

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

~~REHAB/SURGERY~~
mead

COMPOSITION

RELEASES

2000-2001-2002

G.H. BALAZS

NOTEBOOK
I

100 sheets • 200 pages • 100 hojas
9¾ x 7½ in / 24.7 x 19.0 cm
wide ruled / réalage large / rayado ancho

09918 © 1995 T
Made in U.S.A./

2 of 3



Are you a caregiver for a child, sibling, veteran or aging loved one?
Visit easternbooks.com/caregiver for information and support.

Date: 1A, 2001A * 2 entries

Case #: 538

10 MAY 2001

Agent: Regina

Called by: Docare

Call rec'd: 2:45p

On site: 4:45p

Call reported by: Pat & Ken Nichols 637-7996

Location: North Shore Diving Headquarters
Haleiwa

Status: alive

tags: NO

tumors: 1 on rt ~~fl~~
old on neck

CL: ~~33cm~~ 83.8cm SSP: CCM

Ken found the turtle @ a depth of approx 25' entangled by its left front flipper in a fishing line, he brought to shop & cut the line from the flipper. Arrived on site after conference call to George & found ~ 200 lb turtle in animal carrier brought to Kailua to vet & examined - no tags, small tumor on right front flip., Pam identified old tumor on neck. left flip. to be amputated.

Subject: Voicemail msg.

Date: Mon, 09 Apr 2001 06:44:52 -1000

From: Shawn Murakawa <Shawn.Murakawa@noaa.gov>

Organization: NOAA

To: Shandell Eames <seames@s360.swfc2.nmfs.gov>

1) Sat., 4/7, 6:34pm, Kristy
Tank A: 2/21A, Ko'olina still buoyant, white coloration on neck,
hand-fed 2-1/2 fish + 2 squid from the bottom + vit/cal pills.
Tank B: 3/28, Haleiwa ate 2 fish + 3 squid left on bottom + vit/cal
pills
Tanks drained and cleaned.

2) Sat., 4/7, 6:53pm, Regina
Received call at 3:00pm via DOCARE from Pat/Ken of N. Shore Diving HQ.
Live turtle found in 25' deep water with fishing line entangling LFF.
CCL=33cm (I'm pretty sure I heard her right), no tags, small tumor on
RFF/neck area. Ken removed line before Regina arrived. P/u and taken
to MAC. LFF cut 2/3 from base, probable surgery needed to remove LFF
(as per Pam).

3) Sun., 4/8, 5:23pm, Kristy
Tank A: 2/21A, Ko'olina still monitoring white spot on neck, looks like
skin peeling off, ate 2 squid + 1 fish off the bottom + vit/cal pills.
Tank B: 3/28, Haleiwa ate 5 squid + 2 fish off the bottom + vit/cal
pills
Tanks drained and cleaned.

*Juan Diprunt (N. Shore Dive) 04-10-01 / 12:00
703-1247
Logored limb of amputation & turtle will be
monitored*

Date: Sat, 7 Apr 2001 16:04:05 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Shandell Eames <seames@honlab.nmfs.hawaii.edu>,
Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
Subject: Rescue, Release and Rehab of 118 turtles

09 APR 2001

Today Saturday SSG has a turtle from N. Shore Diving, Ken rescued it fishing line entangle. Anyway, this case called my attention to a mild deficiency in our summary (subject above). NSD is responsible for a number of them on our list, but we don't have them listed! Sure glad I didn't mail them a copy, I'm sure I'd have an UNhappy phone call (deservingly). So, we need Kristy to go though the 118 and earmark which ones were turned in to us by NSD/Ken Nicholls/Pat. Also at the same time have her earmark ones of Marlu's (Only N. SHORE ones). When she has them out let me see. Mahalo, George

LIVE TURTLE EXAMINATION RECORD

Date: 4/17/01A
 Turtle ID: 42001 - H. Kawai Ken notes
 Comments: untreated @ sea? feeding line entangled.

PHYSICAL EXAM

Head and neck: normal

Mouth: protrude small tumour meso jaw (B)

Eyes: left rear lat. cartilage - possible #1
right - possible #1 lat cartilage

Front flippers: left vent #2 tumor - regression?
left - feeding line strangulation - cut thru
bone

Shell: normal

Plastron: normal

Excised by both hands and fed back to Terry Graves M.D.

Rear flippers: normal

Tail: normal - female

BODY CONDITION: good

SAMPLES TAKEN

PCV 17 T.P. 3.0 (Post surgery)
 CBC _____ Chemistries _____
 Others _____

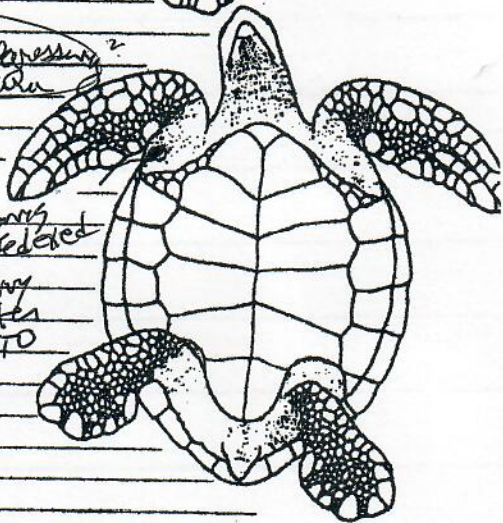
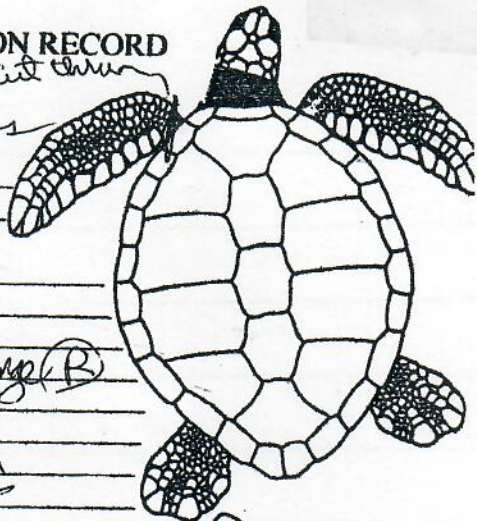
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: amputation - start on AB
Amoxicillin - 400mg IM - surgery on 4/9
tumors regression

Signed: Ronald A. Morris DVM

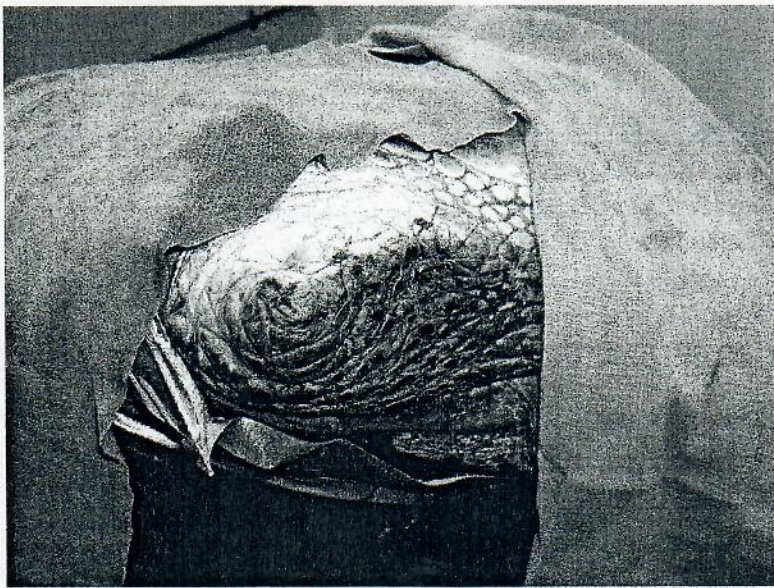
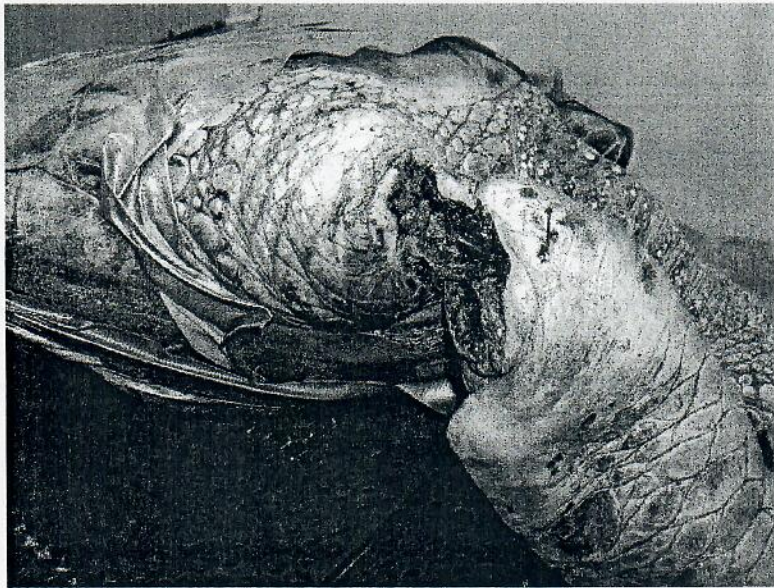
MAKAI ANIMAL CLINIC, 420 Uluniu Street, Kailua, HI 96734



MEDICAL HISTORY - CLINICAL RECORD

19 APR 2001

OWNER NAME HALEIWA MAKLU		ADDRESS			TELEPHONE	
PATIENT NAME		SPECIES	BREED GREEN		SEX	COLOR AND MARKINGS
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION NANO TANKLE 4/7/01			LAB	X-RAY
DATE	TEMP	DESCRIPTION				
4/5/01		Bleeding from Flipper - wrap to stop bleeding				
4/9/01		Local bloods - Impure cone / pharyngosplenic 1cc Jarntar LM also leucocytic bloods - Surgery: Revised flipper zone cut thru by new line - some healing evident (old injury) debride & cut back muscle tissue & remove scar tissue - freshen skin edges 5/8 sutures 2-0 vcrs - skin sutures # 5/8 vcrs address address also 2-0 vcrs for edges - continuous post op. PCP 17 TP 3.6 - a reversal given 1cc LM				
4/14/01 -		Denny ill - found on combass 1st - next injection (4/13/01, 4/16/01) used Kevado 7-10L2 Taken to NMFS REF on 04-10-01 by SA/GTB				



SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 4-14-01

Release

DATE: 5/14/01 MTRP STRANDING ID 04-10-01

CONTACT: <u>Juan Orlhant</u> Pat (N. Shore H.G.)	DATE: <u>04-10-01</u>	LOCATION: <u>Makaha</u> <u>Waianae Beach Harbor,</u> <u>Oahu</u>
PERSON RECORDING DATA: <u>SME</u>		

DESCRIPTIVE REMARKS: found alive by fishing line entangling FF + extending down mouth @ Makaha - taken to Waianae B.H. taken to MAC by SA. LFF amputation surgery on 4/13/01
 Plu by SKB, PGT, GHB on 04-13-01 and taken to NMFS KEF
 Given 250mg of Amikacin on 04-16, 04-19-01
 Sutures removed by Dr. Morris and GHB on 5-11-01.
 Mototail "1B" on 2nd L/R laterals
 Released on 5-14-01 by GHB/SME/SKB at Kuli'ou'ou Beach Park at 3:15 p.m.

TUMOR SCORE: <input type="checkbox"/>	NEW TAGS: <u>423D600F1B</u>	SEX: Male, Female or Undetermined <input checked="" type="checkbox"/>
ORAL TMRS EXT: YES OR NO <input checked="" type="checkbox"/>		LHF: <input checked="" type="checkbox"/>
EMACIATION CODE: <u>1</u>	<u>423B286037</u>	RHF: <input type="checkbox"/>
		DB: <input type="checkbox"/>
		VB: <input type="checkbox"/>

STRAIGHT CARAPACE - LENGTH: <u>82.1</u> cm	WIDTH: <u>67.7</u> cm
NOTCH LENGTH: <u>82.1</u> cm	PPS (Y/N): <u>Y</u>
CURVED CARAPACE LENGTH: <u>87.0</u> cm	WIDTH: <u>85.0</u> cm
HEAD WIDTH: <u>19.0</u> cm	AXIAL: <u>28.8</u> cm
TAIL LENGTH: T <u>36.0</u> cm	LATERAL: <u>30.9</u> cm
	C <u>26.0</u> cm
RIGHT FRONT FLIPPER WIDTH: <u>15.3</u> cm	SAMPLES COLLECTED:
PLASTRON LENGTH: <u>66.2</u> cm	
WEIGHT: <u>-</u> #	

LIVE TURTLE EXAMINATION RECORD

11 9 APR 2001

Date: 4/10/01
 Turtle ID: Kan Kula Waena
 Comments: fishy line enlargement
male turtle no tumors

PHYSICAL EXAM

Head and neck: normal

Mouth: line down down throat
cut short - it was around left
flipper

Eyes: normal

Front flippers: left front - swollen -
prob was all red around flipper - cut to
bone - no use of flipper

Shell: normal

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

PCV T.P.
 CBC Chemistries
 Others

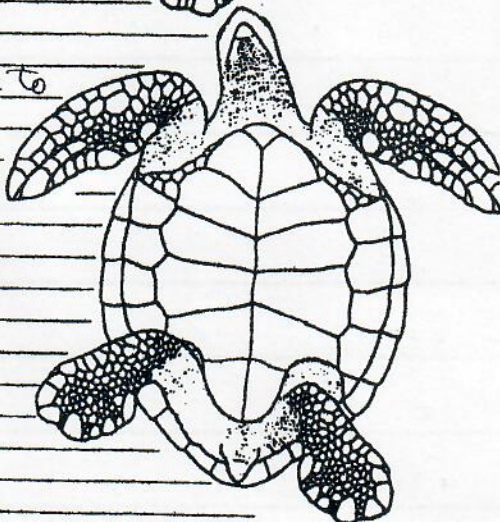
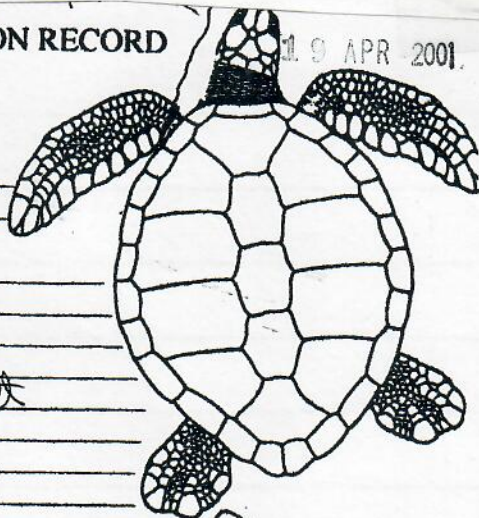
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: Amputation of flipper -
schedule for 4/27/01

Signed: R. Lyons, DVM

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



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

MTRP USE ONLY:
 TOPS: 16 APR 2001
 LOGBOOK: 6 APR 2001

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: Pat (N. Shore Dive HQ) Date and time of call: 04-10-01/1:00p
 Name: Juan Oliphant Phone: 637-7946
 Full mailing address: (optional - to send sea turtle literature) Email: ****VERY IMPORTANT****

Location: 783-1247 Juan cell
271-1156 Chris cell

Where is this turtle located? Found alive w/ fishing line entangling FF and extending down mouth at Makaha

How close is it to the nearest vehicle access way? Taken to Waianae Boat Harbor

Turtle Is the turtle alive or dead? A D Uncertain

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

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

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

What is the condition of the turtle? Entanglement
 (i.e. rotten, fresh, intact or not, unknown)

Are there any obvious signs as to the cause of death or injury? _____

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: JKM

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 - 323-3141; or Waimea - 887-6196
 Molokai: 567-6618 SL went to Waianae B.H. to meet up w/ contacts.
 Lanai: 565-7916
 Kauai: 274-3521
 Maui: 984-8110

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME KEN NICHOLS - WAIAPAE			ADDRESS		TELEPHONE
PATIENT NAME	SPECIES	BREED	SEX	COLOR AND MARKINGS	
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION FLASHING LIGHT 4/10/01	LAB	X-RAY	

DATE	TEMP	DESCRIPTION
4/12/01		<p>Surgery for flipper amputation line was cut muscles - flipper useless Swollen -</p> <p>Over 1.2cc Dormitor IM local block bupivacaine + phenylephrine multiple injections of 3cc each - prob used 15-20cc</p> <p>Amputation of left flipper at shoulder joint - SQ sutures #1 used ^{used} used ^{used} used ^{used} used ^{used} used ^{used} used ^{used} close dead space / muscles flush wound #5 olivebond skin very redness - #1 used ^{used} continuous - at ^{on} skin edges 1cc - Novorsol IM - 10cc - 500mg amoxicillin IM - Sec injections on 4/16, 4/19 Gene in ⁱⁿ 14 d to Kewalo tomorrow</p>

MAKAI ANIMAL HOSPITAL
420 ULUNIU ST.
KAILUA, HI 96734

IDEXX VETERINARY SERVICES
West Region 800-444-4210
Oregon/Washington 800-290-4210
East/Central/Colorado 888-433-9987

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMF5, WAIANAE

REQ #: 1904885 LAB #: L5954541
AGE: SEX: COLLECTED: 04/10/2001
SPECIES: REPTILE RECEIVED: 04/12/2001 07:19
BREED: SEA TURTLE REPORTED: 04/12/2001 11:06

DOCTOR: MORRIS

TEST PROCEDURES

AUJIAN/EXOTIC CBC AND PLASMA PROTEIN

TEST PROCEDURES	RESULTS	REFERENCE RANGE	UNITS
WBC COUNT	9.1		THOUS.
HCT	27.0		%
HETEROPHILS	46		%
NEUTROPHIL SEG	16		%
LYMPHOCYTES	24		%
EOSINOPHIL	1		%
BASOPHIL	3		%
ABSOLUTE HETEROPHIL	4186		MM3
ABSOLUTE NEUTROPHIL SEG	1456		/uL
ABSOLUTE LYMPHOCYTE	2184		/uL
ABSOLUTE EOSINOPHIL	91		/uL
ABSOLUTE BASOPHIL	273		/uL
THROMBOCYTES	ADEQUATE		

BLOOD PARASITES

NO PARASITES SEEN

REMARKS

CELLS DO NOT APPEAR TOXIC OR REACTIVE

RBC MORPHOLOGY APPEARS NORMAL.

NEUTROPHILS = AZUROPHILS

PLASMA PROTEIN

4.3

Revised 04/04/01

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

SEA TURTLE TAGGING FORM

1#3 neck 8/74 note
1#3 RFF = TS 2
NOT TS 1

please correct
and
return
to
GB

[1000 2000]

GB member → Skan

DATE FORM FILLED OUT 4/20/01

CAPTURE DATE, LOCATION AND METHOD:

4-20-01	Ala Moana Beach Park, Oahu,	Caught by GHB Hand / snorkel
PERSON RECORDING DATA: S.M.E. / S.E.L.		

TUMOR SCORE

1	2	3	4	5
X	X	X	X	X

ORAL TMRS EXT.
YES OR NO

N

EMACIATION CODE

[]

OLD TAGS:

NEW TAGS:

RFL
LFL

STRAIGHT CARAPACE - LENGTH: 57.7 cm WIDTH: 45.0 cm

NOTCH LENGTH: 57.3 cm DB: — L.O. VB: 5 L.O.

CURVED CARAPACE LENGTH: 62.5 cm WIDTH: 55.8 cm

HEAD WIDTH: 8.3 cm AXIAL: 23.0 cm LATERAL: 23.1 cm

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

TAIL LENGTH: T 12.0 cm C 8.5 cm

RIGHT FRONT FLIPPER WIDTH: 8.7 cm

PLASTRON LENGTH: 44.6 cm

WEIGHT: 55.0 #

SAMPLES COLLECTED:

RIGHT front flipper and
tumor to Dr. T. Spraker.

DESCRIPTIVE REMARKS:

- one #3 Neck
- one #3 RFF
- RFF possibly dislocated.
- Line entanglement marks around RFF and neck

Sm. Fishing hook in neck next to #3 tumor

over over

forms/tagging.xls →

image 800x600 pixels

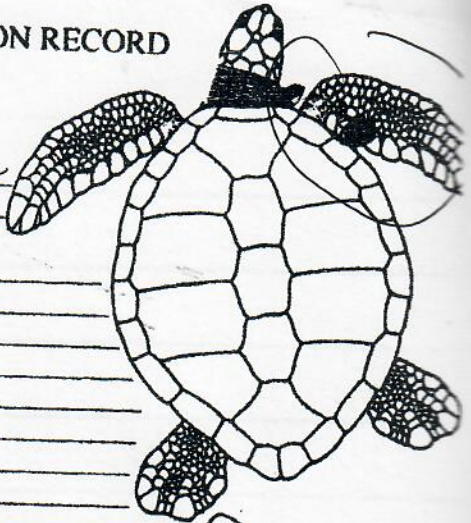


Ala Moana 04-20-01

RFF

LIVE TURTLE EXAMINATION RECORD

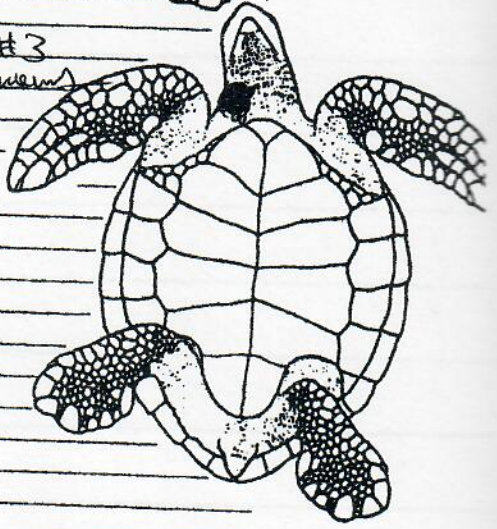
Date: 4/20/01
 Turtle ID: KAILUA BEACH PARK - G.B.
 Comments: CAUGHT BY G.B. NOT USING
(R) FRONT FLIPPER - LINE ATTACHMENT
PHYSICAL EXAM WT 55 LBS CB weight
 Head and neck: tumor neck #3



Mouth: normal

Eyes: normal

Front flippers: R flipper #3 tumor #3
not using flipper - mid shaft lesions
Normal - (both) one mid left -
 Shell: normal



Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: very good

SAMPLES TAKEN

PCV 24 T.P. 3.2
 CBC _____ Chemistries _____
 Others RADS (1) (543)

APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: X-rays show mid humerus
and there - fracture under skin - scar from old wound
(line 2?) - recommend flipper amputation -
 Signed: James Durr



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

MEDICAL HISTORY - CLINICAL RECORD

PATIENT NAME LA MOIANA BEACH PARK - C.B.		ADDRESS		TELEPHONE	
PATIENT NAME	SPECIES	BREED	SEX	COLOR AND MARKINGS	
TERED : O NO O	BIRTHDATE	SPECIAL INFORMATION R FRONT FLIPPER FX		LAB	X-RAY

DATE	TEMP	DESCRIPTION
7/24/01		<p>in for amputation of R front flipper - RAOs show fx mid shaft humerus probe cut with fishing line - work under skin - #3 neck tumor ones - forced intubation - Sevoflurane 5% Desflurane plane #35 MW - HR 12 amputation of R front flipper @ shoulder joint. Skin muscle / tissue @ very CO tissues @ work. Skin sut @ muscle #3 mattress sutures O - very condense on edges - Total time 60 min surgical removal #3 neck tumor CO sutures @ work - Skin suture #5 mattress total time 20 min Anesth: Summary - Surg plane 5% CO - 35 MW gas off 22 MW later - stay on O₂ movement (same) 3 hr 15 MW after on O₂ HR 32 took off O₂ - 3 hr 43 MW after gas off. 1st breath 6 hr 17 MW after off gas pulled tube 6 MW later - gave 250cc warm lact Ringers 1 P ice Dopram given mid recovery 125 mg amoxicillin 1 ml P sent to Rendo 4/25. 75mg amoxicillin 4/27, 4/30, 5/3</p>

Released by
SME/GHB/SKMM/SK
on 5-25-01 at
Ala Moana Beach Park

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 05/24/01

CAPTURE DATE, LOCATION AND METHOD:

04-20-01 ✓	Ala Moana Beach Park, Oahu	Caught by GHB Hand Net
PERSON RECORDING DATA: SME/KE		

TUMOR SCORE <input type="checkbox"/> 0	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> NO	/	RFL
EMACIATION CODE <input type="checkbox"/> 1 ✓		LFL ✓ 413606657E ✓
		LHF ✓ [Barcode]
		RHF ✓ 41357F5244 ✓

STRAIGHT CARAPACE - LENGTH: 58.2 cm WIDTH: 46.0 cm

NOTCH LENGTH: 57.0 cm DB: ∅ L.O. VB: 5 L.O.
57.3

CURVED CARAPACE LENGTH: 62.5 cm WIDTH: 54.5 cm

HEAD WIDTH: 9.4 cm AXIAL: 22.3 cm LATERAL: 21.9 cm

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

TAIL LENGTH: T 12.5 cm C 8.5 cm

RIGHT FRONT FLIPPER WIDTH: 8.6 cm 9.3 cm

PLASTRON LENGTH: 45.5 cm

WEIGHT: 50.3 #

DESCRIPTIVE REMARKS:
32cc LTA given by SKMM

Note: Tumor score reduce to TS 0
5/24/01 due to surgical removal of tumors.
Photos of release w/ Susan Kawai, GHB
SKMM
40ms/Tagging.xls

Date: Fri, 18 May 2001 06:55:48 -1000
From: Shawn Murakawa <Shawn.Murakawa@noaa.gov>
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: [Fwd: Voicemail msg.]

Sorry forgot to copy to you....in case you didn't get all the info.
[Part 2: "Included Message"]

Date: Fri, 18 May 2001 06:34:39 -1000
From: Shawn Murakawa <Shawn.Murakawa@noaa.gov>
To: Shandell Eames <seames@s360.swfc2.nmfs.gov>
Subject: Voicemail msg.

Regina called at 11:27pm last night. She received a call from Marlu (Save the Sea Turtles), 637-2211 at 6:00pm. Marlu received a call from Jeff Lanchette, 637-0197, who was spearfishing with his 2 friends at Waialua Beach Road (at the end of Kahaone Place). She notified GHB of the situation. They found a live turtle entangled in monofilament net. He cut it loose from the net and brought to shore. RHF old injury 1/2 missing and healed. LFF cut through to the bone and neck has a white ring around it indicating entanglement. CCL=43cm, no tumors, no tags, small barnacles present. While enroute to MAC turtle was very active (she put a rag under it to stop movement), but LFF fell off. She saved it and part of the net and brought to MAC.

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/4/01

Release 6 PM
by GHB Kawaiiki beach park
Swam out slow by decision

CAPTURE DATE, LOCATION AND METHOD:

Jeff Lanchette
MARLU elephant 5-17-01
Waiatua B.P.,
Oahu

PERSON RECORDING DATA: SME/KSM

note
SE
KSM
If no
this one
is no date
" "

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

Yes

EMACIATION CODE

1

OLD TAGS:

[Diagonal line through box]

NEW TAGS:

one only
424E474753
[Barcode]

STRAIGHT CARAPACE - LENGTH:

41.4 cm

WIDTH:

33.9 cm

NOTCH LENGTH:

41.1 cm

DB:

0 L.O.

VB:

1 L.O.

CURVED CARAPACE LENGTH:

43.5 cm

WIDTH:

38.0 cm

HEAD WIDTH:

6.7 cm

AXIAL:

14.8 cm

LATERAL:

14.5 cm

PPS: YES OR NO OR NE

N

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

7.0 cm

C

5.0 cm

RIGHT FRONT FLIPPER WIDTH:

7.3 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

33.0 cm

WEIGHT:

15.7 #

DESCRIPTIVE REMARKS:

1.0 cc LIQ

Print pictures of
turtle being released -
by 3 kids at park

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 05/21/01

NECROPSY DATE: / / MTRP STRANDING ID 05-17-01

CONTACT: Jeff Lanchette	DATE: 05-17-01	LOCATION: Waialua B.P., Oahu
PERSON RECORDING DATA: SKB		

DESCRIPTIVE REMARKS: Regina called @ 11:27pm 05-17-01 reporting that Mariko Okiyama received a call from Jeff Lanchette who was spearfishing w/ 2 friends @ Waialua Beach Road. Found live turtle entangled in monofilament net. cut turtle free + brought to shore. LFF cut through to lungs. Taken to MAC.
 Plu by SKB on 5-21-01 by SKB and taken to NMFS-KRF
 - missing portion of RHF - old injury (1/2 missing)
 - old wound from possible line/net around neck
 - mild enac.
 Given 20mg IM Amikacin on 5-24-01 by SNE.

TUMOR SCORE: <input type="checkbox"/>	TAGS: <input type="checkbox"/>	SEX: Male, Female or Undetermined <input type="checkbox"/>
ORAL TMS EXT: YES OR NO <input checked="" type="checkbox"/>		
EMACIATION CODE: <input type="checkbox"/>	DB: <input type="checkbox"/>	VB: <input type="checkbox"/>

STRAIGHT CARAPACE - LENGTH: <input type="checkbox"/>	41.2 cm	WIDTH: <input type="checkbox"/>	33.4 cm
NOTCH LENGTH: <input type="checkbox"/>	41.0 cm	PPS (Y/N): <input type="checkbox"/>	N
CURVED CARAPACE LENGTH: <input type="checkbox"/>	cm	WIDTH: <input type="checkbox"/>	cm
HEAD WIDTH: <input type="checkbox"/>	6.3 cm	AXIAL: <input type="checkbox"/>	cm
TAIL LENGTH: T <input type="checkbox"/>	cm	C <input type="checkbox"/>	cm
RIGHT FRONT FLIPPER WIDTH: <input type="checkbox"/>	6.3 cm	SAMPLES COLLECTED: <input type="checkbox"/>	Bill net saved
PLASTRON LENGTH: <input type="checkbox"/>	32.9 cm		
WEIGHT: <input type="checkbox"/>	15.6 #		

Voicemail msg.

Subject: Voicemail msg.

Date: Fri, 18 May 2001 06:34:39 -1000

From: Shawn Murakawa <Shawn.Murakawa@noaa.gov>

Organization: NOAA

To: Shandell Eames <seames@s360.swfc2.nmfs.gov>

KVI → return to Shawn
05-17-01 KSM
SKB

Regina called at 11:27pm last night. She received a call from Marlu (Save the Sea Turtles), 637-2211 at 6:00pm. Marlu received a call from Jeff Lanchette, 637-0197, who was spearfishing with his 2 friends at Waialua Beach Road (at the end of Kahaone Place). She notified GHB of the situation. They found a live turtle entangled in monofilament net. He cut it loose from the net and brought to shore. RHF old injury 1/2 missing and healed. LFF cut through to the bone and neck has a white ring around it indicating entanglement. CCL=43cm, no tumors, no tags, small barnacles present. While enroute to MAC turtle was very active (she put a rag under it to stop movement), but LFF fell off. She saved it and part of the net and brought to MAC.

LIVE TURTLE EXAMINATION RECORD

Date: 5/18/01
 Turtle ID: WAILUA BEACH PARK (5/17/01) HAWAII
 Comments: 10 cm WOUND - FLIPPER (L)
 cut off 15.6 lbs - no tumors

PHYSICAL EXAM

Head and neck: old made wound from red line

Mouth: normal

Eyes: normal

Front flippers: Left flipper - old line straggle - healing - bone sticking out - flipper came off in cut red - R flipper old wound red line

Shell: normal

Plastron: normal

Rear flippers: missing patch left right rear flippers

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

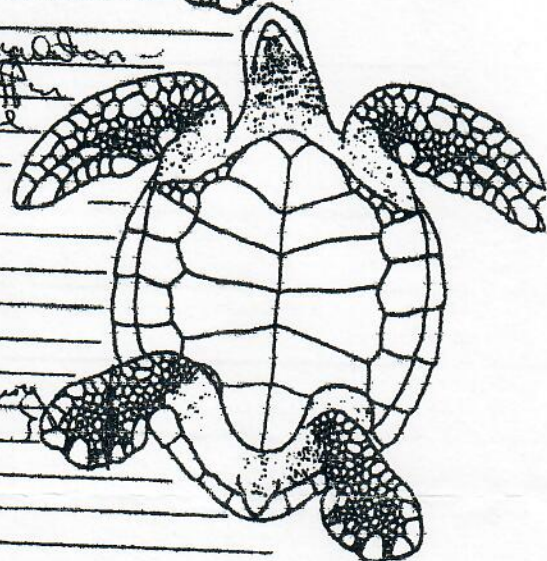
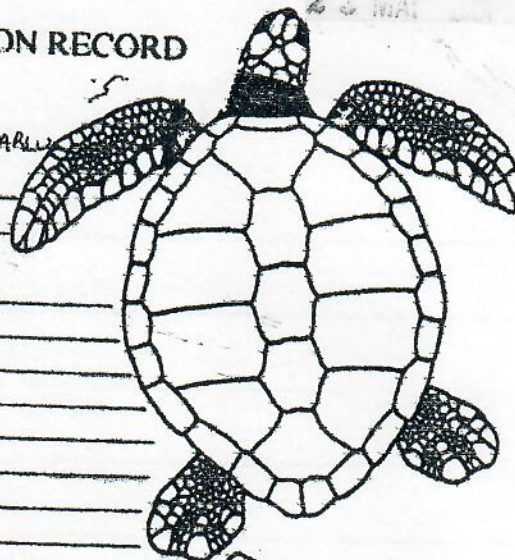
PCV ___ T.P. ___
 CBC ___ Chemistries ___
 Others ___

APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: AMPUTATION OF STUMP - consider release in different area - history of bone enlargement from wounds - 35 mg ARKINOL 101
 Signed: Robert Amos + DMJ

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



MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME WALSA BEACH PARK - MARLO		ADDRESS		TELEPHONE
PATIENT NAME	SPECIES	BREED GREEN TORTUE	SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION SILV NET - 5/17/01	LAB	X-RAY

DATE	TEMP	DESCRIPTION
5/16/01		<p>Amputation of stump where bone (humerus) is exposed (left) partial old line being taken that fractured bone where turtle was caught in a net.</p> <p>forced intubation</p> <p>5-670 sevoflurane -</p> <p>local bupivacaine blocks to supplement anesthesia - approx 6cc -</p> <p>7 min to no visible response</p> <p>start resp.</p> <p>Arrest - off - 37 min from start O₂ only</p> <p>surg - remove part humerus at joint</p> <p>skin - makes over scapula joint #1 very</p> <p>SA suture 11.1 cc</p> <p>skin - makes - long - 11.1 cc</p> <p>surgical time 44 min</p> <p>HR 256 after surgery</p> <p>movement 37 min after on O₂ only</p> <p>skin response 4.3 min after on O₂ only</p> <p>Pulse tube 1 hr 25 min after off sevoflurane</p> <p>give 35 mg amoxicillin IM (1.7 cc)</p> <p>had vaccine over weekend -</p> <p>4 cc (20 mg) amoxicillin 5/21, 5/24 -</p>
5/19/01		<p>Some post op bleeding -</p> <p>200cc Normal - R IP</p> <p>clean wound area</p>

2

Revised 04/04/01

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

SEA TURTLE TAGGING FORM

Released 5-29-01
K-bay Beach Park

DATE FORM FILLED OUT 5/29/01

CAPTURE DATE, LOCATION AND METHOD:

William Lawrence (Save the Sea Turtles)	5-23-01	Hanalei, Oahu
PERSON RECORDING DATA: SME		Stranded live

TUMOR SCORE

3

ORAL TMRS EXT:
YES OR NO

No

EMACIATION CODE

1

OLD TAGS:

NEW TAGS:

RHF	42501B4702
RFL	
LFL	
LHF	424E5F3255

STRAIGHT CARAPACE - LENGTH:

87.9 cm

WIDTH: cm

NOTCH LENGTH:

87.7 cm

DB: 5 L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

cm

WIDTH: cm

HEAD WIDTH:

cm

AXIAL: 30.1 cm

LATERAL: 31.9 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

Blood culture

PLASTRON LENGTH:

cm

by T. Work

WEIGHT:

#

DESCRIPTIVE REMARKS:

(Other measurements & tumor count on old sheet) (5-29-01)

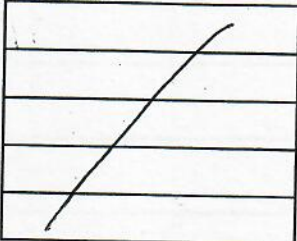
7 central, 6 laterals on right, 5 laterals on left
 "55" New mototool L/R 2nd lateral swam slowly straight
 Released K-bay Beach Park by GHB 11:45 a.m. forms/tagging.xls Out

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 05/24/01

CAPTURE DATE, LOCATION AND METHOD:

WILLIAM LAWRENCE (SAVE THE SEA TURTLES)	05-23-01	HAUULA, DAHU	STRANDED ALIVE
PERSON RECORDING DATA: SKKM			

TUMOR SCORE <input type="text" value="3"/>	OLD TAGS: 	NEW TAGS: <table border="1"> <tr><td>RFL</td></tr> <tr><td>LFL</td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>	RFL	LFL				
RFL								
LFL								
ORAL TMRS EXT: YES OR NO <input type="text" value="NO"/>								
EMACIATION CODE <input type="text" value="1"/>								

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: #

DESCRIPTIVE REMARKS:

plastron looks a little flat

7 centrals, 6 laterals on right, 5 laterals on left
noted "55" 2nd L/R lateral

ID 5-24-01

5 MAY 2001

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE		1			1	#2 covering entire eyeball, no vision
LEFT EYE		1			1	
MOUTH	1	4	1		6	1#1 1#1 L Roof of mouth
NECK						
RFF	1		1		2	
LFF						
RHF						
LHF		1				
CLOACA / TAIL						
SEAMS / SCUTES			1		1	1#3 10x11*6 marginal
INTERNAL						
TOTAL	2	7	3			

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

Yes

OTHER INFORMATION:

5-29-01

87.9 SCL
87.7 notch

TUMOR SCORE:

3

APPROXIMATE TUMOR SIZE CATEGORIES:

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

Revised 04/04/01

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

SEA TURTLE TAGGING FORM

Released 5-29-01
K-bay Beach Park

DATE FORM FILLED OUT 5/29/01

CAPTURE DATE, LOCATION AND METHOD:

William Lawrence (Save the Sea Turtles)	5-23-01	Hauula, Oahu
PERSON RECORDING DATA: SME		Stranded live

TUMOR SCORE

3

ORAL TMRS EXT:

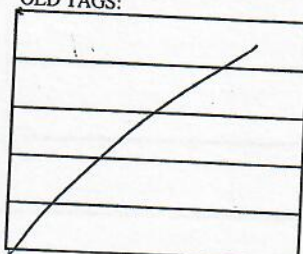
YES OR NO

No

EMACIATION CODE

1

OLD TAGS:



NEW TAGS:

RHF	42501B4702
RFL	
LFL	424E5F3255
LHF	

STRAIGHT CARAPACE - LENGTH:

87.9 cm

WIDTH: cm

NOTCH LENGTH:

87.7 cm

DB: 5 L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

cm

WIDTH: cm

HEAD WIDTH:

cm

AXIAL: 30.1 cm

LATERAL: 31.9 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:

Blood culture

PLASTRON LENGTH:

cm

by T. Work

WEIGHT: #

DESCRIPTIVE REMARKS:

(Other measurements & tumor count on old sheet) (5-24-01)

7 central, 6 laterals on right, 5 laterals on left

"55" New mototool L/R 2nd lateral

Released K-bay Beach Park by GHB 11:45 a.m.

Swam slowly straight

forms/tagging.xls Out

ID 5-24-01

MAY 2001

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE		1			1	#2 covering entire eyeball, no vision
LEFT EYE		1			1	
MOUTH	1	4	1		6	#1 L ROOF OF MOUTH
NECK						
RFF	1		1		2	
LFF						
RHF						
LHF		1				
CLOACA / TAIL						
SEAMS / SCUTES			1		1	#3 10x11#6 marginal
INTERNAL						
TOTAL	2	7	3			

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO

~~YES~~

OTHER INFORMATION:

5-24-01

87.9 SCL
87.7 notch

TUMOR SCORE:

3

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 05/24/01

CAPTURE DATE, LOCATION AND METHOD:

WILLIAM LAWRENCE (SAVE THE SEA TURTLES)	05-23-01	HAUULA, OAHU	STRANDED ALIVE
PERSON RECORDING DATA: SKKM			

TUMOR SCORE

3

ORAL TMRS EXT:

YES OR NO

NO

EMACIATION CODE

1

OLD TAGS:

NEW TAGS:

RFL	
LFL	

STRAIGHT CARAPACE - LENGTH:

87.7 cm

WIDTH: cm

NOTCH LENGTH:

87.3 cm

DB: 6 L.O.

VB: 8 L.O.

CURVED CARAPACE LENGTH:

94.0 cm

WIDTH: 84.0 cm

HEAD WIDTH:

11.0 cm

AXIAL: 9 cm

LATERAL: cm

PPS: YES OR NO OR NE

yes

SEX: Male, Female or Undetermined

F

TAIL LENGTH: T

22.0 cm

C 14.0 cm

RIGHT FRONT FLIPPER WIDTH:

12.7 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

68.8 cm

Blood culture

WEIGHT: #

—

by T. Work

DESCRIPTIVE REMARKS:

plastron looks a little flat

7 centrals, 6 laterals on right, 5 laterals on left
noted "55" 2nd L/R lateral

25 MAY 2001

SEA TURTLE NECROPSY / TUMOR FORM

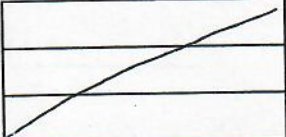
DATE FORM FILLED OUT 05/23/01

NECROPSY DATE: / / MTRP STRANDING ID. 05-23-01

*G. H. B. look @
Old calendar*

CONTACT: <i>William Lawrence (save the sea turtles)</i>	DATE: 05-23-01	LOCATION: Hauula, Oahu
PERSON RECORDING DATA: <i>SKB</i>		

DESCRIPTIVE REMARKS:
*Found alive beached in front of contact's residence with tumors all over. One medium-sized tumor covering R. eye (no vision).
 plu by SKB and taken to MAC.
 plu by SKA/SKMM/ and GHB on 5-24-01 and taken to NMFS-KRF.
 - brown algae on carapace
 - 1#3 (possible #4) located on left marginalis near post central*

TUMOR SCORE: TAGS: 

ORAL TMRS EXT. YES OR NO: NO

EMACIATION CODE:

SEX: Male, Female or Undetermined: M F U

DB: VB:

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

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: cm

WEIGHT: #

SAMPLES COLLECTED:

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

MTRP USE ONLY:
TOPS: <u>MAY 2001</u>
LOGBOOK: <u>MAY 2001</u>

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: 05-23-01/7:02a

Name: William Lawrence (Save the Sea Turtles)

Phone: 237-7055

Full mailing address: (optional - to send sea turtle literature)

53-157 Kam Hwy
Hauula 96717

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

Location

Map 46E1

Where is this turtle located? Found alive beached in front of contact's residence in Hauula

How close is it to the nearest vehicle access way? (Pass crouching lion, then when you see Ahi's Restaurant it's right across the street. Tan, brown & story)

Turtle

Is the turtle alive or dead?

A

D

Uncertain

About how large (shell length) is the turtle? 2-3 ft

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

"Best guess" of the weight of the turtle? 00lbs.

(or circle one above)

What is the condition of the turtle? Tumors all over, medium sized over R. eye (no vision) lethargic

Are there any obvious signs as to the cause of death or injury? Yes

Any evidence of law enforcement violation?

If yes, please briefly describe: Tumors

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: SKM

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 - 323-3141; or Waimea - 887-6196
Molokai: 567-6618
Lanai: 565-7916
Kauai: 274-3521
Maui: 984-8110

Puddy SKB & taken to MAC

[29 MAY 2001]

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 05/25/01

CAPTURE DATE, LOCATION AND METHOD:

KRF As part of cryosurgery and bait study
by Brillian Mouth Seal Tanks

PERSON RECORDING DATA: Kh, SKUM

1-#/LJH TUMOR SCORE

1-#/RJH [1]

ORAL TMRS EXT:
YES OR NO

[Y]

EMACIATION CODE

[0]

OLD TAGS:

RHF A24FDA5470 ✓
LHF A24E682401 ✓

NEW TAGS:

RFL _____
LFL _____

STRAIGHT CARAPACE - LENGTH: [45.8] cm

WIDTH: [37.8] cm

NOTCH LENGTH: [45.8] cm

DB: [0] L.O.

VB: [0] L.O.

CURVED CARAPACE LENGTH: [49.5] cm

WIDTH: [44.5] cm

HEAD WIDTH: [7.1] cm

AXIAL: [17.1] cm

LATERAL: [16.0] cm

PPS: YES OR NO OR NE [N]

SEX: Male, Female or Undetermined [-]

TAIL LENGTH: T [8.0] cm

C [5.0] cm

RIGHT FRONT FLIPPER WIDTH: [7.1] cm

PLASTRON LENGTH: [31.1] cm

WEIGHT: [26.2] #

DESCRIPTIVE REMARKS: Lost 2 #s since 3/20/01

RHF bone exposed
Cryosurgery areas of JH & RHF
"01" still visible on 2nd R. lateral, white paint
Turtle returned to KRF TO TANK

SAMPLES COLLECTED:

Turtle washed clean and
examined by GB
IN AZ. noted healing scab
placed of cryosurgery, including
RHF (1-#s gone) RHF #1, 3 & 6
part of Remyr exposed, and #2s LJH & RJH
(Plastron looks a little Redwood
FIAT. #1's

Date: Mon, 28 May 2001 16:07:24 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
Cc: Shandell Eames <seames@honlab.nmfs.hawaii.edu>
Subject: Turtle ID 4-29-01 (mototool "01" on carapace (last two numbers of the left hind flipper PIT tag). (fwd)

Shawn, for TDPS- SCL 45.9cm, SCW 37.9cm. Gentian violet applied to healing areas where tumors had been located. Print photos taken at time of release. Please fill out a data form for me, then make me copies of all documentation for this turtle 73% reduction for my rehab release book. Mahalo! Geo.

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

Date: Mon, 28 May 2001 16:03:13 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Bob Morris <gturtle@aloha.net>
Subject: Turtle ID 4-29-01 (mototool "01" on carapace (last two numbers of the left hind flipper PIT tag).

5/28/01 Monday

Bob, I took my son on crutches today and picked up the turtle and drove it to Kawainui, Kailua. Released it at 3pm same place we caught it. Took off like a rocket ship! Took additional photos of where the tumors came off from cryo. Just got back home.

[20 MAY]
Date: Sat, 26 May 2001 11:49:25 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Shandell Eames <seames@honlab.nmfs.hawaii.edu>,
Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
Subject: Turtle Mototool "01" PIT tag 424E682401, MTRP ID3-19-01 (fwd)

FYI. Shawn please print and attach this message to the record we filled out Friday for this turtle for your files. Mahalo.

----- Forwarded message -----
Date: Sat, 26 May 2001 11:44:25 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Yonat Swimmer <yonat.swimmer@noaa.gov>
Subject: Turtle Mototool "01" PIT tag 424E682401, MTRP ID3-19-01

05-25-01

Yonat-The turtle was cleaned up and thoroughly examined by me after taken from your tank and transferred back to us yesterday p.m. Blood was drawn also and taken to our vet clinic Dr. Morris. PCV and TP seem marginal but ok I believe. Turtle lost 2 lbs since arrival in March. Tumors that I cryofroze had sloughed off nicely and were healing well. I've put the turtle in our Tank B isolation captive-care at KRF so I can better ascertain food intake and behavior. I'll personally look at it each day over the long weekend. Overall, I judged the turtle to be active and in good body condition.

I'm concerned that no captive-care records were supplied to us, such as daily feeding log etc. At the start of this collaborative relationship last year I emphasized the requirement of a daily captive care log. I know you indicated one is being kept, but that the info is co-mingled with the bait study. I wasn't previously aware of this. This isn't acceptable, if it can't be made available. You need to immediately please start maintaining a log separate and complete for Captive Care only. Individual for each turtle you've been loaned. You must do that so as to not jeopardize the integrity of this agreement/arrangement, and the acceptable standard of Animal Care, both of UH, and of what I professionally judge as being needed. Mahalo, George

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 05/28/01

CAPTURE DATE, LOCATION AND METHOD:

KRF Released PERSON RECORDING DATA:	Brill / Swimmer cryosurgery / bait study Kawaiinui canal, Kapa'ula Bay, Oahu 05-28-01
-------------------------------------------	---------------------------------------------------------------------------------------------

TUMOR SCORE

1

ORAL TMRS EXT:
YES OR NO

Y

EMACIATION CODE

0

OLD TAGS:

RHF 424 F0A5470
LHF 424 E082401

NEW TAGS:

RFL
LFL

STRAIGHT CARAPACE - LENGTH:

45.9 cm

WIDTH:

37.9 cm

NOTCH LENGTH:

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

WIDTH:

HEAD WIDTH:

AXIAL:

LATERAL:

PPS: YES OR NO OR NE

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

C

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

PLASTRON LENGTH:

WEIGHT:

DESCRIPTIVE REMARKS:

Girth plu turtle @ NMFS-KRF and released turtle @ Kawaiinui canal
 Gentian violet applied to healing areas where tumors had been located.
 Print photos taken @ time of release.
 Swam off very quickly

"01" Kawainui Release
5-28-01

NOTE: TURTLE NOT SEEN BY DR. MOHAI

Table 1.--Mean, standard deviation, and range of straight carapace length, weight, and plasma biochemistry values for clinically healthy green turtles (*Chelonia mydas*), Hawaiian Islands, 1991-95

Variable	Kaneohe Bay, Oahu			RESEARCH TURTLE 424 E-68 2401
	n = 53			
	Mean	±SD*	Range	
Straight Carapace Length	45.3	4.8	37.4-55.2	37.4/61
Weight	14.1	4.7	7.7-25.4	
Protein (g dl)	4.2	0.6	2.9-5.6	3.6
Albumin (g dl)	1.7	0.4	0.6-2.2	1.0
Globulin (g dl)	2.7	0.5	1.8-4.0	2.6
Albumin/Globulin ratio	0.6	0.2	0.2-1.2	.4
Total Bilirubin (mg dl)	0.2	0.1	0.0-0.4	
Direct Bilirubin (mg dl)	0.05	0.1	0.0-0.5	
Indirect Bilirubin (mg dl)	0.2	0.1	0.0-0.4	
ALAT* (U l)	3.9	7.0	0.0-50.0	2
ASAT (U l)	158.4	41.5	1.0-270	164
Alkaline Phosphatase (U l)	33.5	12.2	12-62	69
GGT* (U l)	2.7	1.5	0.0-5.0	
L.DH* (U l)	203.8	180.4	55-1286	142
Urea Nitrogen (BUN) (mg dl)	5.2	14.1	0.0-64.0	6
Creatinine (mg dl)	0.2	0.1	0.1-0.5	.3
BUN/Creatinine Ratio	35.8	70.7	0.0-320.0	
Uric Acid (mg dl)	1.3	0.8	0.0-4.5	1.4
Calcium (mg dl)	9.1	1.7	1.1-12.1	8.6
Phosphorus (mg dl)	8.2	1.3	5.9-11.8	5.1
Cholesterol (mg dl)	140.0	43.0	32-280	132
Triglycerides (mg dl)	124.2	68.7	28-331	
Glucose (mg dl)	114.7	35.0	64-234	
Iron (mcg dl)	46.3	64.8	9-321	
Sodium (meq l)	158.0	4.0	146-170	158
Potassium (meq l)	5.2	0.9	3.9-8.6	5.2
Chloride (meq l)	115.2	5.7	103-130	

*Standard Deviation
*Alanine Amino Transferase
*Aspartate Amino Transferase
*Gamma Glutamyl Transpeptidase
*Lactic Dehydrogenase

CPK
WBC
PCV

905
5,900
22

MAKAI ANIMAL HOSPITAL
420 ULUNIU ST.
KAILUA, HI 96734

IDEXX VETERINARY SERVICES
West Region 800-444-4210
Oregon/Washington 800-290-4210
East/Central/Colorado 888-433-9987

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS.424E682401

REQ #: 1904863 LAB #: 15868489
AGE: SEX: COLLECTED: 03/29/2001
SPECIES: REPTILE RECEIVED: 03/30/2001 07:11
BREED: GREEN SEA TURL REPORTED: 03/30/2001 09:01

DOCTOR: MORRIS R

TEST PROCEDURES:
REPTILIAN PROFILE #1
REPTILIAN PANEL #1

TEST PROCEDURES	RESULTS	REFERENCE RANGE	UNITS
* ALK. PHOSPHATASE	69		IU/L
* ALT (SGPT)	2		IU/L
* AST (SGOT)	164		IU/L
* CK	905		IU/L
* LDH	144		IU/L
* ALBUMIN	1.0		g/dL
* TOTAL PROTEIN	3.6		g/dL
* GLOBULIN	2.6		g/dL
* BUN	6		mg/dL
* CREATININE	0.3		mg/dL
* CHOLESTEROL	132		mg/dL
* GLUCOSE	94		mg/dL
* CALCIUM	8.8		mg/dL
* PHOSPHORUS	5.1		mg/dL
* POTASSIUM	5.2		mEq/L
* SODIUM	158		mEq/L
* A/C RATIO	0.4		
* URIC ACID	1.4		mg/dL

AVIAN/EXOTIC CBC AND PLASMA PROTEIN

WBC COUNT	5.9	THOUS.
HCT	22.0	%
HETEROPHILS	21	%
NEUTROPHIL SEG	5	%
LYMPHOCYTES	72	%
EOSINOPHIL	1	%
BASOPHIL	1	%
ABSOLUTE HETEROPHIL	1239	MM3
ABSOLUTE NEUTROPHIL SEG	295	/uL
ABSOLUTE LYMPHOCYTE	4248	/uL
ABSOLUTE EOSINOPHIL	59	/uL
ABSOLUTE BASOPHIL	59	/uL
THROMBOCYTES	ADEQUATE	

BLOOD PARASITES
NO PARASITES SEEN

REMARKS
NMFS.424E682401

REPORT CONTINUED ON NEXT FORM

May-29-01 02:32P

P.04

CONTINUED REPORT

MAKAI ANIMAL HOSPITAL
420 ULUNIU ST.
KAILUA, HI 96734

IDEXX VETERINARY SERVICES
West Region 800-444-4210
Oregon/Washington 800-290-4210
East/Central/Colorado 888-433-9987

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS.424E682401

REQ #: 1904863
AGE: SEX:
SPECIES: REPTILE
BREED: GREEN SEA TURTLE

LAB #: 15868489
COLLECTED: 03/29/2001
RECEIVED: 03/30/2001 07:11
REPORTED: 03/30/2001 09:01

DOCTOR: MORRIS R
TEST PROCEDURES

RESULTS

REFERENCE RANGE UNITS

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

NMFS.424E682401

*** FINAL REPORT ***

BATCH #: 004

MOTO

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME NAT. MARINE FISH		ADDRESS		TELEPHONE	
PATIENT NAME 2-B	SPECIES GREEN	BREED TURTLE	SEX	COLOR AND MARKINGS	
ALTERED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	BIRTHDATE	SPECIAL INFORMATION RESEARCH TURTLE	LAB	X-RAY	

DATE	TEMP	DESCRIPTION
6/18/01		<p>Checked research turtle for release numerous tumors - see CB report L eye # 2 lat R eye # 1 med # 1 lat R rear flip # 2 R front # 2 Body condition good - CBC + Chem Turtle is vigorous - would walk conditions ok - released 6/18</p>

Bill KRF

(B)

Table 1 -- Mean, standard deviation, and range of straight carapace length, weight, and plasma biochemistry values for clinically healthy green turtles (*Chelonia mydas*), Hawaiian Islands, 1991-95.

Variable	Kaneohe Bay, Oahu			KANEOWE BAY - RESEARCH		
	n = 53			2-B		
	Mean	±SD*	Range	10/5/00	3/15/01	6/14/01
Straight Carapace Length	45.3	4.8	37.4-55.2			
Weight	14.1	4.7	7.7-25.4			
Protein (g dl)	4.2	0.6	2.9-5.6	4.9	6.5	6.7
Albumin (g dl)	1.7	0.4	0.6-2.2	1.5	2.1	2.0
Globulin (g dl)	2.7	0.5	1.8-4.0	3.4	4.4	4.7
Albumin:Globulin ratio	0.6	0.2	0.2-1.2	0.4		0.4
Total Bilirubin (mg dl)	0.2	0.1	0.0-0.4			
Direct Bilirubin (mg dl)	0.05	0.1	0.0-0.5			
Indirect Bilirubin (mg dl)	0.2	0.1	0.0-0.4	0.0		
ALAT* (U l)	3.9	7.0	0.0-50.0	3.0	10	9
ASAT* (U l)	158.4	41.5	1.0-270	118	212	226
Alkaline Phosphatase (U l)	33.5	12.2	12-62	38	93 ↑	97 ↑
GGT* (U l)	2.7	1.5	0.0-5.0			
LDH* (U l)	203.8	180.4	55-1286	296	292	119
Urea Nitrogen (BUN) (mg dl)	5.2	14.1	0.0-64.0	5	11.7 ↑	9.1
Creatinine (mg dl)	0.2	0.1	0.1-0.5	3	0.5	0.4
BUN:Creatinine Ratio	25.8	70.7	0.0-320.0			
Uric Acid (mg dl)	1.3	0.8	0.0-4.5	1.0	2.9	0.8
Calcium (mg dl)	9.1	1.7	1.1-12.1	9.7	6.3	7.1
Phosphorus (mg dl)	8.2	1.3	5.9-11.8	4.8	9.5	9.1
Cholesterol (mg dl)	140.0	43.0	32-280	122	178	108
Triglycerides (mg dl)	124.2	68.7	28-331			
Glucose (mg dl)	114.7	35.0	64-234	117	88	140
Iron (mcg dl)	46.3	64.8	9-321			
Sodium (meq l)	158.0	4.0	146-170	153	161	168
Potassium (meq l)	5.2	0.9	3.9-8.6	3.9	4.8	4.9
Chloride (meq l)	115.2	5.7	103-130			
*Standard Deviation				5136	8665	1280
*Alanine Amino Transferase						
*Aspartate Amino Transferase				16.5	12.0	8.1
*Gamma Glutamyl Transpeptidase						
*Lactic Dehydrogenase						

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME NMFS		ADDRESS			TELEPHONE	
PATIENT NAME #9		SPECIES GREEN	BREED TURTLE		SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION KAWAII			LAB	X-RAY
DATE	TEMP	DESCRIPTION				
6/15/01		Turtle used for research - now ready for release Left eye tumor #1 & #2 - limited vision R. flipper ventral base - tumor frozen by C.A. Melton mouth clean good body condition - see tumor report C.B. PCV 30 TP 4.2 Released 6/15/01				

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME NMFS		ADDRESS			TELEPHONE	
PATIENT NAME 34-A		SPECIES GREEN	BREED TURTLE		SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION KANEHOE BAY			LAB	X-RAY
DATE	TEMP	DESCRIPTION				
6/18/01		turtle used for research - now ready for release - R. flipper #3 & #2 tumor L. eye #1 medial cornea R. eye possible tumor #1 R hind flipper see tumor report C.B. - body condition good PCV 30 TP 5.0 Released 6/18/01				

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME JAI MAR FISH		ADDRESS		TELEPHONE
PATIENT NAME 5A-	SPECIES CREEK	BREED TURTLE	SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION RESEARCH TURTLE	LAB	X-RAY

DATE	TEMP	DESCRIPTION
6/18/01		Turtle held for research now to be released
		Right large bloody tumor non-visual
		R. low lying tumor
		multiple other tumors see GB report
		body condition good -
		CBC / chem -
		PCV good -
		eye tumor - needs enucleation
		Decided to release because of numerous
		other tumors -
		Released 6/18/01

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Table 1 --Mean, standard deviation, and range of straight carapace length, weight, and plasma biochemistry values for clinically healthy green turtles (*Chelonia mydas*), Hawaiian Islands, 1991-95

Variable	Kaneohe Bay, Oahu			RESEARCH TURTLES		
	n = 53			5A KOWALO		
	Mean	±SD*	Range	10/5/00	3/15/01	6/18/01
Straight Carapace Length	45.3	4.8	37.4-55.2			65.0
Weight	14.1	4.7	7.7-25.4			
Protein (g dl)	4.2	0.6	2.9-5.6	3.7	4.7	5.0
Albumin (g dl)	1.7	0.4	0.6-2.2	1.3	1.5	1.5
Globulin (g dl)	2.7	0.5	1.8-4.0	2.4	3.2	3.5
Albumin/Globulin ratio	0.6	0.2	0.2-1.2	0.5	0.5	0.4
Total Bilirubin (mg dl)	0.2	0.1	0.0-0.4			
Direct Bilirubin (mg dl)	0.05	0.1	0.0-0.5			
Indirect Bilirubin (mg dl)	0.2	0.1	0.0-0.4			
ALAT* (U l)	3.9	7.0	0.0-50.0	5.0	6	4
ASAT* (U l)	158.4	41.5	1.0-270	139	127	134
Alkaline Phosphatase (U l)	33.5	12.2	12-62	29	52	43
GGT* (U l)	2.7	1.5	0.0-5.0			
LDH† (U l)	203.8	180.4	55-1286	557	143	189
Urea Nitrogen (BUN) (mg dl)	5.2	14.1	0.0-64.0	4	64	32
Creatinine (mg dl)	0.2	0.1	0.1-0.5	.3	.3	.3
BUN/Creatinine Ratio	25.8	70.7	0.0-320.0			
Uric Acid (mg dl)	1.3	0.8	0.0-4.5	.8	.5	.7
Calcium (mg dl)	9.1	1.7	1.1-12.1	8.5	6.1	7.5
Phosphorus (mg dl)	8.2	1.3	5.9-11.8	4.3	7.9	9.4
Cholesterol (mg dl)	140.0	43.0	32-280	162	239	283
Triglycerides (mg dl)	124.2	68.7	28-331	149	128	
Glucose (mg dl)	114.7	35.0	64-234	144	128	142
Iron (mcg dl)	46.3	64.8	9-321			
Sodium (meq/l)	158.0	4.0	146-170	165	154	166
Potassium (meq/l)	5.2	0.9	3.9-8.6	4.8	4.1	4.9
Chloride (meq/l)	115.2	5.7	103-130			
*Standard Deviation				19.162	52.0	45.3
*Alanine Amino Transferase				14.56	10.3	7.5
*Aspartate Amino Transferase				27	27	29
*Gamma Glutamyl Transpeptidase						
*Lactic Dehydrogenase						

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420 ULUNIU ST.
KAILUA, HI 96734

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

1-808-262-9621 ACCOUNT #: 1303

PATIENT: NMFS,5A

REQ #: 3185765
AGE: SEX:
SPECIES: REPTILE
BREED: GREEN SEA TURL

LAB #: 16426409
COLLECTED: 06/18/2001
RECEIVED: 06/19/2001 07:38
REPORTED: 06/20/2001 06:53

DOCTOR: MORRIS

TEST PROCEDURES

REPTILIAN PROFILE #1

REPTILIAN PANEL #1

	RESULTS	REFERENCE RANGE	UNITS
* ALK. PHOSPHATASE	43		IU/L
* ALT (SGPT)	4		IU/L
* AST (SGOT)	134		IU/L
* CK	853		IU/L
* LDH	189		IU/L
* ALBUMIN	1.5		g/dL
* TOTAL PROTEIN	5.0		g/dL
* GLOBULIN	3.5		g/dL
* BUN	32		mg/dL
* CREATININE	0.3		mg/dL
* CHOLESTEROL	283		mg/dL
* GLUCOSE	142		mg/dL
* CALCIUM	7.5		mg/dL
* PHOSPHORUS	9.4		mg/dL
* POTASSIUM	4.9		mEq/L
* SODIUM	166		mEq/L
* A/G RATIO	0.4		
* URIC ACID	0.7		mg/dL

AVIAN/EXOTIC CBC AND PLASMA PROTEIN

WBC COUNT	7.5	THOUS.
HCT	39.0	%
HETEROPHILS	53	%
NEUTROPHIL SEG	5	%
LYMPHOCYTES	41	%
EOSINOPHIL	1	%
ABSOLUTE HETEROPHIL	3975	MM3
ABSOLUTE NEUTROPHIL SEG	375	/uL
ABSOLUTE LYMPHOCYTE	3075	/uL
ABSOLUTE EOSINOPHIL	75	/uL
THROMBOCYTES	ADEQUATE	

BLOOD PARASITES

NO PARASITES SEEN

REMARKS

CELLS DO NOT APPEAR TOXIC OR REACTIVE
RBC MORPHOLOGY APPEARS NORMAL.

NMFS,5A

REPORT CONTINUED ON NEXT FORM

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME NMFS		ADDRESS			TELEPHONE	
PATIENT NAME #9		SPECIES GREEN	BREED TURTLE		SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION KAWAINUI			LAB	X-RAY
DATE	TEMP	DESCRIPTION				
6/13/01		Turtle used for research - now ready for release left eye tumor # 1 + # 2 - limited vision R. flipper webbed base - tumor frozen by C.B. - necrotic mouth clean good body condition - see tumor report C.B. PCV 30 TP 4.2 Released 6/15/01				

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME NMFS		ADDRESS			TELEPHONE	
PATIENT NAME 34-A		SPECIES GREEN	BREED TURTLE		SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION KANEHOE BAY			LAB	X-RAY
DATE	TEMP	DESCRIPTION				
6/18/01		turtle used for research - now ready for release - R. flipper # 3 + # 2 tumor L. eye # 1 medial cornea R. eye possible tumor # 1 R hind flipper see tumor report C.B. - body condition good PCV 30 TP 5.0 Released 6/18/01				

SEA TURTLE TAGGING FORM

Released
Kulikov B.P.

DATE FORM FILLED OUT **7.9.01**

CAPTURE DATE, LOCATION AND METHOD:

ID 6-30-01 **KAWA (KAW-By Island) 7-9-01**

PERSON RECORDING DATA:

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

*See change on other sheet → 0
This turtle has no emaciation*

OLD TAGS:

[Empty box for old tags]

NEW TAGS:

LHF
4136422344
RHF
4135102604

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

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

over

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:

2nd lateral vt "KW" 2cm high (lettering)
 1st lateral lft "KW" } modified
 Released: 11:45 AM Kulich, B.P. Turtle swam slowly around channel.
 2 photos D+V of shark bite
 2 photos of releasers (Christine Ogura and Kristin)

TUMOR SCORE:

Date: Sun, 1 Jul 2001 09:21:12 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Shandell Eames <seames@honlab.nmfs.hawaii.edu>,
Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
Cc: Robert Morris <morrisr005@hawaii.rr.com>
Subject: Re: We Have A Turtle to Ship (fwd)

***Note this turtle was found lethargic on shore at KAWA, Kau District of the Big Island. By volunteers of the NPS hawksbill project.

On Sun, 1 Jul 2001, George H. Balazs wrote:

>
> ----- Forwarded message -----
> Date: Sat, 30 Jun 2001 22:35:53 -1000 (HST)
> From: canale@hawaii.edu
> To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
> Cc: Rod Floro <rodfloro@yahoo.com>, John Coney <jconey@hawaii.edu>,
> jley@hawaii.edu
> Subject: We Have A Turtle to Ship
>
> Hi George,
>
> I'm sending this email in hope that you are an insomniac and a work-aholic.
>
> We have a small (two-person to carry) green sea turtle with abrasions on the left side of its carapace. The abrasions look like they could have been caused by a shark about a week or so ago. Some parts are healing while other sections are somewhat raw. There is no external damage to its plastron. In general she is lethargic. She was found this afternoon by the hawksbill volunteers. I've tried the cell phone numbers however I receive the recording that the phones are out of the calling area. I've also called the afterhours number on Turtle Lab's outgoing message & asked them to please, if they have an opportunity, to relay our to you our turtle situation. I also paged 808-288-5685 a few minutes ago, however I am under the impression that this pager is being carried by a fellow student.
>
> Rod and I would like to ship the turtle to you on Sunday, June 31, in the morning. Feel free to page me at 808-327-7780 or call me at home at 808-968-6984.
>
> Thanks,
>
> Lisa
>

Date: Sun, 1 Jul 2001 14:31:39 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
Subject: further to my voice mail to you re

turtle from Kawa, Kau of Big Island- total wt of carrier and turtle is 149lb. But have them weigh again at Dr. Morris before going to KRF. Mahalo, Geo.

LIVE TURTLE EXAMINATION RECORD

Date: 7/1/01
 Turtle ID: HAWAII
 Comments: Shipped over - both large
crossed

PHYSICAL EXAM

Head and neck: normal

Mouth: normal

Eyes: normal

Front flippers: normal

Shell: Damage to shell left side
and did not enter body cavity - shell

Plastron: some damage left side - dark
side - did not enter body cavity

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

PCV 29 TP. 4.2

CBC Chemistries

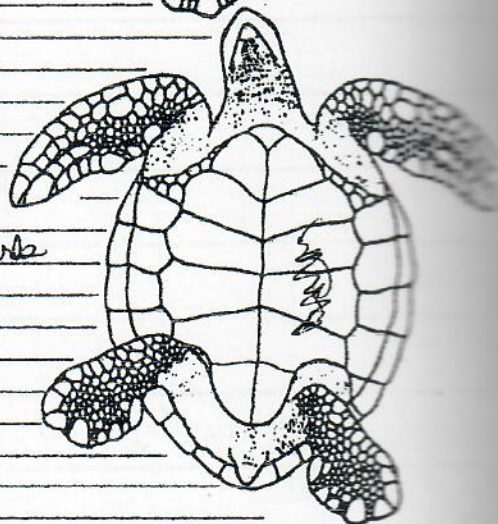
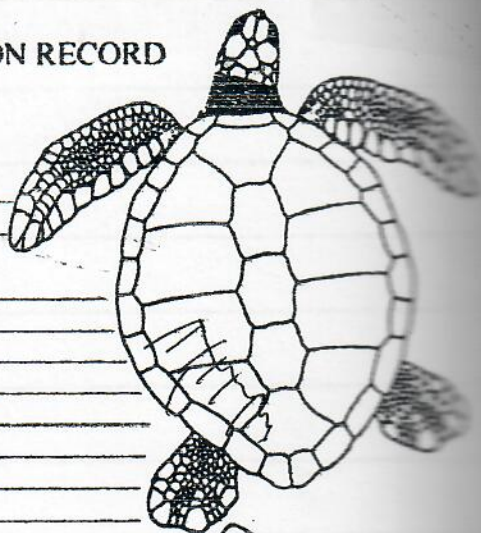
Others X-rays (2)

APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: evaluate in water wait for
blood work hold at Kewalo - X-Ray - breast
area of less density (benign? or malignant?)
 Signed: Robert A. Murray, DVM

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



Date: Sun, 1 Jul 2001 09:15:46 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Shandell Eames <seames@honlab.nmfs.hawaii.edu>,
Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
Subject: Re: Aircargo Info on Turtle (fwd)

in the other message i sent you note please Lisa's home phone, please
add to contact list we have internally.

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

Date: Sun, 1 Jul 2001 09:14:18 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: canale@hawaii.edu
Cc: Leon Hallacher <leonh@hawaii.edu>, Anne Ghiulamila <wahinepua@cs.com>,
Rod Floro <rodfloro@yahoo.com>, John Coney <jconey@hawaii.edu>,
jley@hawaii.edu
Subject: Re: Aircargo Info on Turtle

All's well, 915am here I just called Aloha Cargo and they are expecting
the turtle to be available (off loaded) by about 1030am this morning
Sunday. I'm glad I'm here and available to handle it all, and I'm even
More Glad that you and Rod were at the other end to do all that's
needed. None of these cases of living turtles are ever easy, that's for
sure! The turtle will be taken to our vet, Dr. Bob Morris, he'll come in
special to his clinic to evaluate.

Thank you again for your fine and efficient and friendly work. I'll be
getting back to you later with the outcome. Aloha, George

On Sun, 1 Jul 2001 canale@hawaii.edu wrote:

> Hi George,
>
> Aloha AirCargo will try to put her on the 9am passenger flight to arrive
Honolulu at 9:42am. The airbill number 70462755. Weight w/carrier is
> 149 pounds. Cost \$83.91. If she doesn't make the flight the aircargo people
will page me at 808-327-7780.
>
> While Rod was cleaning the liquid she made a vomit sound and two-tablespoons
of maroon-colored pungent liquid appeared which was also cleaned up.
>
> Thanks,
>
> Lisa
>
> PS for Leon & Anne we will email you the first message soon.
>

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 07.02.01

NECROPSY DATE: / / MTRP STRANDING ID 06-30-01

CONTACT: <u>Maui Hilo</u> <u>MOP</u>	DATE: <u>06-30-01</u>	LOCATION: <u>Kaun (Kau), Big Island</u>
PERSON RECORDING DATA: <u>WJH SUB</u>		

DESCRIPTIVE REMARKS:
 left 2, 3 & 4 lateral + marginal scutes; rt. marginal scutes
 chipped away + 4th scute is cut into turtle (not only shell)
 = open wound = Possible shark bite (approx 3cm) in diam.
 - black sand in cracks
~~- mild emaciation~~
 - old multiple lacerations under left + right
 flippers + neck

TUMOR SCORE: <input type="checkbox"/>	TAGS:	SEX: Male, Female or Undetermined <input type="checkbox"/>
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>		DB: <input type="checkbox"/>
EMACIATION CODE: <input checked="" type="checkbox"/> 0		VB: <input type="checkbox"/>
STRAIGHT CARAPACE - LENGTH: <input type="text" value="67.4"/> cm		WIDTH: <input type="text" value="52"/> cm
NOTCH LENGTH: <input type="text" value="no notch"/> cm <input type="text" value="67.4"/>		PPS (Y/N): <input type="text" value="yes"/>
CURVED CARAPACE LENGTH: <input type="text" value="73.5"/> cm		WIDTH: <input type="text" value="69"/> cm
HEAD WIDTH: <input type="text" value="9.9"/> cm	AXIAL: <input type="text" value="28.3"/> cm	LATERAL: <input type="text" value="28.1"/> cm
TAIL LENGTH: T <input type="text" value="15.5"/> cm	C <input type="text" value="11.0"/> cm	
RIGHT FRONT FLIPPER WIDTH: <input type="text" value="11.2"/> cm	SAMPLES COLLECTED:	
PLASTRON LENGTH: <input type="text" value="56.0"/> cm	<input type="text"/>	
WEIGHT: <input type="text" value="105."/> #	<input type="text"/>	

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/12/01

CAPTURE DATE, LOCATION AND METHOD:

DB-09-01 Alligator Rock (Haleiwa), Oahu KRF Captive

PERSON RECORDING DATA: SKRM

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

Released at Haleiwa Beach Park
Five - 12 Noon Sunday 2/9/01
Ken Nichols (N. Shore Dive) with Oliphant
JUNOLPHANT etc.

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

/
/
/
/

NEW TAGS:

LHF 424F36004D

KRF 423E0A0F4E

STRAIGHT CARAPACE - LENGTH:

43.3 cm

WIDTH: 34.5 cm

NOTCH LENGTH:

43.2 cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

47.0 cm

WIDTH: 41.0 cm

HEAD WIDTH:

7.2 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:

— #

DESCRIPTIVE REMARKS:

no dash
KRF amputated on 8-9-01
Mototool "809" on 2nd R/L laterals, white paint
Gentian violet on healing stump

MT = 89

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 09-07-01 by CM. Blood taken by Dr. mom's
 Transferred to NMFS-KRF.
 Given 0.5cc IM Amikacin on 9/10, 9/13, 9/16, 9/19
 Taken to MAC on 09-21 then transferred to NMFS-KRF
 Taken to MAC on 10-04 then transferred to NMFS-KRF

TUMOR SCORE:

APPROXIMATE TUMOR SIZE CATEGORIES:

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

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 08/10/01

NECROPSY DATE: / /

MTRP STRANDING ID 08-09-01

CONTACT: KEN NICHOLS (N. STORE DIVE HQ)	DATE: 08-09-01	LOCATION: ALLIGATOR ROCK, OAHU
PERSON RECORDING DATA: SKB/SKRM		

DESCRIPTIVE REMARKS:

Found alive swimming ~20' offshore at Alligator Rock. Retrieved by contact and taken to shore. RFF entangled with fishing line (RFF ready to fall off). Taken to contact's dive shop. Plu by KUH and taken to Makai Animal Clinic. RFF amputation surgery on 08-09-01. Plu by SKB 08-10-01. 0.5cc Amikacin injections 8/13 + 8/20 CA
Taken to NMFS RFF on 8-10-01 by KUH and put into tank B. Dr. Morris examination sheet to be faxed later (Dr. Morris didn't complete)
Given 0.5cc IM Baytril on 9/1, 9/4, 9/6, 9/8

TUMOR SCORE:	<input type="checkbox"/>	TAGS:	<input type="checkbox"/>	SEX: Male, Female or Undetermined	<input checked="" type="checkbox"/>
ORAL TMRS EXT: YES OR NO	<input type="checkbox"/>				
EMACIATION CODE:	<input type="checkbox"/>			DB:	<input type="checkbox"/>
				VB:	<input type="checkbox"/>
STRAIGHT CARAPACE - LENGTH:	<input type="text" value="43.0"/> cm			WIDTH:	<input type="text" value="34.2"/> cm
NOTCH LENGTH:	<input type="text" value="42.9"/> cm			PPS (Y/N):	<input type="text" value="N"/>
CURVED CARAPACE LENGTH:	<input type="text" value="46.5"/> cm			WIDTH:	<input type="text" value="41.0"/> cm
HEAD WIDTH:	<input type="text" value="6.9"/> cm	AXIAL:	<input type="text" value="16.4"/> cm	LATERAL:	<input type="text" value="16.0"/> cm
TAIL LENGTH: T	<input type="text" value="8.0"/> cm	C	<input type="text" value="6.0"/> cm	SAMPLES COLLECTED:	
RIGHT FRONT FLIPPER WIDTH:	<input type="text" value="6.4"/> cm			<input type="text"/>	
PLASTRON LENGTH:	<input type="text" value="34.6"/> cm			<input type="text"/>	
WEIGHT:	<input type="text" value="13.1"/> #			<input type="text"/>	

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, HALEWIA

REQ #: 3344610

AGE:

SEX:

LAB #: L6881046

COLLECTED: 08/30/2001

RECEIVED: 08/31/2001 08:29

REPORTED: 09/01/2001 10:10

SPECIES:

BREED: SEA TURTLE

DOCTOR: MORRIS R.

TEST PROCEDURES

REPTILIAN PROFILE #1

REPTILIAN PANEL #1

	RESULTS	REFERENCE RANGE	UNITS
ALK. PHOSPHATASE	15		IU/L
ALT (SGPT)	5		IU/L
AST (SGOT)	166		IU/L
CK	619		IU/L
LDH	68		IU/L
ALBUMIN	1.4		IU/L
TOTAL PROTEIN	4.6		g/dL
GLOBULIN	3.2		g/dL
BUN	79		g/dL
CREATININE	0.2		mg/dL
CHOLESTEROL	111		mg/dL
GLUCOSE	108		mg/dL
CALCIUM	6.5		mg/dL
PHOSPHORUS	6.7		mg/dL
POTASSIUM	3.2		mg/dL
SODIUM	157		mEq/L
A/G RATIO	0.4		mEq/L
URIC ACID	1.3		mg/dL
AVIAN/EXOTIC CBC AND PLASMA PROTEIN			mg/dL
WBC-EST	6-8		
WBC COUNT	7.2		THOUS.
HCT	10.5		THOUS.
HETEROPHILS	38		%
NEUTROPHIL SEC ^{US}	30		%
LYMPHOCYTES	30		%
MONOCYTES	1		%
EOSINOPHIL	1		%
ABSOLUTE HETEROPHIL	2736		%
ABSOLUTE NEUTROPHIL SEC	2160		MM3
ABSOLUTE LYMPHOCYTE	2160		/uL
ABSOLUTE MONOCYTE	72		/uL
ABSOLUTE EOSINOPHIL	72		/uL
THROMBOCYTES			/uL
POLYCHROMASIA	ADEQUATE		
	SLIGHT		

Table 1 -- Mean, standard deviation, and range of straight carapace length, weight, and plasma biochemistry values for clinically healthy green turtles (*Chelonia mydas*), Hawaiian Islands, 1991-95

Variable	Kaneohe Bay, Oahu			North Shore SURG 8/9/01
	n = 33			
	Mean	±SD*	Range	
Straight Carapace Length	45.3	4.8	37.4-55.2	8/9/01
Weight	14.1	4.7	7.7-25.4	20218
Protein (g dl)	4.2	0.6	2.9-5.6	4.6
Albumin (g dl)	1.7	0.4	0.6-2.2	1.4
Globulin (g dl)	2.7	0.5	1.8-4.0	3.2
Albumin:Globulin ratio	0.6	0.2	0.2-1.2	0.4
Total Bilirubin (mg dl)	0.3	0.1	0.0-0.4	
Direct Bilirubin (mg dl)	0.05	0.1	0.0-0.5	
Indirect Bilirubin (mg dl)	0.2	0.1	0.0-0.4	
ALAT† (U l)	3.9	7.0	0.0-50.0	5
ASAT† (U l)	138.4	41.5	1.0-370	166
Alkaline Phosphate (U l)	33.5	12.2	12-62	5
GGT† (U l)	2.7	1.5	0.0-5.0	
LDH† (U l)	303.8	180.4	55-1286	68
Urea Nitrogen (BUN) (mg dl)	5.2	14.1	0.0-64.0	79 ↑
Creatinine (mg dl)	0.2	0.1	0.1-0.5	0.2
BUN:Creatinine Ratio	25.8	70.7	0.0-320.0	
URIC ACID (mg dl)	1.3	0.8	0.0-4.5	1.3
Calcium (mg dl)	9.1	1.7	1.1-12.1	6.5
Phosphorus (mg dl)	8.2	1.3	5.9-11.8	6.7
Cholesterol (mg dl)	140.0	43.0	32-280	111
Triglycerides (mg dl)	134.2	68.7	28-331	
Glucose (mg dl)	114.7	35.0	64-334	108
Iron (mcg dl)	46.3	64.8	9-321	
Sodium (mcq l)	158.0	4.0	146-170	157
Potassium (mcq l)	5.2	0.9	3.9-6.8	3.2
Chloride (mcq l)	115.2	5.7	103-130	

*Standard Deviation
†Alanine Amino Transferase
‡Aspartate Amino Transferase
§Gamma Glutamyl Transpeptidase
¶Lactic Dehydrogenase

ck
abc
PCV
69
7000
10.5

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
		A) anemia R/O infection bleeding at site of surg 22 P CBC / Chem ② 25mg Winstrol V IM ③ 1cc B Comp IM ④ 1/2 cc K ₁ (5mg) SQ ⑤ ① INITIAL 50mg - 140 - 1cc - to be given (Days 9/1, 9/3, 9/5, 9/7) ⑥ vit ADE - 1/2 cc IM (200 IU) RADS - DV - nothing noted out of ordinary - Re check next week.
8/30/01		Blood work up Anemia slight BUN elevation potassium levels low
9/7/01		Re check Wt 20.4 PCV 10.00 TP 5.2 higher fluffy coat Smudges to abdomen on 10 th , 13 th , 16 th , 19 th 50 mg initial - 1cc, then 1cc q 3d give initial dose on 9/7 Repeat injections ① 25mg Winstrol V IM ② 1/2 cc K ₁ (5mg) SQ ③ 1/2 cc B Comp IM ④ 1/2 cc ADE IM

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME N MFS		ADDRESS			TELEPHONE	
PATIENT NAME		SPECIES C. R. P. L. W.	BREED TURTLE	SEX	COLOR AND MARKINGS	
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION NORTH Shore - Ken Woods		LAB	X-RAY	
DATE	TEMP	DESCRIPTION				
8/9/01		Surgery for Flipper Amputation Time intervals				
	3:25	intubate 4-5% sevoflurane - lidocaine glottis area				
	3:55	start surg (30 min)				
	4:00	amputation of RF flipper at humeral joint				
		2.5% muscle over scapula suture 1-0 very				
		SQ closure 1-0 very				
		skin closure 1-0 very inter. sut. pattern - willow				
	4:00	reduce gas to 3%				
	4:05	Turn off gas - on O ₂ only (TOTAL GAS 33 min)				
	4:35	end surgery				
	4:50	HR 28				
	5:08	HR 36				
	5:16	off O ₂ -				
	7:45	pull tube (4 hr 40 min RECOVERY)				
	9: PM	tube doing well				
		injection (loc 50mg - Ambicain IM)				
8/10/01		tube doing well - send to Ken's dispense Ambicain - 25mg to he gives IM on 8/13 & 8/16				
8/30/01		20.2 lbs				
		stopped eating last week - floating - started eating again -				
		① mild emaciation				
		② Wound from amputation site - appears to have healed				
		③ Anemia PCV 10 TP. 4.4 no buffy coat				
		A) Anemia!				

LIVE TURTLE EXAMINATION RECORD

Date: 6/9/01
Turtle ID: NORTH SHORE - KEN NICHOLS
Comments: Fusing line - recent capture
wt 23.4

PHYSICAL EXAM

Head and neck: normal

Mouth: normal

Eyes: normal

Front flippers: morphological line around base of flipper
cut thru base - swollen distal end

Shell: normal

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

PCV ___ T.P. ___
CBC ___ Chemistries ___
Others pictures

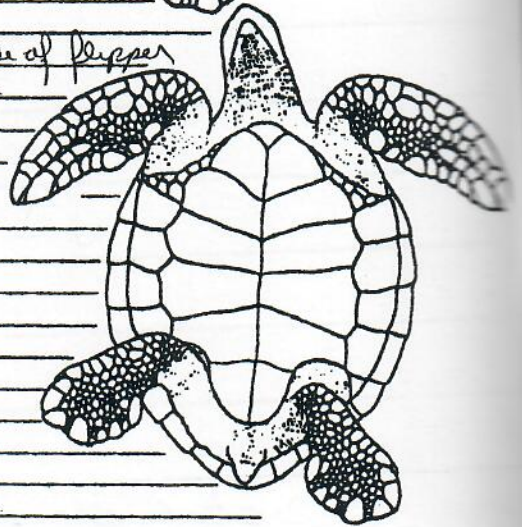
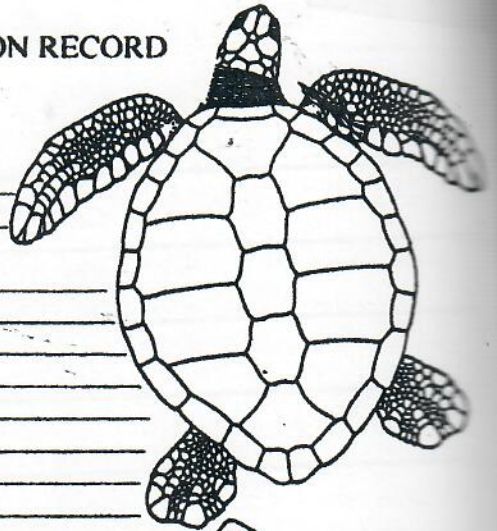
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: Amputation of flipper at joint
see report

Signed: Robert G. Morris

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



MARINE TURTLE RESEARCH PROGRAM
NMFS-HONOLULU LABORATORY
FOR INTERNAL USE ONLYMTRP USE ONLY:
TOPS: 20 AUG 2001
LOGBOOK: 20 AUG 2001

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:

08-09-01/10:30a

Name:

Ken Nichols (N. Shore Dive HQ)

Phone:

637 7942

Full mailing address: (optional - to send sea turtle literature)

66-456 Kam Hwy

Email:

****VERY IMPORTANT****

Location

Where is this turtle located?

Found alive ~20' offshore @ Alligator Rock.

Retrieved by contact and taken to his dive shop

How close is it to the nearest vehicle access way?

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?

Fishing line entangling RFF

(i.e. rotten, fresh, intact or not, unknown)

Are there any obvious signs as to the cause of death or injury? Yes

Any evidence of law enforcement violation?

If yes, please briefly describe:

Fishing line

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:

SKM

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 - 323-3141; or Waimea - 887-6196
Molokai: 567-6618
Lanai: 565-7916
Kauai: 274-3521
Maui: 984-8110

Curved 4 1/2 (L)
41 (W)

For Gailie & STAN from George KONA

LIVE TURTLE EXAMINATION RECORD

1 of 4 pages

Date: 8/10/01 PITAG
Turtle ID: KONA-434E431F1E
Comments: SHELL LESIONS - BOAT STRIKE
TURTLE HAS BEEN SEEN LIKE THIS FOR 4 MONTHS

PHYSICAL EXAM

Head and neck: NORMAL

Mouth: NORMAL

Eyes: NORMAL

Front flippers: NORMAL

Shell: NUMEROUS SMALL LESIONS
FROM PROPELLER STRIKE (2) SOME AREAS
OF INSTABILITY - HEALING - FIBROUS AREAS BETWEEN LESIONS
Plastron: NORMAL

Rear flippers: NORMAL

Tail: NORMAL

BODY CONDITION: GOOD

SAMPLES TAKEN

PCV T.P.

CBC Chemistries

Others _____

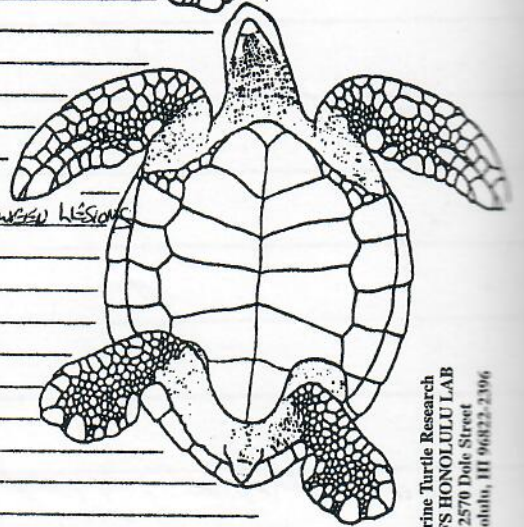
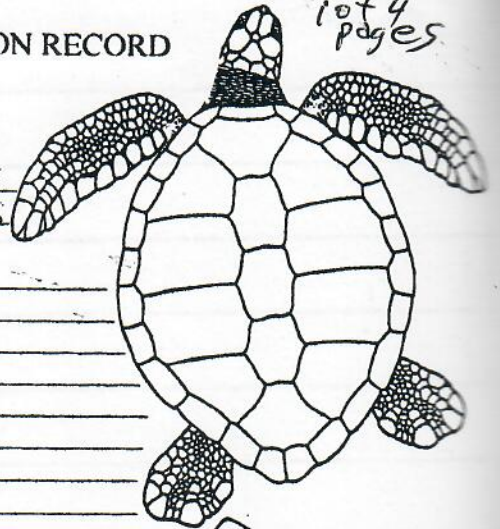
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: BASELINE CBC + CHEM TAKEN -
TURTLE DOING WELL - DECIDED TO RELEASE - 8/13 WBC OK
Calcium/Phos levels off - CAT Pt, Na & ALBUMEN LOW.

Signed: Roberta Moore

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



Marine Turtle Research
NMFS HONOLULU LAB
2570 Dale Street
Honolulu, HI 96822-2106



Table 1 -- Mean, standard deviation, and range of straight carapace length, weight, and plasma biochemistry values for clinically healthy green turtles (*Chelonia mydas*), Hawaiian Islands, 1991-95

Variable	Kaneohe Bay, Oahu			KOHA	8/10/01
	n = 53				
	Mean	±SD*	Range	6/4/01	
Straight Carapace Length	45.3	4.8	37.4-55.2		
Weight	14.1	4.7	7.7-25.4		
Protein (g dl)	4.2	0.6	2.9-5.6	3.9	
Albumin (g dl)	1.7	0.4	0.6-2.2	1.0 ↓	
Globulin (g dl)	2.7	0.5	1.8-4.0	2.9	
Albumin:Globulin ratio	0.6	0.2	0.2-1.2	0.3	
Total Bilirubin (mg dl)	0.2	0.1	0.0-0.4		
Direct Bilirubin (mg dl)	0.05	0.1	0.0-0.5		
Indirect Bilirubin (mg dl)	0.2	0.1	0.0-0.4		
ALAT† (U l)	3.9	7.0	0.0-50.0	2	
ASAT† (U l)	158.4	41.5	1.0-270	193	
Alkaline Phosphatase (U l)	33.5	12.2	12-62	55	
GGT† (U l)	2.7	1.5	0.0-5.0		
LDH† (U l)	203.8	180.4	55-1286	260	
Urea Nitrogen (BUN) (mg dl)	5.2	14.1	0.0-64.0	14	
Creatinine (mg dl)	0.2	0.1	0.1-0.5	.4	
BUN:Creatinine Ratio	25.8	70.7	0.0-320.0		
Lactic Acid (mg dl)	1.3	0.8	0.0-4.5	0.2	
Calcium (mg dl)	9.1	1.7	1.1-12.1	12.6 ↑	
Phosphorus (mg dl)	8.2	1.3	5.9-11.8	7.4 ↓	
Cholesterol (mg dl)	140.0	43.0	32-280	108	
Triglycerides (mg dl)	124.2	68.7	28-331		
Glucose (mg dl)	114.7	35.0	64-234	63	
Iron (mcg dl)	46.3	64.8	9-321		
Sodium (meq l)	158.0	4.0	146-170	139 ↓	
Potassium (meq l)	5.2	0.9	3.9-8.6	4.1	
Chloride (meq l)	115.2	5.7	103-130		

*Standard Deviation

†Alanine Amino Transferase

‡Aspartate Amino Transferase

§Gamma Glutamyl Transpeptidase

¶Lactic Dehydrogenase

CPK

WBC - 10,000-12,000 977

PCV - 20

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: PMES, KONA

424E431F1E

REQ #: 3344660

AGE:

SEX:

SPECIES: REPTILE

BREED:

LAB #: L6754286

COLLECTED: 08/12/2001

RECEIVED: 08/12/2001 20:54

REPORTED: 08/13/2001 10:02

DOCTOR: MORRIS

TEST PROCEDURES

RESULTS

REFERENCE RANGE UNITS

REPTILIAN PROFILE #1

REPTILIAN PANEL #1

ALK. PHOSPHATASE

55

IU/L

ALT (SGPT)

2

IU/L

AST (SGOT)

193

IU/L

CK

977

IU/L

IDH

260

IU/L

ALBUMIN

1.0

g/dL

TOTAL PROTEIN

3.9

g/dL

GLOBULIN

2.9

g/dL

BUN

14

mg/dL

CREATININE

0.4

mg/dL

CHOLESTEROL

108

mg/dL

GLUCOSE

63

mg/dL

CALCIUM

12.6

mg/dL

PHOSPHORUS

4.4

mg/dL

POTASSIUM

4.1

mEq/L

SODIUM

139

mEq/L

A/G RATIO

0.3

URIC ACID

0.2

mg/dL

AVIAN/EXOTIC CBC AND PLASMA PROTEIN

WBC-EST

10.0-12.0

THOUS.

WBC COUNT

11.3

THOUS.

HCT

20.0

%

HETEROPHILS

23

%

NEUTROPHIL SEG

2

%

LYMPHOCYTES

75

%

ABSOLUTE HETEROPHIL

2599

MM3

ABSOLUTE NEUTROPHIL SEG

226

/uL

ABSOLUTE LYMPHOCYTE

8475

/uL

THROMBOCYTES

ADEQUATE

POLYCHROMASIA

SLIGHT

ANISOCYTOSIS

MODERATE

BLOOD PARASITES

TO FOLLOW

CONTINUED REPORT

MAKAI ANIMAL HOSPITAL
420 ULUNIU ST.
KAILUA, HI 96734

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

1-808-262-9621 ACCOUNT #: 1303

PATIENT: PMFS, KONA

REQ #: 3344660

LAB #: L6754286

AGE: SEX:

COLLECTED: 08/12/2001

SPECIES: REPTILE

RECEIVED: 08/12/2001 20:54

BREED:

REPORTED: 08/13/2001 10:02

DOCTOR: MORRIS

TEST PROCEDURES

RESULTS

REFERENCE RANGE UNITS

REMARKS

BASOPHILIC STIPPLING

DIFFERENTIAL MAY BE AFFECTED DUE TO MANY SMUDGE CELLS PRESENT.

NEUTROPHILS = AZUROPHILS

CELLS DO NOT APPEAR TOXIC OR REACTIVE

SLIDE TO BE REVIEWED BY DR. JOSEPH. SLIDES ARE REVIEWED ON TUES AND

THURS. PLEASE CALL CUSTOMER SERVICE IF REVIEW IS NEEDED SOONER.

PMFS, KONA

PARTIAL REPORT - FINAL TO FOLLOW

BATCH #: 002

CAPTURE DATE, LOCATION AND METHOD:

Mototool "D"

8/31/01 Kawaiwi Canal ScoopNet
PERSON RECORDING DATA: SME KAILUA BAY

OLD TAGS: RHF 4248706000 NEW TAGS: RFL

LHF 4240462100

TUMOR SCORE

OTHER NEW TAGS:

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

STRAIGHT CARAPACE-LENGTH: 45.8 WIDTH: 38.2

NOTCH LENGTH: 45.8 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 49.5 WIDTH: 45.0

HEAD WIDTH: 7.5 Axial - 17.5

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE Yes Lateral - 17.3

TAIL LENGTH: T 8.5 c 5.0

RIGHT FRONT FLIPPER WIDTH: 8.0 SAMPLES COLLECTED

PLASTRON LENGTH: 36.2

WEIGHT: 28.6

DESCRIPTIVE REMARKS:

4 plaques soft gallate
ENDOSCOPE PICTURES AT
TO NRF FOR BAIT STUDY MAC