

HAWAIIAN MONARCH BUTTERFLY
BALAZS

8-21-07 HAWAIIAN
DANIEL OADES

3-28-06 HAWAIIAN
5-16-06

A MALEIWA ALII BP P.100
11-28-01

KAMEHAME TMR - Release KBAY
P.155

10-25-05 =
H514 LH = NUGGET (P.47)

11-15-05 HANAUMA

6-4-02 HANAUMA
A-5-06 HANAUMA

HANAUMA - (5) TOP SLIP
7-17-01 Roaring Spring® 5-16-00
2-13-07 KAWAII 6-7-00
HAWAII 8-8-00

Compositions

Name _____
School REHAB 3-29-01 KAWAII
Grade + RELEASES 4-10-01 KAWAII
4-23-01 KAWAII

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

6-20-01 KAWAII
Roaring Spring, PA 16673

8-16-01 KAWAII



3 OF 3

8-29-01 KAWAII
8-31-01 KAWAII



GEORGE H. BALAZS
ZOOLOGIST AND LEADER
MARINE TURTLE RESEARCH
and

Regional Vice Chairman for the Pacific Islands
IUCN Marine Turtle Specialist Group

HONOLULU LABORATORY
SOUTHWEST FISHERIES SCIENCE CENTER
NATIONAL MARINE FISHERIES SERVICE
2570 DOLE STREET

HONOLULU, HAWAII 96822-2396 (808) 983-5733
Email: gbalazs@honlab.nmfs.hawaii.edu Fax: (808) 983-2902
Report turtle strandings: (808) 983-5730

CAPTURE DATE, LOCATION AND METHOD:

12-5-06 Hanuama
PERSON RECORDING DATA: TH Hand Sporked

OLD TAGS: LH 5031557352
LH 5031434879
TUMOR SCORE: 11786

NEW TAGS: REF: [blank]
LFL: [blank]
OTHER NEW TAGS: [blank]

STRAIGHT CARAPACE-LENGTH: 52.0 WIDTH: 38
NOTCH LENGTH: 52.0 DB: [blank] L.O. [blank] VB: [blank] L.C. [blank]

CURVED CARAPACE LENGTH: 57 WIDTH: 47
HEAD WIDTH: [blank] Axial - 20.0

SEX: MALE, FEMALE OR UNDETERMINED
PPS: YES OR NO OR NE [blank] Lat 1-203 Lat 2 186
TAIL LENGTH: T [blank] C [blank] Lat 3 154

RIGHT FRONT FLIPPER WIDTH: [blank] SAMPLES COLLECTED: [blank]

PLASTRON LENGTH: 39.7
WEIGHT: 40.4

DESCRIPTIVE REMARKS: PEA

Honolulu, HI 96825
Hawaii Kai Dr. #103
Hawaii.edu
forward email
Cammy's

CAPTURE DATE, LOCATION AND METHOD:

00-21-07 Hanuama Bay
PERSON RECORDING DATA: [blank] Sporked

OLD TAGS: LH 470AGDIB6A
LH 470C772570
LH 118600
TUMOR SCORE: 2

NEW TAGS: RFL [blank]
LFL [blank]
OTHER NEW TAGS: [blank]

STRAIGHT CARAPACE-LENGTH: 60.2 WIDTH: 37.4
NOTCH LENGTH: 60.1 DB: [blank] L.O. [blank] VB: [blank] L.C. [blank]

CURVED CARAPACE LENGTH: 54.0 WIDTH: 43.0
HEAD WIDTH: [blank] Axial: 17.4

SEX: MALE, FEMALE OR UNDETERMINED
PPS: YES OR NO OR NE [blank] Lat 1-12.8
TAIL LENGTH: T 11.0 C 7.5

RIGHT FRONT FLIPPER WIDTH: [blank] SAMPLES COLLECTED: [blank]

PLASTRON LENGTH: 39.8
WEIGHT: 33.0 #

DESCRIPTIVE REMARKS: PEA on carapace

TUMORS:
LHF 1#3
RPF 1#3
RSH 1#1
R-eye 1#2 (post)
L-eye 1#2 (post)
LFF 1#2
Clusia 1#2

8-21-07

3

79

PROMO 132

① Budget

CAPTURE DATE, LOCATION AND METHOD: Tuesday

DEC. 12, 2006

Hand
Shoreline
(by JOHN JOHNSON)

PERSON RECORDING DATA:

OLD TAGS:
NEW TAGS: REF LFL
TUNOR SCORE: 407561603
OTHER NEW TAGS: 402A5B24

NEW TAGS: REF LFL

TUNOR SCORE: 407561603
OTHER NEW TAGS: 402A5B24

LH LF
RH

STRAIGHT CARAPACE-LENGTH: 57.2

WIDTH: 43.2

NOTCH LENGTH: 56.7

DB: 0

L.O. 0

VB: 0

L.C. 0

CURVED CARAPACE LENGTH: 61.0

WIDTH: 52.0

HEAD WIDTH: 8.8

AXIAL 22.8

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE 13

DB: 0

TAIL LENGTH: T 13

C 8.0

RIGHT FRONT FLIPPER WIDTH: 75.5

SAMPLES COLLECTED

PLASTRON LENGTH: 55.1

WEIGHT: 145

DESCRIPTIVE REMARKS:

PCA

6000 - in resin



Amphipod on head

CAPTURE DATE, LOCATION AND METHOD:

12-05-06

Harau Bay
Shoreline

PERSON RECORDING DATA: SK

470A177D6F

NEW TAGS: 41

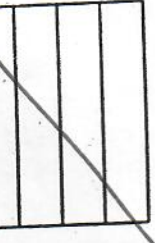
LH LF

TUNOR SCORE: 0

OTHER NEW TAGS: 6C89

NEW TAGS: 41

LH LF



STRAIGHT CARAPACE-LENGTH: 37.2

WIDTH: 33.1

NOTCH LENGTH: 36.8

DB: 0

L.O. 0

VB: 1

L.C. 0

CURVED CARAPACE LENGTH: 40.0

WIDTH: 38.0

HEAD WIDTH: 6.1

AXIAL 15.5

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE N

DB: 0

TAIL LENGTH: T 7.5

C 5.0

12=13.0

13=10.5

RIGHT FRONT FLIPPER WIDTH: 60.9

SAMPLES COLLECTED

PLASTRON LENGTH: 30.7

WEIGHT: 17.6

DNA-TISSUE

DESCRIPTIVE REMARKS:

12-5-06 TUESDAY

"Nugget"

LATERAL 1 = 22.8
2 = 19.9
3 = 16.4

tel (902) 852-3047

VEMCO 6857H } Label at one
Shad Bay N.S. Code 29 } end
Canada B3T 2C1 Magnet } Biased to
oppose end

Magnet end to be posterior (uncovered)
due to more transmission at this end.

TDR MK9 set up 12/3/06
#0290200

Depth 60sec
Temp 60sec
Wet/Dry 60sec

MK9 - set up
Deployed @ 1227 on
12/3/06
TR \$
Depth - 60sec
Temp - 60sec
Wet/Dry "

Photos

Released 1308h

11/5/06 - about 1 hour early! Could have gotten
up at 0530 - to Zippys about 0600 - up at 0630h.
must look for lunch somewhere.

0900 hr - at H Bay

Nugget, Vemco & MK9

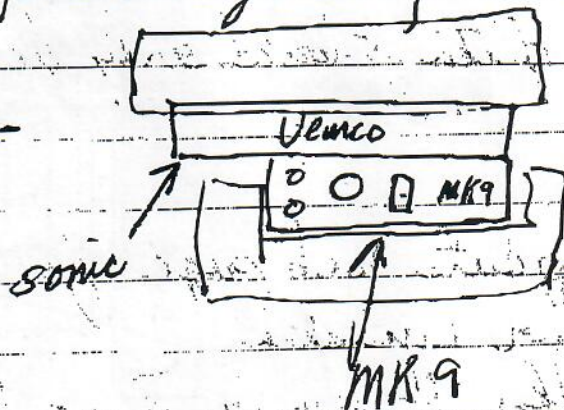
Nugget H512 RFL

H513 LFL

1st Elastomer @ 1055h

finished glassing at 1230h

Vemco-



5 cross straps

1 or 2 end straps

+ a boostrip of
Keolan.

released at 1308 or so.

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

(5)
 From P.
 getting 139/140

(143)
 end

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 12/09/06

CAPTURE DATE, LOCATION AND METHOD:

12-09-06 Tuesday	HANAIUMA BAY, OAHU	SCOOP NET
PERSON RECORDING DATA: GB		

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

(LFF) 4607283646 RFL
 (RFF) 6022C3751 LFL
 11784 (LH)

NEW TAGS:

STRAIGHT CARAPACE - LENGTH:

51.3 cm

WIDTH: 40.3 cm

NOTCH LENGTH: 51.0 cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

54.5 cm

WIDTH: 48.0 cm

HEAD WIDTH: cm

AXIAL: 20.7 cm

LATERAL: 20.3 cm

PPS: YES OR NO OR NE N

Lat 2: 17.7
 Lat 3: 13.9

SEX: Male, Female or Undetermined U

TAIL LENGTH: T cm

C cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: 41.8 cm

WEIGHT: 41.3 #

DESCRIPTIVE REMARKS: 18.7

SKIN BARNACLES
 IN ALCOHOL
 Collected for JOHN ZAREBUS

41.3
 Fine red filaments in mouth

Carapace length growth records for 2 immature green turtles tagged and recaptured at Hanauma Bay, Oahu from May 1992 to July 2001

Marine Turtle Research Program
 SWFSC Honolulu Laboratory
 National Marine Fisheries Service
 gbalazs@honlab.nmfs.hawaii.edu

Tag Number	Original				Recovered			
	Day	Month	Year	SCL (cm)	Day	Month	Year	SCL (cm)
0F2B3F25	25	4	2000	55.5	17	7	2001	58.7
H509	20	5	1992	37.9	17	7	2001	52.9

Weight growth records for 2 immature green turtles tagged and recaptured at Hanauma Bay, Oahu from May 1992 to July 2001

Marine Turtle Research Program
 SWFSC Honolulu Laboratory
 National Marine Fisheries Service
 gbalazs@honlab.nmfs.hawaii.edu

Tag Number	Original				Recovered			
	Day	Month	Year	Weight (lb)	Day	Month	Year	Weight (lb)
0F2B3F25	25	4	2000	57.0	17	7	2001	66.0
H509	20	5	1992	16.0	17	7	2001	45.0

HANAUMA

IORS

REM.

143

O'ahu resident, 93, considers herself lucky

No trace of homes between Makapu'u and Sandy Beach

By Mike Leidemann
ADVERTISER STAFF WRITER

Most people know the 1946 tsunami devastated Hilo. Ninety-three-year-old Helen Sanborn Davis knows it did far more than that.

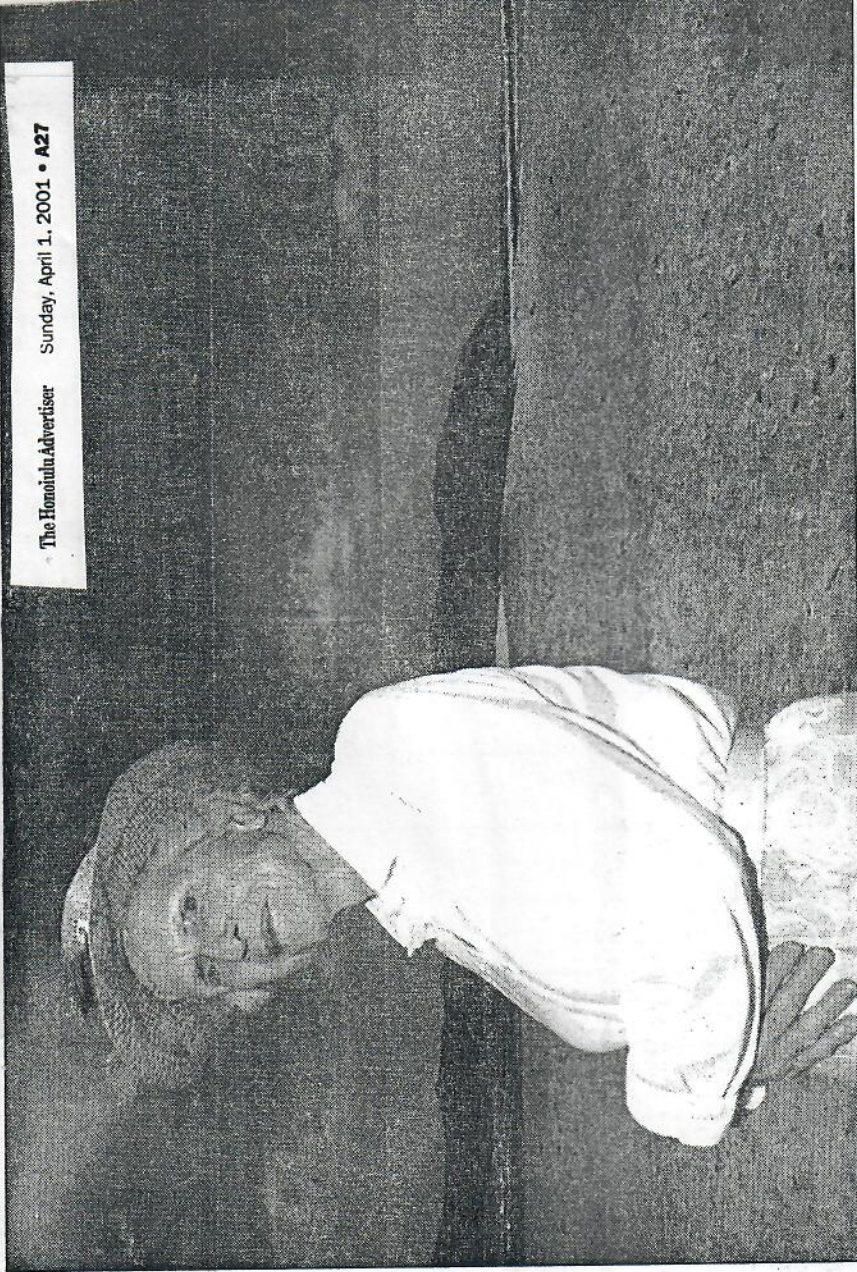
Davis was a young mother leading an idyllic beachside life at Wawamalu in East O'ahu when the tsunami struck. She lost everything she owned, but considers herself lucky. She escaped with her life and family; the tsunami took 159 lives, including 13 on Maui, 17 on Kauai and six on O'ahu.

"Grab the baby and rum!" is what Davis remembers her husband, Alan, yelling that April Fools' Day 55 years ago. "Tidal wave! Tidal wave!"

It was 6:30 a.m. The first of the pine waves spawned by an Aleutian earthquake had already swept ashore, sending water lapping at the Davis home, which sat 30 feet back from the ocean.

A caretaker thought the cesspool had overflowed, but Helen Davis knew this was the real thing. She ordered the caretaker to gather his family, and grabbed her own 8-month-old daughter, Linda, a bottle and a lunch pail, jumped into the car and headed for the higher ground above Makapu'u. Alan Davis and their 13-year-old daughter, Nancy, followed in another car a few minutes later.

Up to that moment, home was a splendid isolation at Wawamalu. Davis, a downtown businessman, leased 2,000 acres for cattle ranching beyond what's now known as Hawaii Kai. Visitors had to pass



CORY LUM • The Honolulu Advertiser

Helen Davis returns to where her home once stood. The 1946 tsunami took it all away, but she managed to flee to higher ground at Makapu'u.

through four locked gates to reach the home, which included a salt-water swimming pool, tennis court and a large ranch-style house designed by architect Ray Morris.

Their only full-time neighbors on the rugged coastline were Walter and Bennie Wix, and some Hawaiian cowboys working on the ranch. "It was a wonderful life, full of

family, visiting friends and cattle ranching," Helen Davis recalls.

All that came to an end in a less than one hour.

Many people on O'ahu thought the stories of a statewide tsunami were an April Fools' Day joke by radio personality J. Akahead Pupule, famed for his pranks. From her safe vantage point above

Makapu'u, Davis could see how real it was, watching as each succeeding wave, about 15 minutes apart, pushed a new wall of water through her home, gradually eroding the walls and foundation until nothing was left.

"Most people don't realize that the damage wasn't done by one big wave," said Donna Salki, director

of the Pacific Tsunami Museum in Hilo. "The first wave was a more like a super high tide that came up and around the buildings. It was the third and fourth waves that were the highest. The others just kept pushing water into the shore, causing more damage."

When the roaring waves finally stopped, there was nothing to do

WAWAMALU



survivor

but start life all over again.

Two days after the tsunami, Davis left the friends' home she was staying at and drove the family car back to Wāwāmalu. She parked near the road and walked through the scattered debris. Two green parrots, Dy and Grandma, were nowhere to be found; the family dogs were being treated at a veterinarian's office in town the day of the tsunami and were not hurt.

One of the local farmers handed Davis a gold chain and locket that belonged to her daughter, who had died a few years earlier. A family wall safe with some photos and mementos was found beneath a pile of debris.

"The thing I remember most is finding our refrigerator all smashed up against a wall," Davis said. "But inside there was a box of eggs, and none of those were broken at all."

Others around the state were not so lucky.

"Most people think of the tsunami as a Hilo experience," Saiki said. "That's a very, very common idea. But people need to know that it was territorial-wide disaster."

On O'ahu, museum records show, three people were killed at Kahana, two died at Kahuku and one died at Makapu'u, although Davis said she can't remember hearing about a death there.

The Davises moved to Makiki, then Waipi'o, and today Helen Davis lives an active life alone in a home in the lee of Diamond Head. Homes were never built again along the beachfront at Wāwāmalu, between Sandy Beach and Makapu'u, and the area today is state preservation land.

Many surfers, longtime residents and some map books refer to the area as Alan Davis Beach, but few of those who wander the shoreline know the story of the tsunami that hit it 55 years ago today.

'We were skin-diving, not paying any attention' to 1957 tsunami

AIO 4-1-07 HSB

Robin Bond was diving with intermediate school friends in Hanauma Bay in 1957 when he felt the current "go one way, then come back up and go back down.

"I figured that's not right," he said. I looked at the keyhole area of the bay. Water was coming out. It had dropped below the level of the reef and was pouring out of the inside reef.

"You couldn't hear any of the alarms," recalled Bond, now 65. "We were skin-diving, going up and down, not paying any attention."

But they knew it was a tsunami, he said. "When it hit, we just took off running. We grabbed our stuff and went to the top of the lookout where it is now and watched the waves."

The 1957 tsunami was generated by an earthquake in the Aleutian Islands and caused extensive damage on Kauai.

Bond said he grew up on Portlock Road and remembers many times when his father would get them into a truck to go to the top of Koko Head and wait until there was an all-clear.

"My dad was a smart guy, especially when it came to the ocean. He said, 'Never go back and look. Don't go near it. Get away.'"

Bond, who worked 15 years for the Parks and Recreation Department, said he does a lot of diving and fishing.

TSUNAMI AWARENESS MONTH ACTIVITIES

HONOLULU

- >> **April 1-30:** Tsunami display window at Borders Books, Waikale. "Science of Tsunamis and Safety Information."
- >> **April 17:** Bishop Museum lecture, 6 p.m., Gerard Fryer, geophysicist, Pacific Tsunami Warning Center, "Tsunamis: Waves of Destruction."
- >> **May 17:** Hanauma Bay lecture, 6:30 p.m., Gerard Fryer, "Tsunamis: The Great Waves."

HILO

- >> **Today:** Pacific Tsunami Museum Talk Story Day: "A Taste of Mamo Street," 6 p.m., Sangha Hall.
- >> **Thursday:** Remembrance Day, 9 a.m., Laupahoehoe Park.
- >> **Friday:** Pacific Tsunami Museum private ceremony with Dr. Ronald Yamaoka.
- >> **April 20:** 19th annual Earth Day Fair, 9 a.m. to 4 p.m., Hawaii Community College, with National Oceanic and Atmospheric Administration booths, displays, tsunami information.
- >> **April 28:** Ocean Day, 10 a.m. to 4 p.m., University of Hawaii-Hilo.

For more information, visit www.tsunami.org/events.html

"A lot of guys I've grown up with, they brag about running down (to the beach) looking for fish (after a tsunami alert). I just shake my head. I know when it hits, you better be out of there, because if not, you're gonna get whacked."

— Helen Altonn, *Star-Bulletin*

July 3, 2000
 MEDICAL HISTORY - CLINICAL RECORD

16 AUG 2000

OWNER NAME IMFS		ADDRESS		TELEPHONE
NAME HAWAII	SPECIES	BREED	SEX	COLOR AND MARKINGS
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION BALAZ 7/3/00	LAB	X-RAY

DATE	TEMP	DESCRIPTION
8/15/00		Re ✓ at walsai Tumor side of face healing - still some necrotic tissue small stalk of clear tumor remaining low huge A tumor mild to moderate emaciation PCV 17 TP 4.6 up from orig 11.5 WT 65.8 orig WT 7/13 73.6 WT 90.8 7.8 lbs less 1 lb tumor = 6.8 lbs P1 2cc B complex IM 2cc ADE IM 25 mg Leontin V IM eating well - Re ✓ 2-10d PCV etc <div style="text-align: right; border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> RM </div>

MAKAI ANIMAL HOSPITAL
420 ULUMIU 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, HAWAII

REQ #: 1976167
AGE: SEX:
SPECIES:
BREED: GREEN TURTLE

LAB #: B4152978
COLLECTED: 07/14/2000
RECEIVED: 07/14/2000 10:49
REPORTED: 07/14/2000 15:14

DOCTOR: MORRIS, B.

TEST PROCEDURES

REPTILIAN PROFILE #1

REPTILIAN PANEL #1

ALK. PHOSPHATASE

ALT (SCPT)

AST (SGOT)

CK

RESULT OBTAINED BY DILUTION

LDH

ALBUMIN

TOTAL PROTEIN

GLOBULIN

BUN

CREATININE

CHOLESTEROL

GLUCOSE

CALCIUM

PHOSPHORUS

POTASSIUM

SODIUM

A/G RATIO

URIC ACID

AUJAN/EXOTIC CBC AND PLASMA PROTEIN

* WBC COUNT

* HCT

* HETEROPHILS

* NEUTROPHIL SEG

* LYMPHOCYTES

* ABSOLUTE HETEROPHIL

* ABSOLUTE NEUTROPHIL SEG

* ABSOLUTE LYMPHOCYTE

* THROMBOCYTES

* BLOOD PARASITES

MANY CHELANOPLASMA.

* REMARKS

FEW REACTIVE LYMPHS PRESENT

NEUTROPHILS = AZUROPHILS

WBC COUNT MAY BE AFFECTED BY CLUMPING

NMFS, HAWAII

*** FINAL REPORT ***

BATCH #: 002

RESULTS

REFERENCE RANGE UNITS

87

2

112

16788

729

1.6

5.0

3.4

12

0.3

133

106

6.0

5.8

3.7

148

0.5

0.6

38.0

48.0

49

25

26

18620

9500

9880

ADEQUATE

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

mg/dL

mg/dL

THOUS.

%

%

%

%

MM3

/uL

/uL

21 JUL 2007

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			HAWAII - BALAZS 7/13			
	n = 53						
	Mean	±SD*	Range	7/13			
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	5.0			
Albumin (g dl)	1.7	0.4	0.6-2.2	1.6			
Globulin (g dl)	2.7	0.5	1.8-4.0	3.4			
Albumin:Globulin ratio	0.6	0.2	0.2-1.2	0.5			
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	112			
Alkaline Phosphatase (U l)	33.5	12.2	12-62	67			
γGT† (U l)	2.7	1.5	0.0-5.0				
LDH† (U l)	203.8	180.4	55-1286	729			
Urea Nitrogen (BUN) (mg dl)	5.2	14.1	0.0-64.0	12			
Creatinine (mg dl)	0.2	0.1	0.1-0.5	0.3			
BUN:Creatinine Ratio	25.8	70.7	0.0-320.0				
Uric Acid (mg dl)	1.3	0.8	0.0-4.5	0.6			
Calcium (mg dl)	9.1	1.7	1.1-12.1				
Phosphorus (mg dl)	8.2	1.3	5.9-11.8	5.8			
Cholesterol (mg dl)	140.0	43.0	32-280	133			
Triglycerides (mg dl)	124.2	68.7	28-331				
Glucose (mg dl)	114.7	35.0	64-234	106			
Iron (mcg dl)	46.3	64.8	9-321				
Sodium (meq l)	158.0	4.0	146-170	144			
Potassium (meq l)	5.2	0.9	3.9-8.6	3.7			
Chloride (meq l)	115.2	5.7	103-130				

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

CPK 16,744
 WBC 38,000
 PCV 42

PH

MEDICAL HISTORY - CLINICAL RECORD

21 JUL 2000

OWNER NAME MFS		ADDRESS			TELEPHONE	
NAME	SPECIES	BREED	SEX	COLOR AND MARKINGS		
		CURRAN TORTLE				
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION	LAB	X-RAY		
		HAWAII - BALAZS 7/13/00				

DATE	TEMP	DESCRIPTION
7/20/00		<p>Turtle in for surgery - Blood work up - all chem normal WBC was elevated - Anesth - .6cc Medetomidine IV (Dormitor) .5cc Butorphanol (torbugesic) IV local lidocaine block around jaw tumor Calculated dose of Dormitor on 45-55lb dog dose - Regular dose of butorphanol - anesth - good - took approx 5min - pain control good - Surgical removal of 1.2-3cm tumor from side of face - hard bony area in center X-ray before cutting w/ bone cutter - X-ray - Successful removal of glabrous tumor - it seemed to be confined to epidermis - vessels some bleeding but controlled - At 175mg Amoxicillin IM followed by 90mg Amoxicillin IM 7/24, 7/27 Consider release Aug 1 - 22 send back to Kneida 7/21/00</p>
		(Ray)

LIVE TURTLE EXAMINATION RECORD

7 JUL 2000

Date: 7/13/00

Turtle ID: HAWAII

Comments: 73.6 lbs

PHYSICAL EXAM

Head and neck: large 14cm tumor

R side of back/low

Mouth: absent tumor / small growth

R jaw large

Eyes: normal

Front flippers: normal

Shell: normal

Plastron: mild depression

Rear flippers: normal

Tail: normal

BODY CONDITION: MED emaciation

SAMPLES TAKEN

PCV 27 T.P. 4.3

CBC Chemistries

Others _____

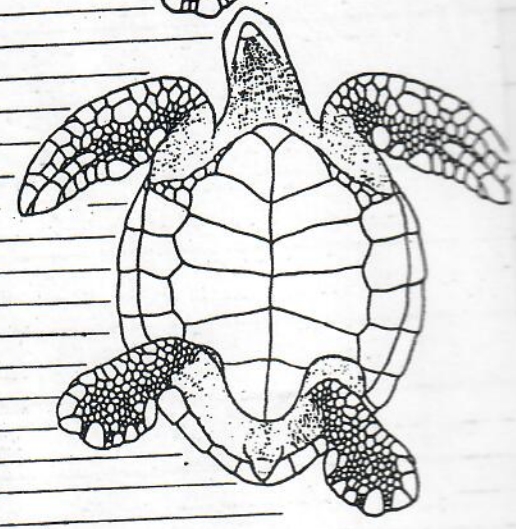
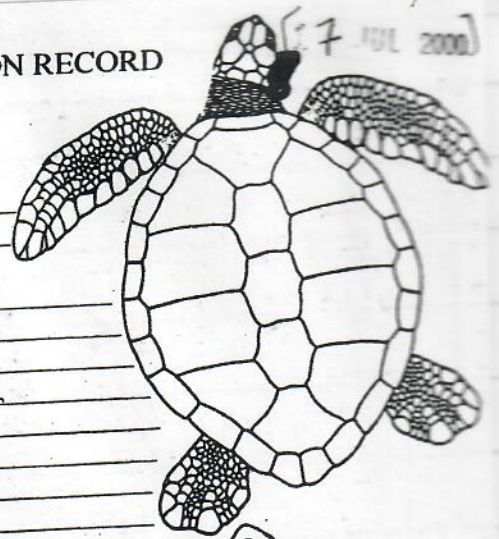
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: evaluate for surgery - wait on chem/pcv results / med at Kaula

Signed: Robert A. Morris DVM

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



LOCATION, SIZE, AND NUMBER OF TUMORS

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

OTHER INFORMATION:

{ right side of neck = 1#4 }

Transferred to Yanat Swimmer / Rich Brill for bait study on 9-22-00.

Transferred back to MTRP 2-6-01.

TUMOR SCORE:

AS of 7/12/00
 2

KAMEHAME 7-10-2000

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

17 JUL 2000

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 7/12/00

NECROPSY DATE: / / MTRP STRANDING ID 07-10-00

CONTACT: George Balazs + Mark Rice (HPA)	DATE: 07-10-00	LOCATION: Kamehame, Hawaii
PERSON RECORDING DATA: SKB + GHB		

DESCRIPTIVE REMARKS: Found "excised" / basking on 7-10-00
 Shipped to Aloha Cargo + P/U by SKB + CM, and
 taken to NMFS-KRF on 07-12-00. P/U from NMFS-KRF by
 SKB + CM and taken to MAC 07-13-00 then returned
 to NMFS-KRF
 "Looks a little flat" acc. to GHB in regards to pick-up.
 Given 90mg IM Amikacin by GHB on 7/25, 7/27, 8/4 8/7
 80m tumors surgically removed by Dr. Morris on 7-20-00; transferred to NMFS-KRF on 7/20/00
 taken to MAC on 8-1-00 by sev/seb. Transferred to NMFS-KRF on 8/2/00 by sev
 taken to MAC on 8-15-00 by sev/seb then transferred to NMFS-KRF
 Taken to MAC on 9-7-00 by DET. WT = 74.8#, blood drawn then transferred to NMFS-KRF

Note
Correction

TUMOR SCORE: <input type="checkbox"/>	TAGS: N-474 / LFF /	SEX: Male, Female or Undetermined <input type="checkbox"/>
<input type="checkbox"/>	N-475 / RFF /	
<input type="checkbox"/>		DB: <input checked="" type="checkbox"/>
		VB: <input checked="" type="checkbox"/>

STRAIGHT CARAPACE - LENGTH: 69.8 cm	WIDTH: 50.1 cm
NOTCH LENGTH: 60.8 cm	PPS (Y/N): <input type="checkbox"/>
CURVED CARAPACE LENGTH: 66.0 cm	WIDTH: <input type="checkbox"/>
HEAD WIDTH: <input type="checkbox"/> cm	
TAIL LENGTH: T <input type="checkbox"/> cm	C <input type="checkbox"/> cm
RIGHT FRONT FLIPPER WIDTH: <input type="checkbox"/> cm	SAMPLES COLLECTED: <input type="checkbox"/>
PLASTRON LENGTH: <input type="checkbox"/> cm	<input type="checkbox"/>
WEIGHT: 73.6 #	<input type="checkbox"/>

Released 2-7-01
 Kaneohe Beach Park.

Print photos straight out today
 Swim and disappeared

DATE 2-7-01

eye photos = 2 each
 35mm obj lens

SEA TURTLE TAGGING FORM
 CAPTURE DATE, LOCATION AND METHOD: Moody photos - prints w/ specimen
 ID 7-10-00 George Balazs & Marc Rice (HPA) Kaneohe, Hawaii

PERSON RECORDING DATA:
 OLD TAGS: N-474 LFF
 N-475 RFF
 TUMOR SCORE =

NEW TAGS: RFL
 LFL
 LHF
 OTHER NEW TAGS:
 424F0F7071 new
 423A3E7D55 RFL new

Total = 110 = 3.6 cc
 Present
 2.5m sel increase

STRAIGHT CARAPACE-LENGTH: 62.9 WIDTH: 53.6

NOTCH LENGTH: 62.8 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 69.0 WIDTH: 64.0

HEAD WIDTH: 10.5 SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE Y

TAIL LENGTH: T 16.5 c 11.5

RIGHT FRONT FLIPPER WIDTH:

PLASTRON LENGTH: 50.5

WEIGHT: 98.1 lbs

DESCRIPTIVE REMARKS:

SAMPLES COLLECTED:
 Blood for MAC
 and plasma BANK, DNA
 and blood dots
 Perf = 38
 Total Protein = 5.6

RJW - former surgery site firm, pink and healed.
 1-#1 LSH cryosurgery
 2-#1 RSH 34 photos
 Grottois - multi-lobed
 #1
 Hind flippers left thick when PETS put on

Feb-02-01 03:45P

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME N.M.F.S.		ADDRESS		TELEPHONE	
PATIENT NAME KOOLINA		SPECIES RESORT	BREED	SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION STRAWBERRY 12/9/00		LAB	X-RAY

DATE	TEMP	DESCRIPTION
1/11/01		Long good 8 PM
1/12/01		send to Kewalo 75 mg Omeprazole 22 hr given on 1/15, 18, 21, 24 warned for fishes, 3cc praziquantel IM (Drone) [Ⓟ] PJ hold Kewalo 2 ³ weeks [Ⓟ] remove sutures 3 weeks Release
1/30/01		62.5 Omeprazole w/ loss PCV 25 TP4.0 Removed sutures OK Release [Ⓟ] Release 2/1/01 - K Roy [Ⓟ]

Need - Dr Morris' medical report when Sutures removed

TODAY'S DATE 2/1/01 low tide.

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Paula Suzuki 12-09-00 Ko'olina

via Robert Tomasetti (SSG) Oahu

PERSON RECORDING DATA: MJB

Made circles, not orienting well but finally out; No sign of excess tag jangly

OLD TAGS:

NEW TAGS: RFL RH LH LFL

424320376C

4250033876

TUMOR SCORE

1

OTHER NEW TAGS:

By G.B. & Dianne Brasalle Released 4 PM KBAV Beach Park

SPRINT Photos 3/1 of head

STRAIGHT CARAPACE-LENGTH:

65.1

WIDTH:

52.2

NOTCH LENGTH:

65.0

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

70.5

WIDTH:

62.5

Moderate encrustation

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:

-

Blood for DNA, PLASTRONS and DOTS.

WEIGHT:

62.2

DESCRIPTIVE REMARKS: AND

#2 LTH Remaining others surgically removed

3.6 LIQ

Right eye #1

SEA TURTLE NECROPSY / TUMOR FORM

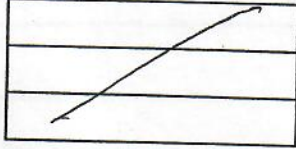
DATE FORM FILLED OUT 12/11/00

NECROPSY DATE: ~~12-11-00~~ 12-9-00 MTRP STRANDING ID

CONTACT: Paula Suzuki via Robert Tomasetti (SSG)	DATE: 12-9-00	LOCATION: Ko'olina, Oahu
PERSON RECORDING DATA: SMB		

DESCRIPTIVE REMARKS: Turtle was found beached on rocks near Makakilo. Plu by Robert (SSG) and taken to MAC. Plu by SMC/DET and taken to NMFS-KRF on 12-11-00.

Plastron not soft
Bleeding cut on RHF.
Plu by DET on 01-04-01 and taken to NMFS Lab.
Taken to Halawa on 1-05-01 and then back to NMFS-KRF for further evaluation.
Plu by DET on 1-10-01 and taken to MAC.

TUMOR SCORE: <input type="checkbox"/> 1 <input type="checkbox"/>	TAGS: NEED TO SMB		SEX: Male, Female or Undetermined <input type="checkbox"/>	DB: <input type="checkbox"/>	VB: <input type="checkbox"/> 3
--	---------------------------------	---	--	------------------------------	--------------------------------

STRAIGHT CARAPACE - LENGTH: <input type="text" value="64.7"/> cm	WIDTH: <input type="text" value="51.8"/> cm
NOTCH LENGTH: <input type="text" value="64.6"/> cm	PPS (Y/N): <input type="text" value="N"/>
CURVED CARAPACE LENGTH: <input type="text" value="70.5"/> cm	WIDTH: <input type="text" value="62.5"/> cm
HEAD WIDTH: <input type="text" value="9.4"/> cm	
TAIL LENGTH: T <input type="text" value="11.0"/> cm	C <input type="text" value="7.5"/> cm
RIGHT FRONT FLIPPER WIDTH: <input type="text" value="10.0"/> cm	SAMPLES COLLECTED: <input type="text" value="Left eye tumor"/> <input type="text" value="Fedex TO Terry Spoke"/>
PLASTRON LENGTH: <input type="text" value="53.2"/> cm	
WEIGHT: <input type="text" value="166.3"/> #	

721

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	1				1	Visual
LEFT EYE		1			1	No vision
MOUTH		1			1	#2 LSH
NECK						
RF						
LF						
RHF						
LHF						
CLOACA / TAIL						
SEAMS / SCUTES						
INTERNAL						
TOTAL	1	2			3	

OTHER INFORMATION:

30 JAN 2001

Surgery on 1-11-01 by Dr. Morris to remove left eye tumor.
 2001/11 by SEL on 1-12-01 and taken to NMFS-KRF.
 Given 1.5cc IM Amikacin on 1/17, 1/19, 1/23 and 1/26/01
 Plu by SEL on 2-1-01 and brought to NMFS-CAG.

Saved for
 GHB
 TO
 Terry
 Spitzer

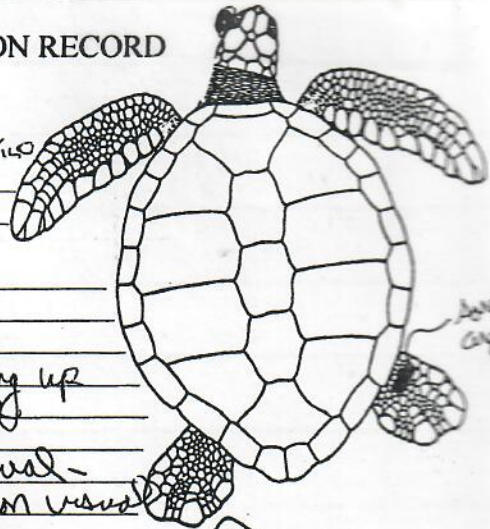
TUMOR SCORE:

1

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

LIVE TURTLE EXAMINATION RECORD

Date: 12/9/00
Turtle ID: KOOLINA RESORT - MAKAKILO
Comments: 70cm



PHYSICAL EXAM

Head and neck: normal

Mouth: R low large tumor extending up into commissure of mouth - base of nose palis tumor

Eyes: L #1 tumor lateral cannot visual - R eye - #2 - covers most of eye not visual

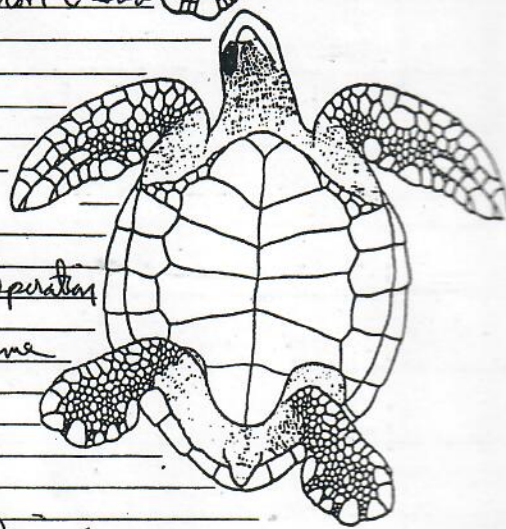
Front flippers: normal

Shell: mud covered

Plastron: flattened / slightly sunken soft in center - some midline separation

Rear flippers: R hind - sore over line size of dorsal flipper -

Tail: normal



BODY CONDITION: mild emaciation

SAMPLES TAKEN

PCV T.P. PCV 20 TP 3.0
CBC _____ Chemistries _____
Others _____ wt. 66.3

APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: Possible E. histolytica - for Research

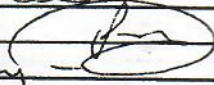
blind one eye - extensive low large tumor

Artemis
Signed: Robert A. Moore DVM



921

MEDICAL HISTORY - CLINICAL RECORD

NAME WMS		ADDRESS		TELEPHONE	
PATIENT NAME KOOLINA		SPECIES ROSOPT		BREED	SEX
COLOR AND MARKINGS		LAB		X-RAY	
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION STRADDLER 12/9/00		LAB	X-RAY
DATE	TEMP	DESCRIPTION			
1/3/01		checked at Kewalo - discussed cataract - will send to Dr. T. Wolk for post.			
1/5/01		Dr. Wolk does not want to enter. discussed surgery - decided to remove eye - if release - will schedule w/ T. Wolk			
1/11/01		brought over 1/10 for surgery -  sedate - sevoflurane anesth. 15 min to surgical plane - Bupivacaine mydriasis HR 20/min Surgery - enucleation of left eye with extensive tumor (photo) - Dura Bupivacaine blocking SA closure 2-0 vicryl - 3 layers trim lid margin - mattress sutures 2-0 nylon lid - Bupivacaine mydriasis for pain head note maintained at 16 - sevoflurane at 4% - 5% eye preserved in formalin for T.S. Recovery prolonged - maintained on O ₂ - 1cc Dopram + SA movement in 2 hr - healing pads applied - Reported to be head note 16 increased to 20 in 2 hr 1cc Dopram SA to stimulate respiration 2 1/2 hr HR 28 1cc Dopram SA 4 hrs lifted head to breathe 4 hr 20 min pulled tube gave 150 mg amoxicillin IM			

MEDICAL HISTORY - CLINICAL RECORD

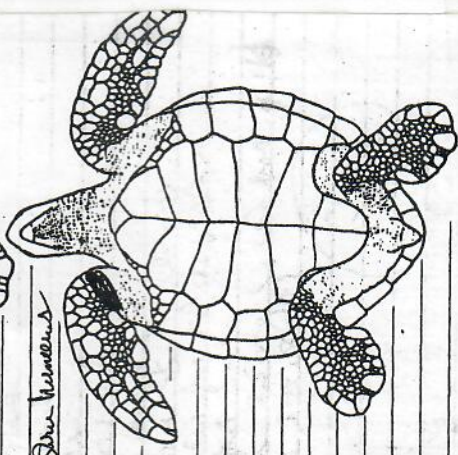
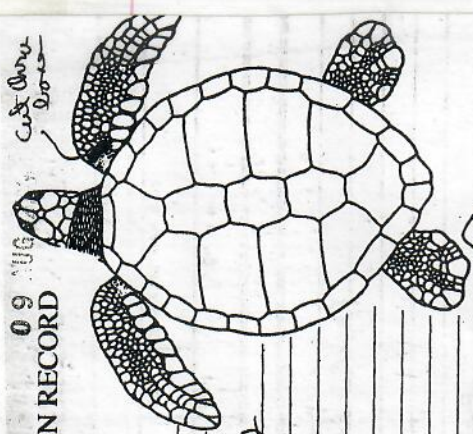
NAME N MFS		ADDRESS		TELEPHONE	
VENT NAME Koolha	SPECIES Resort	BREED	SEX	COLOR AND MARKINGS	
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION STRAVING 12/9/00	LAB	X-RAY	

DATE	TEMP	DESCRIPTION
1/11/01		Strong good 8 PMS
1/12/01		send to Kewalo
		75mg Anabin 72 hr
		gave on 1/15, 21, 24
		Wormed for flukes
		3cc praziquantel IM (Dranc®)
		PJ hold Kewalo 2 weeks
		remove sutures 3 weeks
		Release

(Signature)

101

NAME NFS		ADDRESS		TELEPHONE	
PATIENT NAME N. SHORE		SPECIES	BREED	SEX	COLOR AND MARKINGS
ALTERED YES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION \$ CAUMT BY DIVER 8/5/00		LAB	X-RAY
DATE 8/8/00	TEMP	DESCRIPTION			
		<p>P) remove 2 front flippers local lidocaine blocks (ring) Demulor .3cc IV Tetracaine .3cc IV remove flipper - debride fibrous tissue did not remove at least skin healed over bone - reduce stump with 2-0 vicryl Sg - tie off bloods 3-0 vicryl mattress sutures skin 5-0 absorb. continuous 2-0 nylon for edges of skin Strong embrocain PM Discharge Anderson 25 mg (1/2 cc) for 4/10 8/10, 8/17 - (8-11, 8-14, 8-17) Re-vic weekly 21</p>			
					(RM)



0-21
09 AUG
LIVE TURTLE EXAMINATION RECORD

Date: 9/5/00
 Turtle ID: North Shore - SMITH
 Comments: bone almost healed
 8.2.00

PHYSICAL EXAM

Head and neck: muscles where bone was
 wound and

Mouth: normal

Eyes: normal

Front flippers: 2 front - feeling loose at base
 pedicel healed

Shell: normal

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

PCV T.P. Chemistries
 CBC X-ray to bone for biopsy
 Others

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

RECOMMENDATIONS: Flippers & amputation

Signed: Robert A. Monda, DVM

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

09 AUG 2008

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 8/9/08

NECROPSY DATE: / / MTRP STRANDING ID 8-05-008

CONTACT: Marla Oliphant Via Filiesha Leland (SSG)	DATE: 8-05-008	LOCATION: Maui, B.P., Oahu
PERSON RECORDING DATA: SME		

DESCRIPTIVE REMARKS: Found with no tags or tumors on beach, RFF almost severed. P/u by Filiesha (SSG) and taken to MAC. P/u by SME on 8-9-08 and taken to NMFs-KRF. RFF amputated by Dr. Morris on 8-8-08.
PCA
Given 0.5cc IM Amikacin on 8/11, 8/15, 8/17

TUMOR SCORE: 0	TAGS:	SEX: Male, Female or Undetermined <input type="checkbox"/>
		DB: <input checked="" type="checkbox"/> VB: <input checked="" type="checkbox"/>

STRAIGHT CARAPACE - LENGTH: 45.4 cm WIDTH: 37.2 cm

NOTCH LENGTH: 45.4 cm PPS (Y/N): Y

CURVED CARAPACE LENGTH: 49.6 cm WIDTH: 43.4 cm

HEAD WIDTH: 7.6 cm

TAIL LENGTH: T 9.0 cm C 5.5 cm

RIGHT FRONT FLIPPER WIDTH: 8.2 cm SAMPLES COLLECTED:

PLASTRON LENGTH: 37.6 cm

WEIGHT: 28.2 #

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT

8/31/00

NECROPSY DATE:

MTRP STRANDING ID

8-5-00B

CONTACT:

DATE:

8/31/00

LOCATION:

PERSON RECORDING DATA:

DESCRIPTIVE REMARKS:

INDISSOLUBLE STITCHES IN RFF Amputation
 Removed by Dr. Morris.
 Turtle released Kawaiwi, Kaula Bay
 Right of way 345 pm.
 Swam out to numerous other turtles
 seen feeding on high tide

TUMOR SCORE:	LT	500F171D32	SEX: Male, Female or Undetermined	<input type="checkbox"/>
	RT	500F294A7F		
			DB:	<input type="checkbox"/>
			VB:	<input type="checkbox"/>
STRAIGHT CARAPACE - LENGTH:	<input type="text"/>	cm	WIDTH:	<input type="text"/>
NOTCH LENGTH:	<input type="text"/>	cm	PPS (Y/N):	<input type="text"/>
CURVED CARAPACE LENGTH:	<input type="text"/>	49.0 cm	WIDTH:	<input type="text"/>
HEAD WIDTH:	<input type="text"/>	cm		
TAIL LENGTH: T	<input type="text"/>	cm	C	<input type="text"/>
RIGHT FRONT FLIPPER WIDTH:	<input type="text"/>	cm	SAMPLES COLLECTED:	
PLASTRON LENGTH:	<input type="text"/>	cm		
WEIGHT:	<input type="text"/>	#		

17.1g

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

MTRP USE ONLY:
 TOPS: _____
 LOGBOOK: _____

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

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

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

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

Person calling: _____ Date and time of call: 1/19/01 11:45
 Name: Don Heacock (DLNR Kawaii)
 Full mailing address: (optional - to send sea turtle literature) Roy Yamagata (lifeguard)
 Phone: 808-274-3344 *****VERY IMPORTANT*****
 Email: (808) 639-7305 (Cell)

Location
 Where is this turtle located? Poipu, Kawaii, Found alive beached in at Poipu County Beach Park

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. 25lbs. 50lbs. 100lbs. 200lbs. 230# (including large animal carrier)
 (or circle one above)

What is the condition of the turtle? Heavily tumored all over, lethargic
 (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: 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: SEAN LOCKERMAN

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 - Don called back @ 12:55p to report that he has the turtle and is shipping it to us. Will call back in 1/2 hr W/ETA
 Lanai: 565-7916
 Kauai: 274-3521 - Aloha #114, lv. 2:45p, arr. 3:15p, # 5999 7722, @ 141.74
 Maui: 984-8110

LIVE TURTLE EXAMINATION RECORD

Date: 1/19/08
Turtle ID: Papa Bodi Kona
Comments: female not togs
est 200 LBC

PHYSICAL EXAM

Head and neck: multiple neck
tumors

Mouth: large dark pigmented lateral #4
no further tumors

Eyes: large tumors both eyes
some vision

Front flippers: multiple tumors #2 to #4

Shell: normal

Plastron: flat

Rear flippers: normal

Tail: normal

BODY CONDITION: very mild emaciation

SAMPLES TAKEN

PCV 10 T.P. 1.4

CBC _____ Chemistries _____

Others _____

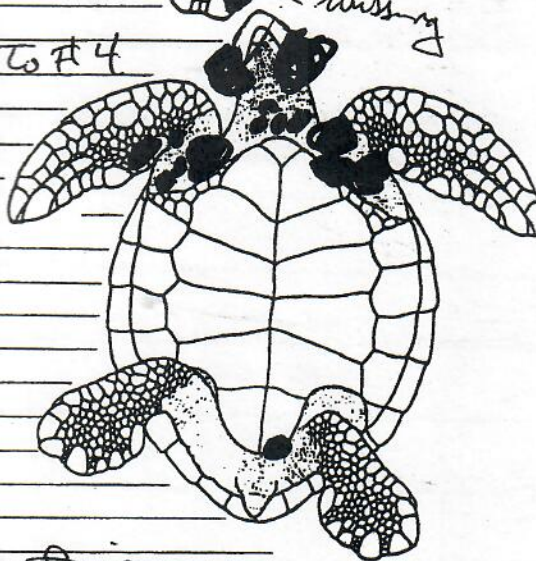
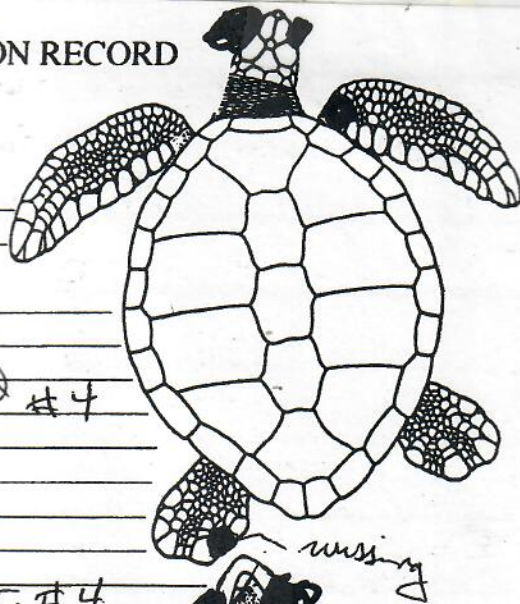
APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: Turtle not emaciated - no fatty
tumors - schedule decussate use as experimental
turtle - remove bow + some eye tumors - cryo + release

Signed: Robert A. Walsh DVM

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



OTHER INFORMATION:

Leech eggs frozen by cryosurgery (GAB).
~~Unable to get~~ tumor count. Not made -
 Estimations can be
 obtained at future
 date from photos taken
 by GB and Dr. Morris

TUMOR SCORE:

3

APPROXIMATE TUMOR SIZE CATEGORIES:

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

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME: NMFS ADDRESS: _____ TELEPHONE: _____

PATIENT NAME: DOPOI BEACH SPECIES: KAWIA BREED: _____ SEX: _____ COLOR AND MARKINGS: GREEN TURT

ALTERED ES NO BIRTHDATE: _____ SPECIAL INFORMATION: STRANDING 1/19/01 LAB: _____ X-RAY: _____

DATE	TEMP	DESCRIPTION
1-22-01		<p>Decision to do surgery / cryosurgery & release turtle if Do-poi will stay.</p> <p>Pcv 10 blood obtained from wound so value may not be accurate.</p> <p>10:15 AM - 4cc Demitorol IM</p> <p>(11:00 AM start surgery -</p> <p>10:55 3cc Torbugesic IM for additional analgesia & pain control</p> <p>Local blood superoxide HCl w/phenylephrine around all tumors -</p> <p>Analgesia good except in a few areas</p> <p>Surg removed 2 large tumors -</p> <p>bleeding ++ - applied Epi 1:4 dilution</p> <p>surg removed as much tumor tissue as possible from both eyes -</p> <p>11:55 end surgery - surg time 55 MIN</p> <p>give 500 mg Amoxicillin IM -</p> <p>Wash eyes saline</p> <p>Apply AB oint to eyes -</p> <p>evaluate in AM for release -</p>
1/23/01		<p>2.9 LBS Tumor Removed</p> <p>Tagged - CB -</p> <p>Cryosurgery -</p> <p>ready for release</p>

(Signature)

(Signature)

SEA TURTLE NECROPSY / TUMOR FORM

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DATE FORM FILLED OUT 01/22/01

Release
~~NECROPSY~~ DATE: 01/23/01 MTRP STRANDING ID 01-19-01

CONTACT: Roy Yamagata (lifeguard) DATE: 01-19-01 LOCATION: Poipu Country Beach Park, Kauai
 via Don Heacock (DNR-Kauai)
 PERSON RECORDING DATA: GKM / SME / GHS

DESCRIPTIVE REMARKS:
 Found alive, beached in lethargic condition by lifeguard.
 Plu by Don Heacock and taken to Aloha Air Cargo. Shipped to NMFS in Honolulu.
 Plu by KEM/SEV and taken to Makai Animal Clinic.
 Surgery by Dr. Morris on 1-22-01. Removed tumor from each jaw hinge, eye tumor
 Plu by SME/GHS on 1-23-01. Mototool GD 2nd left and right lateral
 Tumors removed = 25 per each tumor tagged by Dr. Morris.
 (saved frozen 29 lbs total) ^{SE} need to score and enter on TMR sheet.

over →

TUMOR SCORE: **3** ^{PHIO} _{to surgery RHF}

NEW TAGS: 410C0B5E35
 4061475A6D

SEX: Male, Female or Undetermined **F**

DB: **0** VB: **0**

STRAIGHT CARAPACE - LENGTH: **87.4** cm ^{Blood dots + DNA + Plasma bank}

WIDTH: cm

NOTCH LENGTH: **87.4** cm ^{Blood sample obtained Dr. Morris collected TMR surgery.}

PPS (Y/N):

CURVED CARAPACE LENGTH: **93.0** cm

WIDTH: **86.0** cm

HEAD WIDTH: cm ^{Blood sample from para vertebral sinus NOT successful}

TAIL LENGTH: T cm

RIGHT FRONT FLIPPER WIDTH: cm

SAMPLES COLLECTED: ^{The Tumors taken off by surgery (frozen) & freeze/thawed 3X-4 AT TIMES 2X-3 other times.}

PLASTRON LENGTH: cm

WEIGHT: **190** lbs #

10 PM, Heyeope Beach Park - Swam slowly out from shore

SEA-TURTLE NECROPSY / TUMOR FORM

LOCATION, SIZE, AND NUMBER OF TUMORS

DATE FORM FILLED OUT 12/05/00

NECROPSY DATE: 1 / MTRP STRANDING ID 12-05-00

CONTACT: Daniel Freedman
 DATE: 12-05-00
 LOCATION: Kaneohe Bay, A.O.I.
 PERSON RECORDING DATA: Kt SME
 Dahu

DESCRIPTIVE REMARKS:
 Found weak, beached on the sandbar in Kaneohe Bay Borrowed someone's boat to take turtle to contact's house. Picked up and dropped off at Dr. Morris office by SME of KH.
 Plu by SME/DET/KH and taken to AHMS-KRF on 12-06-00.
 -PCA
 -moderate emaciation

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	1				1	posterior corner on eyeball
LEFT EYE	1				1	posterior corner on eyeball
MOUTH	2	1			3	LH 1-#2 Tongue 1-#1 RH 1-#1
NECK		9	1		10	
RFF	4	3	1		6	
LFF	2	1	1		3	
RHF		1			1	
LHF			4	1	1	
CLOACA/TAIL			1		1	Cloaca 1-#3
SEAMS / SCUTES						
INTERNAL						
TOTAL	8	15	4	1	28	

OTHER INFORMATION:
 12-5-00

TUMOR SCORE: 3
 TAGS: K710, K711, K712
 RFL LHF RHF
~~K713, K714, K715~~
 PIT 407D35414F
 SEX: Male, Female or Undetermined
 DB: N
 VB: 34
 WIDTH: 51.8 cm
 PPS (Y/N): N
 WIDTH: 50.0 cm

STRAIGHT CARAPACE - LENGTH: 70.8 cm
 NOTCH LENGTH: 70.6 cm
 CURVED CARAPACE LENGTH: 75 cm
 HEAD WIDTH: 10.5 cm
 TAIL LENGTH: T 16.0 cm
 RIGHT FRONT FLIPPER WIDTH: 11.3 cm
 PLASTRON LENGTH: 55.0 cm
 WEIGHT: 77.6 #

SAMPLES COLLECTED:
 C 10.5 cm

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

LIVE TURTLE EXAMINATION RECORD

13 DEC 2000

Turtle ID: 12/5/00 Kanaka Bay K710
Comments: found on sandbar previous history attached RF K710

PHYSICAL EXAM

Head and neck: multiple red tumors

Mouth: left ventral #2 tumor extends into mouth small #10 tumor R side in mouth no other tumors

Eyes: left #1 tumor Right possible #1

Front flippers: R - multiple tumors - ventral #3^a RFP - partially ~~deformed~~ deformed

Shell: algae

Plastron: firm slightly swollen

Rear flippers: left #4 vent. Right #2

Tail: multiple tail tumors

BODY CONDITION: moderate emaciation

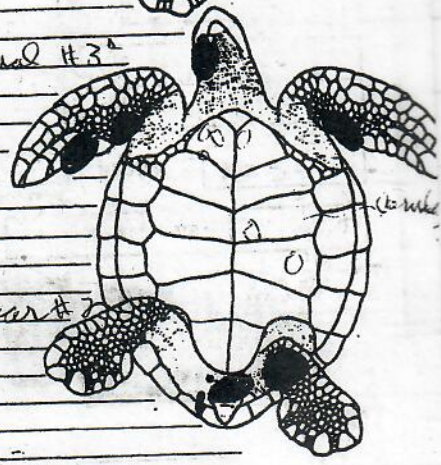
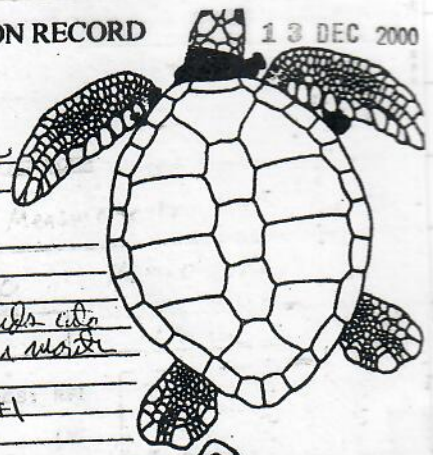
SAMPLES TAKEN
PCV 18 T.P. 1.9 wt. 77.8
CBC _____
Chemistries _____
Others _____

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

RECOMMENDATIONS: Passelle euthanasia - observe in water - may be more valuable as research animal - call w/ CB

Signed: Robert A. Morris DVM

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



SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: Measurements taken 1-11-01.

Daniel Freedman ID 12-05-00 Kaneohe Bay, A.O.L.
 PERSON RECORDING DATA: Oahu

OLD TAGS: K710, K711, K712
 RFL, LHF, RHF
 TUMOR SCORE: PIT 407D35414F
 NEW TAGS: RFL
 LFL
 OTHER NEW TAGS: End of RFF Partially MISSING and lost

STRAIGHT CARAPACE-LENGTH: 70.8 WIDTH: 52.5

NOTCH LENGTH: 70.4 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 75.5 GB WIDTH: 65.8 GB

HEAD WIDTH: 10.5 SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE N

TAIL LENGTH: T 15.5 c 11

RIGHT FRONT FLIPPER WIDTH: SAMPLES COLLECTED:

PLASTRON LENGTH: 50 Print picture 1 - Head & shoulders 1 - Full Body PLASTRON

WEIGHT: 84.9

DESCRIPTIVE REMARKS: 2 large #1's associated w/# 3.

Released 2:15 pm 1-12-01
 Kaneohe beach, Puka by GIB
 Warm straight out straight and strong - when out 50meters

1-12-01
 LIQ = 4.9
 EC
 injected

1-12-01

1-12-01 (Cloaca 1-12-01) GIB. CRYO X3 Probes per Tunn
 LSH 1-#2
 LFF (ventral shoulder) 1-#2 1-#1
 RFF (Shoulder) 1-#2

Released on 11-29-00 at Mokuleia Army Beach
by GHB & SME. Turtle swam straight out, lifted
its head up once, and wasn't seen again.
SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Terr. Gwynn via Steve English 9-14-00A
PERSON RECORDING DATA: SME/SEL Mokuleia Army Beach, Oahu

OLD TAGS: [] NEW TAGS: ^{RUF} 500E466A46
~~RFL~~ []
^{CHF} 5019412441
~~LFL~~ []
TUMOR SCORE: [] OTHER NEW TAGS: []
[]

STRAIGHT CARAPACE-LENGTH: 54.0 WIDTH: 43.6

NOTCH LENGTH: 53.9 DB: \emptyset L.O. VB: \emptyset L.O.

CURVED CARAPACE LENGTH: 58.0 WIDTH: 52.5

HEAD WIDTH: 8.1 SEX: MALE, FEMALE OR UNDETERMINED U

PPS: YES OR NO OR NE Yes

TAIL LENGTH: T 12.0 c 8.5

RIGHT FRONT FLIPPER WIDTH: 9.4 SAMPLES COLLECTED:

PLASTRON LENGTH: 43.6 Blood dots

WEIGHT: 39.5

DESCRIPTIVE REMARKS:
2 Digital Photos taken of Rt. eye
1 " " " " Lt. eye
3 " " " " SME holding turtle
2 " " " " Turtle going towards beach

39.5

2.3 cc LIQ
Released at Mokuleia Army Beach
by GHB & SME @ 1:45 p.m.

113

4MP/1/1100

LIVE TURTLE EXAMINATION RECORD

11-27-00 Release of ~~Monofilament~~ ~~around~~ ~~base~~ ~~of~~ ~~flipper~~

Date: 9/14/00
Turtle ID: NUKULEIA BEACH
Comments: CAUGHT IN WATER - MONOFILAMENT

X-ray 422

LINE FLIPPER & DOWN THROAT
PHYSICAL EXAM NO TUMORS

Head and neck: 2 LINES GOING DOWN THROAT
UNABLE TO REMOVE - CUT SHORT -
NICK?

Mouth: SEVE ABOVE

Eyes: NORMAL

Front flippers: LEFT FLIPPER - MONOFILAMENT AROUND
BASE - CUT THRU ONE

Shell: NORMAL

Plastron: NORMAL

Rear flippers: NORMAL

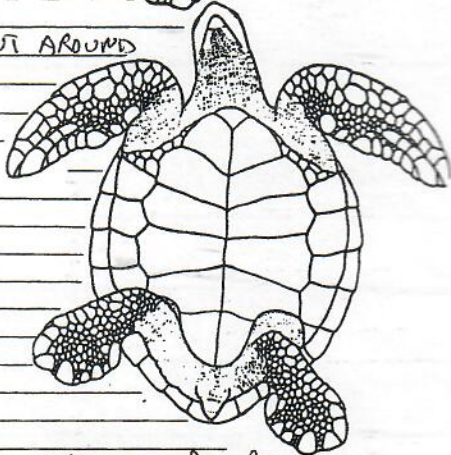
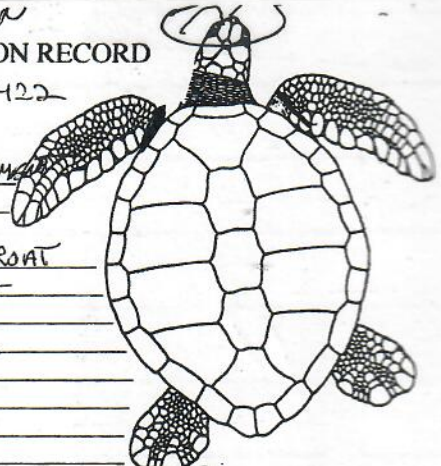
Tail: normal

BODY CONDITION: GOOD - Re-evaluation 9/18 - moderate
emaciation -

SAMPLES TAKEN
PCV T.P. taken 9/18 PCV 10
CBC Chemistries TP 2.0
Others RAY

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

RECOMMENDATIONS: Remove Flipper - guarded
Prognosis because of incident mono line & injured
other flipper - schedule for 9/18/00
Signed: Robert A. Morris



MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME MOKULEIA ARMY BAND		ADDRESS -9/14/00		TELEPHONE	
PATIENT NAME		SPECIES		BREED	
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>		BIRTHDATE		SPECIAL INFORMATION	
				LAB	
				X-RAY	

DATE	TEMP	DESCRIPTION
9/14/00		cut deep (2) open down throat Removed mass from left flipper older mono cuts (B) flipper base - cleaned wounds - started on 100 mg Amoxicillin 1M Schedule Surg. 9/18 - held in clinic
9/17/00		100 mg Amoxicillin 1M Repeat 22 hrs
9/18/00		Surgery 5 Sulfatrim 1M intubate and gas down w/ isoflurane good Surg plane 270 Surgical removal flipper - remove humeral at shoulder joint - debride necrotic tissue - #1 vertical - muscle & joint closure #1 vertical SQ - #5 external continuous skin crest turned off - 15 min before end of surg - surg time 40 min movement 45 min after crest off PCV 10 TP 2.0 gave 400 cc Normal R 1P 1cc Bup 1M 1cc ADK 1M wrote on recovery left tube in for 5 hrs pulled 5:30 PM Sudo to Kewalo tomorrow 50 mg amoxicillin 9/20, 9/23

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME PATIENT NAME	SPECIES	BREED	ADDRESS	TELEPHONE
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION	SEX	COLOR AND MARKINGS
DATE	TEMP	DESCRIPTION	LAB	X-RAY
10/5/00		<p>Re ✓ wt 40.4 lbs PCV 10 TP 3.0 no edema or OP in conjunctiva conjunctiva side conjunctiva edema when open front leg P) Adrenal gland 1M P) Ice wrapped 1M Ice bath 1M Ice 1M need in captivity with PCV 20 Re ✓ in 4 to 5 per etc</p>		
11/3/00		<p>Rechecked twice strong wobb - sitting wobb - R flapper very weak wobb - some ground in tarsus PCV 15 TP 3.4 WT 34.5 clear flapper over tarsus flapper over eye - no edema no edema wobb - AF wobb PCV WT wobb weak wobb flapper - P) Ice wrapped 1M Ice 1M wobb wobb PCV 20 send grade to K entada</p>		

MOKAI ANIMAL HOSPITAL
420 ULUNUI ST.
HAULIA, HI 96754

INDEX 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, MONULEIA BEACH

REQ #: 2179082
AGE: SEX:
SPECIES: GREEN TURTLE
BREED:

LAB #: 85900890
COLLECTED: 11/24/2000
RECEIVED: 11/25/2000 12:18
REPORTED: 11/27/2000 11:03

DOCTOR: MORRIS, R
TEST PROCEDURES
AUTAN/EXOTIC CBC AND PLASMA PROTEIN
AUTAN/EXOTIC CBC AND PLASMA PROTEIN

RESULTS	REFERENCE RANGE	UNITS
* WBC COUNT	14.5	THOUS.
* HCT	21.0	%
* HETROPHILS	16	%
* NEUTROPHIL SEG	6	%
* LYMPHOCTES	78	%
* ABSOLUTE HETROPHIL SEG	2320	MM3
* ABSOLUTE NEUTROPHIL SEG	870	/ul
* ABSOLUTE LYMPHOCTE	11310	/ul
* THROMBOCYTES	ADEQUATE	
* BLOOD PARASITES		
* NO PARASITES SEEN		

REMARKS
THIS IS A CORRECTED REPORT. PLASMA PROTEIN VALUE HAS BEEN ADDED.
FEW REACTIVE LYMPHS PRESENT
CBC MORPHOLOGY APPEARS NORMAL.
NEUTROPHILS = 62/100
PLASMA PROTEIN 5.4

BATCH #: 004

*** FINAL REPORT ***

NMFS, MONULEIA BEACH

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 MONULEIA BEACH 9/17/00	LAB	X-RAY
DATE	TEMP	DESCRIPTION		
11/24/00		Sheds at Kewalo Down well / appetite good - Re check CBC - draw blood - CBC - PCV 21 TP 5.4 WBC 14,500 - count OK for release - Recommend release -		
		RM		

DATE FORM FILLED OUT 9/29/00
NECROPSY DATE: 1 1 MTRP STRANDING ID 0-24-00A

CONTACT: Ken Nichols DATE: 0-24-00A LOCATION: Haleiwa, Oahu
PERSON RECORDING DATA: SME

DESCRIPTIVE REMARKS:
9/27/00 Released Kawaunoi, Kailua Bay, Oahu
Right eye furrow and glottal removed by MAC Surgery
High tide - numerous turtles foraging in shallow water. 2 photos.
Blind in Right eye

TUMOR SCORE: 0
TAGS: 502E24586D
500C4D6253
SEX: Male, Female or Undetermined
DB: 0 VB: 0

STRAIGHT CARAPACE - LENGTH: 63.7 cm WIDTH: 49.8 cm
NOTCH LENGTH: 63.6 cm PPS (Y/N): Y
CURVED CARAPACE LENGTH: 67.5 cm WIDTH: 58.5 cm
HEAD WIDTH: 9.6 cm
TAIL LENGTH: T 14.0 cm c 9.5 cm
RIGHT FRONT FLIPPER WIDTH: 10.7 cm SAMPLES COLLECTED:
PLASTRON LENGTH: 50.8 cm
WEIGHT: 65.3 #
04.7-19.4
"new" (D) motobled on 3rd cat, left & right.

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

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT

9/22/00

NECROPSY DATE: / /

MTRP STRANDING ID

9-4-00

Haleiwa

CONTACT:	DATE: 9/24/00	LOCATION:
PERSON RECORDING DATA: BACAZS		

DESCRIPTIVE REMARKS:

9/22 3x each 3 #2 tumors
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

RFF

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:

SAMPLES COLLECTED:

PLASTRON LENGTH:

53.9 cm

PRINT
Photos

WEIGHT:

80.6 kg

LOCATION, SIZE, AND NUMBER OF TUMORS

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

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

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

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 9/22/00

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

CONTACT: DATE: 9/24/00 LOCATION:

PERSON RECORDING DATA: BACAZS

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

TUMOR SCORE: 2 TAGS: 500F20427A SEX: Male, Female or Undetermined U
502E63480D 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 kg

SAMPLES COLLECTED:
PRINT
Photos

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

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

[Empty box for capture date, location and method]

PERSON RECORDING DATA:

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="text"/>	<input type="text"/>	RFL <input type="text"/>
ORAL TMRS EXT: YES OR NO	<input type="text"/>	LFL <input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
EMACIATION CODE	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

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: #

DESCRIPTIVE REMARKS:

SAMPLES COLLECTED:

[Empty box for samples collected]

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 8, 14, 08

NECROPSY DATE: MTRP STRANDING ID 08-06-00

CONTACT: Tia via Shore (DOCARE) via Filicsha Leland (SSA)	DATE: 08-06-00	LOCATION: Waimanalo, Oahu
PERSON RECORDING DATA:		

DESCRIPTIVE REMARKS: *Turtle swallowed hook while fisherman was fishing. Retrieved by fisherman and brought to shore. Taken to MTRP 8-6-08 by Filicsha Leland - 497 Kalaniana'ole*
 Release by Sean Locherman
 CA. Moderate emaciation
 Released turtle straight into the light of Blue Ocean. No problems - still contact asked about info. I told her that it was mailed to her.
 Home of Eleanor Kawanana aka P: 259-8739
 Picked up at 8:40 AM by SEB and taken to NMFS - UAF LHF

TUMOR SCORE: 0

TAGS:
4061637C5B

410B4B100A

SEX: Male, Female or Undetermined

DB: VB:

STRAIGHT CARAPACE - LENGTH: cm

WIDTH: cm

NOTCH LENGTH: cm

PPS (Y/N):

CURVED CARAPACE LENGTH: cm

WIDTH: cm

HEAD WIDTH: cm

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm

SAMPLES COLLECTED: LIQ 1.0 mL

PLASTRON LENGTH: cm

blood 6.0 mL sample

WEIGHT: #

LIVE TURTLE EXAMINATION RECORD

Date: 8-8-00 X-ray # 396

Turtle ID: Waimanalo

Comments: Caught on line - both hooks in f. side & l. side 19.8 lbs

PHYSICAL EXAM 48 1/2 cm

Head and neck:

normal

Mouth: normal - no RADS hooks in throat area & after gaster

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 X-Ray - 2 hooks - 1 in throat area 1 in mid to lower GI tract

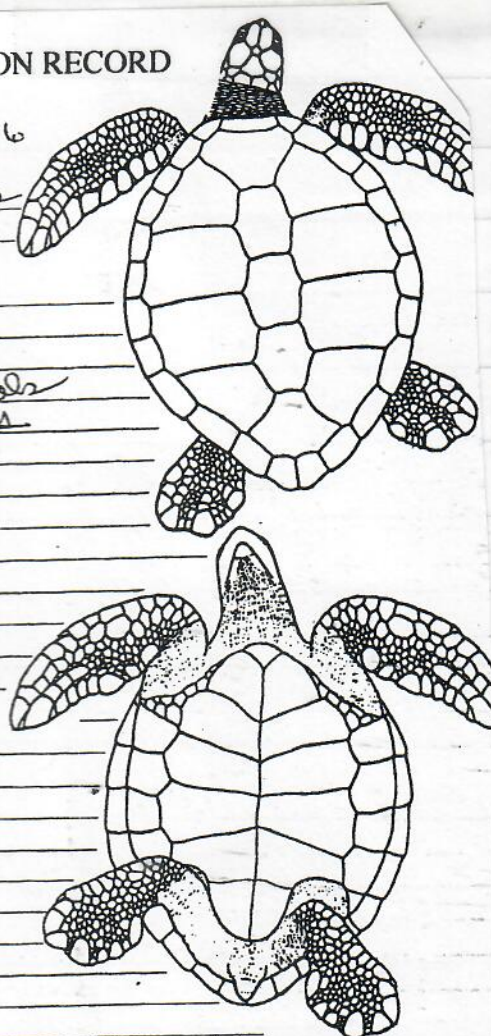
RECOMMENDATIONS:

will have to sedate & see hook location & try to remove hook in throat

Signed: Robert Amos DVM

APPROXIMATE TUMOR SIZE CATEGORIES:

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



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

MEDICAL HISTORY - CLINICAL RECORD

OWNER NAME NMFS		ADDRESS			TELEPHONE
PATIENT NAME WAIMANALO		SPECIES	BREED	SEX	COLOR AND MARKINGS
ALTERED ES <input type="checkbox"/> NO <input type="checkbox"/>	BIRTHDATE	SPECIAL INFORMATION hooked on fishing line		LAB	X-RAY

DATE	TEMP	DESCRIPTION
8/6/00		Sedate w/ Dormitor .3cc IV Thoracal .3cc IV
8/9/00		Attempt to remove hook but not enough sedation - Re-sedate tomorrow for gas, another intubate + put on saline - 48 hrs sedate - extract hook w/ needle holder - (20 min) throat Recovery time (for 20 min) (end of surgery to tube removal) 50 mg Ambisun IM Injection on 8/11 - 25 mg release next week if ok to Kauai tomorrow leave hook in lower GI tract (Rm)

SEA TURTLE NECROPSY / TUMOR FORM

Carl

DATE FORM FILLED OUT *7.5.00*



NECROPSY DATE: / /

MTRP STRANDING ID *7-4-00*

CONTACT: *KEN NICHOLS* DATE: *0* LOCATION: *HALEIWA OAHU*

PERSON RECORDING DATA: *GHB*

DESCRIPTIVE REMARKS:
Base of left FF strangled w/ fishing line that extended into mouth. down throat. Treated at MAC - line cut removed. only half of LFF was deeply cut into. Antibiotic injection given by J. No

new  *LH* *new*  *RH*

TUMOR SCORE: *0* TAGS: *395-T RH* SEX: Male, Female or Undetermined: F

Halawa beach park *LFF engorged* *397-T LFF* DB: VB:

394-T LAF

STRAIGHT CARAPACE - LENGTH: *86.7* cm WIDTH: *—* cm

NOTCH LENGTH: *NT* cm PPS (Y/N): *NT*

CURVED CARAPACE LENGTH: *93.0* cm WIDTH: *84.5* cm

HEAD WIDTH: *—* cm

TAIL LENGTH: T *NT* cm C *NT* cm

RIGHT FRONT FLIPPER WIDTH: *—* cm SAMPLES COLLECTED: *PCV*

PLASTRON LENGTH: *NT* cm

WEIGHT: *NT* #

new moto tool C & R 2 1/2" cut " 395"

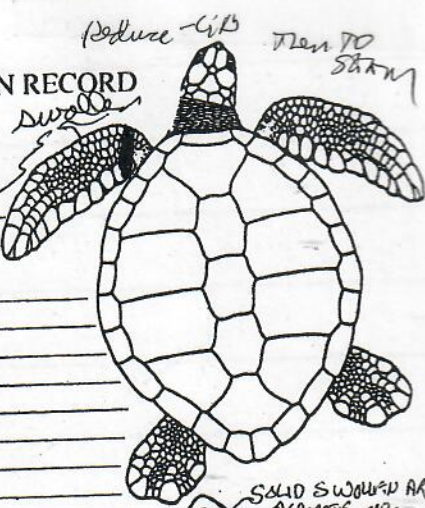
Bleeding from

coll Pany

7-2-00 Alligator

LIVE TURTLE EXAMINATION RECORD

Date: 7/1/00
Turtle ID: ~~Wah Slu~~ Ken Melades
Comments: ~~Large CA 250 lb turtle~~
Cured with lime wood flipper - found

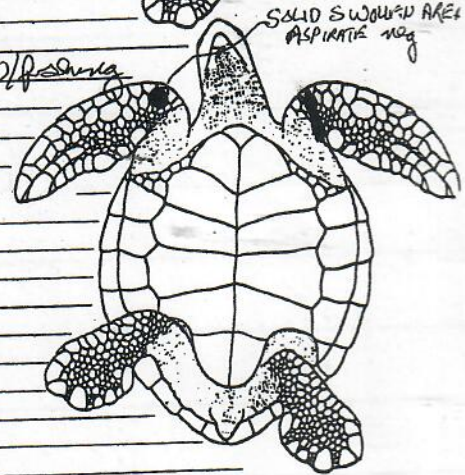


PHYSICAL EXAM
Head and neck: normal

Mouth: normal

Eyes: normal

Front flippers: Left flipper - deep laceration / trauma
Line - dorsal end swollen -
Right flipper swollen ventral -
Shell: normal



Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN
PCV 26 T.P. 5.0
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 - 10 mg
use of flipper - a cleaned wound - 700 mg
Amoxicillin 1M divided 4 times - 100 mg 4 times
Signed: RO Wilson, DVM recommended



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

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

SEA TURTLE NECROPSY / TUMOR FORM

DATE FORM FILLED OUT 05/22/08

NECROPSY DATE: / / MTRP STRANDING ID 05-20-08

CONTACT: Ken Nichols (N. Shore Diving Hdq's) via Robert Tomczak (ESG)	DATE: 05-20-08	LOCATION: North Shore, Oahu Alligator Beach
PERSON RECORDING DATA: SKB		

12:00pm
 Tumor
 Benoit
 Quincy
 from
 shore

DESCRIPTIVE REMARKS: found on fishing line around neck + LFF. Line removed from neck before ESG arrived. P/U by ESG + taken to MAC. P/U by ESG on 05-22-08 + taken to NMFS-KRF.

PCA
 Fishing line lesions on both FFs
 PIT tags placed on 05-23-08 by GHD
 1.7ml LIQ injected by SKM on 05-24-08
 #3 surgically removed by MTC Dr. Morris - dissolved to stitches
 → surgery done by GHD on 05-24-08
 → cluster of 4 (2 #2s, 2 #1s) ~~right~~ right interior shoulder
 new 5/23/08

COLE JENSEN
 working =

01-264C Kam Hwy
 Helewa, #1 96712

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

STRAIGHT CARAPACE - LENGTH: <input type="text" value="49.4"/> cm	WIDTH: <input type="text" value="37.4"/> cm
NOTCH LENGTH: <input type="text" value="49.2"/> cm	PPS (Y/N): <input type="text" value="Yes"/>
CURVED CARAPACE LENGTH: <input type="text" value="53.0"/> cm	WIDTH: <input type="text" value="48.5"/> cm
HEAD WIDTH: <input type="text" value="7.6"/> cm	
TAIL LENGTH: T <input type="text" value="10.0"/> cm	C <input type="text" value="7.0"/> cm
RIGHT FRONT FLIPPER WIDTH: <input type="text" value="7.7"/> cm	SAMPLES COLLECTED: 10cc. blood taken
PLASTRON LENGTH: <input type="text" value="40.2"/> cm	
WEIGHT: <input type="text" value="39.0"/> #	

01-264C Kam Hwy
 Helewa
 96712
 Mototool
 "179" L&R 2nd lateral

2 pr. #1
 photos
 of frozen
 tumors
 Bank and
 DNA

Al

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	TOTAL	REMARKS
RIGHT EYE	2				2	1#1 post. corner 1#1 anterior corner
LEFT EYE	1	1			2	1#2 post. corner 1#1 anterior "
MOUTH		1			1	1#2 RJH
NECK					-	
RFF	2	2	1		3	1-#3 surgical drop 2# removed at MAC
LFF	4				4	
RHF					0	
LHF					0	
CLOACA / TAIL					0	
SEAMS / SCUTES					0	
INTERNAL						
TOTAL	8	2	2		12	

OTHER INFORMATION:

TUMOR SCORE:

2

APPROXIMATE TUMOR SIZE CATEGORIES:

LIVE TURTLE EXAMINATION RECORD

Date: 5/20/00
 Turtle ID: P.S. Hore - Kan Tachols
 Comments: feeding live around shell
lost front flipper - UT 390 lbs

PHYSICAL EXAM

Head and neck: normal

Mouth: R low hinged tumor #2

Eyes: tumors both eyes but visual -

Front flippers: R - multiple tumors - pedicle #3 -
L - small #1 - feeding live around base of
broken flippers
 Shell: normal

Plastron: normal

Rear flippers: normal

Tail: normal

BODY CONDITION: good

SAMPLES TAKEN

PCV 17 T.P. 3.6
 CBC
 Others Surgeon - X-ray - no
2 Horas

weight - 39 lbs

APPROXIMATE TUMOR SIZE CATEGORIES:

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

RECOMMENDATIONS: local blocks + surgical removal
Zell Tumor R flipper - observe 0 qd to detect wound - strong
active turtle - clip experiment + release - 50mg AMIKACIN
 Signed: Robert A. Mathis DVM T.M.O.



HANAUHA BAY
OCTOBER 25, 05 Tuesday

193



10/25/2005

www.onebreathphotography.com



John Johnson
john@onebreathphoto.com

Handwritten notes at the top of the page, including "Hanauma Bay" and "October 23 of Tuesday".

Hanauma education center isn't 'invisible'

9/4/2000
ISLAND VOICES

HA AB
SALLY DRAKE

Sally Drake is a volunteer with the Hanauma Bay Education Program and a member of the East Honolulu Community Coalition.

The city has spent \$10,000 on a scale model designed to show that the Hanauma Bay project will be invisible. What is euphemistically being called the Education Center appears as a tiny bump in an aerial view of the entire bay and surrounding area.

If the city really wanted the public to understand, it would show the scale model prepared by Richard Duggan of Bishop Museum for the Mayor's Task Force Education Committee.

One glance at this floor plan reveals problems with traffic flow, handicapped access and lack of connection between parts of the building on different levels.



DRAKE

The Hanauma Bay Education Program trains volunteers to enhance users' enjoyment of the bay and increase their sense of stewardship. No one has "questioned the need for the education program" (Island Voices, Advertiser, March 11) nor denied the need for improved facilities. The value of the program is acknowledged by all, but does it justify all the facilities being planned for the upper park at the bay?

Does it justify a 10,000-square-foot building at the rim when there has been such a public outcry against building there? And when only a fraction of that space will be used for education?

Must we justify using space for utility vehicles in the building on the rim instead of a more appropriate location at the back of the park?

Does the education program justify the waste of tearing down five-year-old buildings to build another snack bar of nearly the same size (2,000 versus 2,250 square feet) nearby?

No huge center has been needed to implement the Hanauma Bay rules limiting the number of users to the park. The carrying capacity study backs this practice, too, but states: "There is no biological evidence from this preliminary point in this study to suggest that the number of visitors should be increased or decreased." All agree that increasing users' enjoyment is a valid benefit, as well as reduction of trash and strain on the bay's infrastructure, but this does not require building on the rim.

The city may think it is invisible, but at this size even Harry Potter can't make this building disappear.



01/23/2006

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DOUBTS RISE ON regional park in Ka Iwi area

Planning for Ka Iwi's future

- Key events dealing with the Ka Iwi shoreline:
 - January 1996** — Gov. Ben Cayetano, in his State of the State address, called for a "string of pearls" state park system, to include Ka Iwi on Oahu.
 - October 1996** — The City Council voted unanimously to ask the Planning Commission to study the Ka Iwi area and report back to it at the proposed Ka Iwi Shoreline Park on planning maps for East Oahu.
 - Jan. 6, 1997** — Honolulu Mayor Jeremy Harris said he would put money in the city budget to help support the state's plan to preserve some of the Ka Iwi coastline by buying it.
 - Jan. 29, 1997** — The City Council decided to "un-tilt" the state's plan to acquire property along the Ka Iwi shoreline. The council passed a resolution to sue the state for the acquisition of various parcels owned by the Bishop Estate (Kamehameha Schools) and other East Honolulu landowners in exchange for certain development rights.
 - May 1, 1997** — The state legislature approved \$2.4 million to acquire property along the Ka Iwi shoreline.
 - Aug. 22, 1997** — The state legislature approved the acquisition of Queen's Beach on the Ka Iwi shoreline.
 - Aug. 28, 1997** — The Oahu Metropolitan Planning Organization's policy committee voted to use \$4.6 million in federal highway funds to help purchase land for Ka Iwi shoreline property.
 - Oct. 9, 1997** — Developer Alan Akahoshi and Oahu Mayor Harris announced a preliminary impact assessment for a planned golf course at Queen's Beach.
 - Jan. 30, 1998** — The state offered \$1.1 million to buy Queen's Beach and adjoining land from Bishop Estate. The state's offer included the right to build a residential development on the site.
 - Feb. 9, 1998** — The state announced a preliminary impact assessment for a planned golf course at Queen's Beach.

Residents wary of plan for visitors

By Suzanne Roig
ADVERTISER EAST HONOLULU BUREAU

For more than 20 years residents have been pushing the state, the city and anyone who will listen to keep developers from building anything here — not a house, not even a golf course.

Leave the beauty unspoiled, raw and natural in this stretch of coastline called Queen's Beach or Ka Iwi, residents have said. This is the only undeveloped land on Oahu that is easily accessible to the public, state land use planners say.

About four years ago the state began listening and initiated condemnation proceedings to take the land from Kamehameha Schools, which owns the 316 acres and had an agreement with its lessees to build an 18-hole golf course there, the most recent in a series of development plans. The state valued the land at more than \$11 million. The trust valued it at \$80 million.

Miles apart on terms, the two have taken their claims to the courts. A hearing has been set for March 2001, said Lane Ishida, deputy attorney general. Kamehameha Schools could not be reached for comment.



JEFF WOODEN • The Honolulu Advertiser
Hikers walk along a trail near Makapu'u that would be part of a proposed regional park. Residents have long fought development, preferring to leave the beauty of the land unspoiled.

But in the meantime, the state has begun a series of improvements that will make the land more accessible to hikers, naturalists and residents while it works through the process to gain ownership.

At the close of this legislative session, Gov. Ben Cayetano approved the release of \$1.4 million in construction funds to put the area's utility lines underground, said Kalston Nagata, head of state parks. It's a lot of money, Nagata said, because the area is rocky and will require extensive excavation to bury the lines.

"We want to preserve the view plane," Nagata said. "It fits in with this conceptual plan for the area."

At the same time, the city is working on purchasing 30 acres of land from Kamehameha Schools on Kalaheo Highway on either side of Kealahou Street. The land was the object of a tug of war between residents who wanted to preserve it as undeveloped and Kamehameha Schools, which pushed to build some 100 homes on it in the late 1980s. A ballot initiative stopped the development, but that issue also is before the courts.

The U.S. Park Service did a study and found that the area was unique and should be preserved as a natural park," said Phil Estermann, an organizer of the Save Sandy Beach effort. "All the studies endorse the unique value of that shoreline: it's a shoreline that needs to be kept open and undeveloped."

Some residents, however, had not considered a regional park, with information booths and tour bus parking in their vision when they launched their efforts to stop development here.

"I don't think it was in anyone's plan to make a regional park out of this space," said David Matthews, who started the Ka Iwi Action Coalition 14 years ago.

"As soon as they build the parking lots, it won't be open space any longer," he said.

"I hate the thought of a visitor center here and another at Hanauma Bay. Do they (city and state governments) really need one every 1,000 yards?"

To pay for the land, Mayor Jeremy Harris included \$3 million in this year's budget which goes before the council for a vote next week. Together, the two government actions — one city, one state — assure that the land from Hanauma Bay to Makapu'u will remain open space and available to the public, Harris said.

"The vision is it should be left in open space, and when you consider Sandy Beach Park and the land the state is purchasing further down, it ties it all together from Hanauma Bay and becomes one big regional park," Harris said.

The plan, put together in 1997, calls for adding turning lanes off Kalaheo Highway, a visitor center near the Ka Iwi shoreline, parking lots and access to the lighthouse, footbridges over high-water areas, a system of trails for bikers and hikers, reforestation and revegetation and interpretive signs.

The price tag is more than \$6 million, according to the 1997 estimate. The state, however, has the financial might of the federal government behind it in the effort to make a park out of Ka Iwi.

The Honolulu Advertiser
**HAWAII WAYS,
 HAWAII DAYS**

By "Uncle" Tsarkie

3-11-04

Childhood days spent at Hanauma Bay

When I was growing up in Honolulu in the 1950s and 1960s, my favorite beach was Hanauma Bay. I was luckier than most, because I got to spend a couple of months each summer camping there. Arriving at the parking lot above the bay and looking over the moss rock walls to see the "keyhole" in the coral reef was always the start of a wonderful summer.

My godparents were Irene Lee and her son Arthur. My godmother and her husband, Chuckalong, organized camp outs every summer. They also ran the little snack shop in the old green wooden pavilion that used to stand at the bottom of the winding road that traverses the hillside of the bay. Back then, private cars could still drive down to drop off camping gear.

Several families would camp together at the far end of the bay under a grove of kiawe trees. The primary duty we had as kids was to clear our camping area of kiawe thorns, the ones with the inch-long spines that easily punctured our rubber slippers. Once camp was set up, the adults would begin preparations for feeding all of us and sit around talking story. The kids got to play.

Of course, the first activity was always swimming. We usually headed for the "keyhole" to swim out to the reef, which was smoother than most. One summer we found a long plank floating in the bay and we decided to make our own diving board. We stuck it in a puka at the top of the "keyhole." We didn't think about any damage we might be doing to the coral. We were just kids having fun.

After swimming, we liked to gather around the campfire to warm up. When I was 8, I went to sit near the fire and grabbed one of those folding wooden stools with a canvas seat, and it snapped shut.

I didn't realize that it took off the tip of my right middle finger until I started to wrap the towel around me and blood began spurting out of my finger. I started crying and calling out for my godmother, affectionately known as "Auntrene."

She immediately wrapped my finger in cotton and told me to stop crying, which I did. She then drove me from Hanauma Bay to the hospital to be stitched up. I remember thinking that I had never seen "Auntrene" drive faster than the posted speed limit, but she did that day.

Another summer, we found a log about three feet in diameter and 10 feet long that was used in the movie "Blue Hawaii" as part of Elvis' front porch. We played on that log and paddled it around the bay for hours.

Sometimes we'd walk along the north edge of the bay. There's one spot where you have to walk through a hole in the lava. We liked to climb up above that puka and dive into the water there. The spot was known as "Broken Nose," but I don't remember anyone

See HANAUMA, E4

Need

Useful Information

CONVERSION

LENGTH

- 1 meter (m) = 1000 millimeters
- 1 millimeter (mm) = 1/1000 meter
- 1 centimeter (cm) = 1/100 meter
- 1 decimeter (dm) = 1/10 meter
- 1 decameter (dam) = 10 meters
- 1 hectometer (hm) = 100 meters
- 1 kilometer (km) = 1000 meters

CAPACITY

- 1 liter (l) = 1000 milliliters
- 1 milliliter (ml) = 1/1000 liter
- 1 centiliter (cl) = 1/100 liter
- 1 deciliter (dl) = 1/10 liter
- 1 decaliter (dal) = 10 liters
- 1 hectoliter (hl) = 100 liters
- 1 kiloliter (kl) = 1000 liters

WEIGHT

- 1 gram (g) = 1000 milligrams
- 1 milligram (mg) = 1/1000 gram
- 1 centigram (cg) = 1/100 gram
- 1 decigram (dg) = 1/10 gram
- 1 decagram (dkg) = 1/100 gram
- 1 hectogram (hg) = 1/1000 gram
- 1 kilogram (kg) = 1000 grams

- 24 hours = 1 day
- 7 days = 1 week
- 30 days = 1 calendar month
- 12 months = 1 year
- 365 days = 1 common year
- 366 days = 1 leap year
- 100 years = 1 century

Table of Dry Measure

- 2 pints (pt.) = 1 quart (qt.)
- 8 quarts = 1 peck (pk.)
- 4 pecks = 1 bushel (bu.)
- 1 cord = 128 cu. ft.

Table of Liquid Measure

- 4 gills (gi.) = 1 pint (pt.)
- 2 pints = 1 quart (qt.)
- 4 quarts = 1 gallon (gal.)
- 3 1/2 gallons = 1 barrel (bbl.)
- 2 barrels = hogshead (hhd.)

Table of Paper Measure

- 24 sheets = 1 quire
- 20 quires = 1 ream
- 10 reams = 1 bale

Table of Linear Measure

- 12 inches = 1 foot
- 3 feet = 1 yard
- 1 1/2 ft. (5 1/2 yds.) = 1 rod
- 660 feet = 1 furlong
- 320 rods (5280 ft.) = 1 mile

Miscellaneous Measures

Monday
7-31-06 AM
HSP

Influx of box jellyfish closes Hanauma Bay

City lifeguards closed the beach at Hanauma Bay Beach Park today because of an influx of box jellyfish. Hanauma Bay manager Alan Hong said 20 jellyfish were spotted on the beach by 8 a.m., prompting officials to close the beach. Two people already in the water were stung, Hong said.

Hong said the visitor center and viewing area above the beach remained open. He said it is a good thing that the beach is closed tomorrow for its weekly maintenance day because it's possible more jellyfish will come in.

Ocean Safety and Lifeguard Services Division officials reported 50 jellyfish in the pond area of Waikiki this morning.

- 16 drams = 1 ounce (oz.)
- 16 ounces = 1 pound (lb.)
- 100 pounds = 1 hundredweight (cwt.)
- 2000 pounds = 1 ton (T.)
- 2240 pounds = 1 long ton (L.T.)

Table of Troy Weight

- 24 grains (gr.) = 1 penny-weight (dwt.)
- 20 penny-weights = 1 ounce (oz.)
- 12 ounces = 1 pound (lb.)

Table of Circular Measure

- 60 seconds (") = 1 minute (')
- 60 minutes = 1 degree (°)
- 360 degrees = 1 circumference
- A degree of the earth's surface or a meridian = 69.16 miles at the equator.

Table of Apothecaries' Weight

METERS	YARDS	INCHES
1.000	1.093	39.37
.914	1.000	36.00

CENTIMETERS	INCHES	FEET
1.00	.394	.0328
2.54	1.000	1/12
30.48	12.000	1.000

KILOMETERS	MILES
1.000	.621
1.609	1.000

GRAMS	OUNCES	POUNDS
1.00	.035	.002
28.35	1.000	1/16
453.59	16.000	1.000

Notes:

008835

02/13/2007

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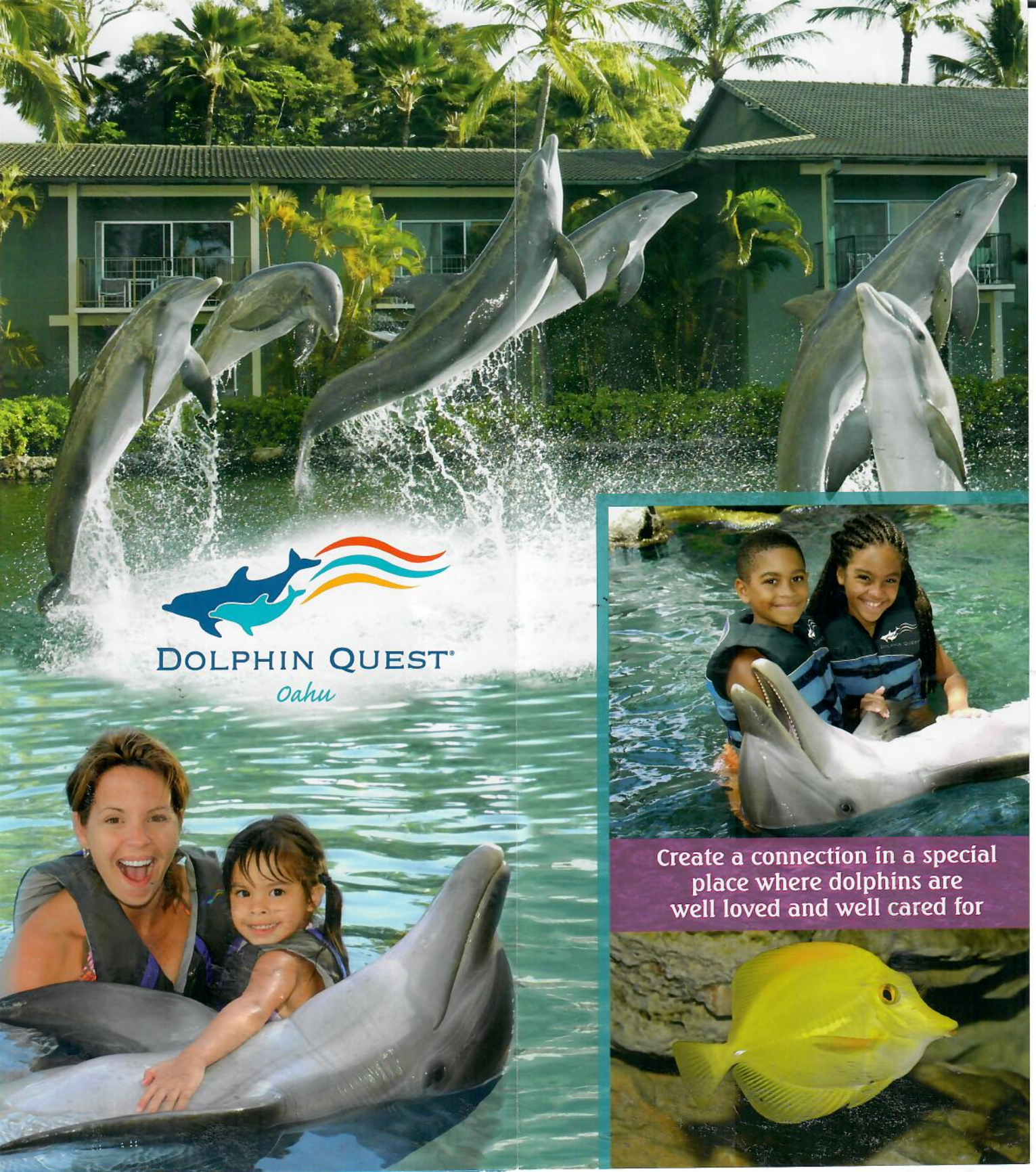


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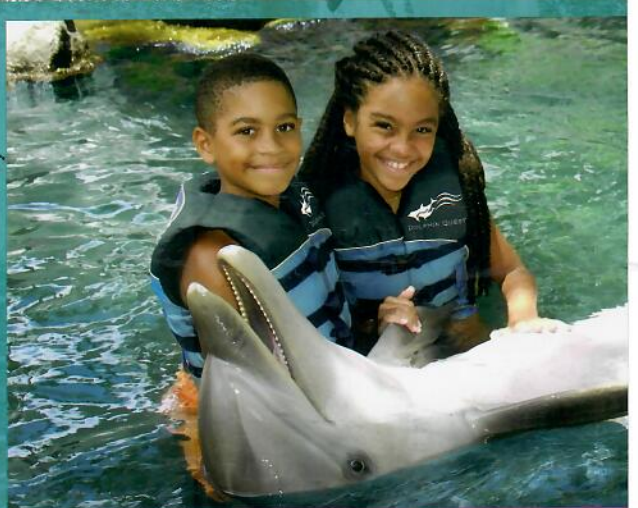


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Date	No. Captured	Hanauma Bay, Oahu		No. tumored
		No. newly tagged	No. recaptured	
12/5/2006	6	1	5	0
8/22/2006	3	3	0	0
7/18/2006	6	1	5	0
5/16/2006	9	4	5	1
2/28/2006	4	1	3	1
1/17/2006	11	4	7	0
12/20/2005	11	4	7	1
11/15/2005	8	6	2	1
10/25/2005	10	9	1	0
7/17/2001	2	0	2	1
8/8/2000	5	2	3	1
5/16/2000	11	10	1	1
4/25/2000	7	7	0	0
11/25/1992	2	1	1	1
5/20/1992	5	5	0	0
Total	100	58	42	8