

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 / réglage large / rayado ancho

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mead **GEORGE BALAZS**

**SQUARE
DEAL**

**SCHEDULE
HORAIRE/HORARIO**

	1	2	3	4	5	6	7	8
TIME HEURE HORA								
MONDAY LUNDI LUNES								
TUESDAY MARDI MARTES								
WEDNESDAY MERCREDI MIERCOLES								
THURSDAY JEUDI JUEVES								
FRIDAY VENDREDI VIERNES								
SATURDAY SAMEDI SABADO								
SUNDAY DIMANCHE DOMINGO								

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT

219101

Released by GB Kaneohe Beach Park 11:50 AM 2-9-01 SWAM out right away

CAPTURE DATE, LOCATION AND METHOD:

1-23-01

Chun's Reef (Haleiwa), Oahu

Joan Peck and Joan Gossett

PERSON RECORDING DATA:

OLD TAGS:

Empty boxes for old tags

NEW TAGS:

RHF
RFL
EFL
LHF

410B384769



410B7B212F



TUMOR SCORE

2

STRAIGHT CARAPACE - LENGTH:

48.4 cm

WIDTH:

40.6 cm

NOTCH LENGTH:

48.3 cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

52.0 cm

WIDTH:

47.5 cm

HEAD WIDTH:

80.1 cm

LATERAL:

17.6 cm

AXIAL:

17.8 cm

PPS: YES OR NO OR NE

Y

SEX: Male, Female or Undetermined

Empty box for sex

TAIL LENGTH: T

9.5 cm

C 5.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

41.0 cm

WEIGHT:

30.4 #

DESCRIPTIVE REMARKS:

Blood for plasma bank, DNA & blood dots

1.7 cc LIQ

Eye globe came in broken - MAC surgery removed and sutured.

3x Print photos
Cryo AT MAC
1 - #2 dorsal neck
1 - #2 RFF axial
1 - LFF #2 ventral

+ Tumor on other eye and Gtatt

LOCATION, SIZE, AND NUMBER OF TUMORS

Surgically Removed

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE						
LEFT EYE		2			2	<i>1 - glottal Surgically Removed</i>
MOUTH		3			3	
NECK	6	7			13	
RFF	3	1			4	
LFF	3	3			6	
RHF		1			1	
LHF						
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL	12	14			27	

OTHER INFORMATION:

TUMOR SCORE: 2

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

89 JAN 2001

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 1/24/01

NECROPSY DATE: 1 1 MTRP STRANDING ID 1-23-01

CONTACT: Joan Peck	DATE: 1-23-01	LOCATION: Chun's Reef (Haleiwa), Oahu
PERSON RECORDING DATA: SME		

DESCRIPTIVE REMARKS: Found up on beach, alive on 1-23-01. Put back in water by Joan Gossett. Turtle came up again on 1-24-01. Plu by SME and taken to MAC.

PCA
Leech eggs on all flippers and neck, removed
Leeches on jaw hinge removed
Tumor removal surgery on 1-25-01 by Dr. Morris. (Leyetumor, Glottis tumor)
Plu by SEL/PET on 1-26-01 and taken to NMFS-KEF.

TUMOR SCORE:	TAGS:	SEX: Male, Female or Undetermined
2		<input type="checkbox"/>
		DB: <input checked="" type="checkbox"/> VB: <input checked="" type="checkbox"/>

STRAIGHT CARAPACE - LENGTH:	47.9 cm	WIDTH:	40.3 cm
NOTCH LENGTH:	47.9 cm	PPS (Y/N):	Y
CURVED CARAPACE LENGTH:	51.5 cm	WIDTH:	47.0 cm
HEAD WIDTH:	8.0 cm		
TAIL LENGTH: T	9.5 cm	c	6.0 cm
RIGHT FRONT FLIPPER WIDTH:	8.3 cm	SAMPLES COLLECTED:	
PLASTRON LENGTH:	40.7 cm		
WEIGHT:	31.2 #		

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE						
LEFT EYE		2			2	30% vision
MOUTH		3			3	1#2 each jaw hinge 1#2 glottis
NECK	6	7			13	
RFF	3	1			4	
LFF	3	3			6	
RHF		1			1	
LHF						
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL	12	17			29	

OTHER INFORMATION:

Given 1cc IM Amikacin on 1/29, 2/1, 2/5, 2/8
 p/u by SEL and taken to MAC, Sutures removed by Dr. Morris.
 Then taken to NAFS-Lab and held in A2 overnight.

TUMOR SCORE:

2

LIVE TURTLE EXAMINATION RECORD

30 JAN 2001

Date: 1/24/01
 Turtle ID: Chius Reef - HALEIWA
 Comments: Stranding
31.2 lbs

PHYSICAL EXAM

Head and neck: neck 4 - #2 tumors dorsal
numerous vent tumors mostly #2's

Mouth: R. JAW HILWAS
#2 goblet tumor

Eyes: (R) no globe - opacified
(L) #2 tumor limited vision

Front flippers: #1 + #2 tumors (R+L)

Shell: normal

Plastron: normal

Rear flippers: #2 vent R Near tumor

Tail: stumped

BODY CONDITION: good

SAMPLES TAKEN

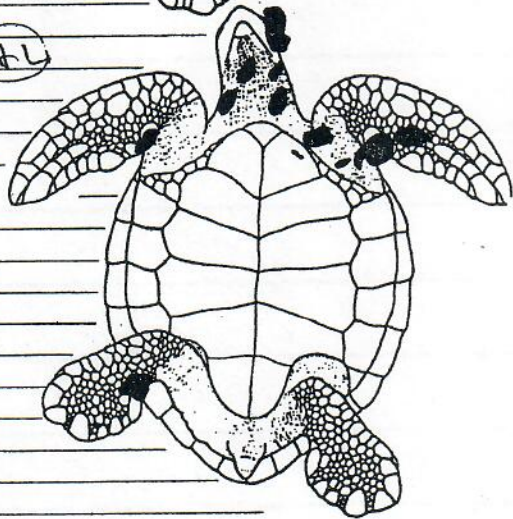
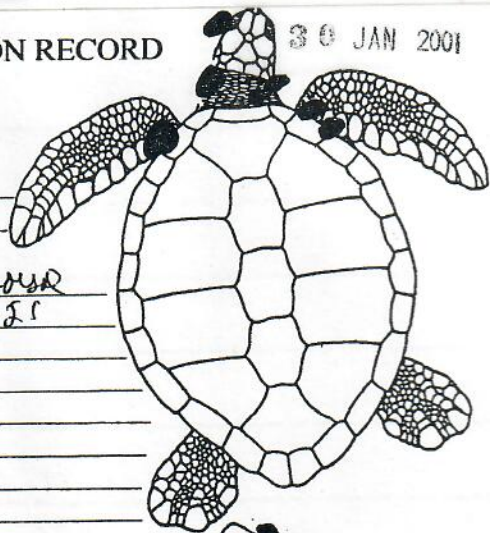
PCV 20 T.P. 30
 CBC _____ Chemistries _____
 Others RASS -

APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: limited vision in left eye
no vision right eye - goblet tumor - not embolized
try to help by debriding tumor load on eyes & goblets
 Signed: Robert A. Moxley DVM

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



MEDICAL HISTORY - CLINICAL RECORD

30 JAN 2001

OWNER NAME N MFS		ADDRESS		TELEPHONE	
PATIENT NAME Chemo Reel		SPECIES	BREED	SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION STanding 1/24/01		LAB	X-RAY

DATE	TEMP	DESCRIPTION
1-25-01		<p>Decision to do surgery -</p> <p>Plan:</p> <ol style="list-style-type: none"> 1) Remove what is left of Right eye & suture lids 2) remove tumors from left eye to increase vision 3) remove glaucoma tumor <p>Anest: J</p> <p>start Sevoflurane after intubation 2:50 PM 57</p> <p>HR 24</p> <p>(Anest) start surgery 3:16 PM - (25 MIN)</p> <p>gases to 176 (after 45 MIN) HR. 25</p> <p>had to give local block</p> <p>turned off anest (1 hr 10 MIN) 4:25</p> <p>finished Surg 4:40 - 95 MIN HR 20</p> <p>1 cc Dopamine 6:40 HR 25</p> <p>7:15 HR 30 - 5cc Toradol for pain</p> <p>10:17 - (moving & moved head to breath 6 hr 25 MIN)</p> <p>after turning off anest</p> <p>11 PM pulled tube - 7 hr 25 min after no ane</p> <p>Summary:</p> <p>Sully Time 95 MIN</p> <p>Anest Time TOTAL 70 MIN</p> <p>Anest time to Surg 25 MIN</p> <p>Tube out 8 hr 15 MIN from time Patient</p> <p>Surgery:</p> <p>Shore tumor from left eye - strong fibrous attachment to sclera</p> <p>Remove tumor from eyelid - medial canthus - 5 mm - small tumor & medial canthus - suture to wrap part of upper</p>

ID 1-23-01

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME N.M.F.S.		ADDRESS		TELEPHONE	
PATIENT NAME HOWS REEF		SPECIES	BREED	SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION Surgery 1/24/01		LAB	X-RAY

DATE	TEMP	DESCRIPTION
1/25/01		<p>lid area - Repair eye - remove old collapsed globe from orbit - flush betadine solution - trim eyelids - upper & lower sutures 3-0 nylon lids - start tumor mattress - trim together toward R. discharge Post Surg: 75 mg Ambrosin IM</p>
1/26/01		<p>Surgery OK Surgery to deload fluid from R eye socket - Pt 300 cc fluids I.P. 1 cc Vit B IM 2 worm 1.2 cc praziquantel IM send to Keweenaw - 50 mg Ambrosin 1/29, 2/1; 2/4; 2/7 P) Sutures in 14 + days - X-Ray under - no holes or internal tumors noted R</p>
2/6/01		<p>PCV 24 WT 30.4 loss .5 lb TP 3.8 Remove sutures - OK for release R</p>

RECOMMENDATIONS: REMOVED LIDS AND TUMORS

AKAI ANIMAL CLINIC

Date: Tue, 18 Sep 2001 22:01:31 -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: Tag 10288

Our large female id 9-15-01B Chun's Reef at KRF has tag 10288 RFL position (and another not yet read on the LFL amputated flipper that is now somewhere in A2 (see SB or CM for location-- needs to be steamed cleaned- humerus only (two parts). Anyway, can you please give a tdp historical for the number. Mahalo, George

PHYSICAL EXAMINATION RECORD

Date: 9/15/01 **B**
 Turtle ID: CHUN'S REEF
 Comments: TAG - LINE GOING DOWN

THROAT
PHYSICAL EXAM
 Head and neck: LINE DOWN THROAT - ATTACHED
AROUND LEFT FLIPPER

Mouth: _____

Eyes: normal

Front flippers: 1 FRONT SWOLLEN - MONO LINE
AROUND BASE

Shell: NORMAL

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: Good

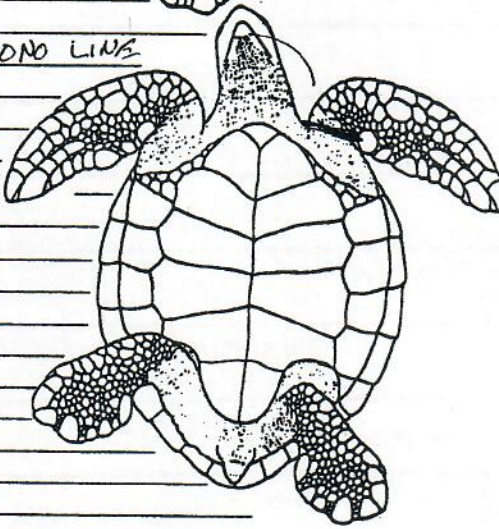
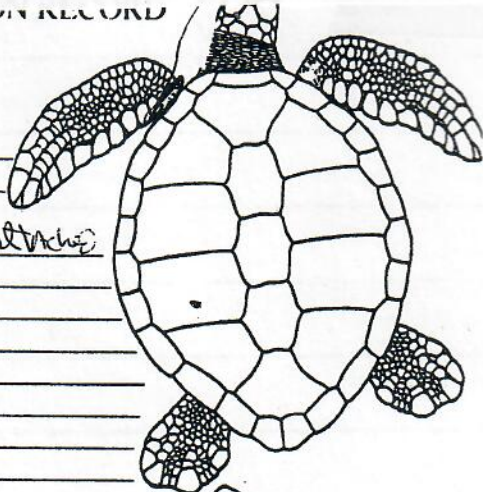
SAMPLES TAKEN

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: REMOVED LINE DOWN THROAT
NO HOOK SEEN - RECOMMEND SURGERY - FLIPPER
AMPUTATION. SEE REPORT -
 Signed: Roberta Moore



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

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME NMFS		ADDRESS		TELEPHONE
PATIENT NAME CHONS REEF		SPECIES	BREED 9/15/01	SEX
ALtered YES <input type="checkbox"/> NO <input type="checkbox"/>		BIRTHDATE	SPECIAL INFORMATION AMPUTATION - Fish Limb	LAB
				X-RAY

DATE	TEMP	DESCRIPTION
9/17/01		<p>Amputation of Dorsal fin flipper = 1 cc Dormitor IM 30 cc Bupivacaine w/phenylephrine 1M - blood (low blood) around surgical site Surg. prep of area - amputation - surgical + yag laser to cut base remove remaining humerus at shoulder joint remove fibrous tissue - close muscle & tissue w/Hel Vecryl - SO closure Hel Vecryl - Wound edges continuous mattress skin closure w/ aut. #10575 Surg. Amputation IM (1.5c.) #2875 Surg. Amputation IM 9/20, 9/23 (5.25c.) sent to Kenada tomorrow</p>
9/19/01		<p>Down well only small amt bleeding to Kenada for weeks w/A/B</p>

Rw

18 SEP 2001

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 09/17/01

NECROPSY DATE: / / MTRP STRANDING ID 09-15-01B

CONTACT: Ken Nichols via Filiasha Ierland (SGs)	DATE: 09-15-01B	LOCATION: Chun's Reef, Oahu
PERSON RECORDING DATA: KUH		

DESCRIPTIVE REMARKS:
 Found alive with fishing line entangling LFF, removed ^{partially} by contact. Hook
 taken to ^{down mouth,} Makai Animal Clinic by Ken Nichols.
 66-456 Kam Hwy
 Halcina, HI 96712
 (outside Chun's Reef)
 PCA

TUMOR SCORE: <input type="checkbox"/>	TAGS: 102AA RFF 10288	SEX: Male, Female or Undetermined <input checked="" type="checkbox"/> F
ORAL TMRS EXT: YES OR NO <input checked="" type="checkbox"/>		
EMACIATION CODE: <input type="checkbox"/>		DB: <input type="checkbox"/> VB: <input type="checkbox"/>

STRAIGHT CARAPACE - LENGTH: 86.8 cm WIDTH: 65.2 cm

NOTCH LENGTH: 86.8 cm PPS (Y/N): N

CURVED CARAPACE LENGTH: ~~86.8~~ 93.0 cm WIDTH: cm

HEAD WIDTH: 12.9 cm AXIAL: cm LATERAL: cm

TAIL LENGTH: T 26 cm C 18 cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: 70.4 cm

WEIGHT: #

Historical Information for Turtle Tag 10288

Tag Information:
 Tag Number
 10288
 10289

Date Tag Type Tag Position

Date	Type of Encounter	Location	Tumor Rank	Nesting Act	Curved Carapace	Since Last Encounter			Overall		
						Interval Month	Interval Year	Growth-Rates cm/mon	Interval Month	Interval Year	Growth-Rates cm/mon
6/1/88	Nesting	Whale-Skate	0	N	91.5	---	---	---	---	---	---
6/4/88	Nesting	Whale-Skate	0	B	91.5	---	---	---	---	---	---
6/5/88	Nesting	Whale-Skate	0	B	91.5	---	---	---	---	---	---
6/6/88	Nesting	Whale-Skate	0	B	91.5	---	---	---	---	---	---
6/7/88	Nesting	Whale-Skate	0	B	91.5	---	---	---	---	---	---
6/8/88	Nesting	Whale-Skate	0	B	91.5	---	---	---	---	---	---
6/11/88	Nesting	Whale-Skate	0	C	91.5	---	---	---	---	---	---
6/15/88	Nesting	Whale-Skate	0	B	91.5	---	---	---	---	---	---
6/23/88	Nesting	Whale-Skate	0	N	91.5	---	---	---	---	---	---
7/28/88	Nesting	Whale-Skate	0	C	91.5	1.0	0.1	0.0	1.0	0.1	0.0
7/29/88	Nesting	Whale-Skate	0	N	91.5	---	---	---	1.0	0.1	0.0

Release

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10 11 01

Mototool "9-15B" on 3rd

CAPTURE DATE, LOCATION AND METHOD:

lateral left/right w/ white paint

Ken Nichols via Filiesha LeRond (SSG)	9-15-01B	Chun's Reef, Oahu
PERSON RECORDING DATA:		

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

OLD TAGS:

10288 RFF

NEW TAGS:

RHF RFL	4250227C16	
LFL		
LHF	424E380C49	

Inserte
by
GHB

STRAIGHT CARAPACE - LENGTH:

87.0 cm

WIDTH: cm

NOTCH LENGTH:

86.9 cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

93.0 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

RIGHT FRONT FLIPPER WIDTH:

cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

cm

WEIGHT:

#

DESCRIPTIVE REMARKS:

Released by SME and Ken Nichols on 10-1-01 at Haleiwa Beach Park. Slight bleeding from sutures. Turtle swam out fine.

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

MTRP USE ONLY:
TOPS: 26 SEP 2001
LOGBOOK: 26 SEP 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: 09.24.01 1:07 pm
 Name: Gordan via David Krause (DOCARE) Phone: Gordan 783-5421
 Full mailing address: (optional - to send sea turtle literature) _____
 Email: _____

Location
Where is this turtle located? Nauakuli Beach Park - Launaniia Ave.

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

Turtle
 Is the turtle alive or dead? A D Uncertain Shell = 45.8cm
 or "Is it possible for one person to lift and carry the turtle?" Yes No N = 45.3cm
 "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? R injured flipper - had entanglement - by kid that brought it ashore in tidepool.
(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: KSM

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: 553-5190
- Lanai: 565-7916
- Kauai: 274-3521
- Maui: 984-8110

Responded by KSM & CM and taken to mae - Plu by KSM on 9-26-01 and taken to NMFS-KRF

MEDICAL HISTORY - CLINICAL RECORD

26 SEP 2009

OWNER NAME UMFS		ADDRESS		TELEPHONE	
PATIENT NAME NANAKU BEACH		SPECIES BIRD		BREED PARK	
ALTERED RES <input type="checkbox"/> NO <input type="checkbox"/>		BIRTHDATE		SPECIAL INFORMATION FISHING LINE	
		LAB		X-RAY	

DATE	TEMP	DESCRIPTION
9/25/01		<p>Surgey indicated because of R flipper swelling lack of use, deep marks around 2 fingers of hump.</p> <p>Photos taken - 75mg amoxicillin pre surgery AB given</p> <p>Surgery -</p> <p>10:40 Packed intubation - 5% induction of sevoflurane</p> <p>10:40 (1) reduced to 3% 10 MIN LATER</p> <p>(2) oral temperature w/ perianal. blocks - 8-10cc around surgical site</p> <p>11:00 (3) start surgery 20 min after induction</p> <p>surgical repair R flipper at joint - closure of muscle over joint w/ s-velvet s.d. closure o-velvet</p> <p>11:05 (4) 470</p> <p>11:10 (5) 320</p> <p>11:15 (6) 34 MIN into surgery - turned off oxygen & left on O₂</p> <p>11:45 (7) Surgery ended approx 1 hr</p> <p>12:15 (8) sutured muscle & flipper movement HR: 24</p> <p>1:55 (9) off O₂ tube still down</p> <p>3:24 (10) 2 hrs after awoke off - pulled tube -</p> <p>Pt sent to Kewalo Tannery - Rx - amoxicillin 40 mg 9/28, 10/1, 10/4</p>

LIVE TURTLE EXAMINATION RECORD

26 SEP 200

Date: 9/25/01
Turtle ID: NASA Side Band Paper 924/01
Comments: from line extension
line removed before exam

ID
924/01

PHYSICAL EXAM

Head and neck: normal
Mouth: normal - some amphipods

Eyes: normal

Front flippers: deep line cut base of Right flipper - distal part swollen - not functional
left flipper line cut at base shallow
Shell: normal

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

PCV 25 T.P. 3.6
CBC _____ Chemistries _____
Others X-Ray - CD
phallos

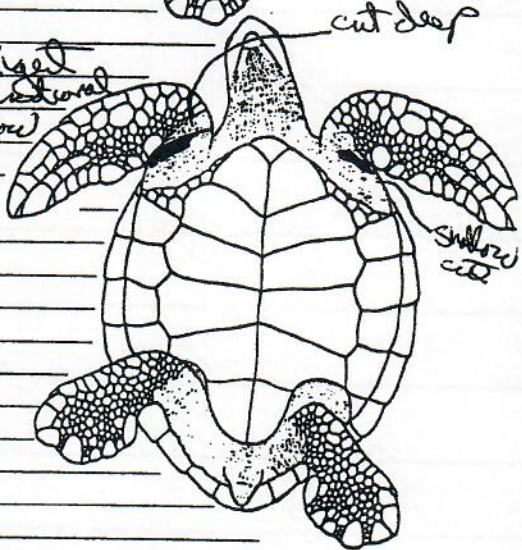
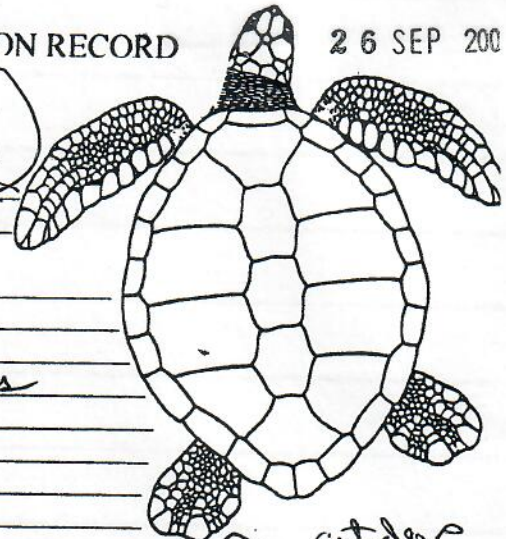
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: Swollen R flipper - X-RAY - 2 cuts
then line - needs amputation

Signed: Robert A. Waters, DVM

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



26 SEP 2001

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 09, 26, 01

NECROPSY DATE: / / MTRP STRANDING ID 09-24-01

CONTACT: Gordon via DOLARE Off. David Kiawe	DATE: 09-24-01	LOCATION: Nanakuli Beach Park, Oahu
PERSON RECORDING DATA:		

DESCRIPTIVE REMARKS:
 Found alive. with RFF entangled with fishing line. Fishing line removed by kids. Kids then put turtle in tide pool.
 Plu by KSM/KM and taken to Makai Animal Clinic.
 RFF amputation surgery performed by Dr. Morris on 09-25-01.
 Transferred to NMFS-RFP on 09-26-01 by GIB.
 Injections given by SKB on 9/28, 10/1, 10/4 of 40 mg Amikacin.
 Plu by SKB on 10/4 and brought to NMFS-Lab for release.
 Released by SAE/KSM on 10/4/01 at Kawaikui Beach Park.

TUMOR SCORE: <input type="checkbox"/>	TAGS:	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"/>	DB: <input type="checkbox"/>	VB: <input type="checkbox"/>
STRAIGHT CARAPACE LENGTH: <input type="text" value="45.8"/> cm	Questionable due to release measurement.	WIDTH: <input type="text"/> cm
NOTCH LENGTH: <input type="text" value="45.3"/> cm		PPS (Y/N): <input type="text"/>
CURVED CARAPACE LENGTH: <input type="text"/> cm		WIDTH: <input type="text"/> cm
HEAD WIDTH: <input type="text"/> cm	AXIAL: <input type="text"/> cm	LATERAL: <input type="text"/> cm
TAIL LENGTH: T <input type="text"/> cm	C <input type="text"/> cm	
RIGHT FRONT FLIPPER WIDTH: <input type="text"/> cm	SAMPLES COLLECTED:	
PLASTRON LENGTH: <input type="text"/> cm		
WEIGHT: <input type="text" value="30.8"/> #		

Revised 04/04/01

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

Release

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/4/01

CAPTURE DATE, LOCATION AND METHOD:

Gordon via DOCARE off. David Kiawe	9-24-01	Nanakuli Beach Park, Oahu
PERSON RECORDING DATA: SME/KSM		

TUMOR SCORE

\emptyset

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

\emptyset

OLD TAGS:

NEW TAGS:

RHF	424F13311C
REF	
LRF	424D11302F
LRF	

STRAIGHT CARAPACE - LENGTH:

48.6 cm

WIDTH: 39.0 cm

NOTCH LENGTH:

48.4 cm

DB: \emptyset L.O.

VB: \emptyset L.O.

CURVED CARAPACE LENGTH:

51.5 cm

WIDTH: 45.0 cm

HEAD WIDTH:

7.7 cm

AXIAL: 18.2 cm

LATERAL: 18.1 cm

PPS: YES OR NO OR NE

N

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

8.5 cm

C 5.5 cm

SAMPLES COLLECTED:

~~RIGHT~~ FRONT FLIPPER WIDTH:

8.0 cm

PLASTRON LENGTH:

38.6 cm

WEIGHT:

28.7 #

DESCRIPTIVE REMARKS:

Moto tool "2F" on 2nd Lateral 1ft/right.
Released by SME/KSM on 10/4/01 at Kawaikui Beach Park.
Turtle Swam straight out.

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

07-01-99

KAHALA HILTON, CAPTIVITY ^{SKRM HAS copies for SLP file} ^{TDRS} CAPTIVE (SLP 1995 HATCH)

PERSON RECORDING DATA: SKRM

OLD TAGS:

11484 R23

NEW TAGS: RFL

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

LHF

RHF

41357B3232

4136350950

STRAIGHT CARAPACE-LENGTH:

72.3

WIDTH:

56.1

NOTCH LENGTH:

72.1

DB:

0

L.O.

VB:

0

L.O.

CURVED CARAPACE LENGTH:

78.0

WIDTH:

66.0

HEAD WIDTH:

11.4

SEX: MALE, FEMALE OR UNDETERMINED

U

PPS: YES OR NO OR NE

N

TAIL LENGTH:

T

18.0

c

13.0

RIGHT FRONT FLIPPER WIDTH:

11.2

SAMPLES COLLECTED:

PLASTRON LENGTH:

60.5

10cc blood taken:

7cc MRP plasma

WEIGHT:

136.0 #

banking

DESCRIPTIVE REMARKS:

Tag 11484 removed

Robust

4.9cc IM Iiquamycin

Released in front of Kahala ~~Hotel~~ Mandaian hotel, oahu

3cc SLP diagnostic

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

07-01-99	KAHALA HILTON, CAPTIVITY	CAPTIVE (SEP 1995 HATCHED)
PERSON RECORDING DATA: SKM		

OLD TAGS:	11483 R23	NEW TAGS: RFL	
		LFL	
TUMOR SCORE		OTHER NEW TAGS:	
0		LHF	4135340B63
		RAF	413E14211C

STRAIGHT CARAPACE-LENGTH: 71.6 WIDTH: 56.2

NOTCH LENGTH: 71.3 DB: 0 L.O. VB: L.O.

CURVED CARAPACE LENGTH: 77.0 WIDTH: 66.0

HEAD WIDTH: 10.5 SEX: MALE, FEMALE OR UNDETERMINED U

PPS: YES OR NO OR NE Y

TAIL LENGTH: T 19.0 C 14.0

RIGHT FRONT FLIPPER WIDTH: 11.3 SAMPLES COLLECTED:

PLASTRON LENGTH: 59.6 10cc blood taken:

WEIGHT: 132.0 # 7cc MTPP plasma biopsy
3cc SLP diagnostic

DESCRIPTIVE REMARKS:
 Tag 11483 close to edge, squeezed and made into ring
 4.9cc IM Iiquamycin
 Released in front of Kahala Mardalen hotel Oahu

Released by SKM on 10/1/01 at Kahala Mardalen hotel Oahu

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

07-01-99	KAHALA HILTON, CAPTIVITY	CAPTIVE (SLP 1997 HATCH)
PERSON RECORDING DATA: SKM		

OLD TAGS:	old have	NEW TAGS: RFL	
		LFL	
TUMOR SCORE		OTHER NEW TAGS:	LHF
0			413E2D136D 413E3D2148

STRAIGHT CARAPACE-LENGTH: 49.0 WIDTH:

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

CURVED CARAPACE LENGTH: WIDTH:

HEAD WIDTH: SEX: MALE, FEMALE OR UNDETERMINED U

PPS: YES OR NO OR NE

TAIL LENGTH: T C

RIGHT FRONT FLIPPER WIDTH: SAMPLES COLLECTED:

PLASTRON LENGTH: 	10 blood taken
WEIGHT: 	7 cc MTRP plasma bands DNA
	3 cc SLP diagnostic

DESCRIPTIVE REMARKS:

1.7cc IM Liguamycin
~~Put into pond mauka of~~
 Put into pond mauka of bridge (2 ponds connected together)
 Kahala

SEA TURTLE TAGGING FORM

APTURE DATE, LOCATION AND METHOD:

07-01-99	KATHALA HILTON, CAPTIVITY	CAPTIVE (SLIP 1997 HATCH)
PERSON RECORDING DATA: SKM		

OLD TAGS:	2F78 RFL <i>Mond 1</i>	NEW TAGS: RFL		
	XXXXXXXXXX		LFL	
TUMOR SCORE		OTHER NEW TAGS:	LHP	413508047B
0			RHP	413526445A

STRAIGHT CARAPACE-LENGTH: WIDTH:

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

CURVED CARAPACE LENGTH: WIDTH:

HEAD WIDTH: SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

TAIL LENGTH: T C

RIGHT FRONT FLIPPER WIDTH: SAMPLES COLLECTED:

PLASTRON LENGTH: 10cc blood taken:

WEIGHT: 7cc rtsp plasma bank DNA

DESCRIPTIVE REMARKS: 3cc SUP diagnostic

1.7cc IM Liguamycin
Put into pond nearest bar
Kathala



SEA LIFE PARK

HAWAII

Conserving Hawaii's Marine Life

41-202 Kalaniana'ole Hwy.

Waimanalo, Hawaii 96795

(808) 259-2531/2532 fax (808) 259-7373

Reef Life Memo

Date: 01 Jul 99
To: Dr. Levine
From: Larry Rostrata
RE: Kahala Mandarin new sea turtle stats

Sea Life Park Turtle Status

initials	tag number	weight (lbs)	carapace SL (cm)	notes/date
	ZF 78	39.5	48.1	xfer to Kahala Mandarin 01 Jul 99
	ZE 36	39	48.6	xfer to Kahala Mandarin 01 Jul 99
	ZF 77	16.5	35.7	SLP

These are the remaining turtles from the 1997 hatch group.

DATE FORM FILLED OUT 2121101

Loggerhead

CAPTURE DATE, LOCATION AND METHOD:

8-15-00	Larry & Teckla Lopez	Kaneohe Bay (Kahaluu), Oahu
PERSON RECORDING DATA: SME		

TUMOR SCORE
 0
 EMACIATION CODE

OLD TAGS:

NEW TAGS:

LFF 4135333A42
 RFL
 LFL 4136254866
 LHF

LFL Metal tag #11888

STRAIGHT CARAPACE - LENGTH: 47.1 cm WIDTH: 41.3 cm

NOTCH LENGTH: 46.4 cm DB: 0 L.O. VB: 0 L.O.

CURVED CARAPACE LENGTH: 50.0 cm WIDTH: 46.5 cm

HEAD WIDTH: 9.6 cm AXIAL: cm LATERAL: cm

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

TAIL LENGTH: T 10.8 cm C 7.0 cm

Left FRONT FLIPPER WIDTH: 7.9 cm SAMPLES COLLECTED:

PLASTRON LENGTH: 37.1 cm

WEIGHT: 30.7 #

DESCRIPTIVE REMARKS:

1.0cc LIQ

Taken to MAC by DET on 2-21-01 for release by Dr. Morris.

480x640 pixels

Subject: loggerhead release (fwd)

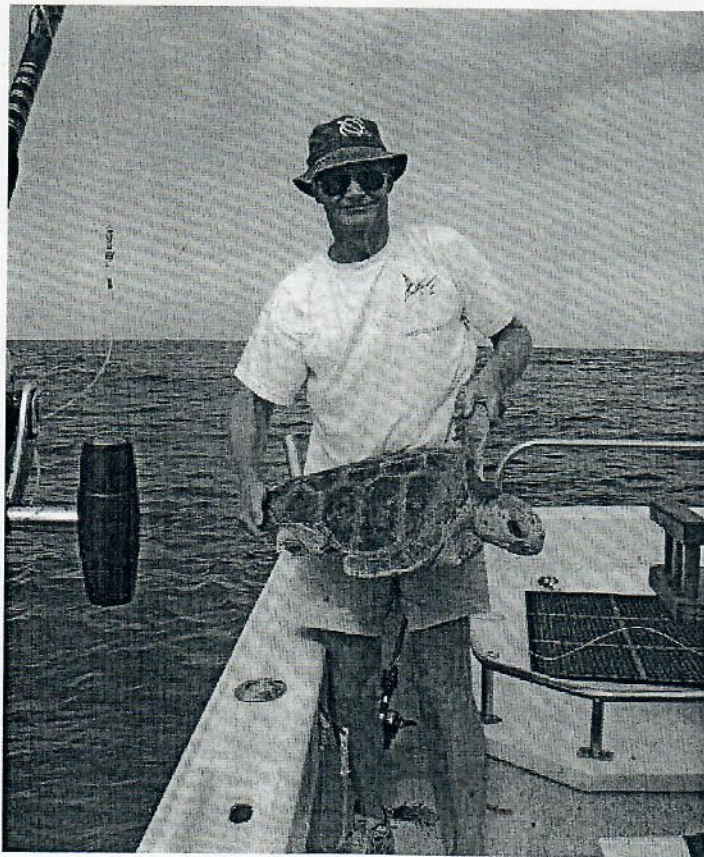
Date: Fri, 23 Feb 2001 12:25:33 -1000 (HST)

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

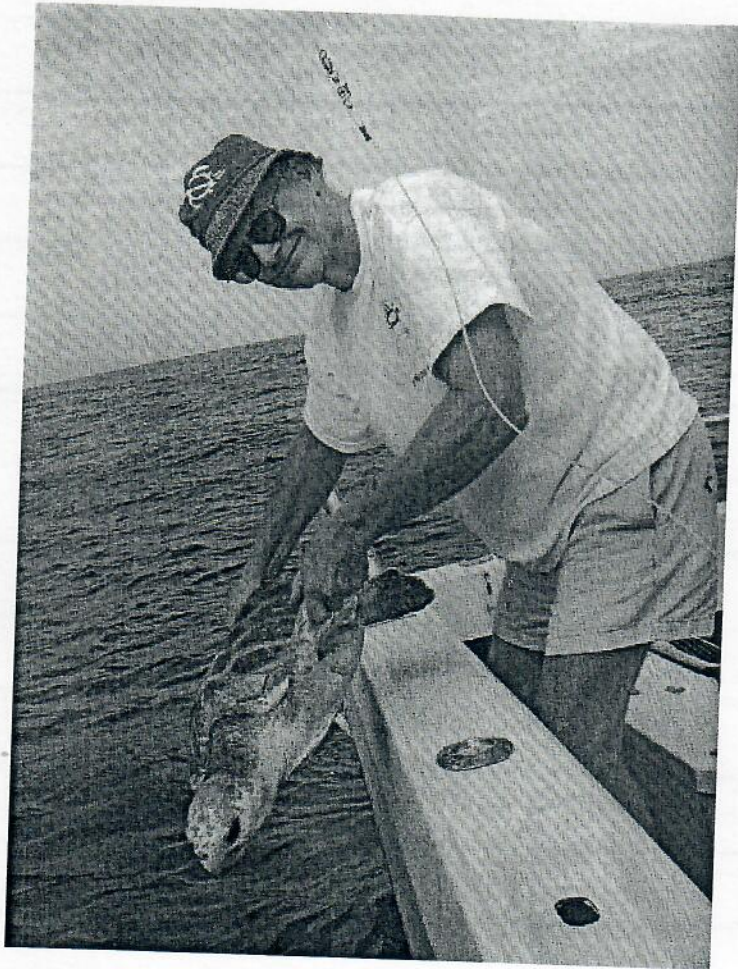
To: Shawn Murakawa2 <shawn.murakawa@noaa.gov>

```
*****  
*      George H. Balazs, Leader      *  
*      Marine Turtle Research Program *  
*      National Marine Fisheries Service *  
*      SWFSC Honolulu Laboratory      *  
*      2570 Dole Street               *  
*      Honolulu, Hawaii 96822-2396 USA *  
*      Tel: (808) 983-5733            *  
*      Fax: (808) 983-2902           *  
*      gbalazs@honlab.nmfs.hawaii.edu *  
*****
```

All went well on release 2/22/01



480x640 pixels



Released
LIVE TURTLE EXAMINATION RECORD

Date: 8/16/00 LOGGERHEAD
Turtle ID: Kahalaun - Blue body
Comments: 18.6 lbs missing limbs

PHYSICAL EXAM

Head and neck: normal

Mouth: normal

Eyes: Slightly sunken

Front flippers: left front missing - healed missing
RIGHT

Shell: part of R. shell missing
but healed - prob. stroke later

Plastron: sunken

Rear flippers: R rear missing - healed

Tail: normal

BODY CONDITION: moderate emaciation

SAMPLES TAKEN

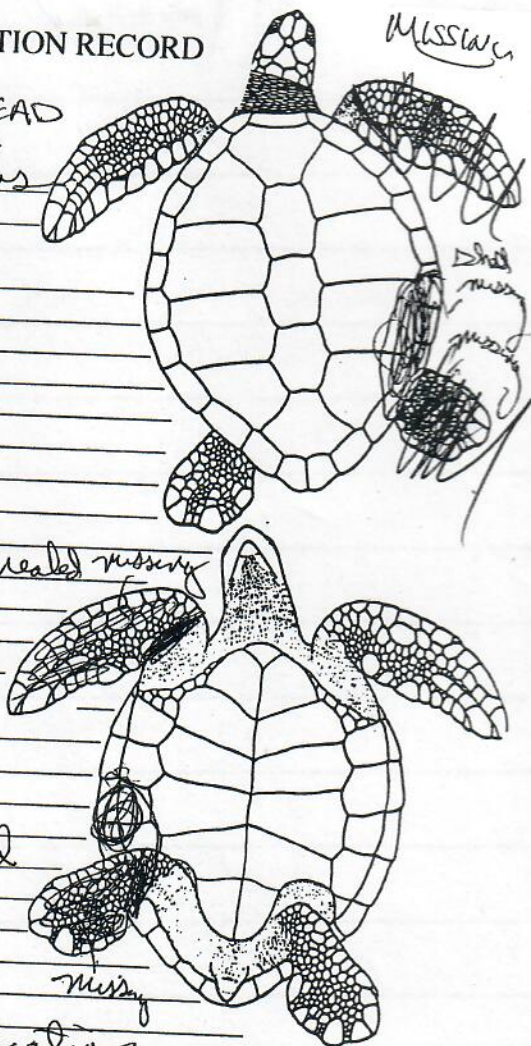
PCV 10 T.P. 1.4 wt 18.8
CBC Chemistries
Others see treatment sheet

APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: Severe anemia
emaciation - will by vitamins / AB / take
to Kowalski & discuss prognosis
Signed: Robert A. Moore

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



MEDICAL HISTORY - CLINICAL RECORD

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

DATE	TEMP	DESCRIPTION
8-16-00		1 cc Bunt IM 300 cc SD + Normal IP <input checked="" type="checkbox"/> 1 cc ADK IM 1 cc - Somy amoxicillin IM <input checked="" type="checkbox"/> Dispense 2 Somy amoxicillin to give on 8/18, 8/21, 8/23 Progress for Puy Leukocyte blood chem etc Send to Kewalo 8/17/00
8/18/00		blood + protein Puy ↓ albumin ↓ glob ↑ cells plus ↑ hup ↓ ca WBC normal chem PCV-13 - A) starvation - no apparent infection difficult for this turtle to make a living with 2 flippers missing on same side - wounds all healed no apparent infection eating at Kewalo after 1 day - will feed & see how does on Kewalo Puy
9/17/00		Rev wt / PCV - wt 19.2 lbs PCV 14 TP 3.0 1 cc Bunt IM 1 cc ADK IM

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME N MFS		ADDRESS			TELEPHONE	
PATIENT NAME	SPECIES	BREED LOOAH/WEAD	SEX	COLOR AND MARKINGS		
STERILIZED S O N O	BIRTHDATE	SPECIAL INFORMATION NO STRANDING 8/16/00	LAB	X-RAY		

DATE	TEMP	DESCRIPTION
11/24/00		Rechecked at Kaula - doing well vertical abrasions from rubbing on tanks -
1/23/01		checked at Kaula (R) doing well - growing - good appetite - discussed possibility of release offshore as best chance of survival -
2/21/01		wt 30.4 pc 4.9 into water for release at sea on 2/22/01
2/22/01		Released 12 M. off Kaula 2 MI BEYOND MM from buoy - approx - 3 PM - sea calm 5-10 K SW winds - (R) dove down - stayed down approx 1 MIN surfaced -

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			LOAVERUSAS	
	n = 53				
	Mean	±SD*	Range	6/16/00	11/17/00
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	1.9 ↓	4.3
Albumin (g dl)	1.7	0.4	0.6-2.2	.7 ↓	1.6
Globulin (g dl)	2.7	0.5	1.8-4.0	1.2 ↓	2.7
Albumin:Globulin ratio	0.6	0.2	0.2-1.2	.6	.6
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	6	7
ASAT* (U l)	158.4	41.5	1.0-270	243	190
Alkaline Phosphatase* (U l)	33.5	12.2	12-62	125 T	156 T
GGT* (U l)	2.7	1.5	0.0-5.0		
LDH* (U l)	203.8	180.4	55-1286		
Urea Nitrogen (BUN) (mg dl)	5.2	14.1	0.0-64.0	104	35
Creatinine (mg dl)	0.2	0.1	0.1-0.5	77 T	168 T
BUN:Creatinine Ratio	25.8	70.7	0.0-320.0	.2	.3
Uric Acid (mg dl)	1.3	0.8	0.0-4.5		
Calcium (mg dl)	9.1	1.7	1.1-12.1	1.9	.3
Phosphorus (mg dl)	8.2	1.3	5.9-11.8	5.8 F	7.9
Cholesterol (mg dl)	140.0	43.0	32-280	6.1	8.0
Triglycerides (mg dl)	124.2	68.7	28-331	224	
Glucose (mg dl)	114.7	35.0	64-234		
Iron (mcg dl)	46.3	64.8	9-321	566	161
Sodium (meq/l)	158.0	4.0	146-170	157	160
Potassium (meq/l)	5.2	0.9	3.9-8.6		
Chloride (meq/l)	115.2	5.7	103-130		
				2426	873
				8,300	16,000
				13	27

*Standard Deviation

*Alanine Amino Transferase

*Aspartate Amino Transferase

*Gamma Glutamyl Transpeptidase

*Lactic Dehydrogenase

CR
WBE
PCV.

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, KALALUU

REQ #: 2154274
AGE:
SPECIES:
BREED: SEATURTLE

SEX:
LAB #: B4607030
COLLECTED: 08/16/2000
RECEIVED: 08/17/2000 09:35
REPORTED: 08/17/2000 17:39

DOCTOR: MORRIS, R.

TEST PROCEDURES

REPTILIAN PROFILE #1

REPTILIAN PANEL #1

	RESULTS	REFERENCE RANGE	UNITS
ALK. PHOSPHATASE	125		
ALT (SGPT)	6		IU/L
AST (SGOT)	243		IU/L
CK	2426		IU/L
LDH	104		IU/L
ALBUMIN	0.7		IU/L
TOTAL PROTEIN	1.9		g/dL
GLOBULIN	1.2		g/dL
BUN	77		g/dL
CREATININE	0.2		mg/dL
CHOLESTEROL	224		mg/dL
GLUCOSE	86		mg/dL
CALCIUM	5.8		mg/dL
PHOSPHORUS	6.1		mg/dL
POTASSIUM	3.6		mg/dL
SODIUM	157		mEq/L
A/G RATIO	0.6		mEq/L
URIC ACID	1.9		mg/dL
AVIAN/EXOTIC CBC AND PLASMA PROTEIN			mg/dL
* WBC COUNT	8.3		
* HCT	13.0		THOUS.
* HETEROPHILS	68		%
* NEUTROPHIL SEG	1		%
* LYMPHOCYTES	31		%
* ABSOLUTE HETEROPHIL	5644		%
* ABSOLUTE NEUTROPHIL SEG	83		MM3
* ABSOLUTE LYMPHOCYTE	2573		/uL
* THROMBOCYTES	ADEQUATE		/uL
* BLOOD PARASITES			
NO PARASITES SEEN			
* REMARKS			
NEUTROPHILS = AZUROPHILS			
FEW REACTIVE LYMPHS PRESENT			

NMFS, KALALUU

*** FINAL REPORT ***

BATCH #: 006

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, LOUGERHEAD

REQ #: 2154153
AGE:
SPECIES:
BREED: TURTLE

SEX:

LAB #: B5827566
COLLECTED: 11/17/2000
RECEIVED: 11/18/2000 13:20
REPORTED: 11/21/2000 11:28

DOCTOR:

TEST PROCEDURES

REPTILIAN PROFILE #1

REPTILIAN PANEL #1

* ALK. PHOSPHATASE

* ALT (SCPT)

* AST (SCOT)

* CK

* LDH

* ALBUMIN

* TOTAL PROTEIN

* GLOBULIN

* BUN

RESULT VERIFIED BY REPEAT ANALYSIS

* CREATININE

* CHOLESTEROL

* GLUCOSE

* CALCIUM

* PHOSPHORUS

* POTASSIUM

* SODIUM

* A/C RATIO

* URIC ACID

AVIAN/EXOTIC CBC AND PLASMA PROTEIN

* WBC COUNT

* HCT

* HETEROPHILS

* NEUTROPHIL SEG

* LYMPHOCYTES

* ABSOLUTE HETEROPHIL

* ABSOLUTE NEUTROPHIL SEG

* ABSOLUTE LYMPHOCYTE

* THROMBOCYTES

* POLYCHROMASIA

* BLOOD PARASITES

NO PARASITES SEEN

REMARKS

TWO TECH REVIEW: POSSIBLE BASOPHILIC STIPPLING PRESENT, TO BE
CONFIRMED BY DR. JOSEPH, SLIDE TO BE REVIEWED BY DR. JOSEPH OR DR.
NMFS, LOUGERHEAD REPORT CONTINUED ON NEXT FORM

RESULTS

REFERENCE RANGE UNITS

156

7

190

873

35

1.6

4.3

2.7

168

0.3

211

161

7.9

8.0

4.3

160

0.6

0.3

16.0

27.0

76

16

8

12160

2560

1280

ADEQUATE

SLIGHT

IU/L

IU/L

IU/L

IU/L

IU/L

g/dL

g/dL

g/dL

mg/dL

mg/dL

mg/dL

mg/dL

mg/dL

mg/dL

mEq/L

mEq/L

mEq/L

mg/dL

THOUS.

%

%

%

%

MM3

/uL

/uL

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, LOUGERHEAD

REQ #: 2154153
AGE:
SPECIES:
BREED: TURTLE

LAB #: B5827566
SEX: COLLECTED: 11/17/2000
RECEIVED: 11/18/2000 13:20
REPORTED: 11/21/2000 11:28

DOCTOR:

TEST PROCEDURES

RESULTS

REFERENCE RANGE UNITS

REAVILL. SLIDES ARE REVIEWED ON TUES AND THURS. PLEASE CALL CUSTOMER
SERVICE IF REVIEW IS NEEDED SOONER.
SLIDE REVIEWED BY DR JOSEPH. THERE IS A SMALL AMOUNT OF BASOPHILIC
STIPLING IN SOME OF THE RETICS. THE SIGNIFICANCE IS UNKNOWN. NOT OFTEN
RELATED TO LEAD TOXICITY. DR J.
FEW REACTIVE LYMPHS PRESENT
NEUTROPHILS = AZUROPHILS
* RETICULOCTE ESTIMATE 1+

NMFS, LOUGERHEAD

*** FINAL REPORT ***

BATCH #: 001

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

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 8/16/00

NECROPSY DATE: / / MTRP STRANDING ID 8-15-00

CONTACT: Larry Lopez	DATE: 8-15-00	LOCATION: Kahala'u, Oahu
PERSON RECORDING DATA: EB		

DESCRIPTIVE REMARKS:

- missing RFF + RHF -> also partial R. hand side of carapace (old/healed injury)
- eyes sucked in
- inside mouth is black (possibly from mud?)
- mild emac.

~~*Give Ridley*~~

TUMOR SCORE:

TAGS:

/
/

SEX: Male, Female or Undetermined

DB:

VB:

STRAIGHT CARAPACE - LENGTH:

41.3 cm

WIDTH:

35.4 cm

NOTCH LENGTH:

40.7 cm

PPS (Y/N):

yes

CURVED CARAPACE LENGTH:

44.0 cm

WIDTH:

42.5 cm

HEAD WIDTH:

8.7 cm

TAIL LENGTH: T

7.0 cm

C

5.5 cm

Left

RIGHT FRONT FLIPPER WIDTH:

7.8 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

33.5 cm

WEIGHT:

#

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

MTRP USE ONLY: 2000
TDPS: 24 AUG 2000
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. Murakawa x5731, S. Eames x5747, L. Arnone x5747, 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: 8/15/00 10:40 AM

Name: Larry Lopez & Teckla Lopez
Full mailing address: (optional - to send sea turtle literature)
47-661 Kam Hwy

Phone: 239-2001 *247-3553
****VERY IMPORTANT**** Call First

Location: Kaneohe, HI 96744

Where is this turtle located? 47-661 KAM Hwy, Kaneohe (Kahaluu) Map #36

Located in shallow water 10' deep. 5-10yds from shore.

How close is it to the nearest vehicle access way? USF drive way.

Turtle

Is the turtle alive or dead? A Uncertain

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

Turmored? Yes No unknown

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

"Best guess" of the weight of the turtle? 75 lbs. 250 lbs. 50 lbs. 100 lbs. 200 lbs.

(or circle one above)

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

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

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: SEAN

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

Revised 02/08/01

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/11/01

Released KBTy Beach Park
3/12/01 by SE and SL
3:30 pm. off
Susan
5/1/01

CAPTURE DATE, LOCATION AND METHOD:

9-4-00	Ken Nichols via Eileshea LeRand (SSG)	Haleiwa, Oahu
PERSON RECORDING DATA:		

TUMOR SCORE	LRF	500F20427A	RFL	
2	RHF	502E63400D	LFL	
EMACIATION CODE				
0				

STRAIGHT CARAPACE - LENGTH: 68.8 cm WIDTH: 53.3 cm

NOTCH LENGTH: 68.1 cm DB: — L.O. VB: — L.O.

CURVED CARAPACE LENGTH: 73.0 cm WIDTH: 68.0 cm

HEAD WIDTH: — cm AXIAL: — cm LATERAL: — cm

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

TAIL LENGTH: T 14.0 cm C 9.0 cm

RIGHT FRONT FLIPPER WIDTH: — cm

PLASTRON LENGTH: 55.5 cm

WEIGHT: 94.4 #

DESCRIPTIVE REMARKS: gain

SAMPLES COLLECTED: 3/9/01 Blood at MAC for Plasma bank, DNA, CBC and Chemistry.

4.3 cc LIFQ 3/9/01

4.3 cc LIFQ 3/9/01

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	2				2	
LEFT EYE	1	1			2	
MOUTH		2			2	1 each jaw hinge
NECK	7	4			11	
RFF	1	1			2	
LFF	4				4	
RHF						
LHF		1			1	
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL						

OTHER INFORMATION:

3/12/01 Tumors that were cryofrozen are completely gone - pink scars only, no photos.

4 tumor count referred from last count as 9/22/00

TUMOR SCORE: 2

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

23 SEP 2000

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 9/22/00

NECROPSY DATE: / /

MTRP STRANDING ID

9-4-00

Haleiwa

CONTACT: _____ DATE: 9/22/00 LOCATION: _____
PERSON RECORDING DATA: BAARS

DESCRIPTIVE REMARKS:
9/22 3x each 3 #2 tumors RFL
Cryofreeze on dorsal RFF
Shoulder,
Turtle moved to "seal tanks" under
care of J. Swimmer and R. Brill.
Test plate given to carapace 9/22 by
Swimmer

TUMOR SCORE:
2

new LFF
TAGS: 500F20427A
502E63480D

SEX: Male, Female or Undetermined U

DB: 0 VB: 0

STRAIGHT CARAPACE - LENGTH: 66.9 cm WIDTH: 52.3 cm
NOTCH LENGTH: 66.2 cm PPS (Y/N):
CURVED CARAPACE LENGTH: 72.5 cm WIDTH: 64.5 cm
HEAD WIDTH: 10.2 cm
TAIL LENGTH: T 12.5 cm c 8.0 cm
RIGHT FRONT FLIPPER WIDTH: cm
PLASTRON LENGTH: 53.9 cm
WEIGHT: 80.6 lbs

SAMPLES COLLECTED:
PRINT
Photos

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	2				2	
LEFT EYE	1	1			2	
MOUTH		2			2	1#2 RSH 1#2 LSH
NECK	7 ₀₁	4 ₂₂			11	
RFF	2	4			6	1#1 RFL 3#2 cryofreeze treatment tumors
LFF	4				4	
RHF						
LHF		1			1	
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL	16	12			28	

OTHER INFORMATION:

TUMOR SCORE:

2

APPROXIMATE TUMOR SIZE CATEGORIES:

#1 = DETECTABLE PATCH TO 1cm DIAMETER

#2 =>1cm TO 4cm

#3 =>4cm TO 10cm

#4 =>10cm

06 SEP 2000

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 9/5/00

NECROPSY DATE: / / MTRP STRANDING ID 9-4-00

CONTACT: Ken Nichols via Filiesha LeRand (SSG)	DATE: 9-4-00	LOCATION: Haleiwa, Oahu
PERSON RECORDING DATA: SME/DET		

DESCRIPTIVE REMARKS: Turtle caught by Ken Nichols in water on dive. Brought to shore and pln by Filiesha (SSG). Taken to MAC. pln by SME/DET on 9-5-00 and taken to NMFS-KRF. Transferred to Konat Swimmer / Rich Brill for bait study on 9-22-00.

Old injury on LFF caused by ~~injury~~ entanglement of fishing line
CA, PCA
Leech eggs on neck
Leeches on mouth

TUMOR SCORE:

TAGS:

need to check

SEX: Male, Female or Undetermined

DB:

VB:

STRAIGHT CARAPACE - LENGTH:

67.2 cm

WIDTH:

52.6 cm

NOTCH LENGTH:

67.0 cm

PPS

(Y/N):

N

CURVED CARAPACE LENGTH:

72.5 cm

WIDTH:

65 cm

HEAD WIDTH:

10.1 cm

TAIL LENGTH: T

~~14.0~~ 14.0 cm

c

9.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

11.8 cm

PLASTRON LENGTH:

54.1 cm

WEIGHT:

84.6 #

9-22-00: 100-19.4 = 80.6 #

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	2				2	1 number 1 in each corner
LEFT EYE	2				2	1 # 1 in each corner
MOUTH	2				2	1 # 1 RJH 1 # 1 LTH
NECK	13				13	
RFF	9	1			10	
LFF	3				3	
RHF						
LHF	1				1	
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL	32	1			33	

OTHER INFORMATION:

TUMOR SCORE:

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

9400 Released

LIVE TURTLE EXAMINATION RECORD

Date: ^{KRF time} 9/4/00 X-ray # 415

Turtle ID: Ken Nichols N. Shore

Comments: CAUGHT IN WATER ON DIVING PROBLEM?

PHYSICAL EXAM

Head and neck: some nasal discharge - clear patches of tumors on neck

Mouth: no tumors seen - Swelling

Eyes: small tumors on R & L eyes and used

Front flippers: left - old injury - line stimulation? joint feels frozen - distal part swollen - use in question - R - neck of tumor at base

Shell: normal

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

PCV 24 T.P. 4.2 wt - 84.6

CBC _____ Chemistries _____

Others X-ray flipper

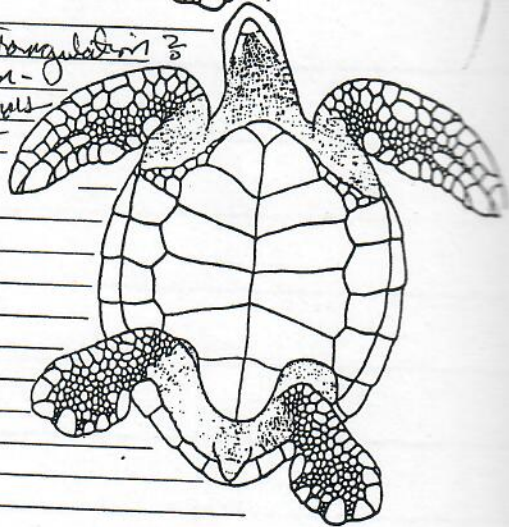
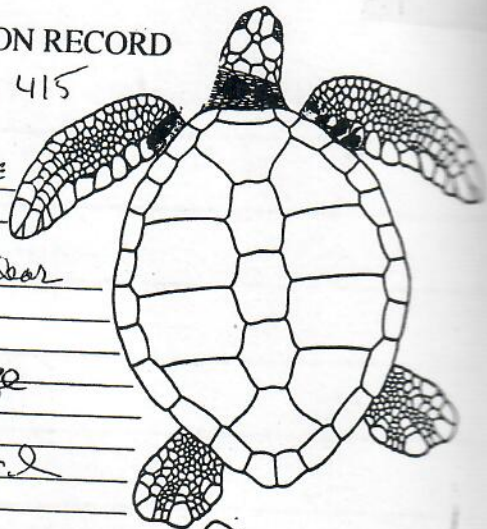
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: X-ray - done intact - question of circulation to distal of flipper swollen at base - possible amputation? evaluate in water

Signed: R. M. Mous DVM

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



L



R

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME NMFS		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
10/4/00		This turtle is being used for research - tumors were found by C-B and observed and then made at Nereus Boy kept in tanks #1 - Kewalo It is eating very well K.M
3-9-01		in clinic for discharge start blood work up -
		WT 94.4 WT 94.4 Tumors about same perhaps some increase good body condition some bilateral jaw large tumors around side - Blood work ok
3/11/01		Blood mostly normal/ a few T values but OK for release
		Released K-boy 3/12/01 P

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			Ken Medala (9/4/00)			
	n = 53						
	Mean	±SD*	Range				
Straight Carapace Length	45.3	4.8	37.4-55.2	3/9/01			
Weight	14.1	4.7	7.7-25.4				
Protein (g dl)	4.2	0.6	2.9-5.6	5.7			
Albumin (g dl)	1.7	0.4	0.6-2.2	1.5			
Globulin (g dl)	2.7	0.5	1.8-4.0	4.2			
Albumin:Globulin ratio	0.6	0.2	0.2-1.2	1.4			
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	27			
ASAT* (U l)	158.4	41.5	1.0-270	295 ↑			
Alkaline Phosphatase (U l)	33.5	12.2	12-62	38			
GGT* (U l)	2.7	1.5	0.0-5.0				
LDH† (U l)	203.8	180.4	55-1286	300			
Urea Nitrogen (BUN) (mg dl)	5.2	14.1	0.0-64.0	88 ↑			
Creatinine (mg dl)	0.2	0.1	0.1-0.5	1.4			
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			
Calcium (mg dl)	9.1	1.7	1.1-12.1	5.2 ↓			
Phosphorus (mg dl)	8.2	1.3	5.9-11.8	11.4			
Cholesterol (mg dl)	140.0	43.0	32-280	105			
Triglycerides (mg dl)	124.2	68.7	28-331				
Glucose (mg dl)	114.7	35.0	64-234	107			
Iron (mcg dl)	46.3	64.8	9-321				
Sodium (meq l)	158.0	4.0	146-170	156			
Potassium (meq l)	5.2	0.9	3.9-8.6	4.5			
Chloride (meq l)	115.2	5.7	103-130				
*Standard Deviation							
*Alanine Amino Transferase							
*Aspartate Amino Transferase							
*Gamma Glutamyl Transpeptidase							
*Lactic Dehydrogenase							

CPK
WBS
PCV

11,306

16,100

27

Case # 486

* 2 entries *

Agent: Filiesha

Date: Sept. 4/00

Called by: Pat Nicholas Johnson

Call rec'd by: 9:39 am on site: 11:00

Location: Hahione - Dive Shop

N. shore Diving Ha

#637-7946

Status: Live

tags: @

tumors: ✓

cd: 70cm

spp: grn

Turtle was brought up on boat by Ken Nichols - transported to dive shop. Left flipper severely severed at joint (looks like tightly wrapped fishing line to the bone) small tumors on eyes, neck & front flipper. Took to MAE.

28 FEB 2001

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 2/17/01 * 2 entries

NECROPSY DATE: / / MTRP STRANDING ID 10/01/00

CONTACT: Lani Mitchell	DATE: 10-01-00	LOCATION: Heeia Pier, Oahu
PERSON RECORDING DATA: <u>GHB</u>		

DESCRIPTIVE REMARKS:
TO A2 2/16/01 late am.
Released KBay Beach Park
240PM 2/17/01
Crack swam out rapidly and disappeared.
2 print photos. No buoyancy whatsoever
LH (new) 500E422D3E
RH (new) 501A07745F
Small extra scute present
anterior edge of plastron on left center

TUMOR SCORE: 1 TAGS: SEX: Male, Female or Undetermined over 3

EMACIATION CODE: 0 DB: 0 VB: 0

STRAIGHT CARAPACE - LENGTH: 59.7 cm WIDTH: 47.0 cm

NOTCH LENGTH: 59.0 cm PPS (Y/N):

CURVED CARAPACE LENGTH: 63.0 cm WIDTH: 56 cm

HEAD WIDTH: 9.5 cm AXIAL: 21.5 cm LATERAL: 22.0 cm

TAIL LENGTH: T 14 cm more close C 10 cm
collected several days ago
SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: cm
PLASTRON LENGTH: 48.3 cm
WEIGHT: 61.5 lbs
blood for plasma bank, DNA and R. Brillolacton DNA Research

4.0 LIQ

LOCATION, SIZE, AND NUMBER OF TUMORS

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

Partially
Removed

Surgically
removed
on 2-6-01
by MAC

OTHER INFORMATION:

Cast ant. broke
injection
given
2/17/01

New ATSL

TUMOR SCORE:

1

APPROXIMATE TUMOR SIZE CATEGORIES:

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

TO REF 2-7-01 surgery on 2-6-01 - 1-#4 PFF ^{convey} ~~convey~~
 1-#2 left eye partial removal
 MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME HEE KEA PIER		ADDRESS			TELEPHONE	
PATIENT NAME		SPECIES	BREED	SEX	COLOR AND MARKINGS	
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION STRAND (2) 10-1-00 10/2/00		LAB	X-RAY	
DATE	TEMP	DESCRIPTION				
2/6/01		Seen at Kewalo - now gets down on bottom Consider release - in to remove tumors - Surgery - initial Sevoflurane 6% 47mm TC subglacial plane maintain at 4% Surg removed #4 tumor Right trading edge of front flipper - sclera - 5cm (C) ¹⁰ 2-d vessel - skin 1-0 very milky good closure Surg removed tumor #1 on Right eye - conjunctiva Surg removed #2 tumor - sclera & conjunctiva left eye - tumor involving sclera & part of Cornea - debrided - #1 tumor left medial canthus removed (C) #2 tumor lateral eye margin removed left front flipper - no closed - left open - turned off gas - 150mm Hg at start Surg time 75min started moving 20 min after gas turned off apply 30mm after gas off & bathing air - Rx - Cymbasa 150mg IM 75mg - IM on 2/9, 2/12, 2/15, 2/19 (5) warm David 2cc IM - for Kewalo				
WT 62.4 lbs w/o tumor						
Tumor wt						
2/7/01		send to Kewalo -				

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME N MFS		ADDRESS			TELEPHONE	
PATIENT NAME HEEKKA PUKK		SPECIES PUP	BREED 10/2/02	SEX	COLOR AND MARKINGS	
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION		LAB	X-RAY	

DATE	TEMP	DESCRIPTION
10/18/03		<p>called to check on turtle did not receive AB injections - were put away & no one knew about it - told to give on 10/20, 10/23 and Rev at Malpas 10/24 for X-ray - CBC Recheck -</p> <p style="text-align: right;">(P)</p>
10/24/03		<p>Rev at Malpas still floats - eating wt 51.8 lbs wt gain 1.2 lbs -</p> <p>X-ray on Mass - abdomen Mass not evident on RAD'S shadow of possible dissolved mass on Left Side / and/or area on R Side. Colonoscopy: able to see bladder / up colon 40 cm small stones - intestinal wall normal P) send tests to Kewalo 10/25 - Japan AB Amelion -</p> <p>(P) 10/26, 10/29, 11/1, 11/4, 11/7</p> <p>could not get blood w/ dry next weeks</p> <p style="text-align: right;">(P)</p>

LIVE TURTLE EXAMINATION RECORD

Date: 10/2/00
Turtle ID: HIKAI KAA PIER - LANI MITCHELL
Comments: CAUGHT BY DIVERS WITH NET ENTANGLEMENT WT-

PHYSICAL EXAM

Head and neck: normal

Mouth: no tumors

Eyes: left tumor #2, closed

Front flippers: Right - #4 tumor
Left #2 tumor

Shell: normal

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

PCV 28 T.P. 2.0 wt 50.6
CBC _____ Chemistries _____
Others _____

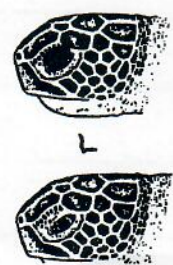
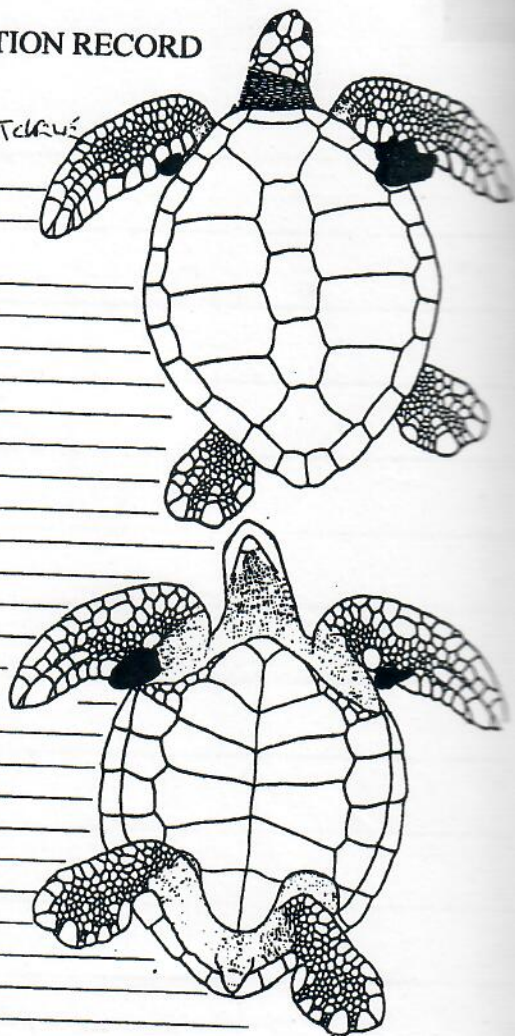
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: observe in tanks - options
1) release 2) surgery 3) cryo on breast tumors & release -

Signed: Robert A. Walls

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



06 OCT 2000

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 10/2/00

NECROPSY DATE: / / MTRP STRANDING ID 10-1-00A

CONTACT: Lani mitchel Jim Filiesha Lerand (SSG)	DATE: 10-1-00A	LOCATION: HEEIA, Pier Kaa, Oahu
PERSON RECORDING DATA: SGL		

DESCRIPTIVE REMARKS:
- Found in net off pier by scuba divers. Released But did not dive
- Left side High, Right side Low
Plu by SGL and taken to NMFS-KRF on 10-02-00
Taken to Makai Animal Clinic on 10-04-00, then transferred to NMFS-KRF on 10-06-00
Taken to MAC on 10-24-00, then transferred to NMFS-KRF on 10-25-00.
Given 1.5cc Anikacin injections (75mg) on 10-20, 10-23, 10-26, 10-27, 10-30, 11-01, 11-03, 11-06
Plu by DET on 2-5-01 and taken to MAC for surgery. 2/9, 2/12, 2/15

TUMOR SCORE:

2

TAGS:

SEX: Male, Female or Undetermined

DB:

0

VB:

3

STRAIGHT CARAPACE - LENGTH:

58.5 cm

WIDTH: 58.2 cm

NOTCH LENGTH:

62.5 cm

PPS (Y/N):

Y

CURVED CARAPACE LENGTH:

63.5 cm

WIDTH: 56.5 cm

HEAD WIDTH:

8.4 cm

TAIL LENGTH: T

13.5 cm

C

9.0 cm

RIGHT FRONT FLIPPER WIDTH:

9.1 cm

SAMPLES COLLECTED:

Blood taken for DNA

PLASTRON LENGTH:

47.5 cm

and plasma banking

WEIGHT:

50.6 #

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE						
LEFT EYE		1			1	Ringing 20% vision
MOUTH						
NECK						
RFF			1	1	1	
LFF		1			1	
RHF						
LHF						
CLOACA/TAIL						
SEAMS/SCUTES						
INTERNAL						
TOTAL		2		1	3	

OTHER INFORMATION:

Surgery on 2-6-01 by Dr. Morris to remove 1#4 RFF and partial removal of 1#2 Lft. eye.

Plu by GHB on 2-7-01 and taken to NMFS-KRF.

Blood taken for DNA and plasma banking on 2-13-01 by GHB.

TUMOR SCORE: 2

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

Case # 448

Agents Filiesha

/ 06 OCT 2000

Date: Oct. 1/00A

Called by: Docare (Shane)

Call rec'd by: 3:42 on site: 500

Call reported by: Lani Mitchell

Location: Heeia Pier Kaneohe

637-1993

Status: Live

tags: @ tumors: ✓

CDL: 61cm

Sp. : Grn.

Divers spotted turtle caught in net & freed it. Noticed that it couldn't dive down so brought it on boat. Tumors on eyes & right front flipper. Took to MRC.

Revised 02/08/01

SEA TURTLE TAGGING FORM

7:9 AM 2001

DATE FORM FILLED OUT 3/11/01

Released KBT Beach Park 3/12/01 by SE SL
Suano off strong 333px

CAPTURE DATE, LOCATION AND METHOD:

Kaneohe Bay ID 10/3/00 Reef 42
Hand/ Snorkel

PERSON RECORDING DATA:

TUMOR SCORE LHF 1 LFF 0
EMACIATION CODE 0

OLD TAGS:
40172D7E3F
1F6C4F2303

NEW TAGS:
36 Very Readable

STRAIGHT CARAPACE - LENGTH:

63.5 cm

WIDTH:

51.9

NOTCH LENGTH:

63.3 cm

DB:

3 L.O.

VB:

— L.O.

CURVED CARAPACE LENGTH:

68.0 cm

WIDTH:

62.3

HEAD WIDTH:

— cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

N

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

16.5 cm

C

10.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

53.2 cm

WEIGHT:

92.1 #

DESCRIPTIVE REMARKS:

15lb gain

3/9/01
Blood at MAC
for Plasma Bank, ~~300~~
~~300~~ SNA CBC
and Chemistry

3.6 cc LIQ 3/9/01

11.3
11.3
11.3

Small anterior

[19 MAR 2001]

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	1	1				#2 posterior
LEFT EYE	1					Anterior
MOUTH						
NECK						
RFF						
LFF						
RHF	1					
LHF	3					
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL	6	1			7	

OTHER INFORMATION:

TUMOR SCORE: 1

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

4

SEA TURTLE TAGGING FORM

EO 121 200

CAPTURE DATE, LOCATION AND METHOD:

Kaneohe Bay 10/3/00 Reef 42
PERSON RECORDING DATA: SME Hand / Snorkel

OLD TAGS: LIF 4017207E3P NEW TAGS: RFL
LFL

TUMOR SCORE 1
KFLC4F2303 OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH: 60.0 WIDTH: 48.5

NOTCH LENGTH: 59.7 DB: 8 L.O. VB: 31 L.O.

CURVED CARAPACE LENGTH: 65.5 WIDTH: 60.0

HEAD WIDTH: 9.4 SEX: MALE, FEMALE OR UNDETERMINED U

PPS: YES OR NO OR NE Y Blood for Biochem and CBC by MAC

TAIL LENGTH: T 14 c 8.5

RIGHT FRONT FLIPPER WIDTH: — SAMPLES COLLECTED:

PLASTRON LENGTH: 50.0 Blood dots

WEIGHT: 77.0

DESCRIPTIVE REMARKS:

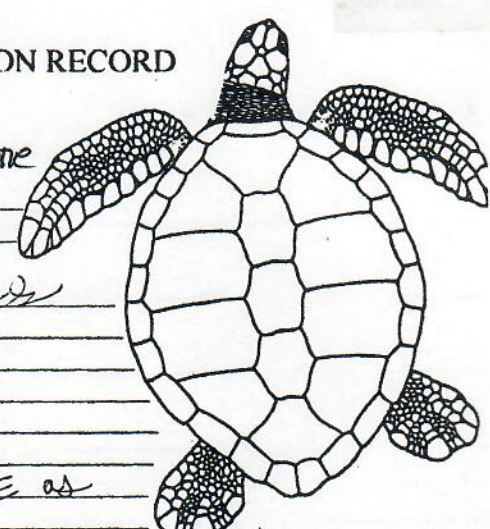
8/2 77/15
#2 posterior Rt. eye #1 anterior left eye
for Y. Summer/R. Mill study plate glued

10/14/00 Motopool "3F" 2nd lateral Right

Released

ID: 10-3-00 LIVE TURTLE EXAMINATION RECORD

Date: 3/9/01 11:30 AM KRF
Turtle ID: 3F 3F chrysochloris study turtle
Comments: 92.1 LBS



PHYSICAL EXAM

Head and neck: patch of tumor on neck

Mouth: normal

Eyes: (2) #2 tumor SAME SIZE as R #1 tumor - entry

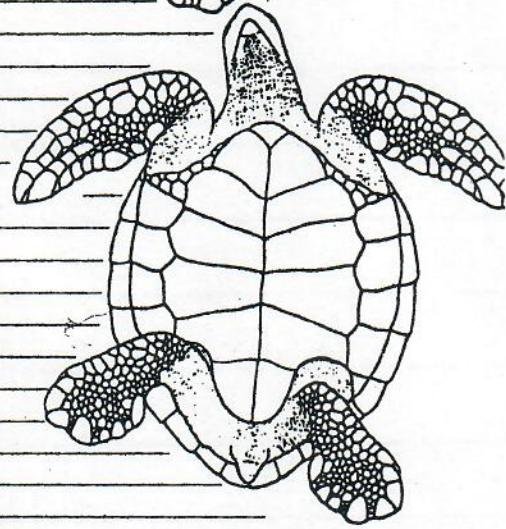
Front flippers: normal

Shell: normal

Plastron: normal

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

Tail: normal



BODY CONDITION: good

SAMPLES TAKEN

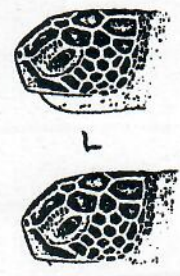
PCV _____ T.P. _____
CBC Chemistries
Others _____

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

RECOMMENDATIONS: release after blood evaluation

Signed: LaVoss

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



MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME		ADDRESS		TELEPHONE
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PATIENT NAME 3-7	SPECIES	BREED	SEX	COLOR AND MARKINGS
---------------------	---------	-------	-----	--------------------

ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION	LAB	X-RAY
---	-----------	---------------------	-----	-------

DATE	TEMP	DESCRIPTION
10-3-00		K BAY - BROUGHT IN FOR RESEARCH WT 7.7 lbs NO blood results not stamped by me at entry. Cryo
3/9/01		Ready for release eye tumors and other small tumors WT 92.1 lbs physical & blood taken for chem Blood work up OK Some ↑ in values -- BUN (diet?) OK for release - stamped by me on tumor P
		Released K-Bay - 3/12/01 P

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				
	n = 53				
	Mean	±SD*	Range	10/4/00	3/9/01
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	4.4	6.1
Albumin (g dl)	1.7	0.4	0.6-2.2	1.4	1.8
Globulin (g dl)	2.7	0.5	1.8-4.0	3.0	4.3
Albumin/Globulin ratio	0.6	0.2	0.2-1.2	0.5	.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	4	12
ASAT* (U l)	158.4	41.5	1.0-270	146	315 ↑
Alkaline Phosphatase (U l)	33.5	12.2	12-62	25	39
GGT* (U l)	2.7	1.5	0.0-5.0		
LDH* (U l)	203.8	180.4	55-1286	298	1108 ↑
Urea Nitrogen (BUN) (mg dl)	5.2	14.1	0.0-64.0	1	92 ↑
Creatinine (mg dl)	0.2	0.1	0.1-0.5	0.2	.4
BUN/Creatinine Ratio	25.8	70.7	0.0-320.0		
Uric Acid (mg dl)	1.3	0.8	0.0-4.5	1.1	1.6
Calcium (mg dl)	9.1	1.7	1.1-12.1	8.7	6.0
Phosphorus (mg dl)	8.2	1.3	5.9-11.8	6.6	10.1
Cholesterol (mg dl)	140.0	43.0	32-280	204	171
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	121	116
Sodium (meq/l)	158.0	4.0	146-170	150	158
Potassium (meq/l)	5.2	0.9	3.9-8.6	4.8	5.0
Chloride (meq/l)	115.2	5.7	103-130		
*Standard Deviation				4362	11,406
*Alanine Amino Transferase				6700	10,200
*Aspartate Amino Transferase				20	20
*Gamma Glutamyl Transpeptidase					
*Lactic Dehydrogenase					

*Standard Deviation

*Alanine Amino Transferase

*Aspartate Amino Transferase

*Gamma Glutamyl Transpeptidase

*Lactic Dehydrogenase

CPK

WBC

PCV

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,3F

REQ #: 1904833
AGE: SEX:
SPECIES: REPTILE
BREED: SEA TURTLE

LAB #: L5740320
COLLECTED: 03/09/2001
RECEIVED: 03/10/2001 07:22
REPORTED: 03/10/2001 09:08

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

	RESULTS	REFERENCE RANGE	UNITS
ALK. PHOSPHATASE	39		IU/L
ALT (SGPT)	12		IU/L
AST (SGOT)	315		IU/L
CK	11406		IU/L
LDH	1108		IU/L
ALBUMIN	1.8		g/dL
TOTAL PROTEIN	6.1		g/dL
GLOBULIN	4.3		g/dL
BUN	92		mg/dL
CREATININE	0.4		mg/dL
CHOLESTEROL	171		mg/dL
GLUCOSE	116		mg/dL
CALCIUM	6.0		mg/dL
PHOSPHORUS	10.1		mg/dL
POTASSIUM	5.0		mEq/L
SODIUM	158		mEq/L
A/G RATIO	0.4		
URIC ACID	1.6		mg/dL
AVIAN/EXOTIC CBC AND PLASMA PROTEIN			
* WBC COUNT	10.7		THOUS.
* HCT	30.0		%
* HETEROPHILS	61		%
* NEUTROPHIL SEG	3		%
* LYMPHOCYTES	30		%
* MONOCYTES	1		%
* ABSOLUTE HETEROPHIL	6527		MM3
* ABSOLUTE NEUTROPHIL SEG	321		/uL
* ABSOLUTE LYMPHOCYTE	3210		/uL
* ABSOLUTE MONOCYTE	107		/uL
* THROMBOCYTES	ADEQUATE		
* BLOOD PARASITES			
NO PARASITES SEEN			
* REMARKS			
NEUTROPHILS = AZUROPHILS			
CELLS DO NOT APPEAR TOXIC OR REACTIVE			
NMFS,3F			

REPORT CONTINUED ON NEXT FORM

REPRINT

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, 3F

REQ #: 2154122
AGE: SEX:
SPECIES:
BREED: SEA TURTLE

LAB #: B5250024
COLLECTED: 10/04/2000
RECEIVED: 10/05/2000 16:31
REPORTED: 10/05/2000 19:12
REREPORTED: 10/06/2000 12:31

DOCTOR: MORRIS, R.

TEST PROCEDURES

REPTILIAN PROFILE #1

REPTILIAN PANEL #1

	RESULTS	REFERENCE RANGE	UNITS
* ALK. PHOSPHATASE	25		IU/L
* ALT (SGPT)	4		IU/L
* AST (SGOT)	146		IU/L
* CK	4362		IU/L
RESULT OBTAINED BY DILUTION			
* LDH	298		IU/L
* ALBUMIN	1.4		g/dL
* TOTAL PROTEIN	4.4		g/dL
* GLOBULIN	3.0		g/dL
* BUN	1		mg/dL
* CREATININE	0.2		mg/dL
* CHOLESTEROL	204		mg/dL
* GLUCOSE	121		mg/dL
* CALCIUM	8.7		mg/dL
* PHOSPHORUS	6.6		mg/dL
* POTASSIUM	4.8		mEq/L
* SODIUM	150		mEq/L
* A/G RATIO	0.5		
* URIC ACID	1.1		mg/dL
AVIAN/EXOTIC CBC AND PLASMA PROTEIN			
* WBC COUNT	6.7		THOUS.
* HCT	28.0		%
* HETEROPHILS	(44)		%
* NEUTROPHIL SEG	1		%
* LYMPHOCYTES	(53)		%
* EOSINOPHIL	2		%
* ABSOLUTE HETEROPHIL	2948		MM3
* ABSOLUTE NEUTROPHIL SEG	67		/uL
* ABSOLUTE LYMPHOCYTE	3551		/uL
* ABSOLUTE EOSINOPHIL	134		/uL
* THROMBOCYTES	ADEQUATE		

* BLOOD PARASITES
CHELONOPLASMA

* REMARKS

NEUTROPHILS = AZUROPHILS

NMFS, 3F

REPORT CONTINUED ON NEXT FORM

CONTINUED REPORT

MAKAI ANIMAL HOSPITAL
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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, 3F

REQ #: 1904833
AGE: SEX:
SPECIES: REPTILE
BREED: SEA TURTLE

LAB #: 15740320
COLLECTED: 03/09/2001
RECEIVED: 03/10/2001 07:22
REPORTED: 03/10/2001 09:08

DOCTOR: MORRIS
TEST PROCEDURES

RESULTS

RBC MORPHOLOGY APPEARS NORMAL.

REFERENCE RANGE UNITS

NMFS, 3F

*** FINAL REPORT ***

BATCH #: 002

2#1 Rt. eye ^{posterior}
1- anterior

SEA TURTLE TAGGING FORM

TUMORS =

1#2 posterior, } Rt. eye
1#1 anterior } Lt. eye

DATE FORM FILLED OUT 4/19/01

4/19/01

1#2 raised area (patch) on beak just anterior of left eye

CAPTURE DATE, LOCATION AND METHOD:

Debbie Tyrone

2-21-01A

Ko'olina Marina,

Oahu

PERSON RECORDING DATA: SME/DET

New 4/19/01

TUMOR SCORE

1

OLD TAGS:

ORAL TUBES EXT:

YES OR NO

N

EMACIATION CODE

2

NEW TAGS:

424F005D25

RFL



LFL



423F1F4E04

STRAIGHT CARAPACE - LENGTH:

45.9 cm

WIDTH:

37.5 cm

NOTCH LENGTH:

45.5 cm

DB:

4 L.O.

VB:

4 L.O.

CURVED CARAPACE LENGTH:

48.0 cm

WIDTH:

44.0 cm

HEAD WIDTH:

7.2 cm

AXIAL:

15.9 cm

LATERAL:

16.0 cm

PPS: YES OR NO OR NE

N

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

8.0 cm

C

5.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

8.2 cm

PLASTRON LENGTH:

36.1 cm

WEIGHT:

22.7 #

4/19/01 = 1.7cc

DESCRIPTIVE REMARKS:

Tumors { #1 anterior shoulder of LFF stump
Stump of LFF amputation smooth pink small #2 anterior edge
Sutures still in stump 1.7cc LIQ

Cryofreezing = 1x #2 on beak, 2x #2 Lt. eye, 2x #1 LFF /forms/tagging.xls

Released at 1130am 4/19/01 Kawaunani, Kaula Bay
-Swam vigorous but exhibited possible B vulgaris problems

1 print photo in grey container

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

MTRP USE ONLY:
 TOPS: 26 FEB 2001
 LOGBOOK: 26 FEB 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: Debbie Tyrone Date and time of call: 02-21-01 7:51
 Name: Debbie Tyrone Phone: 671-7606
 Full mailing address: (optional - to send sea turtle literature) Ko'olina Marina B-10 Email: ****VERY IMPORTANT****

Talked to Mark Fields (asst. harbor master) - on-site

Location: Found alive swimming slowly in Ko'olina Marina, Lagoon # 4 / Marina
 Where is this turtle located? Retrieved by contact and taken to her red dinghy.

How close is it to the nearest vehicle access way? _____

Turtle
 Is the turtle alive or dead? (A) D Uncertain
 About how large (shell length) is the turtle? 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? _____ lbs. 25 lbs. 50 lbs. 100 lbs. 200 lbs.
 (or circle one above)

What is the condition of the turtle? LFF severed and "dangling", not bleeding, possible buoyancy problem (rear end high)
 (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? LFF ~~prob~~ injury
 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 4:00 p.m. to 7:00 a.m. weekdays) will be handled by our contracted Sea Turtle Stranding Group (pager 288-5685).

Name of person filling out this questionnaire: 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 - contact with follow-up p.
 Lanai: 565-7916
 Kauai: 274-3521
 Maui: 984-8110

(11) ^{use water}
LIVE TURTLE EXAMINATION RECORD

26 FEB 2001

Date: 2/21/01
Turtle ID: KOOLIAU MARINA
Comments: SWIMMING SLOWLY - NOT STRANDED

X-ray # 501

PHYSICAL EXAM

Head and neck: left side of face - tumor

Mouth: no tumors

Eyes: left - 2 lenses #1, #2
eyes swollen

Front flippers: left flipper cut thru bone - small
bit of flesh sticking - tumor patch
R. of head

Shell: normal

Plastron: swollen at edges
soft center

Rear flippers: normal

Tail: fish line from cloaca

BODY CONDITION: moderate emaciation

SAMPLES TAKEN

PCV 21 - T.P. 20
CBC _____ Chemistries _____
Others RPO - no nodules

wt. 21.2

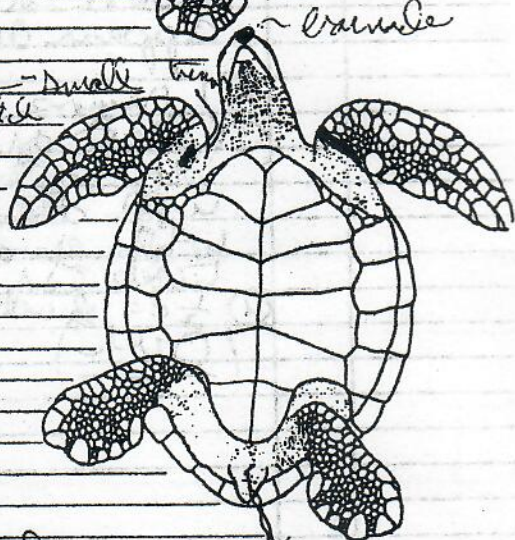
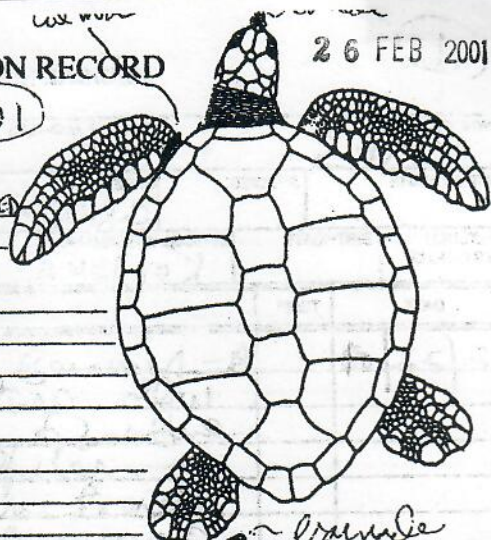
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: emaciation/anaemic - worried
about C.I. damage from fish line - more diagnostic
to be done - hold her in clinic stay on 55 mg
Signed: Robert A. May

AMIKACOL 1M

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



26 FEB 2001

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 02/21/01

NECROPSY DATE: / / MTRP STRANDING ID 02-2101A

CONTACT: Debbie Tyrone	DATE: 02-21-01A	LOCATION: Kō Olina Hanna D-10
PERSON RECORDING DATA: K.H.		

DESCRIPTIVE REMARKS:
~~Severe emaciation~~ severe emaciation
 Fishing line nipped, exiting cloaca
 1# in left eye (posterior corner)
 1# on left beak
 Left eye looks sunken in
 Taken to MAC by KH on 2-21-01. LFF removed on 2-23-01. Transferred to NMFS VAF
 on 2-23-01
 Given OBTAIN amikacin on 2/26, 3/1, 3/6, and 3/8/01

TUMOR SCORE:	1	TAGS:		SEX: Male, Female or Undetermined	U
EMACIATION CODE:	2			1 Barn: on nose	
				DB: <input checked="" type="checkbox"/> (small) 18	VB: 11
STRAIGHT CARAPACE - LENGTH:	46 cm			WIDTH:	37 cm
NOTCH LENGTH:	45.9 cm			PPS (Y/N):	N
CURVED CARAPACE LENGTH:	48.5 cm			WIDTH:	43.5 cm
HEAD WIDTH:	7.4 cm	AXIAL:	— cm	LATERAL:	— cm
TAIL LENGTH: T	9 1/2 cm	C	6 1/2 cm	SAMPLES COLLECTED:	
RIGHT FRONT FLIPPER WIDTH:	8 cm				
PLASTRON LENGTH:	38.1 cm				
WEIGHT:	21.2 #				

LOCATION, SIZE, AND NUMBER OF TUMORS

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

OTHER INFORMATION:

Blood taken by GHB on 3-14-01. (6cc)

p/u by SEL and taken to MAC for examination by Dr. Morris. on 4-10-01
then transferred back to NMFS-KRF by GHB.

p/u by DET on 4-18-01 and brought to NMFS-Lab.

TUMOR SCORE:

1

APPROXIMATE TUMOR SIZE CATEGORIES:

#1 = DETECTABLE PATCH TO 1cm DIAMETER

#2 = >1cm TO 4cm

#3 = >4cm TO 10cm

#4 = >10cm

1

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME N MFS		ADDRESS		TELEPHONE	
PATIENT NAME		SPECIES	BREED GREEN TURTLE	SEX	COLOR AND MARKINGS
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION KODUNA STRAND VIC		LAB	X-RAY

DATE	TEMP	DESCRIPTION
2/22/08		A - Performed abdominal exam from oral area with gentle traction - endoscopy done to evaluate intestines no neoplastic areas noted - fluid present in body cavity - lungs appear OK -
		P) Performed flap on 2/23 -
		① Start of AP - antibiotic 55mg IM initial dose given - will attempt retraction of this turtle with elevated pressure - turtle is somewhat weaker -
		② 1/2 cc but IM (over)

DATE FORM FILLED OUT 3/6/01

CAPTURE DATE, LOCATION AND METHOD:

2-23-01A	Camp Mokuleia, Oahu	Steve Hawks via Carla (NOCAEE)
PERSON RECORDING DATA: SME/SEL		

TUMOR SCORE

 EMACIATION CODE

OLD TAGS:

NT 424E781D75

 424F335448

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:

#

42/6
11.9
32.1

DESCRIPTIVE REMARKS:

1.0 cc LPO
 Released by GHB on 3-6-01 @ Kawaiiki BA
 Turtle swim off vigorously.
 6:15 PM

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 02/27/01

NECROPSY DATE: / / MTRP STRANDING ID 02-23-01A

CONTACT: Steve Hanks via Carla (BOCARE)	DATE: 02-23-01A	LOCATION: Camp Mokuleia, Oahu
PERSON RECORDING DATA: SEA		

DESCRIPTIVE REMARKS:

Found alive beached with fishing line entangling neck and FF removed by contact. (Contact through hook present in mouth, but none found)

Plu by SEA and taken to MAC.

As far down throat as possible, line removed by Dr. Morris.

Plu on 02-20-01 by KSM and taken to NMFS-KRF

Given 0.6cc IM Amikacin on 2/20, 3/1.

Examined by GHB/Dr. Morris on 3/6/01. Plu by SEA and brought back to NMFS-Lab.

CA Released by GHB on 3-6-01. @ Kawaiiki B.P.

TUMOR SCORE: 0 TAGS: SEX: Male, Female
or Undetermined

EMACIATION CODE: 1 DB: Q VB:

STRAIGHT CARAPACE - LENGTH: 49.6 cm WIDTH: ~~40.5~~ cm 41.3

NOTCH LENGTH: 49.5 cm PPS (Y/N): N

CURVED CARAPACE LENGTH: 52.0 cm WIDTH: 48.5 cm

HEAD WIDTH: 8.2 cm AXIAL: cm LATERAL: cm

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: 8.5 cm

PLASTRON LENGTH: cm

WEIGHT: 34.4 #

SAMPLES COLLECTED:

Robert Morris
for release book

LIVE TURTLE EXAMINATION RECORD

Date: 2/23/01 A Mokuleia
Turtle ID: EAHP MOKULEIA
Comments: found with net around neck
WT 34.4 + line in mouth

PHYSICAL EXAM

Head and neck: normal

Mouth: line coming down throat - appears
2-3 mm gap not (-) could not remove - cut
short - 2 seeds in front corner of mouth
Eyes: normal

Front flippers: normal

Shell: normal

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

PCV T.P.
CBC Chemistries
Others

APPROXIMATE TUMOR SIZE CATEGORIES:

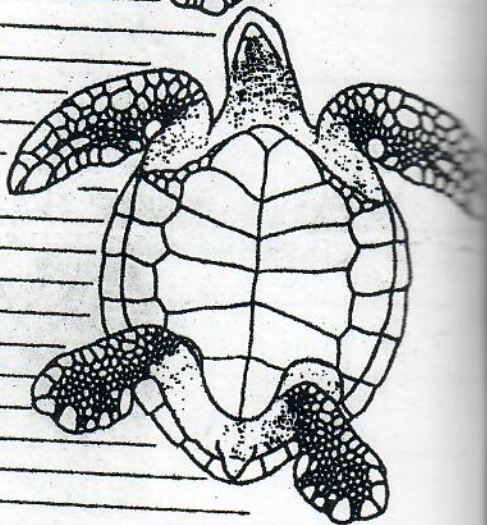
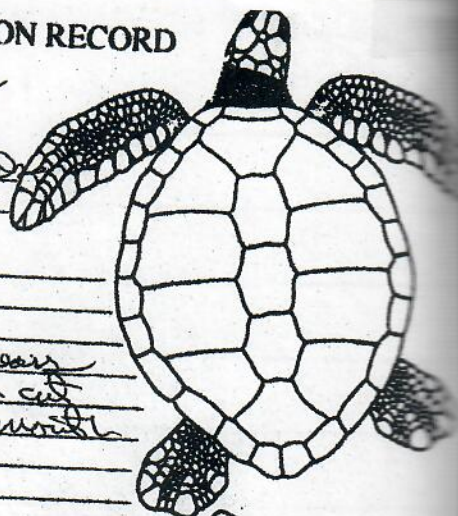
- #1 = DETECTABLE PATCH TO 1CM DIAMETER
- #2 = >1CM TO 4CM
- #3 = >4CM TO 10CM
- #4 = >10CM

RECOMMENDATIONS: hold for observation +
passage of line - find an AB 75mg med
40mg - twice 2/23 - 4/26 - 2/3/1 To Kewalo 2/16
Signed: Robert C. Morris

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

GL = 49.4

GLW = 40.4cm



L



3 GB let go
2/23/01
Robert Morris

3 PAGES FAX TO YONAT KRF
SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

3-20-01 K-bay
PERSON RECORDING DATA: SNE

Cryo treatment 3x
base of #2-#35
entire #1, and 2x 1-#1 left
Arnold's Reef, eye,
digit, pl
Hand / Snorkel end
PRINT
photos.

OLD TAGS:

LRF 407A471634A
LFF 407A40672F
TUMOR SCORE
2

NEW TAGS: RFL
Mototool
LFL 34A 2nd
OTHER NEW TAGS: esters

STRAIGHT CARAPACE-LENGTH:

52.5

WIDTH:

42.0

NOTCH LENGTH:

52.3

DB:

L.O.

VB:

12 L.O.

CURVED CARAPACE LENGTH:

55.5

WIDTH:

49.0

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

U

PPS: YES OR NO OR NE

N

Leeches / leech eggs -
All removed -
scrubbed
Bored and alcohol
SAMPLES COLLECTED: Rins
to
L

TAIL LENGTH: T

12.5

c

7.5

RIGHT FRONT FLIPPER WIDTH:

—

SAMPLES COLLECTED:

PLASTRON LENGTH:

42.4

Blood dots
Blood culture, CBC
and plasma bank by T. work

WEIGHT:

47.0

DESCRIPTIVE REMARKS:

~~1#2 left~~
1#2 left Pt. neck ventral
2#3 Rt. neck

Follow Cryo Treatment
Taken to KRF for ~~test~~
3/21/01
Swimmer / BRD
Rt. eye #1 anterior, milky posterior
Lft. eye #1 anterior
Left hind flipper trailing edge 1-#1

Tag Information:

Tag Number	Date	Tag Type	Tag Position
7A40672F	1/13/99	PIT	PIT
7A47634A	1/13/99	PIT	LHF

Date	Type of Encounter	Location:	TumorRank:	NestingAct:	Straight Carapace	Since Last	
						Month	Year
1/13/99	Near Shore	Oahu, Kaneohe Bay, Arnold's Reef	1	-	51.0	---	---
1/26/99	Near Shore	Oahu, Kaneohe Bay, Arnold's Reef	1	-		---	---
2/15/00	Near Shore	Oahu, Kaneohe Bay, Arnold's Reef	2	-	52.1	12.0	1.0

Historical Information for Turtle Tag 7A

Tag Information:

Tag Number	Date	Tag Type	Tag Position
7A40672F	1/13/99	PIT	PIT
7A47634A	1/13/99	PIT	LHF

Date	Type of Encounter	Location:	TumorRank:	NestingAct:	Weight	Since Last	
						Month	Year
1/13/99	Near Shore	Oahu, Kaneohe Bay, Arnold's Reef	1	-	40.0	---	---
1/26/99	Near Shore	Oahu, Kaneohe Bay, Arnold's Reef	1	-	40.0	---	---
2/15/00	Near Shore	Oahu, Kaneohe Bay, Arnold's Reef	2	-	---	12.0	1.0

ANAKI ANIMAL CLINIC, 420 Uluolu Street, Honolulu, HI 96814

SL: 44 8/10/00

Memorandum

~~BY~~ FAX TO
MAC from GB

To: George Balazs/ Dr. Bob Morris
From: Yonat Swimmer
Date: 05/25/01
Re: Summary of turtle #01"

ID 3-29-01 KAWAII
PIT = ----- 01

Turtle was brought to KRF on March 30, 2001 with an i.d. on carapace as "01".

Turtle was presented both untreated and blue squid starting on April 3 through April 20. The other turtles, #9 and #34 ate both blue and untreated squid during this time, however 01 did not.

Since April 20, all turtles have eaten squid only. #01 was reported feeding as of April 28. The 3 small turtles have been given a box of squid to share among 3 of them. #01 has been noted to eat only small amounts, mostly of squid that is on the bottom of the tank after the other 2 have eaten the squid from the water column. This turtle has never been an aggressive swimmer, and usually remains away on the bottom of the tank when we feed the turtles. It has been seen at the top of the water as well, and yet usually goes down to depth when it sees one of us.

5/25 Today #01 was reported lethargic by David Gremminger, a student assistant who feeds the turtles. We decided to take the turtle out of the tank for investigation by Dr. Morris. It is now placed with a wet cloth in the shade here at Kewalo.

Please call me at work (592-2813) or home (988-7153) if you have any questions.

Yonat

P.S. Raw data on turtle care are mixed with experimental data, and therefore I thought it best to summarize notes specific to #01.

5-28-01 3pm
Released at Kawai'i (Kailoa Bay) capture location -
Vigorously swam away.
SCL = 45.9 cm SEW = 37.9 cm

Taken to NMFS-KRF on 0330-01 by GHB for Y. Swimmers

Revised 03/28/01

SEA TURTLE TAGGING FORM

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

APR 2001
MOTO TOOL
"01"

DATE FORM FILLED OUT 3/29/01

CAPTURE DATE, LOCATION AND METHOD:

3-29-01 ✓	Kawainui Canal, Kailua Bay	Hand/Smorkel
PERSON RECORDING DATA: SNE		GB/SE

TUMOR SCORE

2 ✓

ORAL TMRS EXT:

YES OR NO
Yes ✓


EMACIATION CODE

0

OLD TAGS:

✓ 424F0A5470 ✓

RFI



424E682401 ✓

LF
HF

STRAIGHT CARAPACE - LENGTH: 46.0 ✓ cm WIDTH: 37.7 cm

NOTCH LENGTH: 46.0 ✓ cm DB: ∅ L.O. VB: ∅ L.O.

CURVED CARAPACE LENGTH: 49.5 ✓ cm WIDTH: 44.0 ✓ cm

HEAD WIDTH: 7.0 ✓ cm AXIAL: 17.4 cm LATERAL: 17.3 cm

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

TAIL LENGTH: T 9.0 ✓ cm C 6.0 ✓ cm

RIGHT FRONT FLIPPER WIDTH: — cm SAMPLES COLLECTED: ✓ Blood for Dr. Morris

PLASTRON LENGTH: 37.4 ✓ cm Digital 3x4 Biochem Aerology

WEIGHT: 28.2 # Base and cryo IN photo 3x4 Digital 3x4

DESCRIPTIVE REMARKS:

RFF 1#3
RHF 1#3

2JH 1#2
AJH 1#2

new MOTO TOOL "01"
2nd cat. Right

hook in LFF with "5" line (small)

cryo 3x

forms/tagging.xls

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 Brill in Mouth Seal Tanks

PERSON RECORDING DATA: Ph, SKUM

1-#/LJH
1-#/RJH

TUMOR SCORE

1

ORAL TMRS EXT:

YES OR NO

Y

EMACIATION CODE

D

OLD TAGS:

RHF A24FOA5470 ✓
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

SAMPLES COLLECTED:

PLASTRON LENGTH: 37.1 cm

WEIGHT: 26.2 #

DESCRIPTIVE REMARKS: since 3/29/01

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

turtle washed clean and
EXAMINED by GB
placed in A2. noted healing scab
RHF (1-#s gone) RHF (1-#s gone)
part of femur exposed, 2nd #s L&R
Plastron looks a little flat.
Reduce DO #1's

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 05, 28, 01

CAPTURE DATE, LOCATION AND METHOD:

KRF Released	Drill / Swimmer cryosurgery / bait study Kawainui canal, Kapua Bay, Oahu
PERSON RECORDING DATA:	05-28-01

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

RHF 424 F0A5470
LHF 424 E682401

NEW TAGS:

RFL
LFL

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

PLASTRON LENGTH: cm

WEIGHT: #

SAMPLES COLLECTED:

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

23 MAY 2001

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 5/22/01
Released by SME/SKA in addition to Ken Nichols at Haleiwa Beach Park, 5/22/01

CAPTURE DATE, LOCATION AND METHOD:

4-7-01A	Haleiwa, Oahu	Ken Nichols via Regina Luna (SSG)
PERSON RECORDING DATA: SME/GHB		

@ 11:30 a.m.
Turtle swam away fine.

TUMOR SCORE
 1
ORAL TMRS EXT:
YES OR NO
 N
EMACIATION CODE
 0

OLD TAGS:

NEW TAGS:

RHF REF	424F253338
EFL	4243261B58
LHF	

STRAIGHT CARAPACE - LENGTH: 79.7 cm WIDTH: 62.9 cm

NOTCH LENGTH: 79.6 cm DB: \emptyset L.O. VB: \emptyset L.O.

CURVED CARAPACE LENGTH: 85.5 cm WIDTH: 78.0 cm

HEAD WIDTH: 12.2 cm AXIAL: 30.7 cm LATERAL: 31.4 cm

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

TAIL LENGTH: T - cm C - cm

RIGHT FRONT FLIPPER WIDTH: 12.8 cm

PLASTRON LENGTH: 69.6 cm

WEIGHT: - #

SAMPLES COLLECTED: #2 Tumors removed by Dr. Morris and sent to Dr. Spraker

1-#RSH

DESCRIPTIVE REMARKS:
1/3 RHF missing and healed
Mototrol "B5B" on L/R 3rd lateral