

2004 alco® Book II

Composition Book

Name Rehabed Releases

School _____

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

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

MTRP USE ONLY:
 TOPS: _____
 LOGBOOK: _____

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: _____ Date and time of call: 5/11/04 9:20AM
 Name: Lei Piela-Enoka Phone: 259-5122
 Full mailing address: (optional - to send sea turtle literature) _____
41-477 Kalaianale Email: leina-ata@yahoo.com
Waimanalo 96795

Location
 Where is this turtle located? Waimanalo, in front of 15th house past SLP on @
near rusted He cylinder, house w/ canoe in front may be able to help

How close is it to the nearest vehicle access way? (Mike Muller)

Turtle
 Is the turtle alive or dead? (A) D Uncertain Repeatedly coming up on shore in front of her house.

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
She also called 2 weeks ago in respect to after hours, regime

What is the condition of the turtle?
 (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.) tumors on (L) eye, FF's, RF's

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: Andy Sent Lt.

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
 Maui: 984-8110

Release

NATIONAL MARINE FISHERIES SERVICE
 Marine Turtle Research Program
 2570 Dole Street
 Honolulu, Hawaii 96822-2396

SEA TURTLE NECROPSY/TUMOR FORM
 RELEASE

DATE FORM FILLED OUT:
 NECROPSY DATE:

CONTACT: Lei Riela-Enoka	MTRP ID DATE: 5/11/04	LOCATION: Waimanalo, Oahu
PERSON RECORDING DATA: <i>CH</i>		

DESCRIPTIVE REMARKS: Turtle reported to be coming and going for several weeks, heavily tumored. P/u by BM/CH taken to MAC. Dr. Morris (5/12/04) performed cryo-surgery on entire #2 LJT and base of #3 RJT, and base of L ventral RT NECROPSY : #3 tumor on neck. P/u from MAC by CH/BM on 5/12/04, measured, PIT tags inserted, MT applied, and released at Kaneohe Bay B.P. Released at 11:05AM 5/12/04. Swam away fine, active.	NECROPSY:
--	-----------

TUMOR SCORE: <input type="text" value="3"/>	LHF TAGS: <input type="text" value="44142A4A45"/>	SEX: <input type="text" value="Male, Female, or Undetermined"/>
ORAL TUMORS EXT: YES OR NO <input type="text" value="Y"/>	RHF TAGS: <input type="text" value="4413011929"/>	DB: <input type="text" value="0"/> VB: <input type="text" value="1"/>
EMACIATION: <input type="text" value="1"/>	MT#: <input type="text" value="PI"/>	
STRAIGHT CARAPACE LENGTH: <input type="text" value="68.9"/>	NOTCH LENGTH: <input type="text" value="68.7"/>	
WIDTH: <input type="text" value="55.1"/>	RIGHT FRONT FLIPPER WIDTH: <input type="text" value="11.8"/>	
CURVED CARAPACE LENGTH: <input type="text" value="74.0"/>	HEAD WIDTH: <input type="text" value="10.7"/>	
WIDTH: <input type="text" value="67.5"/>	AXIAL: <input type="text"/>	LATERAL: <input type="text"/>
PLASTRON LENGTH: <input type="text"/>	PPS (Y/N): <input type="text" value="Y"/>	
WEIGHT: <input type="text" value="102.3"/>	TAIL LENGTH: T: <input type="text" value="15.5"/> C: <input type="text" value="11.5"/>	

SAMPLES COLLECTED (Y/N):		
SKIN IN SALT: <input type="text"/>	FORESTOMACH CONTENTS: <input type="text"/>	PHOTOS: <input type="text" value="Y x 5"/> OTHER: <input type="text" value="digital attached"/>
HUMERI: <input type="text"/>	BLOOD: <input type="text"/>	

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE		1			1	#2 ringing
LEFT EYE		1			1	#2 ringing
MOUTH		1	1		2	#2 LFT #3 RHT
NECK	10	7			17	
RFF	¹⁵ 7	¹⁵ 20			27	
LFF	⁷ 8	6		1	15	
RHF	3	7		1	11	
LHF	12	9	1	1	23	
CLOACA / TAIL		1			1	#2 cloaca
SEAMS / SCUTES						
INTERNAL						
TOTAL	40	53	2	3		

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

Y

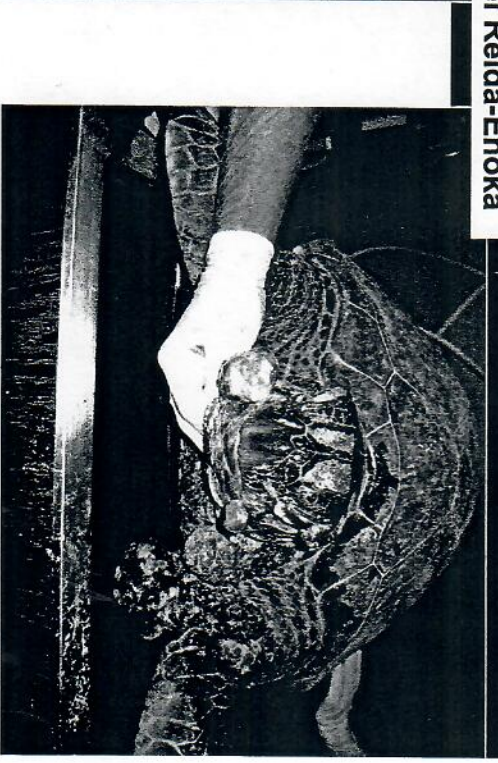
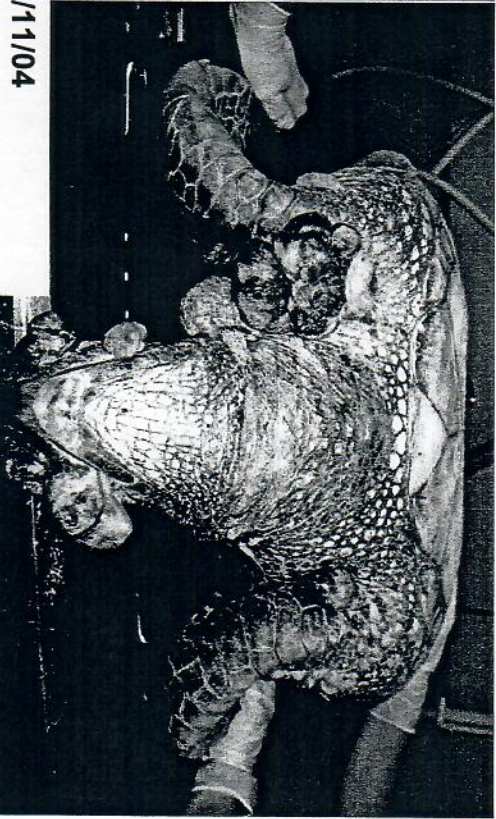
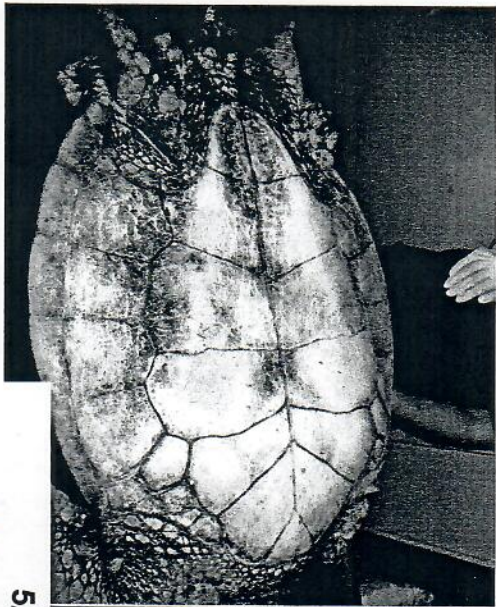
TUMOR SCORE:

3

OTHER INFORMATION:

APPROXIMATE TUMOR SIZE CATEGORIES:

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



5/11/04
Waimanalo, Oahu
Alive, Contact Lei Reida-Enoka

1023 *02*

LIVE TURTLE EXAMINATION RECORD

Date: 5/11/04
Turtle ID: WAIMANALO 41102302

Comments: Stranded - Green around several
body patches & eggs in

PHYSICAL EXAM

Head and neck: 10 #1 tumors - 6 #2 tumors

Mouth: no obvious tumor low hump R (3)
left #12 -

Eyes: OD - Ruvign tumors visible
OS - Ruvign tumors " "

Front flippers: R - 20 #1 - 10 #2's wings
L - 4 - #1 tumors - 6 #2 tumors
2 #3 tumors

Shell: normal

Plastron: flat - firm

Rear flippers: (L) #4 tumors + 3 #2 tumors tail
R - #4 tumors + 5 #2, #3

Tail: #2 tumor

BODY CONDITION: mild emaciation

SAMPLES TAKEN

PCV 16 T.P. 2.1
CBC _____ Chemistries _____
Others _____

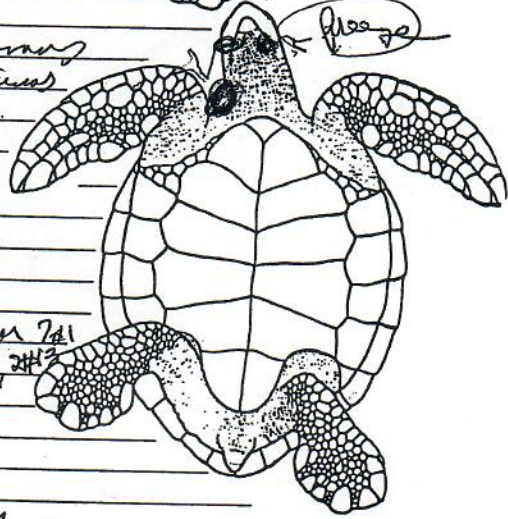
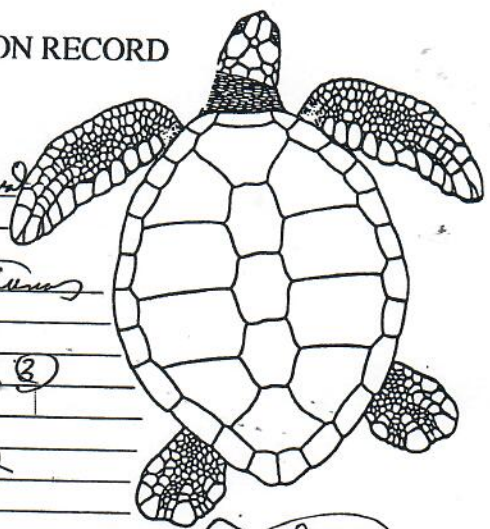
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: Isolated low hump tumor
eye tumors - surgery both eyes 2 Antineoplastic
Recommend Euthanasia

Signed: Robert A. Mears

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



MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME: **W. A. MAVALO** ADDRESS: **5/1/04**
PATIENT NAME: _____ SPECIES: _____ BREED: _____ TELEPHONE: _____
TERED: NO: BIRTHDATE: _____ SPECIAL INFORMATION: _____ SEX: _____ COLOR AND MARKINGS: _____
DATE: _____ TEMP: _____ LAB: _____ X-RAY: _____

DATE	TEMP	DESCRIPTION
4/04		Weight 10230g - active
		1) Crypsid 3x whole body tumor #2
		left & base of H3 R. dermal tumor
		2) freeze base of left ventral H3 tumor
		3) Warm for fleas
		7cc Diazepam
		Release to Bay ~ $8 \text{ mg/kg} \approx 374 \text{ mg}$
		<i>R</i>

Waimanalo, Oahu
Lei Riela-Enoka
5/11/04
Released Kaneohe Bay B.P. on 5/12/04
MT "PI"



Date: Sun, 7 Mar 2004 11:51:09 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
Subject: Re: turtle (fwd)

FYI re turtle id 3-5-04 Aina Haina 6pm that I assisted with.

----- Forwarded message -----

Date: Sun, 7 Mar 2004 11:49:45 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Robert Morris <morrisr005@hawaii.rr.com>
Subject: Re: turtle

I'll have to provisionally disagree, unless until you have more diagnostics. Plastron soft, but not Real soft by any means to my touch. An eye like that can resolve, Ursula and Peter have seen it off of west maui. I don't mean the eye comes back, but rather it heals over, blind then.

In any event, do whatever you can (as always) in evaluating then give me your final word. Mahalo! George

PS I;m going to Laniakea now, jump in your car and meet me there!

On Sun, 7 Mar 2004, Robert Morris wrote:

> New turtle very soft central plastron-invasive eye tumor-(no surgical fix) did not see any glottis tumors--did not get blood sample yet or weigh. Not the type of turtle we save. Good chance internal problem. Thierry can fix it. The eye condition alone is enough to warrant euthanasia.

Date: Mon, 8 Mar 2004 06:27:05 -1000
From: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
To: Cody Hooven <chooven@honlab.nmfs.hawaii.edu>,
bmcbride@honlab.nmfs.hawaii.edu
Subject: Voicemail msg

Netscape's not working....

1) Fri., 8:39pm, Regina, 3/5, live turtle to MAC
Paged at 5:15pm by Michael Shapiro, 225-0982/373-2878, 5245 Kalaniana'ole Hwy. 96821. Found alive behind his home in Aina Hanina 3' above the water line. P/u by Regina and taken to MAC. Moderate emaciation. Large R. eye tumors. No barnacles, no tags. Breathing clear. CCL=73cm. Dr. Morris has to examine.

2) Sat., 7:52pm, Regina, 3/6, 3 cases no response

a) Paged at 7:50am, 689-3315, monk seal seen in Ewa Beach. Regina gave the person the monk seal number.

b) Paged at 8:15am, 637-7946, Pat/Deep Ecology called about the case above.

c) Paged at 9:00am, 638-0440, Ms. Aaron Woods, P.O. Box 883, Haleiwa 96712. In front of her residence at Velzyland there was a huge turtle on the beach. She checked it out for any injuries, but some surfers pushed it back into the water. Homeowner was very upset and a shouting match ensued. Homeowner wanted to know who was right. Regina explained the basking behavior.

d) Paged at 2:25pm, GHB, heads-up on a large male on Papailoa Road with a small 3" pinkish wound on its shoulder (not bleeding). No tumors present. GHB didn't want her to respond if she got a call unless there was new info that needed attention.

3) Sun., 8:43am, Valerie Freight (sp?). Tara snorkeled at Hanauma Bay on Saturday night and she left some personal belongings. She can call 395-2211 or 397-5840 (Education Program).

k

Released at
Kawaiiki Beach Park

SEA TURTLE TAGGING FORM

3/8/04 3:51pm

DATE FORM FILLED OUT 03/08/04

CAPTURE DATE, LOCATION AND METHOD:

Michael Shapiro via Regina Luna (SSG)	03 05 04	Stranding
PERSON RECORDING DATA: BM/CH/SKEM		

TUMOR SCORE <input type="text" value="2"/>	OLD TAGS:	NEV 4452196454
ORAL TMRS EXT: YES OR NO <input type="text" value="N"/>	<input type="text"/>	RHF
EMACIATION CODE <input type="text" value="2"/>	<input type="text"/>	LHF 4454586010
MT#	"54" on 2nd L./R. laterals, white paint	

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:

- R anal scute split in 2 by crack
- #3 on R eye

LIVE TURTLE EXAMINATION RECORD

Date: 3/5/04
Turtle ID: SAMP00 - HAWAII
Comments: in tub - active
73cm

PHYSICAL EXAM

Head and neck: normal

Mouth: not tumorous

Eyes: OP - very large tumor covering entire socket and possible orbital bone erosion - blind

Front flippers: normal

Shell: normal

Plastron: very soft in center, slightly sunken

Rear flippers: normal

Tail: normal

BODY CONDITION: mild/moderate emaciation

SAMPLES TAKEN

PCV 20 T.P. 24
CBC _____ Chemistries _____
Others X-ray

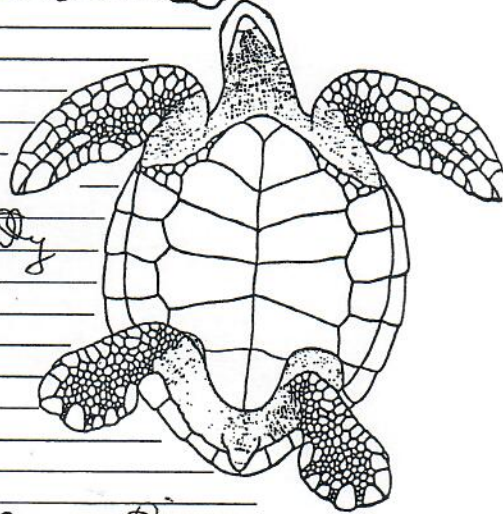
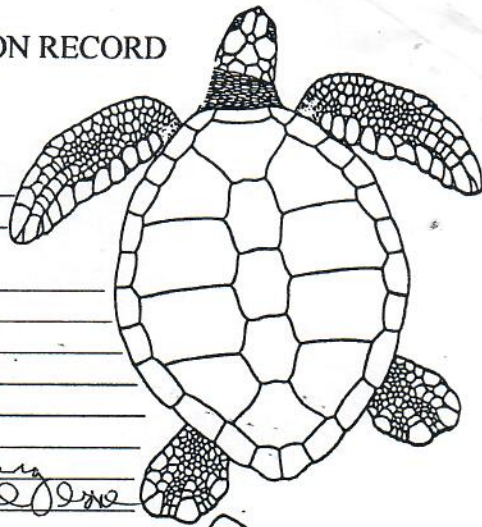
APPROXIMATE TUMOR SIZE CATEGORIES:

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- #4 = >10CM

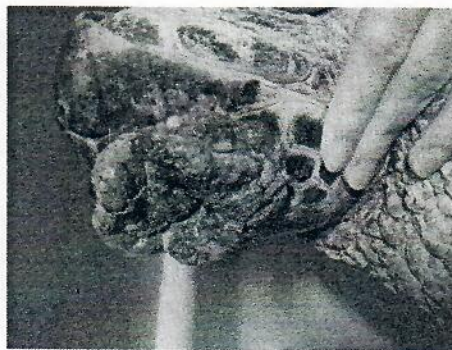
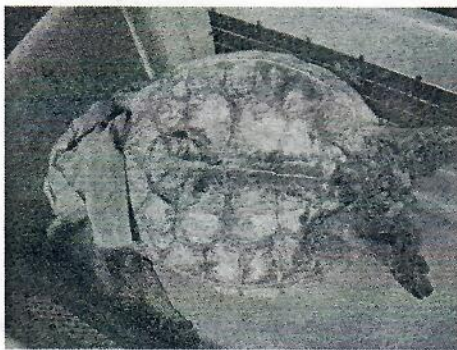
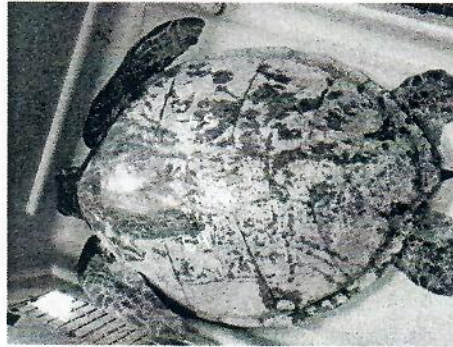
RECOMMENDATIONS: X-ray - radiopaque area in eye area (possible tumor) gas in eye tract w/ food nodules appear to be in eye and mid body - because turtle

Signed: is active - crypsis 2x eye tumor - release w/ guard to post procedure - Ralmon Day

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



03-05-2004
Michael Shapiro via R. Luna (SSG)
Aina Hina, OAHU
MT "54"
Released 03-08-2004



Date: Thu, 11 Mar 2004 09:15:07 -1000
From: Robert Morris <morrisr005@hawaii.rr.com>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: Hawksbill

[The following text is in the "iso-8859-1" character set.]
[Your display is set for the "US-ASCII" character set.]
[Some characters may be displayed incorrectly.]

Your pet hawksbill swam off well, and even dove--16.4 miles directly out from the Kaneohe Bay head buoy..He said thank you! So did the 6 Mahi we caught!

----- Original Message -----

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

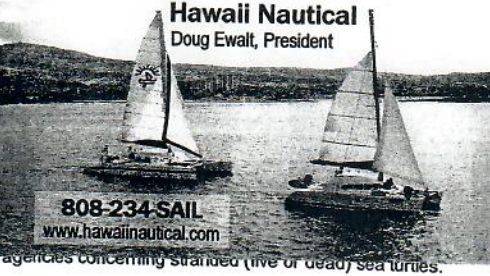
MTRP USE ONLY:
TOPS: 21 JAN 2004
LOGBOOK: 21 JAN 2004

SEA TURTLE
abnormal
water over

To be filled out
(i.e. Stranding)

Note: No
including
Resource
should not

The purpose
and other agencies



If any injured, sick, dead, or
concerns, we do not normally go into
ord details of such reports.

as available.
3alazs x5733).

hours are 7:00 a.m. - 4:00 p.m. Monday-Friday. After hours,
hotline 587-0077 (Oahu), State Division of Conservation and
the Stranding Group at 288-5685. (NOTE: this pager number

when appropriate and possible) to calls received from the public

Person calling:

Date and time of call: 1/16/04

Name: Doug Ewalt
Full mailing address: (optional - to send sea turtle literature)
Hawaii Nautical

Phone: 255-5170
Email: ****VERY IMPORTANT****

Location

Where is this turtle located? Ko'Olina Marina @ resort, pull into resort to end
of main road golf course @ 4th @ by tan bldg w/ green roof go to end

How close is it to the nearest vehicle access way? chsl 821, w/ 11 open gate for you
go to end

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? 20" 1/2 - 1 ft; 1 - 2 ft; 2 - 3 ft; 3+ ft

What is the condition of the turtle? Cracked on shell, dirty, missing flipper, tumors
(i.e. rotten, fresh, intact or not, unknown) 3", no blood, barnacles, have seen him for a month

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? NO
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: BM

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
Maui: 984-8110

LIVE TURTLE EXAMINATION RECORD

21 JAN 2004

HAWKSBILL -

Date: 1/16/04
Turtle ID: KO'OHINA MAUNA
Comments: Bandages all over
24.2 lbs

PHYSICAL EXAM

Head and neck: bandages +1

Mouth: normal

Eyes: normal

Front flippers: missing 1 flipper proximal
membranes left - healed over

Shell: abnormal - 1 side distorted -
hollow sound - 1 side sudden - hard
bandages on - mud / algae -

Plastron: sudden bandages

Rear flippers: normal

Tail: normal

BODY CONDITION: moderate emaciation

SAMPLES TAKEN

PCV 19 T.P. 0.00

CBC Chemistries

Others RAC-2

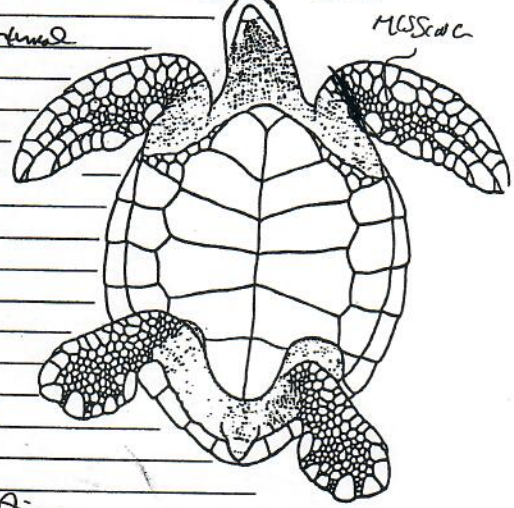
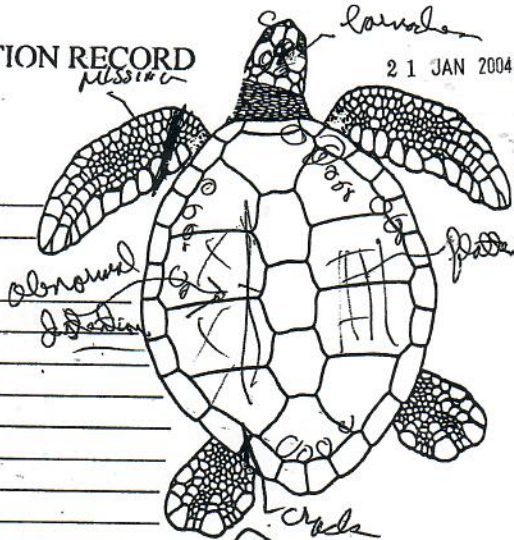
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: START ON AN 120 mg AMIKACIN
1M. EVALUATE BLOOD + RADS - HOLD IN CLINIC
EVERY WEEK - POSSIBLE ADJUDICATING

Signed: Robert A. Munn, DVM

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



No Olina Cat

DOLPHINS
SAILING
SNORKELING



Hawaii's newest sailboat

- Custom 53' cat
- Up to 49 guests
- Snorkel and observe dolphins
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FREE snorkel
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- Daysails, dinner cruises, overnight, interisland



Hawaii Nautical Marine Life Foundation

All excursions help fund this nonprofit foundation, dedicated to preserving the environment for Hawaii's marine species.

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HAWAII NAUTICAL
www.hawaiinautical.com

**Or see your
concierge to
book a trip**

OWNER NAME: N M F S ADDRESS: TELEPHONE: PATIENT NAME: SPECIES: BREED: SEX: COLOR AND MARKINGS:

2010 WMS - 11/10/04 HAWKS BILL ALTERED ES NO: BIRTHDATE: SPECIAL INFORMATION: LAB: X-RAY:

IN HARBOR

DATE	TEMP	DESCRIPTION
1/14/04		covered with seaweeds - mud on shell (algae) + plastron/muscle end head (D) find flapper shell abnormality - left half distended - hollow to sound - (R) side slightly swollen - very firm sounding - turtle behavior / weeds - no tumors (A) abnormal shell growth weeds musc / heads find 2 flapper - P) CBC / chem RADs - DV / AP Pct + TP
		A) anemia Pct 19 - low TP 1.6 RADs - radiopaque area (D) side - 2 side out - appears to be related to (D) AP - no lumps noted on R side
		A) 1) Scope 1/18 start at umbilicus 1200 g 72 hr evaluate blood - fluids on MON after biopsy
1/19/04		scope about near inguinal area - fluid fluid noted - no lumps noted on scope (A) lobulated lump noted on R side - difficult to know what is going on internal large gall bladder - areas of white tissue under shell noted - tumor? liver appears OK - gave 250cc low protein SA - 1200 mg umbilicus IM

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME		ADDRESS			TELEPHONE
PATIENT 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
1/19/04		A) Blood was up v TP (white AB + clots) Hct v T ha / W P RATIO
		P program graduated to pool sent to kennel 1/20/04 for observation in water + consultation w/ G.B.
		See if eds. 300 cc subcutaneous fluids + P with my Avella
1/20/04		Edema noted in neck in front possible due to fluids. Rn

MAKAI ANIMAL CLINIC
420 O. LUKU STREET
KAHUA, HI 96734

TURTLE ID	HAWKSBAW - KOOBWA	1/19/04						
DATE	1/19/04							

	MEAN	SD	RANGE	1/19/04				
ALK. PHOS.	33.5	12.2	12-62	78				
ALT (SGPT)	3.9	7.0	0-50	10				
AST (SGOT)	158.4	41.5	1-270	51				
CK				679				
LDH	203.8	180.4	55-1286	354				
ALBUMIN	1.7	.4	.6-2.2	0.6↓				
TOTAL PROTEIN	4.2	.6	2.9-5.6	1.2↓				
GLOBULIN	2.7	.5	1.8-4.0	0.6↓				
BUN	25.8	70.7	0-320	31				
CREATININE	.2	.1	.1-5	0.3				
CHOLESTEROL	140	43	32-280	61				
GLUCOSE	114.7	35	64-234	71				
CALCIUM	9.1	1.7	1.1-12.1	5.3				
PHOSPHORUS	8.2	1.3	5.9-11.8	5.1				
POTASSIUM	5.2	.9	3.9-8.6	3.9				
SODIUM	158	4.0	146-170	156				
A/G RATIO	.6	.2	.2-1.2	1.0				
URIC ACID	1.3	.8	0-4.5	1.7				
CA/P RATIO	1.1	.13	.18-1.0					
WBC ESTIMATE				6-8				
WBC COUNT	13.8	5.3	5.9-23.6	6.5				
HEMATOCRIT	29	4	17-35	16↓				
HETEROPHILS	10	3	4-17	52				
NEUTROPHILS				7				
LYMPHOCYTES	71	8	53-83	45				
MONOCYTES	6	3	4-17					
EOSINOPHILS	13	6	4-29	1				
BASOPHILS	0	0	0-1					
ABSOL HETS	1380		236-4012	3536				
ABSOL NEUT				136				
ABSOL LYMPH	9798		3127-19588	3060				
ABSOL EOSINO	1794		236-6844	69				
ABSOL MONO	828		236-4012					
THROMBOCYTES								
LYM/HET RATIO	7.0		4-13					

*INJECTIONS: AMIKACIN IM
1/23, 1/26

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 1/20/04

NECROPSY DATE: 1/1 MTRP STRANDING ID 1/16/04

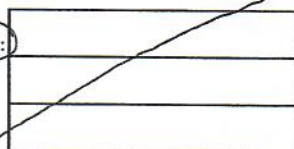

CONTACT: (Hawaii Nautical Koolina Marina) Doug Ewart	DATE: 1/16/04	LOCATION: Koolina Marina, Oahu
PERSON RECORDING DATA: TH/BM		

DESCRIPTIVE REMARKS: Found in the water, not been seen for ~~several~~ ^{about a} ~~few~~ ^{month} months P/U by Doug and brought to shore. P/U by TH and taken to NMFS-lab and then taken to Makai by BM.
 • Deformed carapace, # laterals sunken, R laterals raised P/U on 1/20/04 @ MTC by BM; brought to NMFS-KRF.

~~PREMORTEM~~ Examination

- L half of carapace sunken
- neck swollen to 1 1/2 x size
- missing LFF: healed
- covered in barnacles
- algae
- L marginals outer edge smooth
- holes in HFS
- RHF 2nd nail partially missing

HAWKS BILL *

TUMOR SCORE: <input type="checkbox"/>	TAGS: 	SEX: Male, Female or Undetermined <input type="checkbox"/>
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>		
EMACIATION CODE: 2		MT#: 

STRAIGHT CARAPACE - LENGTH: 47.8 cm	WIDTH: 37.2 cm
NOTCH LENGTH: 46.6 cm	PPS (Y/N): Y
CURVED CARAPACE LENGTH: 51.0 cm	WIDTH: 44.0 cm
HEAD WIDTH: 7.8 cm	AXIAL: <input type="text"/> cm LATERAL: <input type="text"/> cm
TAIL LENGTH: T 9.0 cm C 6.5 cm	DP.M removed DB: 100 50 VB: 60
RIGHT FRONT FLIPPER WIDTH: 7.9 cm	SAMPLES COLLECTED: <input type="text"/>
PLASTRON LENGTH: 36.4 cm	<input type="text"/>
WEIGHT: 24.2 #	<input type="text"/>

CONTINUED REPORT

MAKAI ANIMAL HOSPITAL
420 ULUNIU ST.
KAILUA, HI 96734

IDEXX VETERINARY SERVICES
Online results at www.vetconnect.com
West Region 800-444-4210
East/Central/Colorado 888-433-9987

MAKAI ANIMAL HOSPITAL
420 ULUNIU ST.
KAILUA, HI 96734

IDEXX VETERINARY SERVICES
Online results at www.vetconnect.com
West Region 800-444-4210
East/Central/Colorado 888-433-9987

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS, HAWKSBILL

REQ #: 4743782
AGE: SEX:
SPECIES: REPTILE
BREED: HAWKSBILL SE TR
LAB #: L2508696
COLLECTED: 01/16/2004
RECEIVED: 01/18/2004 07:05
REPORTED: 01/18/2004 11:14

DOCTOR: MORRIS, R

TEST PROCEDURES

RESULTS REFERENCE RANGE UNITS
ADEQUATE
SLIGHT
MODERATE

THROMBOCYTES

POLYCHROMASIA

ANISOCYTOSIS

BLOOD PARASITES

NO PARASITES SEEN

REMARKS

CELLS DO NOT APPEAR TOXIC OR REACTIVE

NEUTROPHIL SEG = AZUROPHILS

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS, HAWKSBILL

REQ #: 4743782
AGE: SEX:
SPECIES: REPTILE
BREED: HAWKSBILL SE TR
LAB #: L2508696
COLLECTED: 01/16/2004
RECEIVED: 01/18/2004
REPORTED: 01/18/2004

DOCTOR: MORRIS, R

TEST PROCEDURES

TEST PROCEDURES	RESULTS	REFERENCE RANGE	UNITS
REPTILIAN PROFILE #1			
REPTILIAN PANEL #1			
* ALK. PHOSPHATASE	78		IU/L
* ALT (SGPT)	10		IU/L
* AST (SGOT)	51		IU/L
* CK	679		IU/L
* LDH	354		IU/L
* ALBUMIN	0.6		g/dL
* TOTAL PROTEIN	1.2		g/dL
* GLOBULIN	0.6		g/dL
* BUN	31		mg/dL
* CREATININE	0.3		mg/dL
* CHOLESTEROL	61		mg/dL
* GLUCOSE	71		mg/dL
* CALCIUM	5.3		mg/dL
RESULT VERIFIED BY REPEAT ANALYSIS			
* PHOSPHORUS	5.1		mg/dL
* POTASSIUM	3.9		mEq/L
* SODIUM	156		mEq/L
* A/G RATIO	1.0		
* URIC ACID	1.7		mg/dL
AVIAN/EXOTIC CBC AND PLASMA PROTEIN			
WBC-EST	6-8		THOUS
WBC COUNT	6.8		THOUS
HCT	16.0		%
HETEROPHILS	52		%
NEUTROPHIL SEG	2		%
LYMPHOCYTES	45		%
EOSINOPHIL	1		%
ABSOLUTE HETEROPHIL	3536		/uL
ABSOLUTE NEUTROPHIL SEG	136		/uL
ABSOLUTE LYMPHOCYTE	3060		/uL
ABSOLUTE EOSINOPHIL	68		/uL

NMFS, HAWKSBILL

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

NMFS, HAWKSBILL

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

PAGE 2 OF 2

PAGE

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:

Examined by Dr. Morris @ NURS-KAE on 1-21-04.
 Given 220mg IM Amikacin on 1/23 + 1/26
 Examined by Dr. Morris @ NURS-KAE on 2-4-04. Dr. Morris aspirated 1.371 of
 pinkish clear fluid from body cavity (via ventral RHF area near laparascopy
 area)
 Given 3 tablets of Baytril on 2/18 + 2/23/04

19 FEB 2004

TUMOR SCORE:

APPROXIMATE TUMOR SIZE CATEGORIES:

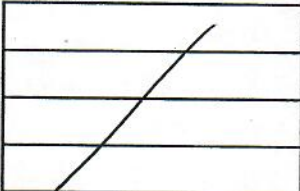


- #1 = DETECTABLE PATCH TO 1cm DIAMETER
- #2 = >1cm TO 4cm
- #3 = >4cm TO 10cm
- #4 = >10cm

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3,10,04

CAPTURE DATE, LOCATION AND METHOD:

1/16/04 ; Ko'olina Marina, OAHU ; Stranding
PERSON RECORDING DATA: BM/SKMM

TUMOR SCORE <input type="text" value="0"/>	OLD TAGS: 	NEV 44143B0202
ORAL TMRS EXT: YES OR NO <input type="text" value="-"/>		RHF 
EMACIATION CODE <input type="text" value="2"/>	MT# "H" on 2nd L./R. laterals	LHF 4422113854 

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

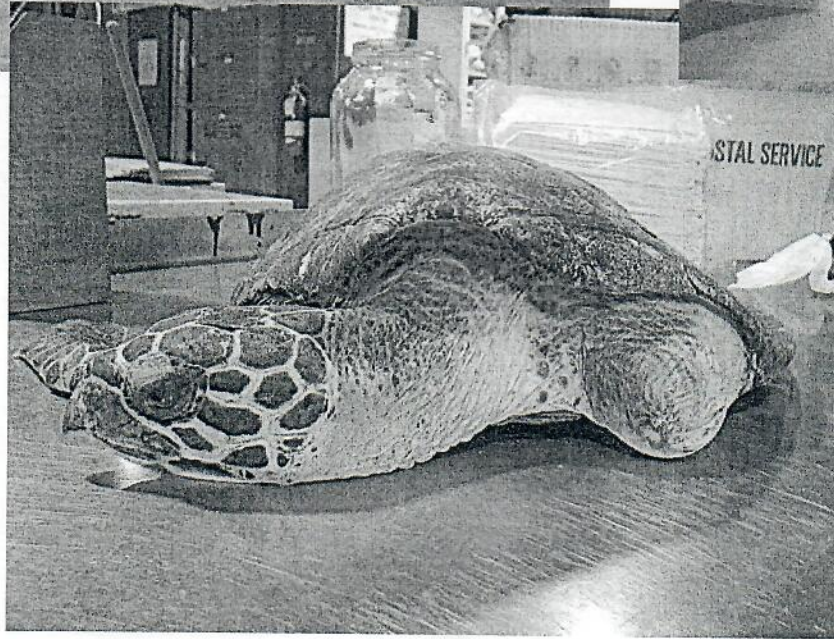
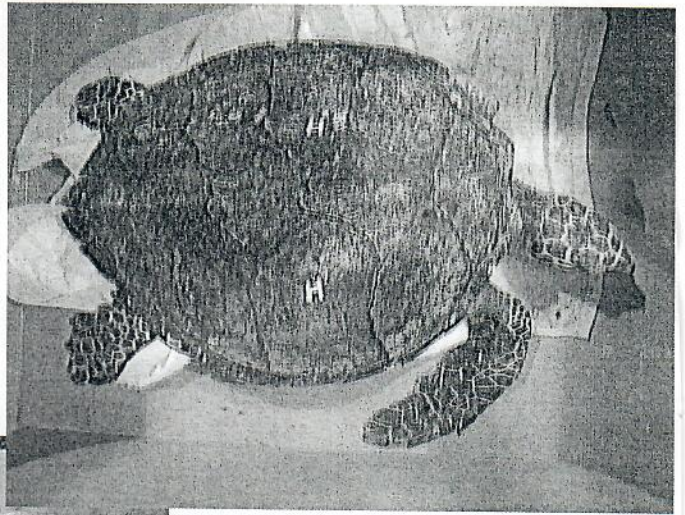
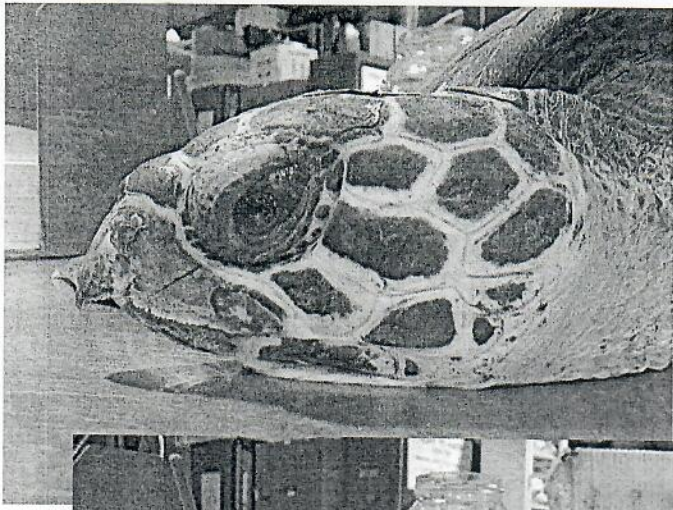
TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #
GLUCOSE: GB MR

DESCRIPTIVE REMARKS:
CA on carapace
Cloacal area pinkish-purple
taken to Makai Animal Centre on 3/10/04 by BM for Dr. Morris to release
off his fishing boat.



1/16/04
HAWKSBILL
Koolina Marina, Oahu
Released 3-10-04

29 JAN 2004

Subject: Re: Midway - Green Sea Turtle (fwd)
From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
Date: Thu, 22 Jan 2004 21:44:12 -1000
To: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>, Bridget McBride <bmcbride@mail.nmfs.hawaii.edu>, Cody Hooven <cody.hooven@noaa.gov>

FYI

----- Forwarded message -----

Date: Thu, 22 Jan 2004 21:38:27 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Tim Bodeen@r1.fws.gov
Cc: Jerry Leinecke@r1.fws.gov, Thierry Work <thierry_work@usgs.gov>, John Klavitter <John_Klavitter@r1.fws.gov>, Michael_R_Johnson@r1.fws.gov
Subject: Re: Midway - Green Sea Turtle

Tim- I've been on travel a lot lately, I can't recall the message about this turtle. Please resend and provide a "case description" as best possible. The photos will really be important to view, please provide an array of views.

Did the turtle strand (beach itself) along the shoreline? Or was it found floating (lethargic?) off shore (unable to dive)? We bring in many live stranded green turtles each year, and have done so for 20 years. The prognosis is not good for at least 80% of them, sorry to say. They end up being evaluated by our clinical vet, Dr. Bob Morris (Makai Animal Clinic), and those with little or no hope are sent to Thierry Work for euthanasia and necropsy for research. I'm mentioning this to you so there will be no unrealistic expectations if the turtle is sent to Honolulu on the flight you mentioned.

If the turtle is sent to Honolulu I agree to accept it into my program for evaluation/treatment Dr. Morris under my contract with him (in other words I'll pay the vet bills). However, I have no human resources this coming Saturday for the turtle to be picked up and taken to Dr. Morris' clinic (in Kailua). Someone from FWS would need to do that, apologies it's not possible from my end. Also, if it's shipped it should absolutely not be shipped in sea water-- none. It needs to be put in an

29 JAN 2004

animal carrier (such as for dogs). I should still have one up there (for urgencies like this), but my recollection is that it's a "jumbo" size- way too large for the turtle, but nevertheless will do the job if nothing else (a substitute box) is available. The ideal would be to take the turtle out of the carrier, put it into a cardboard box to transport to Dr. Morris, and send the carrier back to Midway on the next available flight (if indeed the turtle is sent in the carrier).

As far as paper work and authorizations, I can take care of that by calling Domingo Cravalho at State Agriculture. Nothing else is needed to my knowledge-- at least it never has been in the past.

Looking forward to hearing more. Aloha, George
PS Note I'll be at meetings in California all next week.

On Thu, 22 Jan 2004 Tim_Bodeen@r1.fws.gov wrote:

Hi George,
I captured the sick Green Sea Turtle I mentioned in an earlier e-mail to you. It is small turtle, probably 14" wide across the carapace. The flippers are badly eroded with lesions on face, particularly the eyelids. I have it in a very large pallet tub full of seawater. We have an aircraft departing Midway Saturday morning, which will arrive Honolulu approximately 11:30 AM Hono Time. Should we transport the sick turtle to you for treatment? What type of paperwork do we need to complete? I will send photos in the morning.
Best Regards

Tim Bodeen
Refuge Manager
Midway Atoll NWR
300 Ala Moana Blvd., Room 5-231
Honolulu, HI 96850
808-674-8237 ext 102
Fax 808-674-1967

LIVE TURTLE EXAMINATION RECORD

29 JAN 2004

Date: 1/24/04
 Turtle ID: MIDWAY ISLE "TRIXIE"
 Comments: WT 14.6 LBS

SKIN 1+ MONTH AGO - DIVES ARE CAUGHT AT PIER

PHYSICAL EXAM

Head and neck: many scales top of head

Mouth: clean

Eyes: over over Day (S. Aves) w/ cataract

Front flippers: Missing distal 1/2 - necrotic area remaining 1/2 of flipper? Missing tip of flipper some necrotic tip
 Shell: degenerate form

Plastron: Form, slightly sunken

Rear flippers: Left - long hole in flipper missing part of tip several necrotic areas

Tail: normal

BODY CONDITION: Mild emaciation

SAMPLES TAKEN

PCV TP X-RAY 2

CBC Chemistries

Others: BIOPSY FLIPPER SKIN
CSS + FOLICAN - Necrotic AREA

APPROXIMATE TUMOR SIZE CATEGORIES:

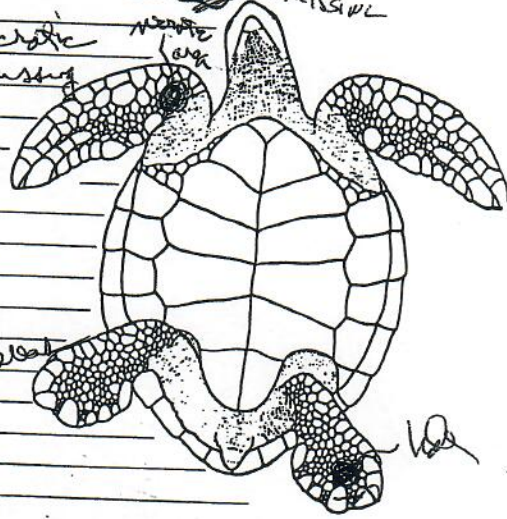
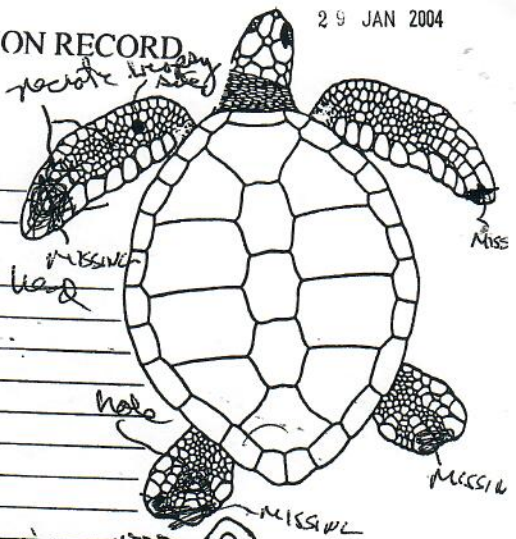
- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

RECOMMENDATIONS: CSS Lesions blood work up
turtle seems strong - Pt dead in 70-90 min
IM - BACTROBIOM TO SKIN LESIONS -

Signed: Robert C. Morris, DVM 35 min AMIKACIN
1/27, 1/30, 2/2

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

1/26 - 200 cc fluid / NORMISON R



* INJECTIONS: 1/27, 1/30, 2/2

AMIKACIN 35mg IM

* OINTMENT: daily

BATTI DERM, thin layer, use goggles

DATE FORM FILLED OUT 1/26/04

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

tablets:
Baytril
68 mg

29 JAN 2004

SEA TURTLE NECROPSY / TUMOR FORM

NECROPSY DATE: / /

MTRP STRANDING ID 1/22/04

CONTACT: Tim Bodeen (USFWS)	DATE: 1/22/04	LOCATION: Midway
PERSON RECORDING DATA: BM		

DESCRIPTIVE REMARKS: **TRIXIE!**

EXAMINATION P/U at MAC 1-26-04 by BBM: brought to KRF.

- top of head @ side missing scutes
- R eye white tissue at posterior end, missing top scute
- LFF: ^{majority} missing, ^{dorsal} tissue exposed (dorsal), not a clean cut (jagged)
- LHP: posterior edge missing, some tissue exposed (2 nickel size areas on dorsal); quarter size hole;
- RHP: posterior edge missing, v. 5m. area of tissue exposed (1cm) dorsal
- RFP: missing tip, jagged tear; 2cm area of tissue exposed on dorsal side; quarter size tissue exposed on ventral

- skin barnacles
- PCA on plastron
- old barnacle scar on ventral side of neck
- dried gray/purple hard substance on plastron near barnacle. Batti scraped off, looks like coral marlax

over →

TUMOR SCORE: <input checked="" 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: cm WIDTH: cm

NOTCH LENGTH: cm PPS (Y/N):

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: cm **AXIAL** cm **LATERAL** cm

TAIL LENGTH: T cm C cm DB: VB:

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: cm

WEIGHT: #

forms@nrcr.org

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

Makai Animal Clinic
420 Uluniu St, Kailua, HI 96734
Phone: (808) 262-9621

Date: 26 January, 2004 Exp 01/05
Bactoderm Ointment
Directions: Apply thin coat to affected area once daily.

USE GLOVES

Name: "Midway Turtle" Dr. Morris

KEEP OUT OF CHILDREN'S REACH FOR VETERINARY USE ONLY

OTHER INFORMATION:

02 FEB 2004 Applied Bactoderm ointment daily until 2/6/04
 02 FEB 2004 Given 35 mg kymikacin on 1/27, 1/30, 2/2
 Dr. Morris examined @ NMFS on 2-4-04.
 We applied betadine/saline solution to necrotic areas.
 11 FEB 2004 Given 2 tablets Baytril (68mg) on 2/5, 2/10/04
 19 FEB 2004 Applied Bactoderm ointment daily from 2/11 -
 24 FEB 2004 Taken to Makai Animal on 2-20-04 for application of dental patch to head

TUMOR SCORE:

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

Released at
Kawai Kii Beach Park
3/8/04 3:35pm

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3, 8, 04

CAPTURE DATE, LOCATION AND METHOD:

1/22/04 Midway, HI Stranded & retrieved by Tim Bodeen (USFWS)
shipped to Honolulu for treatment

PERSON RECORDING DATA: CH/OKM

TUMOR SCORE

\emptyset

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

1

OLD TAGS:

(Empty box with diagonal line)

NEW TAGS:

RHF 4455171B68

LHF 4452262901

MT# "TX" on 2nd L/R laterals, white paint

STRAIGHT CARAPACE - LENGTH:

40.4 cm

WIDTH: 33.2 cm

NOTCH LENGTH:

39.9 cm

DB: \emptyset L.O.

VB: \emptyset L.O.

CURVED CARAPACE LENGTH:

42.0 cm

WIDTH: 37.5 cm

HEAD WIDTH:

6.3 cm

AXIAL: 14.2 cm

LATERAL: 13.7 cm

PPS: YES OR NO OR NE

y

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

8.0 cm

C 5.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

7.3 cm

PLASTRON LENGTH:

32.9 cm

WEIGHT:

16.5 #

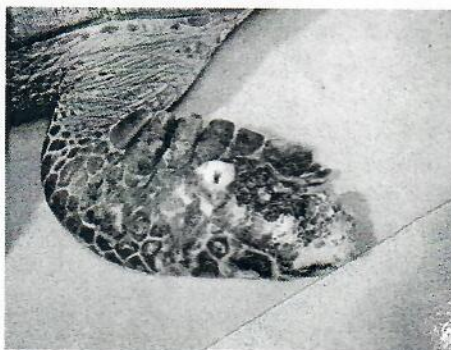
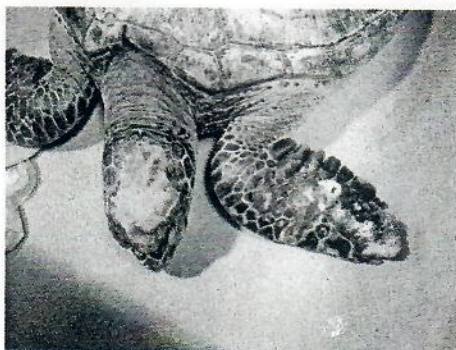
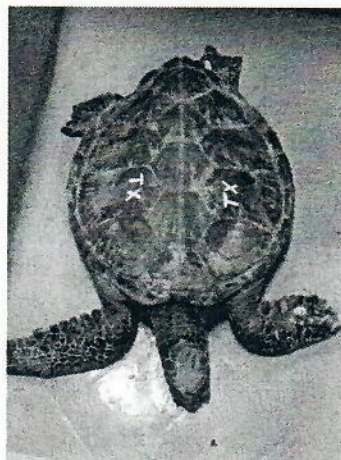
GLUCOSE:

GB MR

DESCRIPTIVE REMARKS:

(Empty box)

01-22-2004
Tim Bodeen
Midway Island
MT "TX" for Trixie
Released 03-08-2004



Released @ Kaneohe
Bay Pch AK @ 9:35a
by BM/SKM.
Turtle very feisty and
swam straight out from
shore then turned right
(South)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 04, 01, 04

CAPTURE DATE, LOCATION AND METHOD:

UHH-MOP	03-30-04	Hilo (Richardson Ocean Center), Hawaii Stranding
PERSON RECORDING DATA: SKM		

TUMOR SCORE 3	OLD TAGS:	N 4414266D10
ORAL TMRS EXT: YES OR NO Y		RHF 441318085B
EMACIATION CODE 1		LHF
MT#	"5B" on 2nd L./R. laterals	

STRAIGHT CARAPACE - LENGTH: 57.8 cm WIDTH: 47.6 cm

NOTCH LENGTH: 57.4 cm DB: \emptyset L.O. VB: \emptyset L.O.

CURVED CARAPACE LENGTH: 62.0 cm WIDTH: 58.0 cm

HEAD WIDTH: 9.4 cm AXIAL: 21.7 cm LATERAL: 22.0 cm

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

TAIL LENGTH: T 14.0 cm C 10.0 cm

RIGHT FRONT FLIPPER WIDTH: 10.6 cm SAMPLES COLLECTED: Blood taken by

PLASTRON LENGTH: 49.9 cm Dr. Morris on 4-1-04
PCV-27, TP-3.0

WEIGHT: 56.6 #

GLUCOSE:	GB	MR

DESCRIPTIVE REMARKS:

SB
Examined by Dr. Morris/GHB on 4-1-04. Held @ MAC for cryosurgery of base
of all tumors. Plu by BM/SKM on 4-2-04, then tagged/released.

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	2				2	#1 lid, #1 post. corner
LEFT EYE		2			2	#1 ant. corner, #2 cornea
MOUTH						#3 RSH, #3 LSH
NECK						
RFF	1		2	0	1	
LFF			2	1	3	
RHF	2		1	0	3	
LHF	2	0		0	2	
CLOACA / TAIL	2				2	#1 cloaca
SEAMS / SCUTES						
INTERNAL						
TOTAL	9	2	3	1	15	

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

Y

TUMOR SCORE:

3

OTHER INFORMATION:

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: 4/10
 Turtle ID: 1110 3/30

Comments:

56.6 lbs
PHYSICAL EXAM

Head and neck: none

Mouth: no glom - jawbone tumors
#3 lvs 2nd after 2nd

Eyes: OS - 2 #2 - normal
OD 2 #1

Front flippers: L - 1 #4 - 2 #3
R - #1

Shell: none

Plastron: none slightly swollen

Rear flippers: R - 1 - #3 2 #1
L 2 - #1

Tail: 2 - #1 (1 cm clamp)

BODY CONDITION: mod emaciated

SAMPLES TAKEN

PCV 27 T.P. 3.1

CBC _____ Chemistries _____

Others _____

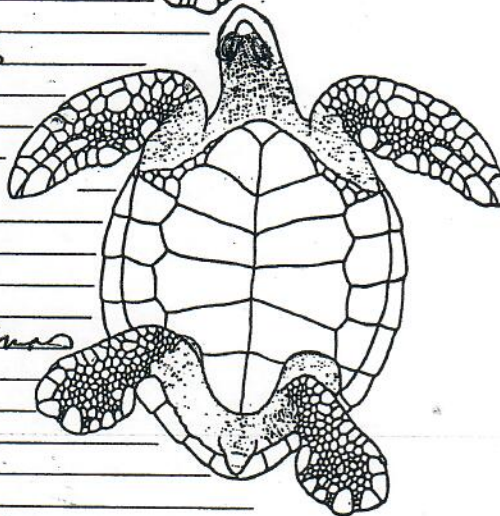
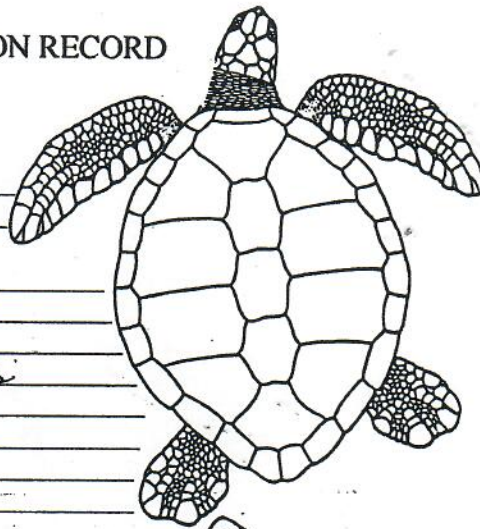
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: Because PCV OK & no glom tumors I was decided to do cryosurgery on
tumors


Signed: Robert Anthony Dwyer

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



MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME N MFC		ADDRESS		TELEPHONE	
PATIENT NAME 1110		SPECIES 3/31/04	BREED CRAVEN	SEX	COLOR AND MARKINGS
ALTERED S <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION staining		LAB	X-RAY

DATE	TEMP	DESCRIPTION
1/1/04		Tumor active - no other tumors Pk good - derision to cryosurg tumors at base ① R tail #3 large tumor base 3x ② L eye - med 2d center #2 ③ L upper base of #4 tumor ④ base of #3 tumor (2) ⑤ R near base of #3 ⑥ whole tumor #2 base of tail whole tumor #1 2 flayed base Sedation used talazyl 35mg IV + 35mg IM - sedation OK for cryo - remove 3x areas tumors #1 3 & #2 done IM for fluors P OK to release this tumor 4/2/04 -
		

MAKAI ANIMAL CLINIC
 420 ULUNIU STREET
 KAILUA, HI 96734

Date: Thu, 11 Mar 2004 09:54:54 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Bridget McBride <bmcbride@mail.nmfs.hawaii.edu>,
Tara Hite <tara.hite@noaa.gov>,
Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>,
Cody Hooven <cody.hooven@noaa.gov>
Subject: Re: Hawksbill (fwd)

FYI good news!

----- Forwarded message -----

Date: Thu, 11 Mar 2004 09:15:07 -1000
From: Robert Morris <morrisr005@hawaii.rr.com>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: Hawksbill

Your pet hawksbill swam off well, and even dove--16.4 miles directly out from the Kaneohe Bay head buoy..He said thank you! So did the 6 Mahi we caught!

----- Original Message -----

From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
To: "Robert Morris" <morrisr005@hawaii.rr.com>
Sent: Wednesday, March 10, 2004 9:33 PM
Subject: Hawksbill

>
> How did it go today?
>
> My time at Punaluu went well, but I have now sworn (vowed) I shall never
> ever take a 530am flight to the Neighbor Island. TO do that I had to
> set my alarm for ...345am. Bob, I'm getting too damned old to be doing
> things like that! Aloha, George
>
>
>

GHB copy *Reduce*

Released by *ES/SMC*
Kaneohe Beach Park on 6-23
Turtle swim off strongly.

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT *6/23/04*

CAPTURE DATE, LOCATION AND METHOD:

Stranding

<i>ERM</i>	<i>6/22/04</i>	<i>Haleiwa (leftover)</i>
PERSON RECORDING DATA: <i>ES/SM</i>		<i>Oahu</i>

TUMOR SCORE <i>2</i>	OLD TAGS:	RHF	N 44130B7840
ORAL TMRS EXT: YES OR NO <i>Y</i>		LHF	4414072F5E
EMACIATION CODE <i>0</i>	MT# <i>"5E" on 2nd L/R. laterals</i>		

STRAIGHT CARAPACE - LENGTH:	<i>63.7</i> cm	WIDTH:	<i>50.3</i> cm
NOTCH LENGTH:	<i>63.7</i> cm	DB:	<i>0</i> L.O.
		VB:	<i>0</i> L.O.
CURVED CARAPACE LENGTH:	<i>70.0</i> cm	WIDTH:	<i>63.0</i> cm
HEAD WIDTH:	<i>9.4</i> cm	AXIAL:	<i>27.5</i> cm
		LATERAL:	<i>27.5</i> cm
PPS: YES OR NO OR NE	<i>Y</i>	SEX: Male, Female or Undetermined	<i>U</i>
TAIL LENGTH: T	<i>15.0</i> cm	C	<i>10.5</i> cm
RIGHT FRONT FLIPPER WIDTH:	<i>11.4</i> cm	SAMPLES COLLECTED:	<i>Digital photos</i>
PLASTRON LENGTH:	<i>52.4</i> cm		
WEIGHT:	<i>80.4</i> g	GLUCOSE:	
		GB	MR

DESCRIPTIVE REMARKS:

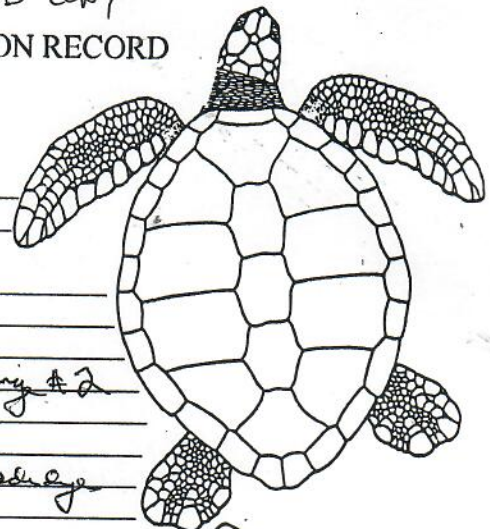
*Found alive on beach with tumors
on eyes, jaw, FFS. Plu by BBM, brought to MAC
CA on carapace*

80.400s

GHB COPY

LIVE TURTLE EXAMINATION RECORD

Date: 6/22/04
Turtle ID: 17712
Comments: on beach 24 hrs



PHYSICAL EXAM

Head and neck: #2 neck

Mouth: 2 downward #2 R downward #2
no gaps

Eyes: very limited vision OS + OD - 1/2 each eye
2 #2 tumors OS + OD -

Front flippers: #2 R flippers
#2 L flippers

Shell: normal

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: ^{good} good

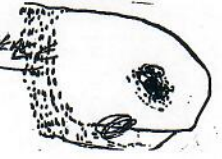
SAMPLES TAKEN

PCV 30 T.P. 4.0
CBC _____ Chemistries _____
Others X-rays

APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: Not enough tumors to
make turtle a straggler. PCV good - body
condition good - RAD'S - no evidence of HKS ok
Signed: P. [Signature] 6/23



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

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

GB
KRF - Removed
Sonic tag
with hacksaw
6/16/04
Scale looks
perfect underneath
hand However
not enough elastone
under tag

CAPTURE DATE, LOCATION AND METHOD:

06-04-04 Kaloa, Hist. Natl. PK, Hawaii

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

1

OLD TAGS:

LHF 413E3B38388

RHF 41357B1D7A

SONIC
(oral lateral)

"V"

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

55.6 cm

WIDTH: — cm

NOTCH LENGTH: — cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

59.0 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

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: — cm

PLASTRON LENGTH: — cm

WEIGHT: 37.4 lbs #

Renewed MT "V"
2nd set left & right
Some 6/16/04
Soft to plastron.

DESCRIPTIVE REMARKS:

Surgery performed on 6-9-04 by Dr. Morris to remove proximal L. humerus
Plu tag removed on 6-7-04 and taken to NMFS-KRF.

→ MILD EMACIATION + Portions of PLASTRON ARE SOFT

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME N MFS		ADDRESS		TELEPHONE	
PATIENT NAME KONA		SPECIES	BREED GREEN TURTLE	SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION		LAB	X-RAY
DATE	TEMP	DESCRIPTION			
6/4/04		X-rays - no internal masses noted et al reveals bone exposure - AP stat on Anesthesia 85mg @ 72hr. B + B complex (Anesthesia) 1/2 warm fluids (Anesthesia-R) 400cc will send Schistode surgery for removal of proximal humerus			
6/5/04		Surgery: local anesthesia w/ phosphenic sedation gas - local anesthesia surgical prep to humerus area - 11:00am gas 11:15 start surgery Routine amputation of proximal humerus at joint - 2:0 very close of space w/ muscle & tissue - SA 2:0 very 2:0 very close closure continuous mattress 11:30 off gas - Surgery end 12:00 - HR 30 - 12:00 HR 32 - 12:30 - no signs of recovery 12:55 - head up 1:10 - find subcutaneous no active & ready - off on - leave in tube put outside on bench/wet towel finally humane tube 4:50 full recovery at 6 hrs + pressure wrap 1/2 warm fluids 400cc warm fluids volume			
6/6/04		wound well to towels - 85mg Anesthesia IM Kenne wrap - Anesthesia 85mg for 6/10, 6/13			

MAKAI ANIMAL CLINIC
 420 ULLINU STREET
 KALUA, HI 96734

(Signature)

MAKAI ANIMAL HOSPITAL
420 ULUNIU ST.
KAILUA, HI 96734

IDEXX VETERINARY SERVICES
Online results at www.yetconnect.com
West Region 800-444-4210
East/Central/Colorado 888-433-9987

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS, BIG ISLAND

REQ #: 4940902
AGE:
SPECIES: REPTILE
BREED: GREEN SEA TURTLE

SEX:
LAB #: L3600704
COLLECTED: 06/05/2004
RECEIVED: 06/06/2004 07:46
REPORTED: 06/06/2004 11:07

DOCTOR: MORRIS, B
TEST PROCEDURES
REPTILIAN PROFILE #1
REPTILIAN PANEL #1

	RESULTS	REFERENCE RANGE	UNITS
ALK. PHOSPHATASE	16		
ALT (SGPT)	2		IU/L
AST (SGOT)	250		IU/L
CK	5810		IU/L
LDH	233		IU/L
ALBUMIN	1.0		IU/L
TOTAL PROTEIN	2.6		g/dL
GLOBULIN	1.6		g/dL
BUN	52		g/dL
CREATININE	0.4		mg/dL
CHOLESTEROL	63		mg/dL
GLUCOSE	61		mg/dL
CALCIUM	11.1		mg/dL
PHOSPHORUS	3.4		mg/dL
POTASSIUM	4.3		mg/dL
SODIUM	149		mEq/L
A/G RATIO	0.6		mEq/L
URIC ACID	1.0		mg/dL
AVIAN/EXOTIC CBC AND PLASMA PROTEIN			mg/dL
WBC-EST	8-10		
WBC COUNT	8.5		THOUS.
HCT	19.0		THOUS.
HETEROPHILS	48		%
NEUTROPHIL SEG	2		%
LYMPHOCYTES	49		%
EOSINOPHIL	1		%
ABSOLUTE HETEROPHIL	4080		/uL
ABSOLUTE NEUTROPHIL SEG	170		/uL
ABSOLUTE LYMPHOCYTE	4165		/uL
ABSOLUTE EOSINOPHIL	85		/uL
THROMBOCYTES	ADEQUATE		/uL

NMFS, BIG ISLAND

FINAL REPORT - CONTINUED ON NEXT FORM

PAGE 1

CONTINUED REPORT

MAKAI ANIMAL HOSPITAL
420 ULUNI ST.
KAILUA, HI 96734

IDEXX VETERINARY SERVICES
Online results at www.vetconnect.com
West Region 800-444-4210
East/Central/Colorado 888-433-9967

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS, BIG ISLAND

REQ #: 4940902

AGE: SEX:

SPECIES: REPTILE

BREED: GREEN SEA TURL

LAB #: 13600704

COLLECTED: 06/05/2004

RECEIVED: 06/06/2004 07:46

REPORTED: 06/06/2004 11:07

DOCTOR: MORRIS, R

TEST PROCEDURES

BLOOD PARASITES

NO PARASITES SEEN

REMARKS

RESULTS

REFERENCE RANGE UNITS

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

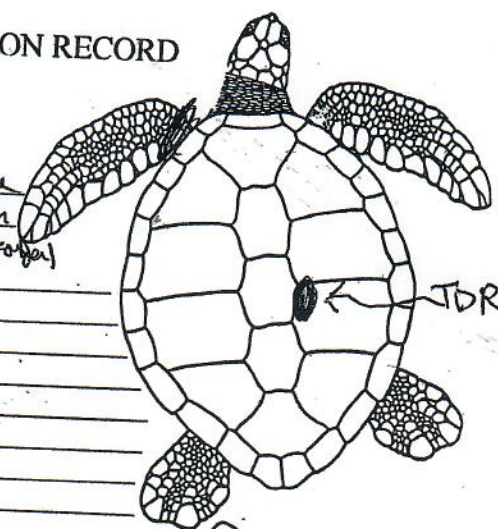
NMFS, BIG ISLAND

*** FINAL REPORT ***

PAGE 2 OF 2

WT: 37.40g w/o pp
LIVE TURTLE EXAMINATION RECORD

Date: 6/4/04
 Turtle ID: HAWAII - KALOKO
 Comments: LFF straggled w/ saline
+ ran off SCLSSS all TIME/DETH
PHYSICAL EXAM RECORDER (tracking recorder)
 Head and neck: normal



Mouth: normal

Eyes: _____

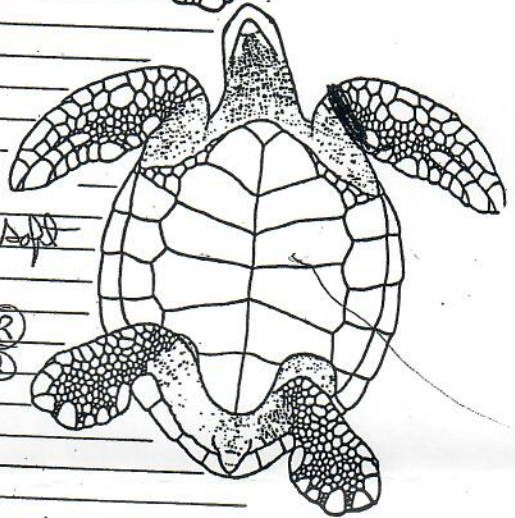
Front flippers: _____

Shell: TDR ON shell - excised
(TRACKING RECORDER - NOT TDR)

Plastron: slightly darker & slightly soft

Rear flippers: Microchip - 41357B107A (R)
413E3B3838 (L)

Tail: normal



BODY CONDITION: mod emaciation

SAMPLES TAKEN
 PCV 2.0 TP. 1.8
 CBC Chemistries
 Others X-ray fluids

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

RECOMMENDATIONS: not red active - cut to dry holding
Diaper - load w/ low vent - tied off - p clean
pass under AB / some pressure wrap
 Signed: Robert Williams, DVM sea rept



SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT / /

NECROPSY DATE: / / MTRP STRANDING ID 06-04-04

CONTACT: <u>Sallie Beavers</u>	DATE: <u>06-04-04</u>	LOCATION: <u>Kauloko Hist. Natl. PK, Hawaii</u>
PERSON RECORDING DATA:		

DESCRIPTIVE REMARKS: Kauloko "V"

Sonic
~~on~~ on 3rd R. lateral
notch in trailing edge of LHF
skin blemish

TUMOR SCORE: <input type="checkbox"/>	TAGS: <u>LHF 413E3B383B</u>	SEX: Male, Female or Undetermined <input type="checkbox"/>
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>	<u>RHF 41357B1D7A</u>	
EMACIATION CODE: <u>1</u>	Sonic	MT#: <u>-</u>

STRAIGHT CARAPACE - LENGTH: 55.9 cm WIDTH: 43.8 cm

NOTCH LENGTH: 55.4 cm PPS (Y/N): Y

CURVED CARAPACE LENGTH: 59.0 cm WIDTH: 51.0 cm

HEAD WIDTH: 8.4 cm AXIAL: cm LATERAL: cm

TAIL LENGTH: T 13.0 cm C 8.5 cm DB: VB:

RIGHT FRONT FLIPPER WIDTH: 9.5 cm SAMPLES COLLECTED:

PLASTRON LENGTH: 43.8 cm

WEIGHT: #