

Need
OTHER
Kauai
book

BALAZS KAUAI

JUNE 1988 Oahu North Shore

1987-2008

KAUAI

G. BALAZS
808-395-6409

OR
~~983-5733~~
COLLECT

286-2899

Oct. 1987

Oct. 1989

APRIL 1994

MAY 1994

JUNE 1994

SEPT. OCT. 1994 1994

APRIL 1995

MAY 1995

KAUAI USFWS KILAUEA POINT LECTURE
FEB 15-16, 2007 P. III

KAUAI (w/PRICE) DEC. 10, 2008
LAUAI KAI & PMRF NOTHIL & NICH

G.H. BALAZS

8 OCT 87 ... KAWAI CAWAIKAI
EXCAVATIONS

23 JUNE 88 ... Oahu N. Shore Scouting
GHB & RF

26 OCT 89 ... KAWAI CAWAIKAI
EXCAVATIONS

#1 13 APRIL 94 ... KAWAI - POIPOS Sheraton Caves
NARRATIVE: p. 39ⁱ Scuba (3 captures - tags K551-K561)
DATA p. 24-26

#2 17 MAY 94 (p. 41) Sheraton Caves
Narrative: 2 Scuba - (14) new CIW/TME
+ read only 2 from 4/13/94
TAGS USED K820-K880 (some had not used)
data p. 27-31
p. 43-51

#3 JUNE 94 DATA pages - 52-53, 56-62. (New)
Narrative p. 54 (6 DNA blood samples) K943-K950 + read of from
TAGS USED = K901-K926 9/13 from 5/17
(4 Tumors)



COMPOSITION BOOK • 9 3/4 IN. x 7 1/2 IN.

AVAILABLE AS:

VM COMPUTER NO.	B&P STOCK NO.	SHEETS	RULING
09-9130	13534	60	COLLEGE RULED & MARGIN
09-9132	13535	60	COLLEGE RULED & MARGIN & PAGED
09-9134	-	100	COLLEGE RULED & MARGIN

BOORUM & PEASE CO. ELIZABETH, N.J. 07208

MADE IN U.S.A.

2 we #2 at new site -
Nukunoi Pt. -
off Poiopo Beach

#4 26 SEPTEMBER 94 SHERATON CAVES, DATA PAGES - 63-73
TOTAL (11) TAGS USED = K762-K766; K947-K950
(10 DNA blood) + 1 Resight Jw
K548-K550; K559-K561; K768-K774;
K573-K575; J633-J650

NUKUNO POINT (off Poipu Beach)
New SITE initiated 9/26/94

Don Heacock - home 808-245 5250
office 241-3400

GPS

21° 52.38

159° 27.95

Sheraton Caves

TOTAL new

= 3

need

Contact other Dive Companies before
going: Dive Kawai 822-0452;

= 14

(17)

Pathan 5; Ocean Odyssey;
Kawai Sea Sports; Mana Divers; &
Bubbles Below.

= 7

(24)

HA 11 22 CP Rick Daley boat

Dawn Matsumura 822-9403

36' white "trawler" design HA 2798E
AK

= 11

(35)

Ron Mirello - K570 CH seen
sleeping 25' deep off Koloa Landing
9/25 and 9/30/94 on Scuba

2

Torch Pres. "Aquatic Adventure"
DIVE STOP IN KAPAA

4/13/94 Row MIRITELLO
Sheraton 4-1380 KULTLO
CAVES KAPAA 96746
822-1434

RICK DALEY - HA1122CP
PO Box 759 - owner of
Waimea 96796 22' "outrigger" BW
used

338-1492 home

"Adventures West"

338-1662

shop 338-0445

335-4416

work
335-4416
471-6416

Gov. Line
471-6416

25 APRIL 95
TUESDAY

p. 108 GHB Survey from shore
of various sites -- Lyndgate,
Anini, Peli, KE KUA (Penceville),
KALIHUAI, POIPU - Spouting
Home

30 MAY 95
TUESDAY

Page 20 -

KAUAI -

ANINI Reef

Sterling Chisholm
SNORKEL
Survey of
ANINI Reef

#5 18 OCTOBER 94 SHERATON CAVES
TAGS used J801 - J821

DATA PAGES = p. 74-81

List of participants p. 114

8 captures (and one resight F792 LH
in Sheraton Cave)

3 DNA Blood

3 recaptures + 5 newly tagged = 8 total

5 = (40)

Met on Flight to Hilo 4/20/95

828-2156

Sterling Chisholm

P.O. Box 89

Kilauea, Hawaii 96754

4271

~~4721~~

ANINI Rd

ANINI Beach

END - 4453 ANINI Rd

Telecon Don Horcock

June 15, 88
1-2 days old nest at Milolii.

Long-haired guy said he ate
a turtle at Milolii the
week before.

→ First Saw "nests" ~ 15 June ←
June 19, 88
7 "nests" Kipu kai
according to Karen Cairns.

→ 50cm Hawkbill seen in
reef crack off Milolii.

NOTES

- Na Pali Management / Permit notice / Endangered Species
- No Fertility - Lawai kai
- Poss. of Hawkbill
- lights
- Eating / older case of butchered

4/6/87 Don Heacock called:

(1) Karen, reported Japanese man saying (fisherman) during the war years (1940's) as many as 25 turtles at a time could be seen on the Kipuka reef at low tide. Gas shortage, so few boats in the water, and no lights allowed at night. No mention of nesting. His "religion" didn't allow eating of turtles. Don will follow-up with his name, and first-hand info.

(2) Report from 34-year-old woman, Dept of Health employee, Hawaiian, heard 9-year-old boy a large leatherback laying eggs in sandy cave, very inaccessible, near Pali-kutoa Cardo (place name).

KAUAI BOOK

26997
1157106

- Photos of Lagoons #1 & 2 AT West Beach -

8 October 87

THURSDAY

LIHUE - LAWAI KAI

AND ANATOLA AUTOPSY

SST seen

at Hea

Aviation

arrive 10 am

depart 4:20 pm

CW-74.0cm CL-81.0cm (32 in)

Adult Male
Fresh - in cooler all
night since being found
10/7/87 Wed morning.

- photos show green & some yellow fat
 - No parasites found in heart.
 - 2 Stomachs only moderately full.
- Appear most *Anarasia*, but also some
Pterocidia. Samples for ID. Fecal matter
throughout intestines.

- TAPE INTO KAUAI BOOK -

Stella +
Gale

Bill Brastoff @ Max Doty's office
- special student

Tosh Hanaka
742-1935

Lawai Kai turtle nesting (1987)

- (1) ²⁵⁻²⁶ ~~25~~ 26 June '87 ^{fert.} ^{hatch} _{date} → 29 Aug.
- (2) 11 July '87 (5 eggs uncovered by another turtle)
- (3) 25 July '87 (
- ~~Photos~~ (4) ²⁸ 28 July '87 (38" 05 long; 28" wide); nest 50 yds west of first nest
- (5) 10 ¹¹ August '87 (tracks 31" wide); nest near river)
- (6) ²⁵ 24 Aug. '87
saw eggs laid
- (74 75)

Nest #1 - 99 eggs; all infertile or stopped in early phase; morning glory roots permeating all egg shells; 1 egg hatched on top (or was broken)

Nest #2 - 23 eggs; all infertile

#3 - no eggs found; ~ extensive coconut roots

#4 - 96 eggs - all infertile

23 JUNE 88 GB & RF depart lab
THURSDAY in VAN at 7:10 AM FOR
"SCOOTING" HABITAT-SITES ON OAHU'S
N. SHORE.

"LANIAHEA" - CONTACT
EUGENE YATLEE tel. 637-5775
61-581 POKULOA WAY
(Haleiwa 96712)

6/16/88 large w/TMR beached on rocks here.

Pete Sunburst Design
tel. 637-7702
61-735 PAPAIOA Rd.

Haleiwa

9/10/87 5-10 turtles at a time
seen in front of house.

KAWAZABA

Dr. Eugene and APRIL AMBARD
Box 856
(Haleiwa 96712)

6/3/88 call about turtles

CHRIS WINTERS tel. 736-5744

61-736 PAPAIOA Rd.
(Haleiwa)

6/8/88/ dead picked up by Vic Honda.
"Reported locals take turtles in
this area"



designs

4/10/87

George -

Thanks for your letter! We marked
 the area that we most frequently see
 the green turtles. 5-10 at a time,
 in close to the shore. It appears
 they're feeding off the limu near
 a fresh water upwelling, normally
 in calm water. Hours approx 6-10 a.m.
 Normally heading east towards Waimea.
 You're welcome to stop by my house
 anytime.

61-735 Papiaioa Rd.
 Haliima

637-7702

Aloha,

T. Dawson

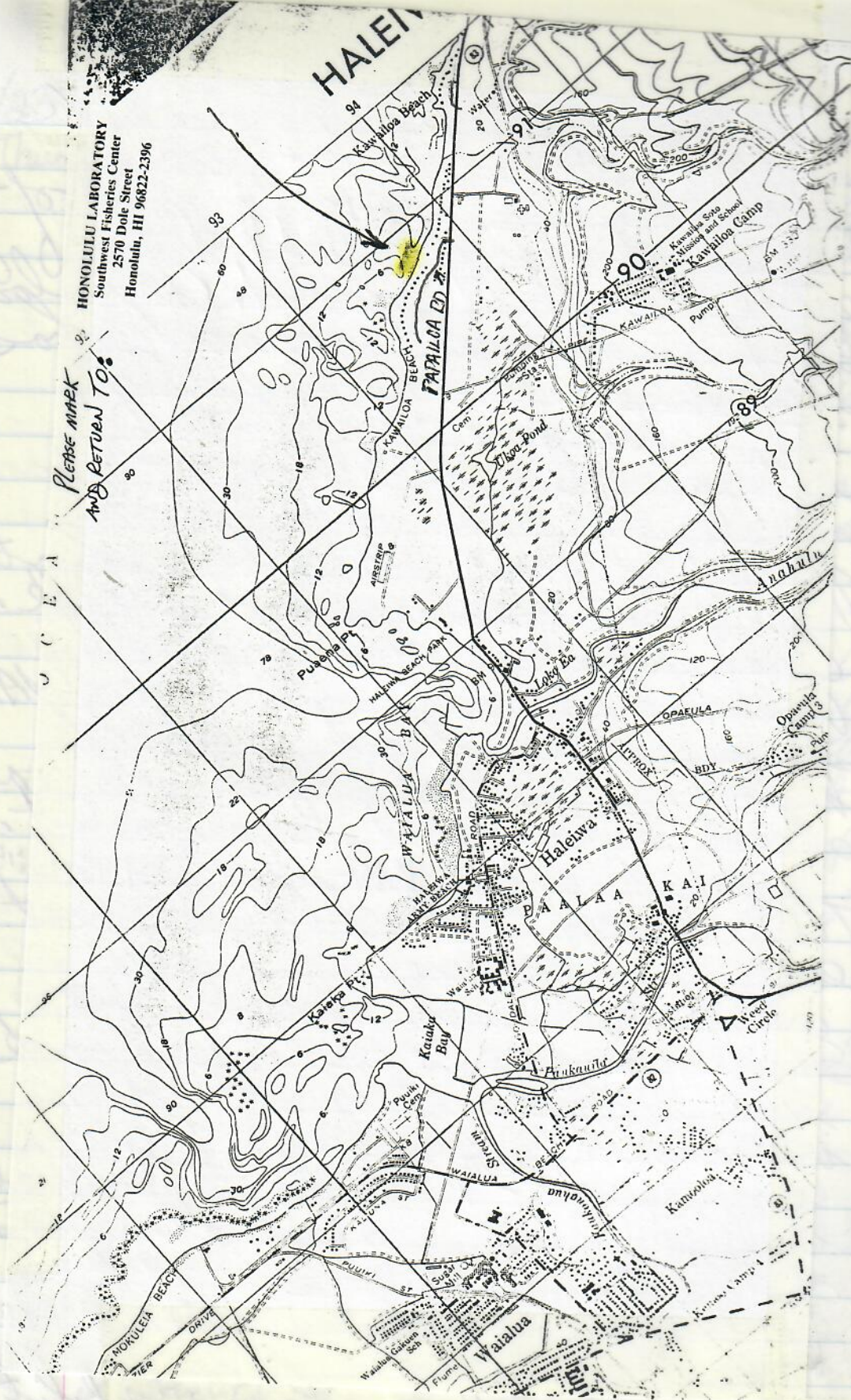
Pete Dawson

P.S. - send newspapers, ! help.

P.O. BOX 31209, HONOLULU, HAWAII 96820-1209 * PHONE 847-1960 * AREA CODE: (808)

HONOLULU LABORATORY
Southwest Fisheries Center
2570 Dole Street
Honolulu, HI 96822-2396

PLEASE MARK
AND RETURN TO:



U C E A

6/23 Arrive at Papailoa St.
 Thursday Lanikai. Drove to right of way
 at end of street. Walked
 entire length of beach (Kawailoa
 Beach). Largest ironwood has
 limestone bench in front of
 it. Watched ~ 6 turtles
 between 8:20 - 8:35 am - 3
 small in close nest to outer
 face of bench. 3 others further
 out but inside wave break.
 Close ones obviously feeding.
 Walked as far as Eugene Yatta
 house where beach meets
 highway. Walked back to van
 along highway and Papailoa St.
 Took snorkel dive gear to just
 east of limestone and dove
 out and back around it. ~~Time~~ ~ 25 minutes 9:45 - 10:15 am
 Shorebreak waves present. Looks
 like *Bryopsis* on limestone
 intertidal. Earlier *Hypsaea*
musciformis, ^{ULVA}, *Codium*, *Amansia*, *Scanthopora*
 and, at one beach section east
 of limestone, *Pteroglodia*, were
 noted washed up in pieces
 on the beach.
 Water turbid, - low visibility

Pteroglodia w/ encrusting
 noted at 7-2 M deep
 off beach just east of limestone

6/23 No turtles seen now from underwater or
 Thurs. while on shore. Walked back along
 beach (to the west) and noticed small
 black rock in near shore projecting
 out from sand. This would be ^{more} ~~long~~
 in from of 61-735 ^{Sunburst} ~~long~~
 Limestone is about where Papailoa
 branches off from main highway.
 Fresh, just Herogladia found growing
 seaward edge of this rock. No spring
 water noted. Likely this is spot
 Tam & I set net in front of -- further
 offshore if possible more rock
 exposed then due to less sand being
 present on the beach. Smooth bottom
 gravel/sand area just in front
 of rock may be a good place
 to set a short piece of net.
 Arrive ~ 7 AM and set?

Depart Papailoa and drove to
 Puukua Heights road. Examined
 site where remains of dead turtle
 seen (DABES - informant). All cleaned
 up -- nothing there now, except new
 surveyor's stake, marker paint, herbicide
 beat-back weeds in a circle.
 POSSIBLE SACRIFICE for new building??
 Proceeded to Eukai Beach Park

6/23 THURS. ate lunch. on to Kawela Bay.
 Visited with Jim Yarborough
 Don Ho's property. No development
 or charges noted. Japanese
 investment reportedly. Recently
 bought properties from Bryden that
 Jim seemed to think time
 might be less now. New house
 built on neighbors property. Some
 rocks/rubble removed by Jones
 in beach-front shallows.

Proceeded back to the west. stopped
 at obscure right-of-way at dead
 end residential street where
 Robert previously picked up a
 dead turtle.

Drove to Dillingham field ^{near}
 passing Mokuleia Beach Park (Sidella
 reports seeing many small turtles up
 to "2 miles offshore" here), Camp
 Homelani, ^{Camp Mokuleia and}
 Camp ERDMAN, ^{MOKULEIA ACQUA BENEH.} ^{Flurgun} reef
 seems to be close to shore
 all along here. Smells like kure.

Previously dove all along
 that where Linda Bafaloy's
 lived - headstarted turtles released.
 Returned to Hanalei 2:30 PM

Crazier
 drive

Needs:

- 1) Review data book containing Kaiwailoa netting.
- 2) Call Pete (61-735) to discuss
- 3) Meadow Gold cow ^{call} manure disposal?
- 4) Army Beach, State Parks, & C&C Parks
(Turtle Protection SIGN/poster +
strand reports.
- 5) Survey around Kaena Pt. - use pick-up.
- 6) Review ^{and} abstract/stranding sheets.

26 October 2010 (Monday)
 9:00 am school (Mauka)
 - Sand plots: 4/23 101 98
 4/26 102 98
 4/27 101 98
 4/28 101 98
 4/29 101 98
 4/30 101 98
 5/1 101 98
 5/2 101 98
 5/3 101 98
 5/4 101 98
 5/5 101 98
 5/6 101 98
 5/7 101 98
 5/8 101 98
 5/9 101 98
 5/10 101 98
 5/11 101 98
 5/12 101 98
 5/13 101 98
 5/14 101 98
 5/15 101 98

note - Banks used to lay down large turtles
 to the water's edge.

old cows/horses shot - pushed off cliff - 17
 18-20' sharks ate them in 10-12 min.

10/26/89 #3
 Thursday #4
 #1 ← OCEAN BANK → #5
 LAWAI KAI
 20m
 109
 #2
 #1 nest 10 Kaneko 50cm deep 2 no development 1 1/3-1/2 development roots in shells
 #4 nest 102 eggs ALL 102 HATCHED 60cm roots in shell
 ↓ separated
 #3 nest 15m from #4 70cm 101 eggs
 #5 nest 75 eggs VS 81 hatch 62cm deep + 2 no develop by Don's Count
 Kaneko

26 October TO KAWAI (ALOHA)

9:10 AM return 3:30 PM

Several photos.

Date	#	Count	Notes
5/23	#1	101	5/23 NOT LOCATED
6/2	#2	101	98
6/26	#4	102	102
6/13	#3	101	101
7/12	#5	83	81
		<u>387</u>	

TO SHTO KANEKO
 LAWAI, KAWAI
 196765

see poster sent

Note - MR. Kaneko used to harpoon large turtles TO THE WEST-NUMILO area.

18-50' 2nd area at 10-15 min
 - Photo for baiting - 1st area 2nd area 3rd area 4th area 5th area 6th area 7th area 8th area 9th area 10th area

EXCAVATION

10/26/89

STATE OF HAWAII
 Department of Land & Natural Resources
 Division of Aquatic Resources
 Box 1671
 Lihue, HI 96766
 August 3, 1989

Dates of Turtle Nesting at Lawai Kai

May

- #1 23 *NO EGG SHELLS LOCATED*
 First nesting tracks noticed by Toshi Kaneko. Estimated the nest was where the bulldozer had access to the beach. He did not see the turtle.

June

- #2 2 *(101) 98 hatched. 2 no develop. 1 partial dead. depth 50cm*
 Second nesting. 101 eggs layed by the turtle. He observed it ~~observed~~ and counted the eggs. There were no marks that he could identify. He mark the site of the nest when the laying process was complete. Estimated date of the next egg dropping would be on June 13.

- #3 13 *(101) All hatched*
 Third tracks up the beach. Came ashore 1 day ahead of prediction. Could not locate nesting site. *70cm*

- #4 26 *all 102 hatched*
 Fourth tracks noticed. The nest is about 7 feet east at about a 30' angle toward the the pine tree. Last check was made at about 11:00 pm. *60cm*

July

- 10 Turtle came up at about 10:30 pm. She was possibly chased away by the bright lights from the vehicle. Did not return that night.

- 11 Turtle came up on time. Predicted to arrive around 10:00 pm. She was again interrupted form her egg laying process. I decided that she was heading back to the ocean. She had to be tagged or we may not have had another chance. Place four tags (two in each front flipper).

TAG NUMBERS:

Inside right front flipper	6441
outside right front flipper	6442
inside left front flipper	6443
outside left front flipper	6444
<u>lost tag</u>	<u>6440</u>

MEASUREMENTS:

straight length	38 in.
width	27 1/2 in.

We also painted the letters LWK on both sides of the shell with enamel paint.

- #5 12 *(83 count by shells) 81 hatched, 2 no develop. 62 cm*
 Turtle was observed to have layed 76 eggs by Stella Kaneko.

TAGGED
 JULY
 10, 89

note - Kaneko used to lay down large turtles
 to the west - 1st area - 2nd area

She said that it was the same turtle that we had disturbed the two previous nights. She recognized the turtle by the paint on the shell.

- 31 Toshi reported that he thinks that the eggs may have hatched in nest sites 1 & 2. When I went down to confirm the event I noticed a hole and tracks from nest site 2, and a depression with tracks leading seaward from site 1. It should also be noted that there was a big freshet the weekend of July 22.

August

- 13 Toshi noticed an indentation and small tracks from the hole toward the ocean. Site #3 is to the left of sites 1 & 2 where the turtle dug up the small coconut tree.

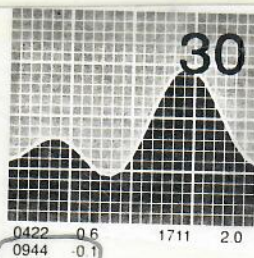
September

- 3 Site #4 has the identical kind of depression and track marks as the previous three nesting sites. Site #4 is located to the right of the dozer ramp/

13 Nesting site that Stella Kaneko witnessed 75 eggs layed had hatched. This is the last of the sites for the fore mentioned turtle.

- 14 Called George Balazs to discussed plans of checking the nests to recover and count the egg cases from the nesting sites.

MAY 95 Tuesday



30 MAY 95 ANINI Reef

6:20am Depart For Lihue, Aloha Fl.

Sterling Chisholm 828-25

→ 4271 ANINI Beach Rd.

[P.O. Box 89
Kilauea 96754

5/30/95

Depart Fl. 26 Aloha 2pm

Arrive 7:00am - Natural Gas -

TUBS. Drove to S. Chisholms - 45 minutes.

8:15am arrival - Drove with him

1) to overlook up Harry Weisberg's paved steep driveway right at

Anini. Then drove to Princeville - Sea Lodge Caydo for vantage of reef, blue holes, that

are around the NW corner of what can be seen from Anini Beach.

No turtles seen, but S.C. says they are found at wave break and just inside.

Looked like a good place for a student to do observations/courts.

Gleaze in the morning, however, from rise sun.

Afternoon best - perhaps high tide. Then drove back to his house - suited up

for snorkeling and got driven

Wade / Mr. Kareko 742-1935

reports seeing turtle

6441-6444 · 7/13/91 · Kawika;

nesting.

Also seen 6/30/91.

30 May 95

Need - Take in his letter & map -

- S.C. - Turtles seen now on turtles at Anini?

- Yost to Tom Hawai'oi Kaiser

- Bubbles Below - S.C. Says they come here. call:

- Need Scuba to explore edges - bottom of holes.

5-30-95

9 AM

S.C. saw
30thurs.

at short distance to the east where we entered water to go to deep channel cut! walked a ways, then snorkeled to it. Very deep! deep undercuts, crevices. Scuba needed to see under in shallows (need light), and to explore the bottom. Snorkeled perimeter. I saw one ~ 60 cm turtle swimming seaward. only turtle seen all day by me. We then proceeded west short distance where S.C. says they see turtles resting in the open at night. My concern was that during rough weather waves - surge would be severe here. However, undoubtedly he only goes out at night when perfectly calm. In this area, I found a few patches of Codium edile. He said he doesn't find it often. Proceeded over very

ANINI Reef Sterling Chisholm - lived in CA for 30 years.
 But raised at ANINI. Returned
 to Kawai

5/30/95
 TUES.

Small, deep cracks with ANANUSIA growing down
 in shady area of them. Proceeded to "key
 type" pot hole. Lots of crevices/places
 suitable for turtles to rest, but none seen.
 Also, no places noted in ~~the~~ coralline at
 where turtles might have smoothed or hollowed
 out areas. Proceeded to last and
 largest (perhaps deepest) cut/channel.
 Immediately out from ravine/river bed.
 Pole marking (eastern seaward side). Followed
 it toward shore, crossed over (by bridge)
 then seaward again, out to see large
 strip of floating leaves at surface right at
 dropoff of channel. At seaward end slightly
 to west of channel 6-8' water - rough
 coralline bottom. S.C. says they used to lay
 nets. I would think nets would snag up
 alot on the bottom. ~~an~~ Some Ananusia in
 Maybe turtles coming in here to feed, maybe just
 transiting for nighttime sleeping in channel.

S.C. says the really large turtles aren't seen
 at ANINI reef. Proceeded snorkel back
 across channel to his house. Note - he
 said a "big tiger shark" lives in this
 channel.
 Note - lots of synthetic debris seen - Mani
 in first pot hole channel. Lots, however,

5/30/95 imbedded in reef, hence years
old.

TUES.

24

PS Sheraton Caves = 21° 52.38 N (Recap 5)

Center w/ this record only

SEA TURTLE TAGGING FORM

159° 27.95 W

CAPTURE DATE, LOCATION AND METHOD:

4/13/94 HAND SCUBA Sheraton Caves

PERSON RECORDING DATA: RON MIRITELLO 10:30am

OLD TAGS:

Empty boxes for old tags

NEW TAGS:

RFL K551

LFL K552

TUMOR SCORE

0

OTHER NEW TAGS:

RH K553

STRAIGHT CARAPACE-LENGTH:

~~43.0~~

WIDTH:

~~34.5~~

NOTCH LENGTH:

40.1

40.7

34.5

CURVED CARAPACE LENGTH:

43.0

WIDTH:

39

HEAD WIDTH:

6.2

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH:

T 7.5

c 5.0

RIGHT FRONT FLIPPER WIDTH:

7.4

SAMPLES COLLECTED

PLASTRON LENGTH:

31.8

WEIGHT:

19

DESCRIPTIVE REMARKS: NEW RECRUIT -

Small whitish plastron - specks of PCA, but no other feeling growth on skin or shell

Recap 5/12/14

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

4/13/14	Sheraton CAVES
	Pick Hard SCUBA

PERSON RECORDING DATA: Davey 10:30am

OLD TAGS:

TUMOR SCORE

0

NEW TAGS: RFL K554

LFL K555

OTHER NEW TAGS: RHK556

LHK557

STRAIGHT CARAPACE-LENGTH: 48.8 WIDTH: 38.4

NOTCH LENGTH: 48.5

CURVED CARAPACE LENGTH: 52.0 WIDTH: 46.0

HEAD WIDTH: 7.7

SEX: MALE, FEMALE OR UNDETERMINED U

TAIL LENGTH: T 10 c 6.5

RIGHT FRONT FLIPPER WIDTH: 8.1 SAMPLES COLLECTED:

PLASTRON LENGTH: 38.7

WEIGHT: 35 lbs

DESCRIPTIVE REMARKS: PC in mouth

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

4/13/94

SHERATON CAVES
Hard Scuba

PERSON RECORDING DATA:

RON MIRITELLO

10:30am

OLD TAGS:

NEW TAGS: RFL

K558

LFL

K559

TUMOR
SCORE

0

OTHER
NEW
TAGS:

LH K560

R.H. K561

STRAIGHT CARAPACE-LENGTH:

68.9

WIDTH:

55.4

NOTCH LENGTH:

68.9

CURVED CARAPACE LENGTH:

74

WIDTH:

67.5

HEAD WIDTH:

10.4

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

17.5

C

12

RIGHT FRONT FLIPPER WIDTH:

11.4

SAMPLES COLLECTED

PLASTRON LENGTH:

54.0

WEIGHT:

—

DESCRIPTIVE REMARKS:

~~all tags~~
 healing slashes on
 6-10th marginals ^{inches} Left dorsal LFF.
 and plastron
 healing injuries and slashes likely
 from shark bite.

Dive 1

Resighting only 5/17/94
No measurements

Hand Scuba
K551 and 27
K554

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Sheraton Caves KAWAI 5/17/94	Hand Scuba
PERSON RECORDING DATA: ALAN IWASAKI - Sea Grant Agent	
9:30am	

OLD TAGS:

NEW TAGS:

RFL

K829

LFL

K828

TUMOR SCORE

0

OTHER NEW TAGS:

R/H

K827

L/H

K826

STRAIGHT CARAPACE-LENGTH: ①

75.9

WIDTH: ③

62.3

NOTCH LENGTH: ②

75.7

CURVED CARAPACE LENGTH: ④

81.5

WIDTH:

76.5

HEAD WIDTH:

11.2

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH: T

—

C

—

RIGHT FRONT FLIPPER WIDTH:

—

SAMPLES COLLECTED:

PLASTRON LENGTH:

62.2

WEIGHT:

—

DESCRIPTIVE REMARKS:

PPS.

Starting this date, PPS exam of all turtles captured at Sheraton Caves

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton Caves Hand Scuba

PERSON RECORDING DATA: ALAN IWASAKI

OLD TAGS:

NEW TAGS: RFL

K830

LFL

K820

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH

K822

LH

K821

STRAIGHT CARAPACE-LENGTH: ① 72.6

WIDTH: ② 58.5

NOTCH LENGTH: ③ 72.5

CURVED CARAPACE LENGTH:

77.5

WIDTH:

74.0

HEAD WIDTH: ④ 10.2

SEX: MALE, FEMALE OR
UNDETERMINED

J

TAIL LENGTH: T

—

C

—

RIGHT FRONT FLIPPER WIDTH:

—

SAMPLES COLLECTED

PLASTRON LENGTH:

58.2

WEIGHT:

—

DESCRIPTIVE REMARKS:

PPS.

5th - 6th mag Right - abraded injuries

SEA TURTLE TAGGING FORM

(3)

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton Caves	Hard Scuba
PERSON RECORDING DATA: ALAN IWASAKI	

OLD TAGS:

TUMOR SCORE

(0)

NEW TAGS: RFL

K831
LFL
K825

OTHER NEW TAGS:

RH	K823
LH	K824

STRAIGHT CARAPACE-LENGTH: (1) 66.0

WIDTH: (3) 53.1

NOTCH LENGTH: (2) 65.9

CURVED CARAPACE LENGTH: 71.5

WIDTH: ~~66.0~~ 66.0

HEAD WIDTH: (4) 9.5

SEX: MALE, FEMALE OR UNDETERMINED

(0)

TAIL LENGTH: T c

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH: 51.2

WEIGHT:

DESCRIPTIVE REMARKS:

18 DB. (LO)
PPS

Spike-like growth near nail of RH

(4)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/94	Sherton Caves	Hard Scuba
PERSON RECORDING DATA: ALAN IWASAKI		

OLD TAGS:

NEW TAGS: RFL

K832

LFL

K833

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH

K835

LH

K834

STRAIGHT CARAPACE-LENGTH: ①

78.0

WIDTH: ③

60.3

NOTCH LENGTH: ②

77.6

CURVED CARAPACE LENGTH: ⑤

84.5

WIDTH:

75.5

HEAD WIDTH: ④

10.4

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED

PLASTRON LENGTH:

59.8

WEIGHT:

DESCRIPTIVE REMARKS:

PPS.

SEA TURTLE TAGGING FORM

5

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton CAVES HAND SCUBA

PERSON RECORDING DATA: ALAN IWASAKI

OLD TAGS: []
TUMOR SCORE: 0

NEW TAGS: RFL K836
LFL K837
OTHER NEW TAGS: RH K839
KH K838

STRAIGHT CARAPACE-LENGTH: 57.8

WIDTH: 45.8

NOTCH LENGTH: 57.6

CURVED CARAPACE LENGTH: 62.0

WIDTH: 55.5

HEAD WIDTH: 9.1

SEX: MALE, FEMALE OR UNDETERMINED J

TAIL LENGTH: T [] C []

RIGHT FRONT FLIPPER WIDTH: []

SAMPLES COLLECTED

PLASTRON LENGTH: 47.1

WEIGHT: []

DESCRIPTIVE REMARKS:

C
Shawn - about
let's talk do here,
what do here,
Geo

**Division of Aquatic Resources
Department of Land & Natural Resources**

3060 Eiwa Street, Room 306
Lihue, Kauai, Hawaii (USA) 96766
Cellular: (808) 639-7305; Office: (808) 274-3344; FAX: (808) 274-3448
Email: donheacock@midpac.net

MEMORANDUM {turtlestrandings2002}

To: George Balazs
Fm: Don Heacock

cc. Jeff Walters, DAR Protected Species Coordinator
Kauai Monk Seal Watch Program volunteer coordinators

Subject: Green sea turtle (honu) strandings on Kauai for 2000- to present (June 2002)

2000:

26 Feb 00- Large female honu (SCL=84.4 cm; SCW=70.1 cm) with tumors resting on beach on west side of Moloa'a Bay.

Tumors: rt side of neck=10cm diam tumor; rt cheek=10 cm; rt rear corner of eye=1.0cm; rt arm pit=20cm x20cm tumor

S: I, along with Stephanie and Bob Butler, two of our Kauai Monk Seal Watch volunteers, tagged this turtle with the following tags: #0-7 rt front flipper
#0-8 lft front flipper

N: 28 Mar 00- Large (SCL=87.3 cm; SCW= 65.4 cm), healthy, female honu resting on beach on west side of Moloa'a Bay; no tumors. I tagged the animal with the following tags: #0-9 rt front flip.; #0-10 lft front flip.

2001:

H: 10 Jan 01- Badly decomposed turtle about 3 feet long reported floating about 1/2 mile offshore of Hanapepe Bay by commercial fisherman.

P: 23 Feb 01- Badly decomposed honu, SCL= 59.8 cm, SCW= 46.8 cm, washed onto breakwater inside Nawiliwili Bay. Turtle had noticeable tumors (4-5 cm diam.) around both eyes, although eyes had already been eaten out by crabs; nearly all scutes were missing from carapace

T: 7 Mar 01- Remains (anterior half of carapace, shoulder portions of front flippers) of dead turtle found floating in Nawiliwili Bay; marks on carapace indicated that it may have been a vessel impact related mortality.

F: 21 April 01- Dead turtles reported on beach just north of Anahola River mouth; this mortality was not confirmed since I received the call 24 hours after (on 22 April) the turtle was observed

WEIGHT:

[]

[]

DESCRIPTIVE REMARKS:

[]

[]

L.C.

E OR D

ES COLLECTED

RS

rks

1 Oct 01- Aerial survey of monk seals with NOAA staff revealed 18 turtles basking on beach at Miloli, and 10 turtles basking on beach near Makaha Point, Na Pali Coast State Park

11 October 01- Badly decomposed juvenile (51.25 cm SCL) honu recovered during removal of derelict netting on rocky coastline at north end of Papa'a Bay

7 Dec 01- Sick turtle with tumors resting on boulder shoreline on east side of Hanaka'ape Point (Westside of Old Koloa landing/"Whalers Cove"). SCL= 65.7cm, SCW=52.9 cm.

Tumors on turtle:

Lft cheek-5cm tumor

Lft eye: upper eyelid-2.5cm; lower eyelid-1.0cm

Lft shoulder- 3 tumors: 5,3, and 2cm diameter

Rt eye-1.5 cm

I placed the following tags on the turtle: #0-17 on left front flipper
#0-18 on rt front flipper

2002:

19 Feb 02- Sick turtle with tumors resting at east end of Brenneke's beach, Poipu. SCL=86.6 cm, SCW= 67.5 cm.

Tumors: rt eye= 2.0cm diam., lft eye=1.0 cm; base of rt front flipper=15.0 cm tumor; rt cheek=1.0cm tumor

I, along with the help of Barbara and Frank Frazier (Kauai Monk Seal Watch volunteers), placed the following tags on this turtle: #0-20 (rt front flipper)
#0-22 (lft front flipper)

28 March 02- Dead honu in Kalapaki Bay (Nawiliwili Bay); SCL= 79.7 cm, SCW= 59.5 cm. Turtle was dead about 2 days with scutes gone, and internal gas escaping from carapace that was beginning to come apart. However, tumors could still be seen on the turtle:

Both eyes were completely covered with 5.0 diam. tumors, and a 10 cm diam. tumor was located on rt shoulder. No necropsy was performed.

6 May 02 - Partially decomposed (dead about 3 da.) honu (SCL= 55.9 cm; SCW= 41.7 cm); front right flipper had been amputated, probably bitten off by a shark, at the elbow. Although the eyes had been eaten out by crabs, tumors about 2 cm diam were present around the eyelids of both eyes.

Also George, I have at least two frozen turtle mortalities to send to you in my (your) freezer that I will send to you soon.

Finally, I am out of sea turtle tags, internal tags have much better retention than external tags; if you can supply me with internal "PIT" tags and a "reader" it would be ideal. Also, we are strongly considering expanding our "Kauai Monk Seal Watch Program" to include assisting DAR/NMFS with strandings of other protected species (honu, whales, dolphins). Besides the very important help that the volunteers provide to these animals

TUMOR SCORE:

AND NUMBER OF TUMORS

R
L
M
N
R

during strandings, the volunteers can play an active role in population monitoring and tag and recapture studies. I would appreciate any help you could provide to me and to the "Seal/Turtle Watch" volunteers to help us better protect and monitor these unique animals.

Aloha no,

Don Heacock
Kauai District Aquatic Biologist
Kauai Monk Seal Watch Coordinator

L1

RHF

LHF

CLOA

Four turtles found butchered on Kaua'i

SEAM

INTE

By Timothy Hurley
ADVERTISER STAFF WRITER

State wildlife officials are investigating the deaths of four green sea turtles found slaughtered on Moloa'a Beach, Kaua'i, a known nesting site for the threatened species.

The remains were found Sunday. The turtles apparently were butchered for their meat.

OTH

Authorities are hoping for witnesses to come forward.

Killing a green sea turtle is a federal offense, with fines up to \$25,000 and a year in prison. The green sea turtle found in Hawai'i is classified as threatened under the federal Endangered Species Act.

"This is a species that is far from being recovered," said aquatic biologist Don Heacock of the state Department of Land and Natural Resources. "These turtles are dying in nettings, from fibropapilloma tumors. We shouldn't be

adding any more ways for them to get killed, particularly for adult females, which are important for their offspring to perpetuate the species."

The turtles, he said, were hacked to the extent that it was nearly impossible to tell what sex they were. But it's likely they were females, he said, since there were tracks on the beach and what appeared to be partial burrows in the sand for egg-laying.

"One plausible scenario is that the females were nesting and they were vulnerable," Heacock said.

Heacock said the advanced state of decomposition of the turtles made it too difficult to conduct a necropsy. But the estimated time of death was Friday or last Thursday.

Some visitors staying at a nearby bed-and-breakfast said they heard a commotion on the beach at about midnight Friday, Heacock said.

6/20/02 THA A1

TUMOR SCORE:

Hawaii Division of Aquatic Resources
Department of Land & Natural Resources

3060 Eiwa Street, Room 306
Lihue, Kauai, Hawaii (USA) 96766
Phone: (808) 274-3344; FAX: (808) 274-3448; Cellular: (808) 639-7305
Email: donheacock@midpac.net

Red
KK
OF TUMORS
Remarks

MEMORANDUM {turtlemortalityMolooa6-2002}

21 June 2002

To: Tarey Lowe, Kauai DOCARE
Fm: Don Heacock, Kauai DAR
cc. George Balazs, NMFS

**Subject: Green sea turtle (honu) mortalities/slaughtering on Moloa'a beach:
incident report**

On 16 June 2002 I received a call from police dispatch stating that dead honu were reported on the beach on the west (Kilauea) side of the bay. I made cell phone contact with DOCARE officer Milton Ching who went to the site to investigate the turtle mortalities.

At 7:30 am on 17 June 2002, I arrived at Moloa'a Bay and observed the following:

- 1) One large, dead, adult female honu inside the mouth of Moloa'a Stream. The honu was upside down and about 60 feet from the ocean; it apparently washed into the stream at high tide and wedged upside down under a log. The honu measured $SCL^1=73.7$ cm, $SCW^2=52.8$ cm. There were no apparent external wounds, tumors, or injuries other than the right front flipper had been recently amputated, presumably by a shark, between the radius and the humerus. The honu appeared to have been dead for at least 3-4 days based on state of decomposition (eyes and tissue all removed from head by ohiki crabs, body very bloated and scutes beginning to peel off/slough off of the carapace).
- 2) One large, dead, adult female honu ($SCL=79.4$ cm, $SCW=56.6$ cm) located on the beach about 100 meters west of Moloa'a Stream mouth. The honu appeared to have been dead about 3-4 days and was in the same state of decomposition as the honu mentioned above. There were no apparent external wounds, tumors, or injuries except for one distinct fracture at the top of the skull, about 2 cm ventral to the eyes, which appeared to have been made by a sharp knife or cane knife; the fracture extended downward from the top of the skull, was parallel to the eyes, and severed both parietal plates of the skull and extended downward into both postorbital plates. The wound could only have been made by a sharp, straight metal blade, and would have cause severe brain damage, and death to the turtle.

¹ SCL= Straight carapace (shell) length
² SCW= Straight carapace width

- 3) And 4) Two adult buttered honu with only the carapaces and plastrons left. Remnants of flesh and body fat were actively being removed from inner surfaces of the shells by fly larvae (maggots). The turtles (one $SCL=85.2$ cm, $SCW=66.0$ cm; and the other $SCL=89.0$ cm, $SCW=69.0$ cm), sex of which could not be determined because of butchered state, appeared to have been butchered at the site, located about 150 m further from honu #2, and the shells were left in an eroded depression just above the vegetation (Naupaka) line above the beach. The butchered honu appeared to have been killed by someone who knew how to butcher honu because of the "clean and efficient" separation of the plastrons from the carapaces.

All four of these honu may have died at the same time or on the same day. The location of the two butchered honu was about 50-75 m from where honu have been documented to have nested over the past 4-5 years (personal observations). There were still distinct "turtle tracks" and "partial nest digs" on the beach near (within 25 m) the two slaughtered honu when I investigated the incident.

Date: Thu, 27 Jun 2002 00:06:17 -1000
From: Don Heacock <donheacock@midpac.net>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: Buried carcasses of four turtles at Moloaa

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

RT.

Aloha George!

feature known

LT.

Our DOCARE enforcement officer, Milton Ching, worked with the County Public Works Dept on the burial of the carcasses after Ching and I examined the turtles. I'll find out the exact location of the burials. I'll be available to help you on July 8 and 9, but I've got stream surveys on the NaPali Coast scheduled from July 10-14.

NE.

Aloha, don

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

RF.

From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Don Heacock <donheacock@midpac.net>

Cc: Shandell Eames <seames@honlab.nmfs.hawaii.edu>; Shawn Murakawa

LF.

<smurakaw@honlab.nmfs.hawaii.edu>

Sent: Sunday, June 23, 2002 9:25 AM

Subject: Buried carcasses of four turtles at Moloaa

RH.

LH >

Don, I've leaving in a few hours for 10 days of vacation. Vic Honda has

CL >

spoke to me about the turtles at Moloaa. When I return I'd like to

SE >

arrange/coordinate with you to go to Kauai and exhume them for some

SE >

forensic-oriented necropsy examination. Unless in the meantime

SE >

something like this is done before I return. Hope all goes well, please

SE >

let me know your schedule starting July 8th. I presume you may be the

INTERNAL

only person who know exactly where they were buried. Aloha, George

Total

OTHER INFORMATION:

TUMOR SCORE:

Date: Thu, 27 Jun 2002 00:12:42 -1000
From: Don Heacock <donheacock@midpac.net>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Fw: Moloaa Honu Incident

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

R

L ----- Original Message -----
From: <Chris_Leeser@fws.gov>
To: <donheacock@midpac.net>
M Sent: Monday, June 17, 2002 5:03 PM
Subject: Moloaa Honu Incident

*Redwell
Kawai*

N > Don here is a string of photos taken at Moloaa Bay on Kauai, HI on
06/16/02

R > between 18:00 (6:00pm) and 19:00 (7:00pm). Turtle One (fresh water) -
05,

> position found, 04 and 07 detail.

L > Turtle Two (in surf)- 08,11,12, varied views and 13 head detail.

> Turtles three and four (empty shells) 09.

R >
> (See attached file: MVC-005S.JPG) (See attached file: MVC-004S.JPG) (See
L > attached file: MVC-007S.JPG) (See attached file: MVC-008S.JPG) (See attached
> file: MVC-011S.JPG) (See attached file: MVC-012S.JPG) (See attached file:
> MVC-009S.JPG) (See attached file: MVC-013S.JPG)

C > I will call back the reporting parties we received information from at
the

S > lighthouse and tell them what actions have been taken thus far. Please
let

> me know if there is anything else I can do.

I > Aloha

> Chris

>
> Officer Christopher Leeser
> US Fish & Wildlife Service
> Kauai National Wildlife Refuge Complex
> PO Box 1128
> Kilauea, HI 96754
> (808) 828-1413

OTHER INFORMATION:

TUMOR SCORE:

Needs -

- Call - Kawai Times -

- Banner for side of boat

X Mail literature to Ron & Rick

- Gloves / hoods

X photo by _____ ATOH
Maxine Mammal Contractor
Shark eating turtles?

SHERATON CAVES

TUESDAY
4/13/94

FL 205 6:30 am Aloha

(Don Heape suggests checking for Asbestos - from run-off - in Tumou National car rental \$32 off
Breakfast with Don at McDonalds.
Discussed ATOH project - Gave him literature on turtles/hearing.

see also page 2 page 1

50' 35 minutes

Rainy/windy. Departed for Port Allen where Rick Daley had trailered his 22' whaler. Launched and we drove (Car Mikitello also) to Kukuila Harbor, Poipu to meet boat. He didn't want to launch there due to frequently dangerous swell. Proceeded to Sheraton Caves - two commercial dive boats anchored there already.
5 Flays + ?

Reported that some squid feeding of turtles occurs. Saw turtles swim right up to boats (?). Karhas seen 1-2 turtles w/ miss.
Anchored in ~ 45-50' just seaward of Sheraton Caves. Depth of top of caves is ~ 35'. Saw 4 turtles total - caught 3. The one that got away was an adult.
Caught 40.7, 48.8, & 68.9; missed = 78.5 cm
∴ Full spectrum of benthic size classes here.

Wed

4/13/94

68.9 cm turtle had healing bite marks (1 month old) ~~on~~ on side of carapace and plastron. Turtles hauled up in harbor, then returned offshore. All swam toward caves - into sunset.

Depart Aloha FL 282 5:10 pm

Drove to Wailea - Lyndgate Park

Saw rocky walled surrounding enclosure where Wayne had removed turtles. Talked to lifeguard. None seen or reported recently. There was hint that turtles could be put in there by humans.

Saw beach in front of a hotel restaurant where David Silva was attacked.

Visited with Ran at his shop, "Aquaatre Adventures" in Kapa'a.

17

MAY 94
TUESDAY

14 new taggings
+ 2 read in water
from last month's
tagging of 3.

5/17/94 Depart Aloha 5:25 am
TUESDAY Return FL 484 4:25 pm

Scuba #1 45 minutes 50'
" #2 25 minutes 50'

Rick Daley reports recently
seeing turtles sleeping on beach
during large waves at transient
beach between Poli Hale and
Miloili.

During this trip we discovered
numerous turtles on the bottom
~100 - 200 yards west of Sheraton
Caves site in 40-50' depth.

6

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Sheraton Caves 5/17/94	Hand Scuba
PERSON RECORDING DATA: ALAN IWASAKI	

OLD TAGS:		NEW TAGS: RFL	K843
		LFL	K842
TUMOR SCORE		OTHER NEW TAGS:	
0		RH	K841
		LH	K840

STRAIGHT CARAPACE-LENGTH: 62.7 WIDTH: 50.7

NOTCH LENGTH: 62.4

CURVED CARAPACE LENGTH: 67.0 WIDTH: 59.0

HEAD WIDTH: 9.34 SEX: MALE, FEMALE OR UNDETERMINED

TAIL LENGTH: T C

RIGHT FRONT FLIPPER WIDTH: SAMPLES COLLECTED:

PLASTRON LENGTH: 49.9

WEIGHT:

DESCRIPTIVE REMARKS:
 PPS. *Pterodroma capillosea*
 (PC) in mouth

7

judging one

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton Caves Hand Scuba

PERSON RECORDING DATA: ALAN IWASAKI

OLD TAGS:

NEW TAGS: RFL

K 844

LFL

K 845

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH

K 847

LH

K 846

STRAIGHT CARAPACE-LENGTH:

59.9

WIDTH:

48.8

NOTCH LENGTH:

59.4

CURVED CARAPACE LENGTH:

64.0

WIDTH:

58.5

HEAD WIDTH:

9.9

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

—

C

—

RIGHT FRONT FLIPPER WIDTH:

—

SAMPLES COLLECTED

PLASTRON LENGTH:

48.6

WEIGHT:

—

DESCRIPTIVE REMARKS:

PPS.

DIVE 2

(18)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton Caves Hard Scuba

PERSON RECORDING DATA: ALAN IWASAKI

OLD TAGS:

NEW TAGS:

RFL

K877

K852

LFL

~~K502~~

TUMOR SCORE

OTHER NEW TAGS:

RH

K879

LH

K878

STRAIGHT CARAPACE-LENGTH:

72.1

WIDTH:

57.9

NOTCH LENGTH:

72.1

CURVED CARAPACE LENGTH:

78.0

WIDTH:

74.5

HEAD WIDTH:

10.2

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH: T

—

C

—

RIGHT FRONT FLIPPER WIDTH:

—

SAMPLES COLLECTED:

PLASTRON LENGTH:

58.3

WEIGHT:

—

DESCRIPTIVE REMARKS:

PPS,

29

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton Caves

PERSON RECORDING DATA: MIAN IWASAKI

Hard Seal

OLD TAGS:

NEW TAGS: RFL

K869

LFL

K868

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH

K870

LH

K867

STRAIGHT CARAPACE-LENGTH:

71.2

WIDTH:

56.4

NOTCH LENGTH:

70.6

CURVED CARAPACE LENGTH:

76.0

WIDTH:

70.5

HEAD WIDTH:

10.2

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED

PLASTRON LENGTH:

53.5

WEIGHT:

DESCRIPTIVE REMARKS:

P85

310

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton Caves Hard Scuba

PERSON RECORDING DATA: ALAN IWASAKI

OLD TAGS:

Empty boxes for old tags and tumor score.

TUMOR SCORE

0

NEW TAGS: RFL

K 859

LFL

K860

OTHER NEW TAGS:

RFL

K861

LFL

K862

STRAIGHT CARAPACE-LENGTH:

46.2

WIDTH:

36.8

NOTCH LENGTH:

45.9

CURVED CARAPACE LENGTH:

50.0

WIDTH:

44.5

HEAD WIDTH:

7.2

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH:

T ~

C

~

RIGHT FRONT FLIPPER WIDTH:

~

SAMPLES COLLECTED:

PLASTRON LENGTH:

35.7

WEIGHT:

~

DESCRIPTIVE REMARKS:

Heavy PCA

PPS

(411)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton Caves Hard Scuba

PERSON RECORDING DATA: ALAN IWABAKI

OLD TAGS:

NEW TAGS: RFL

K863

LFL

K864

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH

K865

LH

K866

STRAIGHT CARAPACE-LENGTH:

49.3

WIDTH:

39.2

NOTCH LENGTH:

49.1

CURVED CARAPACE LENGTH:

53.0

WIDTH:

58.0

HEAD WIDTH:

8.1

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

—

C

—

RIGHT FRONT FLIPPER WIDTH:

—

SAMPLES COLLECTED

PLASTRON LENGTH:

39.9

WEIGHT:

—

DESCRIPTIVE REMARKS:

RFF anterior has abnormal spike
1st central A base-deep
1cm inset

Heavy PCA

(4) PPS
~~Abnormal spike~~

SEA TURTLE TAGGING FORM

5(112)

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton Caves Hand Scuba

PERSON RECORDING DATA: ALAN IWASAKI

OLD TAGS:

NEW TAGS:

RFL

K851

LFL

K850

OTHER
NEW
TAGS:

RH

K849

LH

K848

TUMOR
SCORE

(2) RW

STRAIGHT CARAPACE-LENGTH:

61.3

WIDTH:

50.0

NOTCH LENGTH:

61.2

CURVED CARAPACE LENGTH:

66.0

WIDTH:

61.0

HEAD WIDTH:

9.4

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

RFF 2-#2

PLASTRON LENGTH:

48.4

WEIGHT:

DESCRIPTIVE REMARKS:

2 DB (L/D)

TUMORS

PPS

GLOTTIS

Rt eye 1-#1; neck 1-#2

1-#2. Rt jaw hinge: 3-#2

Est. 20

(Adult leeches)

(leeches treated w/ iodine, scraped off)

1-#1 LF jaw hinge (10 leeches)

R
in neckLeeches treated
with iodine
and scraped
off.

RFF

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/94

Sheraton Caves

Hand
Scuba

PERSON RECORDING DATA: ALAN IWASAKI

OLD TAGS:

NEW TAGS: RFL

K875

LFL

K880

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH

K881

LH

K876

STRAIGHT CARAPACE-LENGTH:

69.2

WIDTH:

54.9

NOTCH LENGTH:

68.9

CURVED CARAPACE LENGTH:

74.0

WIDTH:

65.5

HEAD WIDTH:

10.7

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED

PLASTRON LENGTH:

54.7

WEIGHT:

DESCRIPTIVE REMARKS:

PPS,

9-10th left - healed indent.

⑥

(7)(14)

Sheraton Caves 51
#2 Jvd
Dive 2

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/94 Sheraton Caves

PERSON RECORDING DATA: ALAN IWASAKI

Hard
Scuba

OLD TAGS:

[Empty boxes for old tags]

NEW TAGS: RFL

K871

LFL

K854

TUMOR SCORE

0

OTHER NEW TAGS:

RH

K873

LH

K872

STRAIGHT CARAPACE-LENGTH:

70.0

WIDTH:

55.9

NOTCH LENGTH:

69.6

CURVED CARAPACE LENGTH:

75.0

WIDTH:

69.0

HEAD WIDTH:

10.4

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH: T

—

C

—

RIGHT FRONT FLIPPER WIDTH:

—

SAMPLES COLLECTED:

[Empty box for samples collected]

PLASTRON LENGTH:

55.2

[Empty box for plastron length]

WEIGHT:

—

[Empty box for weight]

[Empty box for weight]

DESCRIPTIVE REMARKS:

PPS

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: Hand/SCUBA10 JUNE 1994 SHERATON CAVES/KUKUIULAPERSON RECORDING DATA: D. HEACOCK

OLD TAGS:

N/A

NEW TAGS: RFL

K 904TUMOR
SCORE#2

LFL

K 901OTHER
NEW
TAGS:LH - K 902RH - K 903

STRAIGHT CARAPACE-LENGTH:

75.5 cm

WIDTH:

59.9 cm

NOTCH LENGTH:

74.9 cm

CURVED CARAPACE LENGTH:

81.0 cm

WIDTH:

74.5 cm

HEAD WIDTH:

11.2 cmSEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

12.2 cm

SAMPLES COLLECTED

PLASTRON LENGTH:

59.2 cm

WEIGHT:

DESCRIPTIVE REMARKS:

PPS
 L EYE - (2) #1 tumors ; Right jaw (1) #2
 RFF - (1) #2 ; LFF - (1) #1 ; L jaw hinge (1) #1
 Neck - (1) #1 ; Glottis - (1) #2

SEA TURTLE TAGGING FORM

②

CAPTURE DATE, LOCATION AND METHOD: 10 JUNE 1994

SHERATON CAVES / KUKUIULA

HAWAII SCUBA

PERSON RECORDING DATA: D. HEACOCK

OLD TAGS:

NEW TAGS: RFL

K 906

LFL

K 905

TUMOR
SCOREOTHER
NEW
TAGS:

RH K 908

LH K 907

2

STRAIGHT CARAPACE-LENGTH:

70.2 cm

WIDTH:

55.5

NOTCH LENGTH:

69.2

CURVED CARAPACE LENGTH:

74.5

WIDTH:

66.0

HEAD WIDTH:

10.1

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

12.8

SAMPLES COLLECTED:

Blood sample - DNA

PLASTRON LENGTH:

54.8

WEIGHT:

DESCRIPTIVE REMARKS:

EYE - (1) #2 likely NO vision;

SHERATON CAVES #3

10 JUNE 94

79.8°F

Rick's BOAT

FRIDAY

THERMOMETER

Dan Heacock, ^①
 Rick Daley, ^②
 Ron Mirittello, [Steve ^④ + ^⑤]
 GHB ^⑥ Marc Lue ^⑦

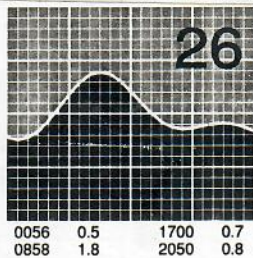
2 Dives

1 - 50 minutes - 40 ft

1 - 30 minutes - 60 ft.

Adult ♀ seen at 60 ft.

Sept
94



55

26 Sept. 94
Monday

Flight 205 Aloha 6:30am to Hawaii

Fl. 282 Aloha 5pm to Honolulu

See p. 84-85 for names of Tolcott
Assistants.

Dive #1 40 minutes 60'

Dive #2 35 minutes 50'

(3)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: 10 JUNE 1994

SHERATON CAVES, ~~HUKAULA~~, KAUAI

Hand-SCUBA

PERSON RECORDING DATA: D. HEACOLT

OLD TAGS:

NEW TAGS: RFL

--

LFL

K909

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RFL ~~K910~~
RH K911

STRAIGHT CARAPACE-LENGTH:

43.1

WIDTH:

35.4

NOTCH LENGTH:

42.6

CURVED CARAPACE LENGTH:

45.5

WIDTH:

41.0

HEAD WIDTH:

7.0

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

--

C

--

RIGHT FRONT FLIPPER WIDTH:

--

SAMPLES COLLECTED

PLASTRON LENGTH:

34.0

K909 = Blood

sample - DNA Blood

WEIGHT:

--

--

--

DESCRIPTIVE REMARKS:

Tip of LFF missing (C.V. 1994)
and
Healed

4

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: 10 JUNE 94

SHERATON CAVES, KUKUNATA, KANAI HAND-SCUBA

PERSON RECORDING DATA: D. HEACOCK

OLD TAGS: N/A

NEW TAGS: RFL K915

TUMOR SCORE

LFL K914

2

OTHER NEW TAGS:

LH K912

RH K913

STRAIGHT CARAPACE-LENGTH: 82.8

WIDTH: -

NOTCH LENGTH: 82.4

CURVED CARAPACE LENGTH: 88.5

WIDTH: -

HEAD WIDTH: -

SEX: MALE, FEMALE OR UNDETERMINED F

TAIL LENGTH: T C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH: -

WEIGHT: -

DESCRIPTIVE REMARKS: REYE 1-#1; #2 ; LEYE-(2)#1

L Jaw Hinge - (1) #2

K 554 + K 828 / sighted seen with
on Scuba at Sheraton
but not

5

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: 10 JUNE 1994

SHERATON CAVES / ~~KUKUIA~~, KAWAI

Hand-SCUBA

PERSON RECORDING DATA: D. HEACOCK

OLD TAGS:

N/A

NEW TAGS: RFL

K 916

TUMOR SCORE

3

LFL

K 917

OTHER NEW TAGS:

RH - K 918
~~LH - K 919~~

STRAIGHT CARAPACE-LENGTH:

62.4

WIDTH:

49.9

NOTCH LENGTH:

62.2

CURVED CARAPACE LENGTH:

66.0

WIDTH:

60.0

HEAD WIDTH:

[]

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH: T

[]

C

[]

RIGHT FRONT FLIPPER WIDTH:

[]

SAMPLES COLLECTED

Blood sample

PLASTRON LENGTH:

PPS

47.3

WEIGHT:

[]

NECK (4) #2 + (10) #1

DESCRIPTIVE REMARKS: SEVERE EMACIATION; mouth - large CLOACA (1) #1

tumor - glottus - (1) #3; L jaw hinge (2) #1; R jaw hinge (2) #2; REYE (1) #2 (likely no vision); LEYE - (1) #1 + (1) #2; RFF (1) #2 & (1) #1; LFF (3) #1; LHF (1) #2

6

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: 10 JUNE 1994

Sheraton Caves / Kukuwala, KANAI H
PERSON RECORDING DATA:

OLD TAGS: N/A NEW TAGS: RFL K 919
LFL K 920
TUMOR SCORE 0 OTHER NEW TAGS: RH K 921
LH K 922

STRAIGHT CARAPACE-LENGTH: 49.4³ cm WIDTH: 38.5

NOTCH LENGTH: 49.2

CURVED CARAPACE LENGTH: 52.5 cm WIDTH: 46.5

HEAD WIDTH: 7.9 cm SEX: MALE, FEMALE OR UNDETERMINED U

TAIL LENGTH: T C

RIGHT FRONT FLIPPER WIDTH: SAMPLES COLLECTED: DNA Blood sample

PLASTRON LENGTH: 38.4
WEIGHT:

DESCRIPTIVE REMARKS:

PCA

4

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: 10 JUNE 94

SHERATON CAVES, KUKUNUIA, KAWAI HAND-SCUBA

PERSON RECORDING DATA: D. HEACOCK

OLD TAGS:

N/A

NEW TAGS:

RFL K915

LFL K914

TUMOR SCORE

2

OTHER NEW TAGS:

LH K912

RH K913

STRAIGHT CARAPACE-LENGTH:

82.8

WIDTH:

-

NOTCH LENGTH:

82.4

CURVED CARAPACE LENGTH:

88.5

WIDTH:

-

HEAD WIDTH:

-

SEX: MALE, FEMALE OR UNDETERMINED

F

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

-

WEIGHT:

-

DESCRIPTIVE REMARKS:

REYE 1-#1¹#2 ; LEYE-(2)#1

L Jaw Hinge-(1)#2

~~XXXXXXXXXX~~

(7)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: 10 JUNE 1994

SHERATON CAVES / KUKUIULA, HAWAII

HAND-SCUBA

PERSON RECORDING DATA: D. HEACOCK

OLD TAGS:

N/A

NEW TAGS: RFL

K 924

TUMOR
SCORE

0

LFL

K 923

OTHER
NEW
TAGS:

RH-K 925

LH-K 926

STRAIGHT CARAPACE-LENGTH:

46.7 cm

WIDTH:

37.7

NOTCH LENGTH:

45.9

CURVED CARAPACE LENGTH:

50.5

WIDTH:

46.0

HEAD WIDTH:

7.7

SEX: MALE, FEMALE OR
UNDETERMINED

0

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

8.5

SAMPLES COLLECTED

DNA Blood sample

PLASTRON LENGTH:

36.9

~~(K923)~~

WEIGHT:

PPS

DESCRIPTIVE REMARKS:

8

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

10 JUNE 1994

SHENATON CAVES, ~~KUKUIALA~~, KAUAI

HAND-SCUBA

PERSON RECORDING DATA: P. HEACOCK

OLD TAGS:

NEW TAGS: RFL

K 950

LFL

K 949

TUMOR SCORE

0

OTHER NEW TAGS:

RH-K948

LH-K947

STRAIGHT CARAPACE-LENGTH:

47.4 cm

WIDTH:

38.8

NOTCH LENGTH:

42.3

CURVED CARAPACE LENGTH:

50.0

WIDTH:

45.0

HEAD WIDTH:

7.7 cm

SEX: MALE, FEMALE OR UNDETERMINED

u

TAIL LENGTH: T

[]

C

[]

RIGHT FRONT FLIPPER WIDTH:

8.6

SAMPLES COLLECTED:

NONE

PLASTRON LENGTH:

37.3

PPS

WEIGHT:

[]

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DESCRIPTIVE REMARKS:

end Sheraton Caves #3

(9)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: 10 JUNE '94

SHERATON CAVES / ~~KUKUIAIA~~, KAHAI HAND SCUBA

PERSON RECORDING DATA: D. HEACOCK

OLD TAGS:

NEW TAGS: RFL

K 943

LFL

K 944

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH - K946

LH - K945

STRAIGHT CARAPACE-LENGTH:

70.0 cm

WIDTH:

56.5

NOTCH LENGTH:

70.0

CURVED CARAPACE LENGTH:

75.0

WIDTH:

69.5

HEAD WIDTH:

10.7

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED

DNA Blood sam

PLASTRON LENGTH:

54.9

~~(K945)~~

WEIGHT:

DESCRIPTIVE REMARKS:

NO PPS