1	4.8			
PHOSPHORUS	8.2	1.3	5.9-11.8	8.0			
POTASSIUM	5.2	.9	3.9-8.6	2.6			
SODIUM	158	4.0	146-170	120			
A/G RATIO	.6	.2	.2-1.2	.3			
URIC ACID	1.3	.8	0-4.5	2.1			
CA/P RATIO	1.1	.13	.18-1.0				
WBC ESTIMATE				* 2.4	2.4		
WBC COUNT	13.8	5.3	5.9-23.6	2.6v	2.1		
HEMATOCRIT	29	4	17-35	2.3	14		
HETEROPHILS	10	3	4-17	19	1		
NEUTROPHILS					5		
LYMPHOCYTES	71	8	53-83	53	92		
MONOCYTES	6	3	4-17		1		
EOSINOPHILS	13	6	4-29	14	8		
BASOPHILS	0	0	0-1	14			
ABSOL HETS	1380		236-4012	494	21		
ABSOL NEUT					105		
ABSOL LYMPH	9798		3127-19588	1328	1953		
ABSOL EOSINO	1794		236-6844	364			
ABSOL MONO	828		236-4012		21		
THROMBOCYTES							
LYM/HET RATIO	7.0		4-13				

BASC

\* 364  
\* removed by party

TURTLE ID NATOI STRAND INC. - FUSC LINE  
 DATE 7/25/03 8/19/03 9/11/03 10/13/03

	MEAN	SD	RANGE				
ALK. PHOS.	33.5	12.2	12-62	30			
ALT (SGPT)	3.9	7.0	0-50	1			
AST (SGOT)	158.4	41.5	1-270	155			
CK				1019			
LDH	203.8	180.4	55-1286	104			
ALBUMIN	1.7	.4	.6-2.2	0.44			
TOTAL PROTEIN	4.2	.6	2.9-5.6	1.94			3.0
GLOBULIN	2.7	.5	1.8-4.0	1.5			
BUN	25.8	70.7	0-320	113			
CREATININE	.2	.1	.1-.5	0.1			
CHOLESTEROL	140	43	32-280	44			
GLUCOSE	114.7	35	64-234	101			
CALCIUM	9.1	1.7	1.1-12.1	4.8			
PHOSPHORUS	8.2	1.3	5.9-11.8	8.0			
POTASSIUM	5.2	.9	3.9-8.6	2.6			
SODIUM	158	4.0	146-170	120			
A/G RATIO	.6	.2	.2-1.2	.3			
URIC ACID	1.3	.8	0-4.5	2.1			
CAP RATIO	1.1	.13	.18-1.0				
WBC ESTIMATE				2.4	2.4	2.4	
WBC COUNT	13.8	5.3	5.9-23.6	2.64	2.1	2.2	
HEMATOCRIT	29	4	17-35	2.3	14	110	27
HETEROPHILS	10	3	4-17	119	1	10	
NEUTROPHILS					5		
LYMPHOCYTES	71	8	53-83	53	93	93	
MONOCYTES	6	3	4-17	2	1	1	
EOSINOPHILS	13	6	4-29	14	2		
BASOPHILS	0	0	0-1	14			
ABSOL HETS	1380		236-4012	494	21	132	
ABSOL NEUT					105		
ABSOL LYMPH	9798		3127-19588	1373	1953	2016	
ABSOL EOSINO	1794		236-6844	364			
ABSOL MONO	828		236-4012		21	27	
THROMBOCYTES						1400	
LYM/HET RATIO	7.0		4-13				

B ASC

364



MAKAI ANIMAL HOSPITAL  
420 ULUNIU ST.  
HAILUA, HI 96734

IDEXX VETERINARY SERVICES  
Online results at [www.vetconnect.com](http://www.vetconnect.com)  
West Region 800-444-4210  
East/Central/Colorado 888-433-9987

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS, MAUI

REQ #: 4084692  
AGE:  
SPECIES:  
BREED: SEA TURTLE

LAB #: L1356508  
COLLECTED: 07/27/2003  
RECEIVED: 07/27/2003 18:42  
REPORTED: 07/28/2003 11:05

DOCTOR:

TEST PROCEDURES

REPTILIAN PROFILE #1

REPTILIAN PANEL #1

	RESULTS	REFERENCE RANGE	UNITS
ALK. PHOSPHATASE	30		IU/L
ALT (SCPT)	1		IU/L
RESULT VERIFIED BY REPEAT ANALYSIS			
AST (SGOT)	155		IU/L
CK	1019		IU/L
LDH	104		IU/L
ALBUMIN	0.4		g/dL
TOTAL PROTEIN	1.9		g/dL
GLOBULIN	1.5		g/dL
BUN	113		mg/dL
CREATININE	0.4		mg/dL
CHOLESTEROL	44		mg/dL
GLUCOSE	101		mg/dL
CALCIUM	4.8		mg/dL
PHOSPHORUS	8.0		mg/dL
POTASSIUM	2.6		mEq/L
SODIUM	120		mEq/L
A/G RATIO	0.3		
URIC ACID	2.1		mg/dL
AVIAN/EXOTIC CBC AND PLASMA PROTEIN			
WBC-EST	2-4		THOUS.
WBC COUNT	2.6		THOUS.
HCT	23.0		%
HETEROPHILS	19		%
LYMPHOCYTES	53		%
EOSINOPHIL	14		%
BASOPHIL	14		%
ABSOLUTE HETEROPHIL	494		/uL
ABSOLUTE LYMPHOCYTE	1378		/uL
ABSOLUTE EOSINOPHIL	364		/uL
ABSOLUTE BASOPHIL	364		/uL

NMFS, MAUI

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CONTINUED REPORT

MAKAI ANIMAL HOSPITAL  
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IDEXX VETERINARY SERVICES  
Online results at [www.vetconnect.com](http://www.vetconnect.com)  
West Region 800-444-4210  
East/Central/Colorado 888-433-9987

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS, MAUI

REQ #:	4084692	LAB #:	L1356508
AGE:		SEX:	
SPECIES:		COLLECTED:	07/27/2003
BREED:	SEA TURTLE	RECEIVED:	07/27/2003 18:42
		REPORTED:	07/28/2003 11:05

DOCTOR:

TEST PROCEDURES	RESULTS	REFERENCE RANGE	UNITS
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THROMBOCYTES

ADEQUATE

BLOOD PARASITES

NO PARASITES SEEN

REMARKS

DIFFERENTIAL MAY BE AFFECTED DUE TO MANY SMUDGE CELLS PRESENT.  
CELLS DO NOT APPEAR TOXIC OR REACTIVE

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West Region 800-444-4210  
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1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS, MAUI

REQ #: 4084692

AGE:

SEX:

LAB #: L1356508

COLLECTED: 07/27/2003

SPECIES:

RECEIVED: 07/27/2003 18:42

BREED: SEA TURTLE

REPORTED: 08/02/2003 13:34

DOCTOR:

TEST PROCEDURES

REPTILIAN PROFILE #1

REPTILIAN PANEL #1

	RESULTS	REFERENCE RANGE	UNITS
* ALK. PHOSPHATASE	30		IU/L
* ALT (SGPT)	1		IU/L
RESULT VERIFIED BY REPEAT ANALYSIS			
* AST (SGOT)	155		IU/L
* CK	1019		IU/L
* LDH	104		IU/L
* ALBUMIN	0.4		IU/L
* TOTAL PROTEIN	1.9		g/dL
* GLOBULIN	1.5		g/dL
* BUN	113		g/dL
* CREATININE	0.4		mg/dL
* CHOLESTEROL	44		mg/dL
* GLUCOSE	101		mg/dL
* CALCIUM	4.8		mg/dL
* PHOSPHORUS	8.0		mg/dL
* POTASSIUM	2.6		mEq/L
* SODIUM	120		mEq/L
* A/G RATIO	0.3		
* URIC ACID	2.1		mg/dL
AVIAN/EXOTIC CBC AND PLASMA PROTEIN			
* WBC-EST	2-4		THOUS.
* WBC COUNT	2.6		THOUS.
* HCT	23.0		%
HETEROPHILS	16		%
LYMPHOCYTES	81		%
MONOCYTES	2		%
ABSOLUTE HETEROPHIL	416		/uL
ABSOLUTE LYMPHOCYTE	2106		/uL
ABSOLUTE MONOCYTE	52		/uL
* THROMBOCYTES	ADEQUATE		/uL
* BLOOD PARASITES			

NMFS, MAUI

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\* - indicates test previously reported

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West Region 800-444-4210  
East/Central/Colorado 888-433-9987

1-800-262-9621 ACCOUNT #: 1303

PATIENT: NMFS, MAUI

REQ #: 000  
AGE: SEX:  
SPECIES: REPTILE  
BREED: TURTLE

LAB #: L1647908  
COLLECTED: 09/08/2003  
RECEIVED: 09/09/2003 06:42  
REPORTED: 09/09/2003 15:35

DOCTOR: MORRIS, R

TEST PROCEDURES

AVIAN/EXOTIC CBC AND PLASMA PROTEIN

	RESULTS	REFERENCE RANGE	UNITS
WBC-EST	2-4		THOUS.
WBC COUNT	2.2		THOUS.
HCT	<u>11.0</u>		%
HETEROPHILS	6		%
LYMPHOCYTES	93		%
MONOCYTES	1		%
ABSOLUTE HETEROPHIL	132		/uL
ABSOLUTE LYMPHOCYTE	2046		/uL
ABSOLUTE MONOCYTE	22		/uL
THROMBOCYTES	ADEQUATE		
POLYCHROMASIA	MARKED		

BLOOD PARASITES  
NO PARASITES SEEN

REMARKS

IMMATURE RBC'S PRESENT - FEW  
DIFFERENTIAL MAY BE AFFECTED DUE TO MANY SMUDGE CELLS PRESENT.  
RETICULOCTE ESTIMATE 3+

NMFS, MAUI

\*\*\* FINAL REPORT \*\*\*

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