

Need
OTHER
book

BALAZS KAUAI

KAUAI

JUNE 1988 Oahu North Shore

G. BALAZS
808-395-6909

OR
983-5733

COLLECT

1987-2008

286 2899

2 OF 2

- 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 NOTHILITICH

end Sheraton Caves #3 (9)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: 10 JUNE '94

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

PERSON RECORDING DATA: D. HEACOCK

OLD TAGS: []
TUMOR SCORE: [0]

NEW TAGS: RFL - K 943
LFL - K 944
OTHER NEW TAGS: RH - K946
LH - K945

STRAIGHT CARAPACE-LENGTH: 70.0 cm WIDTH: 56.5

NOTCH LENGTH: 20.0

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:

PLASTRON LENGTH: 54.9 (K945)

WEIGHT: []

DESCRIPTIVE REMARKS: NO PPS

DIVE 1

1

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

9/26/94 SHERATON CAVES, HANA SCUBA
KAWA I

PERSON RECORDING DATA: J. MATSUMURA

OLD TAGS:

RH: K908

NEW TAGS:

RFL

[]

TUMOR SCORE

LH: K907

LFL

[]

2

LFL: K905

OTHER NEW TAGS:

RFL: K906

[]

[]

STRAIGHT CARAPACE-LENGTH:

70.2

WIDTH:

55.3

NOTCH LENGTH:

69.0

CURVED CARAPACE LENGTH:

75

WIDTH:

66.0

HEAD WIDTH:

10.2

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH: T

19

C

13

RIGHT FRONT FLIPPER WIDTH:

[]

SAMPLES COLLECTED:

~~SEMI~~

PLASTRON LENGTH:

54.9

WEIGHT:

[]

[]

DESCRIPTIVE REMARKS:

Suspicious bump left jaw hinge

LFF 1 - #1 dorsal scum
L eye 1 - #1
R eye 1 - #2 (blind?)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Sheraton Caves 9/26/94 Hand Scuba
KAWA

PERSON RECORDING DATA:

Dawn Matsumura

OLD TAGS:

NEW TAGS: RFL

K762

LFL

~~K762~~ K762TUMOR
SCORE

2

OTHER
NEW
TAGS:

LH: K765

RH: K766

STRAIGHT CARAPACE-LENGTH:

48.8

WIDTH:

38.9

NOTCH LENGTH:

48.7

CURVED CARAPACE LENGTH:

52.0

WIDTH:

47.0

HEAD WIDTH:

7.4

SEX: MALE, FEMALE OR
UNDETERMINED

PPS

TAIL LENGTH: T

10.0

C

7.5

RIGHT FRONT FLIPPER WIDTH:

--

SAMPLES COLLECTED:

① DNA Blood

PLASTRON LENGTH:

38.8

WEIGHT:

--

--

DESCRIPTIVE REMARKS:

Tumor: Right eye #2
 #2 Glottis #1 Right Jaw Hinge

12 Resights by GIB of K821 sleeping under ledge ← Shamu Island 65
Lester

SEA TURTLE TAGGING FORM

3

CAPTURE DATE, LOCATION AND METHOD:

Sheraton Caves, Kawai Hard Scuba

PERSON RECORDING DATA: Dawn Matsumura

OLD TAGS:

RF: K950

NEW TAGS: RFL

[]

LFL: K949

LFL

[]

TUMOR SCORE

RH: K948

OTHER NEW TAGS:

[]

0

LH: K947

[]

STRAIGHT CARAPACE-LENGTH:

48.4

WIDTH:

39.8

NOTCH LENGTH:

48.2

CURVED CARAPACE LENGTH:

52.0

WIDTH:

46.0

HEAD WIDTH:

7.5

SEX: MALE, FEMALE OR UNDETERMINED

[]

TAIL LENGTH:

T 10.0

C

7.5

RIGHT FRONT FLIPPER WIDTH:

[]

SAMPLES COLLECTED:

2 DNA BLOOD

PLASTRON LENGTH:

38.2

WEIGHT:

[]

[]

DESCRIPTIVE REMARKS:

PRS

L-Jaw Hinge 3 leeches removed

End Dive 1 Sheraton Caves

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Sheraton Caves, Kawai

Hard Scuba

PERSON RECORDING DATA: Dawn Matsumura

OLD TAGS:

LFL: K559

NEW TAGS: RFL

RFL: K558

LFL

TUMOR
SCORE

LH: K560

OTHER
NEW
TAGS:

0

RH: K561

STRAIGHT CARAPACE-LENGTH:

70.1

WIDTH:

54.6

NOTCH LENGTH:

69.6

CURVED CARAPACE LENGTH:

75.0

WIDTH:

48.5

HEAD WIDTH:

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

55.8

③ DNA Blood

WEIGHT:

DESCRIPTIVE REMARKS:

#2 Study site
Dive #2 Study site
11/26/94 New NUKUMOI Point

SEA TURTLE TAGGING FORM

1

CAPTURE DATE, LOCATION AND METHOD:

9/26/94

~~Shetland~~ / ~~Point~~ (Nukumoi Point)

PERSON RECORDING DATA:

Dawn Matsumura / MIKE HERBERT

OLD TAGS:

[Empty boxes for old tags]

TUMOR SCORE

0

NEW TAGS:

L2-3
K772

R3-4
RFL

LFL

K-773 R3-4
K-~~771~~ 771

OTHER NEW TAGS:

R+K-769
LH K-768

STRAIGHT CARAPACE-LENGTH:

84.1

WIDTH:

[Empty box]

NOTCH LENGTH:

[Empty box]

CURVED CARAPACE LENGTH:

89.5

WIDTH:

[Empty box]

HEAD WIDTH:

[Empty box]

SEX: MALE, FEMALE OR UNDETERMINED

♂

PPS

TAIL LENGTH:

T [Empty box]

C

[Empty box]

RIGHT FRONT FLIPPER WIDTH:

[Empty box]

SAMPLES COLLECTED:

④ DNA Blood

PLASTRON LENGTH:

[Empty box]

WEIGHT:

[Empty box]

DESCRIPTIVE REMARKS:

Turtle was restrained on transom for data collection.

Adult ♂-

Shawn - enters in TDPs remarks

K770 fell overboard lost

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Nakunoi Pt. Kawai 9/26/94

PERSON RECORDING DATA:

D. HEACOCK Hand Scuba

OLD TAGS:

TUMOR
SCORE

0

NEW TAGS: RFL

K-774

K573 → LFL

K-~~775~~ 573OTHER
NEW
TAGS:LH/K-574
RH/K-575

STRAIGHT CARAPACE-LENGTH:

64.7

WIDTH:

52.6

NOTCH LENGTH:

64.6

CURVED CARAPACE LENGTH:

71.0

WIDTH:

65.5

HEAD WIDTH:

9.8

SEX: MALE, FEMALE OR
UNDETERMINED

juv.

TAIL LENGTH: T

17.0

C

12.0

RIGHT FRONT FLIPPER WIDTH:

--

SAMPLES COLLECTED:

⑤ DNA blood

PLASTRON LENGTH:

52.6

WEIGHT:

--

DESCRIPTIVE REMARKS:

PPS

DNA blood

3

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Nakumoi Pt 9/26/94 Hard Scuba

PERSON RECORDING DATA: D. HEACOCK

OLD TAGS:

Empty boxes for old tags

NEW TAGS: RFL

K-548

LFL

K-549

TUMOR SCORE

0

OTHER NEW TAGS:

RH-J633

LH-K550

STRAIGHT CARAPACE-LENGTH:

43.9

WIDTH:

35.9

NOTCH LENGTH:

43.3

CURVED CARAPACE LENGTH:

47.0

WIDTH:

43.0

HEAD WIDTH:

Empty box for head width

SEX: MALE, FEMALE OR UNDETERMINED

Empty box for sex

TAIL LENGTH: T

Empty box for tail length T

C

Empty box for tail length C

RIGHT FRONT FLIPPER WIDTH:

Empty box for flipper width

SAMPLES COLLECTED:

6 DNA Blood

PLASTRON LENGTH:

35.9

Clear fluid

WEIGHT:

Empty box for weight

PPS

obtained with few Red Blood cells.

DESCRIPTIVE REMARKS:

Healed cut LFF shoulder area

PPS

(4)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

26 Sept '94

HAWAII
SEKIBANakumoi Pt ^{Kawai} Nukumoi Pt

PERSON RECORDING DATA:

D. HEACOCK

OLD TAGS:

NEW TAGS: RFL

634
J-634

LFL

J-635

TUMOR
SCORE

2

OTHER
NEW
TAGS:

RH-J638

LH-J637

STRAIGHT CARAPACE-LENGTH:

54.2

WIDTH:

45.2

NOTCH LENGTH:

53.8

CURVED CARAPACE LENGTH:

58.5

WIDTH:

53.5

HEAD WIDTH:

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

12

C

8

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

⑦

DNA blood

PLASTRON LENGTH:

43.3

WEIGHT:

DESCRIPTIVE REMARKS:

rt + lft jaw hinge (1) #2 each
 each egg; PPS; 2 V.B.; tumors rt eye (1) #2
 lft eye (2) #1; mouth/glottis (1) #2

SEA TURTLE TAGGING FORM

⑤

CAPTURE DATE, LOCATION AND METHOD:

26 Sept, 94
Kawai
Nukumoi Pt 9/26/94 Hand

PERSON RECORDING DATA:

Scuba

OLD TAGS:

NEW TAGS:

RFL

J-639

LFL

J-640

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH J-642

LH J-641 641

STRAIGHT CARAPACE-LENGTH:

47.3

WIDTH:

37.3

NOTCH LENGTH:

46.7

CURVED CARAPACE LENGTH:

51.0

WIDTH:

44.5

HEAD WIDTH:

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

⑧ DNA blood

PLASTRON LENGTH:

37.4

WEIGHT:

DESCRIPTIVE REMARKS:

PPS

(6)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: 26 Sept 94

Nakumoi Pt, Kawai Hard Scuba

PERSON RECORDING DATA: P. HEACOCK

OLD TAGS:

NEW TAGS:

RFL-

J-643

LFL

J-644

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH J-646

LH J-645

STRAIGHT CARAPACE-LENGTH:

62.9

WIDTH:

48.4

NOTCH LENGTH:

62.2

CURVED CARAPACE LENGTH:

68.0

WIDTH:

60.0

HEAD WIDTH:

--

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH:

T

10

C

7

RIGHT FRONT FLIPPER WIDTH:

--

SAMPLES COLLECTED:

(9)

DNA blood

PLASTRON LENGTH:

50.7

WEIGHT:

--

--

DESCRIPTIVE REMARKS:

PPS

Dive #2 9/26/94

erd

SEA TURTLE TAGGING FORM

(7)

CAPTURE DATE, LOCATION AND METHOD: 26 Sept 94

Nuku moi Pt, Kawai Hard Scuba
PERSON RECORDING DATA: D. HEACOCK

OLD TAGS: [] NEW TAGS: RFL J-647
LFL J-648
TUMOR SCORE [0] OTHER NEW TAGS: RH J-650
LH J-649

STRAIGHT CARAPACE-LENGTH: 58.7 WIDTH: 48.2

NOTCH LENGTH: 56.9
RT, PC broken + healed
CURVED CARAPACE LENGTH: 63.0 WIDTH: 57.0

HEAD WIDTH: [] SEX: MALE, FEMALE OR UNDETERMINED U

TAIL LENGTH: T 13.5 C 9.5

RIGHT FRONT FLIPPER WIDTH: [] SAMPLES COLLECTED: (10) DNA blood

PLASTRON LENGTH: 46.6

WEIGHT: [] [] []

DESCRIPTIVE REMARKS:
PPS

74 (1)

#1
Dive 1

18

SEA TURTLE TAGGING FORM

0325 2.0 1509 1.3
0947 0.5 2106 0.1

CAPTURE DATE, LOCATION AND METHOD:

10/18/94 NUKUMOI HAND SCUBA
Pt.

PERSON RECORDING DATA: R. Rapozo

NUKUMOI Pt. Hawaii

OLD TAGS:

NEW TAGS:

RFL

J801

LFL

J802

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH J803

LH J804

STRAIGHT CARAPACE-LENGTH:

38.8

WIDTH:

33.6

NOTCH LENGTH:

38.4

CURVED CARAPACE LENGTH:

41.0

WIDTH:

38.0

HEAD WIDTH:

6.4

SEX: MALE, FEMALE OR
UNDETERMINED

u

TAIL LENGTH: T

7.0

c

4.5

RIGHT FRONT FLIPPER WIDTH:

6.7

SAMPLES COLLECTED:

PLASTRON LENGTH:

30.9

DNA Blood
Collected J801
obtained

WEIGHT:

DESCRIPTIVE REMARKS:

Mild Emission.
PCA

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

10/18/94 Nukunoi Pt Hans Suba

PERSON RECORDING DATA: R. Rapou Kawai

OLD TAGS: NEW TAGS: RFL J805

TUMOR SCORE: LFL J806

OTHER NEW TAGS: RH J807

0 LH J808

STRAIGHT CARAPACE-LENGTH: 65.9 WIDTH: 53.4

NOTCH LENGTH: 65.5

CURVED CARAPACE LENGTH: 71.0 WIDTH: 63.5

HEAD WIDTH: 10.4

SEX: MALE, FEMALE OR UNDETERMINED U

TAIL LENGTH: T C

RIGHT FRONT FLIPPER WIDTH: 11.7 SAMPLES COLLECTED: DNA BLOOD J805

PLASTRON LENGTH: 51.6

WEIGHT: EXTENDED LINE DOWN CUT AS FAR AS POSSIBLE. and on left jaw hinge.

DESCRIPTIVE REMARKS: Leach eggs Adult Leeches in wound caused by line. Treated w/iodine.

40 lb test Monofilament fishing line wrapped tightly multiple times around neck cutting into flesh. Several strands cutting into base of LFF. ALL CUT OFF.

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

10/18/94 Nukunoi PL Hand Scuba
Kauai

PERSON RECORDING DATA: R Rapozo

OLD TAGS:

NEW TAGS: RFL

J809

LFL

J810

TUMOR
SCORE

0

OTHER
NEW
TAGS:

LH J811

RH J812

STRAIGHT CARAPACE-LENGTH:

78.3

WIDTH:

NOTCH LENGTH:

78.1

CURVED CARAPACE LENGTH:

84.0

WIDTH:

HEAD WIDTH:

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

WEIGHT:

DESCRIPTIVE REMARKS:

1st - 3rd Lat Right
 MASSIVE ~~bone~~ INJURY through bone -
 Partly healed

DIVE # 2

4

77

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

1

10/18/94 ~~Nagasaki Pt~~ Hana Suba
Sheraton Cares Kawai

PERSON RECORDING DATA: R. Rapozo

OLD TAGS:

K 910 ~~RFL~~
K 909 LFL
RH 911

NEW TAGS:

RFL

~~K 910~~
LFL

correct

TUMOR SCORE

0

OTHER NEW TAGS:

LH 5813

STRAIGHT CARAPACE-LENGTH:

44.3

WIDTH:

35.2

NOTCH LENGTH:

43.9

CURVED CARAPACE LENGTH:

47.0

WIDTH:

41.5

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

34.8

WEIGHT:

DESCRIPTIVE REMARKS:

Shawn K910 is RFL, not LH as miswritten on initial tagging

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

10/18/94 ~~Anaehani Pt~~ Herd Seuba
Sheraton Cares Kawai

PERSON RECORDING DATA: R. Rapozo

OLD TAGS:

RH K946

NEW TAGS: RFL

LH K945

LFL

TUMOR
SCORE

LFL K944

OTHER
NEW
TAGS:

0

RFL K943

STRAIGHT CARAPACE-LENGTH:

71.1

WIDTH:

56.6

NOTCH LENGTH:

70.7

CURVED CARAPACE LENGTH:

76.0

WIDTH:

70.5

HEAD WIDTH:

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

55.1

WEIGHT:

DESCRIPTIVE REMARKS:

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

10/18/94 Sheraton Caves ~~Haukapuni~~ Hard Scuba Kawai
PERSON RECORDING DATA: R. Rapozo

OLD TAGS: LFL K559
RFL K558
LH K560
RH K561
TUMOR SCORE: 0
NEW TAGS: RFL
LFL
OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH: 70.5 WIDTH: 55.1

NOTCH LENGTH: 69.7

CURVED CARAPACE LENGTH: 75.5 WIDTH: 68.0

HEAD WIDTH: [] SEX: MALE, FEMALE OR UNDETERMINED []

TAIL LENGTH: T [] C []

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

PLASTRON LENGTH: 55.9 []

WEIGHT: [] [] []

DESCRIPTIVE REMARKS:

[Faint handwritten notes]

7
4

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

10/18/94 Shevaton Caves Hard Scuba

PERSON RECORDING DATA: R Rapozo

Kauai

OLD TAGS:

NEW TAGS: RFL

J 816
J 817

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH J814
LH J815

STRAIGHT CARAPACE-LENGTH:

77.6

WIDTH:

59.9

NOTCH LENGTH:

76.6

CURVED CARAPACE LENGTH:

82.0

WIDTH:

75.0

HEAD WIDTH:

--

SEX: MALE, FEMALE OR
UNDETERMINED

M

TAIL LENGTH: T

39.0

C

27.5

RIGHT FRONT FLIPPER WIDTH:

14.4

SAMPLES COLLECTED:

PLASTRON LENGTH:

61.4

WEIGHT:

--

--	--

DESCRIPTIVE REMARKS:

PPS Yes

Suspicious Bump on Right eye

End Stratton Ceres #5

8
5

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

10/18/94 Stratton Ceres Hand Subw

PERSON RECORDING DATA: R Rapozo

OLD TAGS:

TUMOR SCORE
0

NEW TAGS: RFL J819
LFL J818
OTHER NEW TAGS: LHJ820
RHJ821

STRAIGHT CARAPACE-LENGTH: 40.6 WIDTH: 33.1

NOTCH LENGTH: 40.4

CURVED CARAPACE LENGTH: 44.0 WIDTH: 39.0

HEAD WIDTH: 6.9

SEX: MALE, FEMALE OR UNDETERMINED

TAIL LENGTH: T 7.5 c 4.5

RIGHT FRONT FLIPPER WIDTH: 7.2

SAMPLES COLLECTED:
DNA BLOOD
J818

PLASTRON LENGTH: 43.2

WEIGHT:

DESCRIPTIVE REMARKS: PPS yes
photos by Laura Sasaki
of turtle with Isphone Peralta

*George
FBI from
vic
Shaun
Kauai
Redund*



CAP:

PE:

OLD

T: July 23, 2002

S:

Kauai man picked up on firearms charges

BY KENDYCE MANGUCHEI - TGI Staff Writer

A Kauai man remains in custody at the Honolulu Federal Detention Center after his arrest Monday morning related to charges of unlawful possession of a firearm.

STR:

Daniel Lee Isobe, 35, of Kapa'a, was arrested Monday morning by federal agents of the Bureau of Alcohol, Tobacco and Firearms (ATF) based on a criminal complaint filed in U.S. District Court that charged him with being a felon in possession of a firearm.

NOT:

Isobe was flown to Honolulu and made an initial appearance in court before United States Magistrate Judge Kevin Chang, who ordered Isobe detained without bail until a preliminary hearing on Aug. 5.

CUR:

Until then, Isobe will be kept in custody at the Honolulu federal detention center, according to Assistant U.S. Attorney Mark Recktenwald.

HEA:

A felon convicted of possession of a firearm can face a maximum sentence of 10 years imprisonment. Isobe's prior felony convictions referred to in the criminal complaint leading to his arrest are theft, burglary and escape, Recktenwald said.

TAI:

Monday's arrest was coordinated by the federal Bureau of Alcohol, Tobacco and Firearms and assisted by the County of Kauai Police Department's Investigative Services and Vice Unit; state Department of Land and Natural Resources' Division of Conservation and Resources Enforcement (DOCARE); and National Marine Fisheries Service Enforcement.

RIG:

Isobe is also under investigation by DOCARE in connection with taking Hawaiian green sea turtles from Moloa'a Bay, a violation of the Endangered Species Act.

PLA:

WEIGHT:

[Empty rectangular box for weight]

[Empty rectangular box for additional information]

DESCRIPTIVE REMARKS:

collared... [faint handwritten notes]

CAI The DOCARE investigation started on June 16, 2002, when carcasses of four green sea turtles were found on Moloa'a Bay, officials said.

PI "When they initially started their investigation, they found a firearm," said Tracy Elder, Hawai'i supervisor of the federal Bureau of Alcohol, Tobacco and Firearms, of the DOCARE investigation.

PI "The firearm that this case is centered around was recovered during the execution of a federal search warrant at his (Isobe's) home. That search warrant was seeking evidence related to the alleged unlawful taking of green sea turtles," said Recktenwald.

OLI Elder, of the ATF, said that the arrest occurred in connection with a nationwide initiative spurred by President George Bush called "Project Safe Neighborhoods," which kicked off in Hawai'i on Feb. 20. This is the second Project Safe Neighborhoods arrest on Kaua'i.

Project Safe Neighborhoods works by specifically networking agencies that target gun crime, according to www.psn.gov.

Working in conjunction with United States Attorneys and State Prosecutors offices, PSN hopes to reduce possession of firearms by felons, just one of its aims on reducing gun crime in America.

STI The green sea turtle, or honu, was listed as an endangered species in 1978. The species is protected by state and federal laws and is included on the Indigenous and Threatened Wildlife list.

NOT Catching, possession, killing, selling and offering for sale any green sea turtle carries a maximum penalty of one year imprisonment and a \$25,000 fine.

CUF This case is ongoing and may lead to other charges and the arrests of others, according to NMFS Special Agent Victor Honda and DOCARE officials.

HEF In 2001, Isobe was sentenced to six months imprisonment in a mainland federal penitentiary for violating the Endangered Species Act and Lacey Act in connection with taking and transporting green sea turtles.

Isobe completed a six-month term of probation in May, a DOCARE official, after being released from a mainland federal penitentiary this January.

TAJ The public's assistance is being requested in this ongoing investigation. Please call Crime Stoppers at 241-6787, DOCARE at 274-3521, or NMFS Special Agent Victor Honda at 541-2727. Calls may be made anonymously.

RIC **LECTED:**

PLI

WEIGHT:

DESCRIPTIVE REMARKS:

9/26/94 Sheraton Caves #4

1. Dawn Matsumura
P.O. Box 411
Kapaa, HI 96746
822-9403
2. Dr. Scheff Zerkosky
5356 Kumole St
Kapaa 96746
822-4893
3. Brent Adams
3057 Poipu rd #7
Koloa 96756
742-1290.
4. Jack Schultzy
4532 LEHUKA ST
KAPAA KAUNII 96746
808 823-6142
5. MIKE HERBERT
2378 Kipuka St
Koloa 96756
742-6076
6. Don Pixler
3420-B KUHIO Hwy
LITTLE HI 96766
808 822-2046
7. Don HALSEY
PMRF BARKING SANDS
KEKAHA 96752
337-9466
8. Terry Donnelly
Ocean Odyssey Divers
4300 MAHA RD
KOLA, HI. 96756
808-742-6731
245-8681

9. Patrick S. DUNN

p.o. Box 255

Kapaa, Hi. 96746

822-3333. thanks!

10. Ron Miritello

11. Dan Heacock

10/18/94 Sheraton Caves #5

Date: Sat, 3 Feb 2001 13:18:03 -1000 (HST)
 From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
 To: Shandell Eames <seames@honlab.nmfs.hawaii.edu>
 Subject: Re: Turtle Strand ID 1-19-01 Poipu, Kauai (fwd)

Was there another contact for this turtle besides Don? Name and address, someone I can write to and inform and thanks? Mahalo, Geo.

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

Date: Sat, 3 Feb 2001 13:12:14 -1000 (HST)
 From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
 To: MTRP Staff <Daniel.Toibero@noaa.gov>, deparker@ucsd.edu,
 Kristin.Horiuchi@noaa.gov, Kristy.Masada@noaa.gov,
 seames@honlab.nmfs.hawaii.edu, Sean.Lockerman@noaa.gov,
 shiznit@u.washington.edu, smurakaw@honlab.nmfs.hawaii.edu
 Subject: Re: Turtle Strand ID 1-19-01 Poipu, Kauai (fwd)

FYI to everyone.

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

Date: Sat, 3 Feb 2001 12:55:16 -1000 (HST)
 From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
 To: Donald Heacock <donald_e_heacock@exec.state.hi.us>,
 Jean Souza <jean.souza@noaa.gov>
 Cc: Claire Cappell <Claire.cappelle@noaa.gov>,
 Joylynn <joylynn.oliveira@noaa.gov>
 Subject: Re: Turtle Strand ID 1-19-01 Poipu, Kauai

Aloha Don and Jean and (cc) Joylynn/Claire on Maui- I'm writing to let you know that some major and reasonably successful surgery was conducted on the large stranded adult female green turtle you shipped to us a few weeks ago. Over 3 lbs of tumors were removed, the turtle now has vision again, though the growths had caused some mild damage to eye tissues. This turtle was unlike most we receive tumored and alive. It was different because 1) oral tumor involvement was minimal (glottis not damaged), 2) it was visual behind the hanging tumor, and, very important, 3) it was not emaciated, the musculing and body fat had not atrophied to the point of what I often refer to as "Dead Swimming Turtle Disease (=tumors, emaciation, and blood parasite overload).

All of us here (vet, my program) are delighted to have been able to do some good for this animal. What the future holds, no one can tell. But for now, for this turtle, things have clearly improved. I'm mailed a few pictures to Don and he can share with others over on your island.

Aloha,
 George

Kauai turtles on the beach

Subject: Kauai turtles on the beach
Date: Thu, 28 Sep 2000 10:20:17 -1000
From: Jason Baker <Jason.Baker@noaa.gov>
Organization: NOAA
To: George Balazs <gbalazs@s360.swfc2.nmfs.gov>

*KAWAI
Reduce*

George here's the sighting info I described to you yesterday:

09/26/00, Kauai, lat: 22°9.1 long: 159°43.4, 5 turtles hauled out on beach, believe this was N end of beach at Polihale Park.

I took the GPS position from the plane several hundred feet offshore, so it's not exact. However, if you draw the shortest perpendicular line from the position to the beach, that's about the midpoint of the area where the turtles were.

As I said, there was a big NW swell on the way, in fact it's hitting here today, but the waves didn't appear very large when we flew over, so the turtles must have had some innate reptilian sense that it was time to head for ground!

each, believe this was N end of beach at Polihale Park

Date	Island	Way Point	Latitude		Longitude		Time (fr GPS)	Notes
			deg	min	deg	min		
9/26/00	Kauai		22	9.1	159	43.4	approx 3:15pm	5 turtles hauled out on be
10/1/01	Kauai	35	22	9.0298	159	43.384	2:02 PM	18 turtles on beach
10/1/01	Kauai	34	22	7.8525	159	43.992	2:01 PM	16 turtles on beach

SEA TURTLE TAGGING FORM

Date: Fri, 27 Dec 2002 08:12:06 -1000
 From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
 To: George Balazs <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: Re: Visit to Kauai

On Sun, 30 Jul 2000, Joanne Pinney wrote:

> Hi, I accidently sent the previous message before completion. I wanted
 > to mention the weather and how it might affect your Monday expedition.
 > TS Daniel might pass between Oahu and Kauai and if so the storm may
 > intensify briefly; with deep convection in the W and N quadrants this
 > may mean serious rain and flooding. The path to the cave is red clay
 > with verticle drop off and there are no hand holds. It is short and
 > steep. With heavy rains the runoff is brown and thick, making ocean
 > visibility null.
 > Right now the ocean is like a lake on our NE shores. Hopefully these
 > current conditions could last until Monday afternoon so your trip to
 > Kauai could be productive. If you have to cancel let me know when you
 > reschedule.
 >
 > People really do respond in conversations about turtles. If I bring up
 > weather or gardening there is not much length to the subject...but a
 > discussion about sea turtles goes around quite well in a conversation.
 > Everybody wants to talk about sea turtles. The stories I hear are so
 > good...the animation of the storytellers even better. Mahalo,
 ,
 JoAnne Pinney

NOTCH LENGTH:

DB:

 L.O.

VB:

 L.O.

CURVED CARAPACE LENGTH:

WIDTH:

HEAD WIDTH:

SEX: MALE, FEMALE OR
 UNDETERMINED

PPS: YES OR NO OR NE

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

WEIGHT:

DESCRIPTIVE REMARKS:

Subject: Re: plea for H drive clean up
Date: Tue, 02 Oct 2001 12:50:01 -1000
From: "Jason Baker" <Jason.Baker@noaa.gov>
Organization: NOAA
To: George Balazs <George.Balazs@noaa.gov>

Kauai Book

Far from it, monk seals are definitely the culprits. By the way, we flew an aerial survey of Kauai and Niihau yesterday. I counted a total of 42 turtles on the beaches along Na Pali or perhaps Polihale. They were on three beaches with 16, 18 and 8 per beach. I have GPS coordinates of the first two beaches, but not of the third (next northerly) if you're interested. But perhaps this is not unusual?

George Balazs wrote:

> happy to see we (Turtles) didn't have to be included in the good-hearted > but necessary "spanking"! Mahalo, George

> Jason Baker wrote:

> > Once again, it's the tragedy of the commons....

> > Lately, I've noticed that the H drive is getting dangerously close to > > being full. It was down to 16MB free before I did some cleaning of > > obvious repetitious stuff. The H drive is for everyone, and I'm as > > guilty as any for putting stuff on there and not cleaning it up often > > enough. I've cleaned up what I can for now.

> > Today I went through the various directories and found some large files > > and folders that perhaps could be deleted, written to CD, etc. The > > seemingly biggest source of clutter is that powerpoint file are huge and > > multiple versions get saved. Some of these are old presentations that I > > think could be written to CD if need be to keep them. Photos are another > > big space hog.

> > So, I am putting out a plea for everyone to please examine their files > > and determine whether they can make some space.

> > ALSO, very important to look at your G drive, because that's really just > > your own private access to the h drive. Deleting from G makes space on > > H.

> > Here are some directories that stuck out as perhaps bulging beyond > > necessity - have some conspicuously large files.

> > Boland - large power point files
> > Bud - 79MB, mostly power point - Jan, can some of these be written to CD > > and stored?

> > cdtemp and data96 - Thea, are these needed?
> > Folder with Pinks - can people zip these from past FY?

> > Donohue - lots of power point
> > Files for Francis Mau - 20MB

> > Jan Photos - power point
> > JRH - ~40 MB of power point

> > KauaiMSW - power point
> > meliss/photos - Carolyn C, can you check and see if you've got copies of > > these, and if so, remove them from H drive.

> > PowerPoint directory - Thea, many versions of power point files.

> > RecTeam - Jan, perhaps you can write these to CD for storage and remove > > from H?

WEIGHT:

DESCRIPTIVE REMARKS:

Need

L.O.

OR

S COLLECTED:

Linda Bail

Ken Bail

Bubbles Below, Inc.**Scuba Charters**Quality Boat Dives of the Garden Isle, Kauai
NAUI/PADI Instruction
Underwater Photography6251 Hauaala Road
Kapaa, Hawaii 96746
(808) 822-DIVE (3483)

over

7/19/95

Aloha George

sort of
ovulac
2 - NO sign of
development

Dope these eggs make
it to you Okay. We found
them at a dive area we call
Nale O'Honu, 40 ft depth in
a overhang/small cave area.

This area has the largest
consistent gathering of turtles
we have ever seen on Kauai.

There are up to 8 large
males who seem to reside
here with over 25 females.

We would enjoy your
company and take you there

WEIGHT:

DESCRIPTIVE REMARKS:

L.O.

LECTED:

If you ever meet time
 you are on island.
 With our past managers
 went at going down boating
 on the N. shore we have not
 been during the outside of
 annu for 4 years now. In
 our experience, we found
 excellent net, peacock heads
 for turtles on the outside
 near line. The turtles were
 all small under square
~~measure in ring. Right at~~
 the annu channel there was
 a population of 4-6 juveniles
 the depth of that area is
 15 to 50 ft. most turtles were
 lying next to the reef structure
 in the sand, near to: 50' there
 were no noticeable "ground down"

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

PERSON RECORDING DATA:

OLD TAGS:

NEW TAGS: RFL

LFL

TUMOR SCORE

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH:

WIDTH:

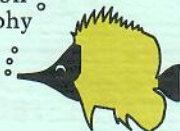
Linda Bail

Ken Bail

Bubbles Below, Inc.
Scuba Charters

Quality Boat Dives of the Garden Isle, Kauai
NAUI/PADI Instruction
Underwater Photography

6251 Hauaala Road
Kapaa, Hawaii 96746
(808) 822-DIVE (3483)



(over)

CAI

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NO

CU

HE

PP

TA

RI

PI

resting areas on lava rock,
or coral.

Kalihinai Bay which is
just South of Anini had a
larger population of turtles
who were also older. Also

to the N. of Anini in very
shallow there is a large
population in the shallows
below Okeeneville. Hope this
info helps - If you need more,
write or call and we'll see
what we can do.

I Really appreciate the info

WEIGHT:

DESCRIPTIVE REMARKS:

L.O.
LECTED:

you have part w. Our kids
 school classes will be once
 again shown all your info
 and I believe we need to
 have kids involved in paying
 our ocean cutters.
 2 sightings I reported to
 your account.
 1. Change of logghead in
 exactly the same location as
 last years logghead, for New
 site, Nickau, I think its the
 same one as the page was
 very similar.
 2. smaller hawkbill at
 Nickau, I did not see it (nor Ken)
 a Marine Biologist, Aaron Kime
 & Mario, who works with me saw
 it.

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

PERSON RECORDING DATA:	

OLD TAGS:		NEW TAGS: RFL	
		LFL	
TUMOR SCORE		OTHER NEW TAGS:	

STRAIGHT CARAPACE-LENGTH: WIDTH:

maui Turtle data: proposed research.....or "pit tags" for , turtle tagging (fwd)

See person feather case

Subject: FW: Kauai Turtle data: proposed research, request for "pit tags" for , turtle tagging (fwd)
Date: Thu, 29 Jun 2000 14:56:09 -1000 (HST)
From: "George H. Balazs" <gbalazs>
To: Shawn Murakawa <smurakaw@honiab.nmfs.hawaii.edu>

Raduel
Give
Kenji

Please see if you can print this for me. Tomorrow Friday.

----- Forwarded message -----
Date: Thu, 29 Jun 2000 02:18:42 -0700
From: Don Heacock <dheaco@hgsa.org>
To: gbalazs@honiab.nmfs.hawaii.edu
Subject: FW: Kauai Turtle data: proposed research, request for "pit tags" for turtle tagging

George, sorry I forgot the most recently (26 June 00) tagged turtle; I've included it in the first attachment.
Aloha, don

-----Original Message-----
From: Don Heacock [mailto:dheaco@hgsa.org]
Sent: Wednesday, June 28, 2000 4:12 PM
To: gbalazs@honiab.nmfs.hawaii.edu
Subject: Kauai Turtle data: proposed research, request for "pit tags" for turtle tagging

Aloha George!

Please see attached files. Looking forward to hearing from you.
Don

Division of Aquatic Resources
Hawaii Department of Land & Natural Resources

3060 Eiwa Street, Room 306
Lihue, Kauai, Hawaii (USA) 96766
Phone: (808) 274-3344; FAX: (808) 274-3448
Email: dheaco@hgsa.org

MEMORANDUM (turtlestrands) 28 June 2000

To: George Balazs
Fm: Don Heacock
Subject: Sea turtle strandings and tagged turtles, and incidentally hooked turtles on Kauai

Aloha George:

Here are some more data on turtles for the period September 1999 to present:

26 June 00: (reported by visior staying at Alii Kai condos)
Female gm turtle; SCL= 81.8 cm
Tumors: one (2 cm diam.) on right lower eyelid; one (5 cm) on right side of neck; one (25 cm diam.) lower right arm pit
Tagged with external tags: Left front flipper= 0-13
Right " " = 0-14

21 June 00: (reported by Police Dispatch, via Hanapepe resident)
Female (very short tail) gm turtle mortality washed ashore inside Hanapepe Bay in small sand beach on western side of bay. Turtle was badly bloated, intestines were actively "bubbling" out of an apparently internal gas-caused rupture in the carapace; skin actively sloughing off of flippers, neck, head and other areas; throat very swollen and bloated; estimated mortality age at about 5 days.
Morphometrics/ tumor data: SCL= 68.8 cm; SCW= 52.7cm
Tumors: 3cm diam. tumors on both eyes; left side of neck= 3cm; right shoulder= 5cm;
Left shoulder - two tumors: 2 & 3 cm; left rear flipper= two 1cm; right rear flipper= three tumors: 1, 2 and 3 cm; two tumors inside mouth= 3 and 2 cm.

14 June 00: (reported by captain Tim Elsworth)
Female gm turtle incidentally hooked in right rear flipper by fishing (trolling) vessel ("Grander", captain Tim Elsworth; 639-4457) leaving Nawiliwili Bay. Healthy (no tumors, convex plastron, clear eyes, no extoparasites) female:
SCL= 73.4 cm; SCW= 55.0 cm
Tagged with external flipper tags: Left front flipper = 0-11
Right front flipper= 0-12

28 March 00: (reported by Moloa'a resident to Police dispatch)

<input type="checkbox"/> memoGBalazsturtstrand.doc Name: memoGBalazsturtstrand.doc Type: WINWORD File (APPLICATION/MSWORD) Encoding: BASE64 Download Status: Not downloaded with message	Name: TURTLETAGGINGPROPSEARCH#1. Type: WINWORD File (APPLICATION/MSWORD) Encoding: QUOTED-PRINTABLE Download Status: Not downloaded with message
--	---

Female gm turtle basking on beach inside Moloa'a Bay (west side of bay). Turtle appeared very healthy, no tumors, convex plastron, eyes clear, no external parasites, very strong and returned to the water immediately after tagging.
SCL= 87.3; SCW= 65.4

Tagged with external tags: Right front flipper= 0-9
Left " " = 0-10

26 February 00: (reported by Monk Seal Watch volunteers Stephanie and Bob Butler)
Female gm turtle basking on beach inside Moloa'a Bay (west side of bay).
SCL= 84.4 cm; SCW = 70.1 cm

Tumors: one (10 cm diam) on right/dorsal side of neck; one (5X10cm) on right cheek;
One (1 cm diam) on right rear corner of eye; and one (15X1.5 cm) in right arm pit.
Tagged with external flipper tags: Right front flipper= 0-7
Left front flipper= 0-8

After tagging, the animal appeared somewhat lethargic, and very slowly returned to the water.

Finally George, I've attached an "old" copy of a tag-recapture proposal/memo I sent to you back in 1994; with minor amendments, including the fact that we need to change to internal "pit" tags. I flew (helicopter) over Nualolo Kai and Milolii on 26 February of this year and saw 19 turtles (and 27 coming ashore in a "staging area" on the inner reef flat) basking on the beach at Nualolo Kai, and 32 turtles basking on the beach at Milolii! At Nualolo Kai we landed and I observed 28 turtles at close range on the beach with binoculars; out of the 28, all were free of tumors except one (a juvenile about 75 cm SCL-had tumors: 2 cm on left eye; 2cm on left arm pit; 5 cm on rt. shoulder; 5 cm on left side of neck). At Nualolo Kai the turtles, all honu, kept playing "musical chairs" some would go back into the water and new ones would come up to bas. Let's plan on flying in this winter and tagging all of them and more carefully quantify tumor incidence. What do you think George?

I hope we can re-activate this project. By the way, I'm finally (yea I know-right!-wait until you see it) putting together the draft on "Gm sea turtle nesting on Kauai" which will cover from about 1989 to present (we had very good nesting success at both Lawai Kai and Kipu Kai in 1999 and 1997! I'll try to get the draft to you by end of July or August George.

Aloha, malama 'aina/pono, Don

Hawaii Division of Aquatic Resources
Department of Land & Natural Resources
3060 Ewa Street, Room 306
Lihue, Kauai, HI (USA) 96766
Ph: (808) 274-3344; FAX: (808) 274-3448
email: don@dar.ccmil.com

MEMORANDUM {turtletagging.research} 2 February 1994

To: George Balazs, Sea Turtle Research Leader, NMFS
Ron Miritello, President, TORCH-Kauai Chapter (822-1434)
Fm: Don Heacock, Kauai District Aquatic Biologist
Re: Cooperative Sea Turtle Tag and Recapture Study on Kauai

The role of citizen volunteer groups working with government to monitor ocean resources, water quality and other environmental monitoring activities is well documented and on the rise nationwide, particularly in these days of tight research dollars and government budget cuts. With this in mind, the Kauai Chapter of TORCH actively wants to participate in the formation of a cooperative/volunteer sea turtle tagging program with the NMFS and the DAR on Kauai.

Objectives of the Kauai Sea Turtle Tag and Recapture Study:
The objectives of this applied research will be to:

- 1) determine the approximate total numbers, length-frequencies, species composition of sea turtles at specific locations around Kauai;
- 2) determine the incidence of tumors on sea turtles on Kauai;
- 3) determine the adverse impacts to turtles from both humans (e.g. nets, marine debris, vessel impacts) and other factors (e.g. shark attack, disease);
- 4) determine the primary foods eaten by turtles on Kauai;
- 5) determine growth rates, and estimate ages at sexual maturity;
- 6) estimate recruitment rates, and movement and migration of young turtles after residency has been established;
- 7) determine tag (flipper tag) retention rates;
- 8) determine types and locations of life-support activities undertaken by turtles within selected study areas.

In order to determine selected study areas, and to monitor turtle populations island-wide over time, turtle populations will be estimated on a monthly basis using aerial observations from either fixed-wing aircraft or from helicopter' in order to

EPA, 1990. National Directory of Citizen Volunteer Environmental Monitoring Programs, Rhode Island 0088.

Shana Helicopters (Mr. Mike Stoner, FAX 345-5043) has volunteered his company's services.

Date: Mon, 10 Jul 2000 14:51:22 -1000
From: Shawn Murakawa <Shawn.Murakawa@noaa.gov>
To: George Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Kauai people

Kauai

1) Left msg. for Toby as he wasn't in. (FYI...his answering machine says Mandalay Property, Caretaker's office). I asked him to report any more sightings of the turtle to your email, and that if he had any questions to call me on Friday.

2) Joann Kinney...talked to her boyfriend, Mike Smith (they're the managers of Alii Kai 1 condos). The sea cave is located on the trail between buildings 3 and 4. It's U-shaped. The cave opening is about 15-20' wide, knee-deep water. It gets pitch-black then leads out to this sandy stretch of beach about 15-20' wide. He says he sees a lot of turtles (20-30) in this little area. He said it's kind of dangerous to walk through this cave at times due to rough waves. He was very pleasant and would pass along my message to Joann.

Date: Mon, 31 Jul 2000 00:24:01 -1000 (HST)
From: Joanne Pinney <msjazz@webtv.net>
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: Visit to Kauai

Kauai

I received on Saturday the items you mailed. I am also reading the web pages on Turtle Trax and plan to do a library trip because turtles are very interesting to learn about. I admit ignorance about the horrible growths and cried when I saw the photos of your friends. I do not think I have seen those tumors on the Hanalei turtles. The turtles at my favorite surf break are not fearful of us and we can often get a good look at them. Sometimes the turtles really look at me like they know me. I notice that turtles at Anini and Pakala are much shyer...especially at Pakala in Waimea. When the shallow limu beds are full at Tunnels reef, near the Haena State Beach Park, the turtles are so docile and very busy eating that I have seen the currents push people into them with out any dining interruptions!

Thank you for the excellent reading material. I hope your activities are very successful and want to help with your Kauai field trip.

Aloha, JoAnne Pinney

identify or confirm areas that are believed to have relatively high sea turtle densities. Additionally, aerial surveys/monitoring of turtle populations will help identify turtle nesting locations and frequency of nesting; turtles, or turtle tracks, seen on beaches during the nesting season will be "ground-truthed" to verify if nesting had occurred.

George Balazs of the NMFS will be present whenever possible with the "Kauai turtle research team" during scheduled tagging events which will take place about 6 times per year. During the interim, team or TORCH members can make note of any tagged turtle seen so that more data on movement and migration, feeding range, preferred resting sites, etc., can be collected. During the tagging process, data will be collected on turtle carapace length, weight, sex, incidence of disease or tumors, general health, etc.; over time, a comparison of recaptured tagged turtles with untagged or new recruits will provide important information on growth, movement, recruitment (ie. number of "new" small juvenile turtles that take up residence at certain sites), and on total population estimates.

Study sites should be located in relatively shallow (20-40 ft.) water and easily accessible by boat. Areas that are particularly important to start monitoring are areas along coastal ecosystems that may undergo significant changes in the near future (eg. Kukuila Bay, Ho'ai Bay, Maha'u'lepu, Aliomanu, Princeville).

The size of boat available on a given day will determine the number of persons involved with the tagging and data collection on that day. For example, if an 18ft. whaler were available, probably only 4 persons (G.Balazs, D.Heacock, and two TORCH members) would be appropriate; if the boat were larger, with more deck space, it may be possible for more team members to help with the tagging. Therefore, there should be ample opportunity for all to participate in this long-term sea turtle research project.

The scheduled dates for turtle tagging will be dependent upon George Balazs's and my schedules, and the schedules of the TORCH team members, weather, and particularly the availability of a boat to use as a work platform.

To date the following TORCH members, including alternates, have volunteered to assist with this cooperative turtle tagging/research project:

- | | |
|-------------------------|---------------|
| Volunteers: | Alternates: |
| Ron Miritello | Lisa Jonshow |
| Rich Daley (boat owner) | Luther Burney |
| Alan Iwasaki | Don Pixley |
| Mike Bowles | |

Kauai

The next step would be for George to schedule a trip to Kauai for a "turtle-tagging/training" session with the volunteers, and perhaps make a few dives at areas that are high priority sites

Leg Ho'ai Bay, Shepton Caves, Kukuila Bay etc.

----- Forwarded message -----
 Date: Thu, 24 Aug 2000 14:59:51 -1000
 From: Peter Bennett <honu@turtles.org>
 To: Velma Taylor <velmat@nisa.net>
 Cc: howzit@turtles.org, gbalazs@honlab.nmfs.hawaii.edu
 Subject: Re: Turtles on Kauai

*Redund
 Kauai*

Hi Velma,

Thanks for the information. We're always interested in reports of FP anywhere in the world, particularly Hawaii. I find it interesting that you noticed FP starting in the corners of the eyes. That's very observant of you; in our experience that is where FP shows up first. When the disease regresses, which fortunately it does some of the time, the eyes are often the last place you can see traces of tumours. It's therefore possible that the turtles you saw are actually recovering. The only way to tell for sure would be to sight these animals again after some time has passed, although if you have good clear photos we could make an educated guess about the status.

If you'd like to send us copies or high-resolution scans of your pictures, we'd be more than happy to look them over and let you know what we learn.

Thanks for caring about the turtles, they need all the friends they can get.

At 04:04 PM 8/24/00 -0700, you wrote:

>Hi!

>

>My name is Velma Taylor of Nanaimo, B.C and my e-mail address is
 ><mailto:velmat@nisa.net>velmat@nisa.net . We have been snorkeling on
 >Kauai for the last few years. This year, I noticed FP on one turtle on
 >one snorkel. I never saw her again. She was well covered with the
 >tumors. I have photos of her - I had not intended to take photos as it
 >was so sad, but then I decided to take photos to document what I had
 >seen. I also noticed that some of the turtles had the tumors starting in
 >the corners of their eyes and I have photos. The last full day that we
 >were there (off the Beach House Restaurant) I was fortunate enough to see
 >two turtles mating and got 3 photos - the last three on the film.

>
 >Nearly two years ago we were snorkeling at ^{Moku} Makena Landing and I noticed
 >one turtle with a big "ding" in his shell - which I also have photos
 >of. We had a great time with the turtles and I have grown to love them, too.

>
 >I don't know if this is of any interest to you.

>

>Cheers,

E LENGTH:

Welcome to Anini Beach

Aloha. We are the Chisholm's, Jo and Sterling. We have several vacation rental homes down at the end of Anini Beach. Having been here for many years, we are often asked by people visiting our little corner of the world where a good place would be to swim and or snorkel. The answer to that is practically anywhere along the beach at Anini. To better help you enjoy your visit here, we have put together the following information for you including a map of our end of the beach and reef. We hope that some day you would like to return to Anini and stay in one of our beach homes.

History. This reef is one of the oldest reefs in all of Hawaii. At one time, it was the private fishing grounds of the ancient Alii or Kings who once ruled this island. In those early days, special rites or konohikis were given by the Alii to certain commoners to catch a particular type of fish or octopus here. This meant that parts of the reef were kapu or restricted to everyone else. Also, there were major kapus when no one could fish on this reef. When Hawaii became a state in 1959, this old system of conservation and management was abandoned. The reef was opened up to everyone with little or no restrictions. The result of these changes has not been to the long term advantage of the reef's over all eco system.

Geology. While many of us think about tropical reefs as being huge coral formations, this reef, like most other reefs in Hawaii, is nothing more than an old lava flow that extends out under the ocean with a thin mantle of coral and seaweed on its rocky surface. At the fringe of the waves the lava flow steps down into deeper water in much the same manner as the mountains do directly in back of the beach. The Island of Kauai was formed by a successive series of these lava flows. The reef at Anini just happens to be one lava flow that did not get covered up by another lava flow. Look around while you are here and you will see what I mean.

Reef Ecology. Kauai is located at the fringe of the Tropic of Cancer, and as a result the open ocean waters here are relatively cool. Consequently, the marine life, while abundant, is not as profuse as it is along the warmer Equatorial zone. Also, the large expanse of reef at Anini is in fairly shallow water. During the calm and hot summer months, the water temperature inside the lagoon gets to be like a very comfortable bath tub. While these temperatures are nice

for bathing, and snorkeling, they are not conducive to the growth of coral. Periodic low tides expose the reef to the open atmosphere which damage the living organism that make up the coral. Another factor that affects the reef at Anini are several rivers that empty large amounts of fresh water into the ocean up current from this area. All of these natural impacts have left their mark on this reef.

What you will see. As a result of all of these natural conditions, we have a very different kind of reef at Anini. The inner reef will appear to be mossy with a lot of brown seaweed. While this area may seem to be void of life, slow down and look a little more carefully. At certain times of the year, this inner lagoon is actually a nursery for many juvenile reef fish that hide in the calmer waters around the moss covered coral heads and rocks. Further out on the reef you will find more live coral and larger, more colorful fish. Because the water is rougher in this outer area of the reef, there is more oxygen and food available. Most adult reef fish tend to congregate here and move around in loose schools while feeding. Because they are on the move, you may have to cover a little stretch of the reef before you see them. Move slowly so that you do not spook the fish ahead of you. This will give you time to look down at the minute and beautiful marine life on the reef right below you.

The Map. On the back page is a map of the reef at our end of Anini. This seems to be where most people come due to the easy beach access. The scope of the map is limited to this area for this very reason. On the map, you will see outlined some of the better areas for swimming and snorkeling. Also just by looking at the reef through Polaroid sun glasses on a sunny day will help you locate the different areas indicated on the map. It is all right here before you.

Optimum Conditions. The best ocean conditions for snorkeling or swimming occur most often during the summer months and early fall, but not always. Look for generally clear skies and light breezes as the weather can be a large factor with respect to the ocean. Look for low wave action out at the perimeter of the reef with large gaps of calm water where the channels are located as shown on the map. There should be little or no secondary wave action inside the reef and lagoon. Under these conditions a reasonable person would assume that it is safe to venture out almost anywhere on the reef. Even during calm periods however, if the water just beyond the waves is more of a light milky green color, or brown rather than a deep blue, chances are that the visibility inside the lagoon will be poor. When this happens, it is an indication that the ocean has just gone through a rough phase and has not cleared.

Caution! If you find a lot of heavy wave action occurring at the perimeter of the reef with secondary waves coming in over the lagoon and reaching the beach, **STAY OUT OF THE WATER FOR YOUR OWN SAFETY!** Just the turbid color of the water alone during these conditions should be a clue to its lack of good visibility for purposes of snorkeling. Also, and more importantly, there are several large and deep channels in the reef where rip currents are very strong when the ocean is rough as described above. The large waves build up and immense amount of water over the top of the reef in a very short period of time. All of that water exits the reef through the various channels with tremendous force.

Safety tips. There are no lifeguards at Anini Beach! We cannot accept responsibility for your safety, only you can do that by being alert to the conditions around you and also by being aware of your own physical limitations. There is one very good rule to follow while snorkeling or swimming, no matter how good the ocean conditions are when you enter the water. If you feel that you are moving along parallel to the beach or to the waves or even out to sea with little or no effort, immediately stand up on the reef (while you can) and assess the conditions to determine where you are AND why you are moving so easily in that direction. Swim or walk back to a calmer area. If you find yourself in a rip current in deeper water do not attempt to fight the current by swimming toward the beach! Swim parallel to the beach until you are over the reef again and can stand up and rest. Most of all, do not panic! This will only cause you to lose you strength and energy. If you are caught in a heavy rip current and cannot make it to the reef, save your energy by allowing the current to take you out beyond the reef. Swim parallel to the beach just behind the waves until you find a lull in the surf. That's the time to swim for the reef. You may have to do a little body surfing, but you will get through if you keep a cool head. For those who are on the beach and see a problem with someone in the water, there are public pay phones at the beach park a quarter of a mile back up the road. A phone is located on the street side of the bathroom facilities right at the entrance to the boat ramp.

All is well that ends well. Hopefully while you are visiting Anini Beach, the ocean and weather conditions will be favorable as they are most of the time. If, while you are enjoying the beauty of Anini Beach, the thought should occur to you that you would like to spend more time here, we can help you there as well. For further information regarding our Anini vacation rentals, please give us a call on Kauai at (808) 828-2156. In the mean time, ALOHA!

P.O. Box 89,
Kilauea, Kauai,
Hawaii, 96754
May 1, 1995

Dear George,

What a nice surprise to receive all the "stuff" in the mail with respect to turtles. I was particularly interested in the tracking of their migratory paths up to FFS and back to Hawaii. My father was a doctor on Midway Island back in the 30ies and used to talk about the turtle that came up there. He used to talk about how incredibly large they were back then. He also talked about the tiger sharks too. While I have never been to Midway, FFS, Necker or Nihoa, they are places I grew up hearing about as a kid.

As I probably told you, I grew up on Kauai in the forties and fifties when catching turtles was legal. I grew up at Anini Beach on the North Shore where we have a huge reef. I learned the reef here and how to dive for turtles from the Hawaiians. While it is now illegal to catch turtles, we still talk about the old days. The best time for catching turtles was at night when they would come in and sleep in the sand pockets just inside the waves. We never took more than we could eat.

If what we see when we go out fishing and diving today is any indication of the population here, it appears to be on the increase. During evening time when the tide is low and we are out pole fishing at the outer edges of the various channels, sometimes it looks like a log jam of turtles coming in trying to find a place to bed down for the night. So, if you are interested in coming over and seeing some of this, I'd be glad to show you around.

On rare occasions we will have large turtles come ashore here at Anini. I have never seen any nesting behavior however. I do remember that up in the crater at Kilauea there is a protected beach where I remember seeing turtles haul out. I think there was nesting going on there, but that was a long time ago. The Kilauea crater area is now a bird sanctuary and the general public cannot get in there, so, you never know. Perhaps the wild life people stationed there could help you.

While I am the most familiar with the reef at Anini, I have seen numerous turtles off the reef at Kapaa though I have never dove there. Coming around the Island our way, there are a number of reefs beginning at Anahola and becoming more proper in formation beginning at Moloa'a. From Moloa'a there is almost a continuous reef that terminates at Pila'a which is in sight of the Kilauea crater area. There is the red lemo (seaweed) all along this reef that the turtles just love. I know that they come in and sleep on these reefs as well.

The Moloa'a to Pila'a reef area is fairly well restricted to human access as a result of private property ownership, although people do get down there. I have heard of turtles coming ashore at Pila'a, but that was a long time ago.

There are scattered reefs from Hanalei Bay to the end of the road at Haena. I have seen some monster turtles off the reef in Hanalei just below the Princeville hotel. I mean some monsters. The remaining reefs I am not that familiar with although I have seen turtles out there.

I went down to Miloli'i along the Na Pali coast a couple of years ago where there is a little reef and saw a bunch of turtles down there. I did see several larger turtles while diving there. They were "clicked off" or resting on the bottom as you call it. I was taken back by the Fibropapilloma nodules on them. We never used to see that on the turtles around here when I was a kid.

I do not get around to dive the south side of the island very much, however, I have seen several fairly large turtles out by the old Poipu landing while diving. This was just recently and they appeared to be free of Fibropapilloma.

I have enclosed a little brochure with a partial reef map of the Anini area. I have indicated turtle sleeping areas for you, and if you would like I could provide you with a more complete reef map of this area. There are some big undercuts along the edges of some of the channels that penetrate the reef here, and I know that the turtles take advantage of these undercut areas to sleep at night. It is a little spooky diving down there at night as that's when the "man in the gray suit" comes patrolling around. That is why we primarily do most of our night diving inside the reef.

I have dove off of Niihau on several occasions and seen turtles over there. The shark population is pretty heavy over there. As a matter of fact, we have to fight them off sometimes when we go over lobster diving. Thank God we are not spearfishing over there or I wouldn't be here writing this to you. But, I'll bet with all those protected beaches, especially on the north end of the island there could be some nesting going on. One of the fellows who owns the island is named Keith Robenson and he is a home grown conservationist/environmentalist of sorts. While he has had some run-ins with the State Land people with respect to protected species of plants that he was trying to preserve on his land, he might be open to letting someone like you go there if he were approached properly. I know people who know him, and if you are interested, it could be worth a shot. If there could be some way I could go along, I'd sure give my eye teeth to go. Just a thought.

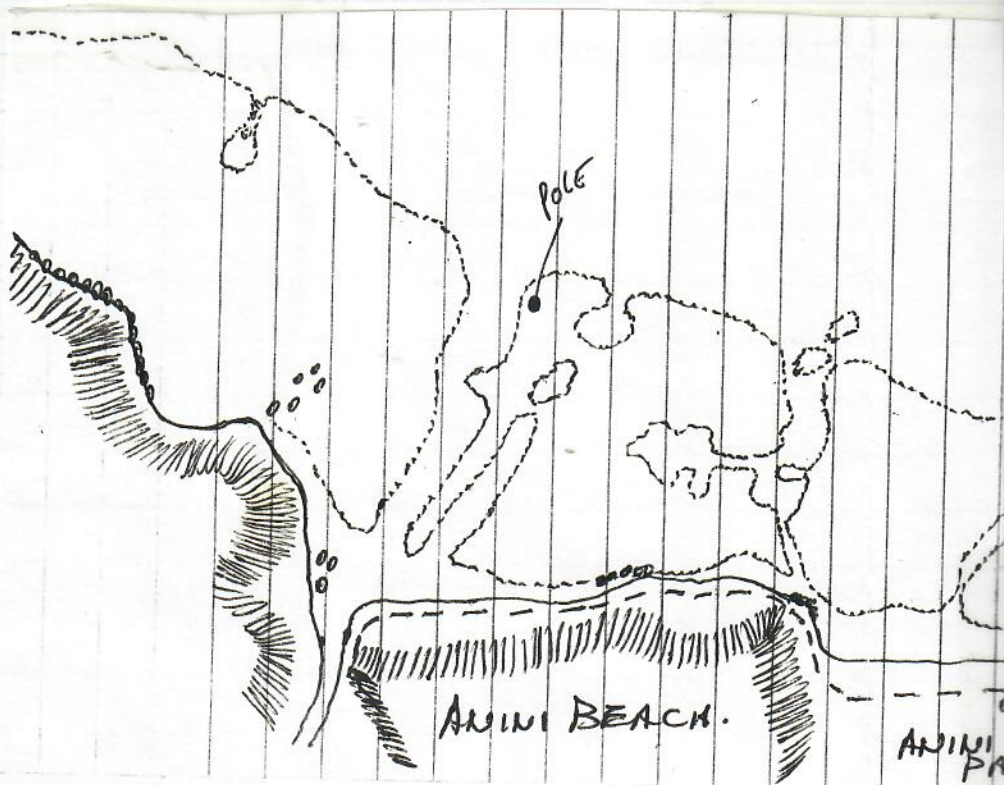
Again, thanks for the information. Give me a call some time. Evenings are best as I am usually out in the field during the day. I will be up on the Mainland for my daughters graduation from U.C. Davis for two weeks during the middle of June. Other than that, I'm here.

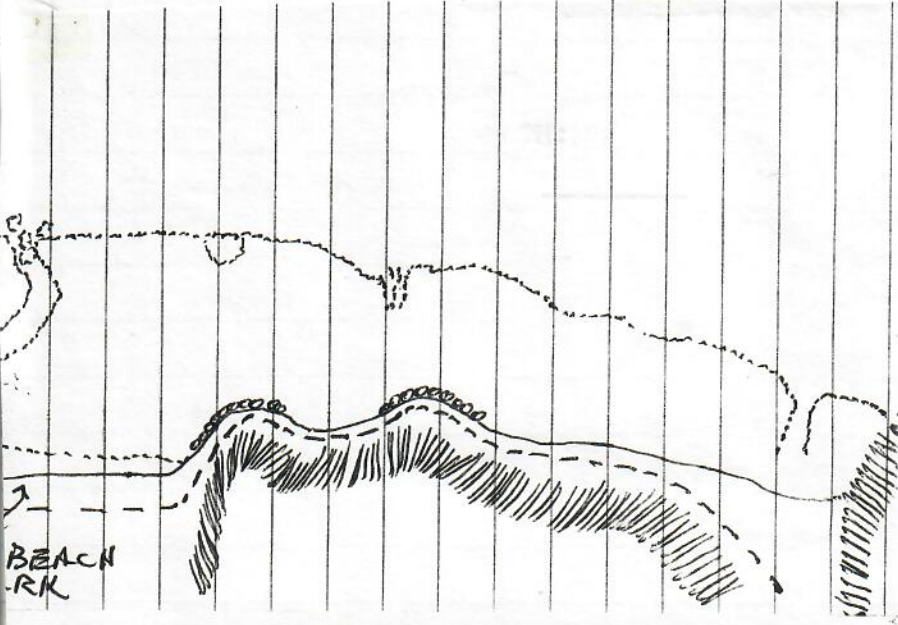
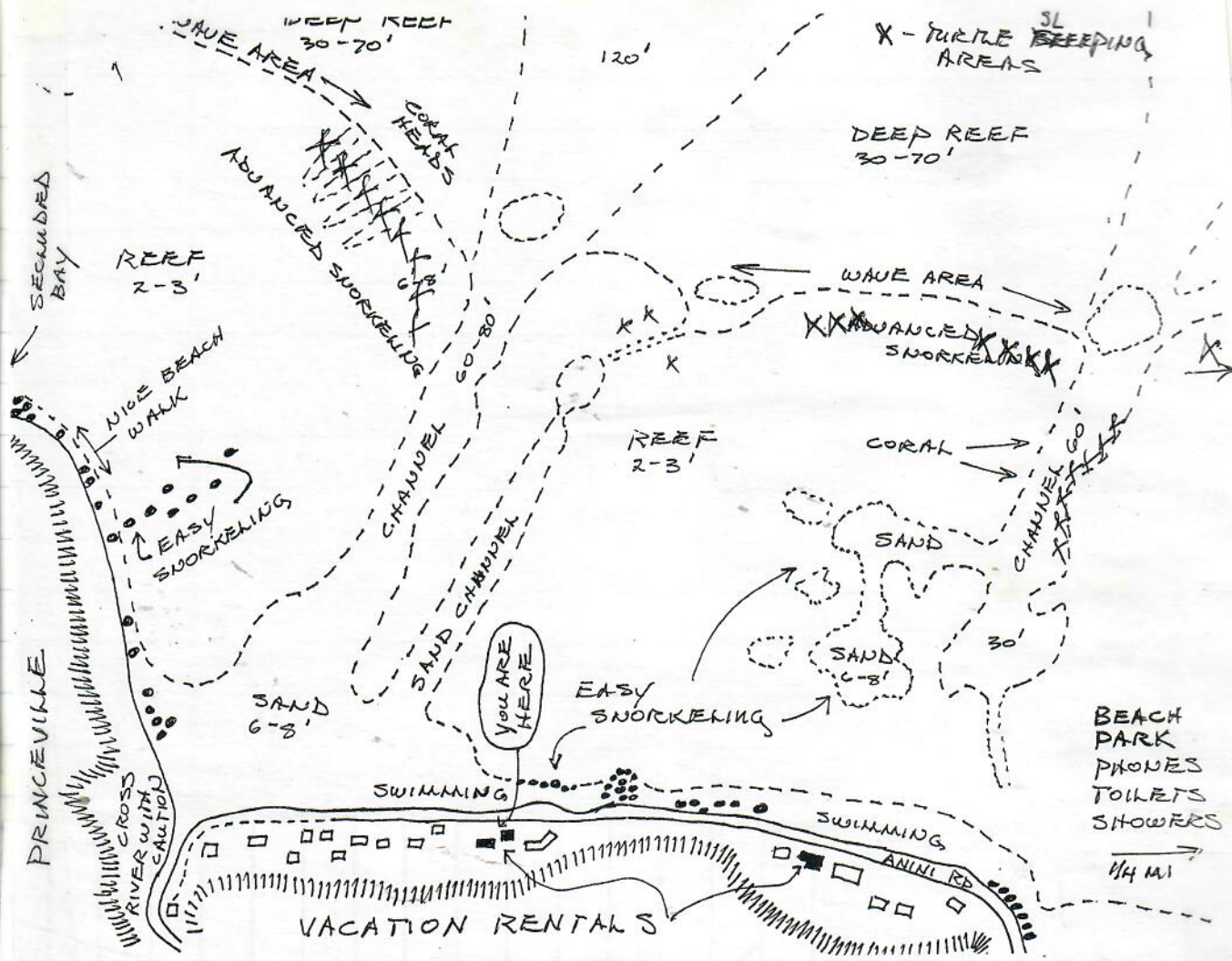
Aloha

Sterling Chisholm

Sterling Chisholm

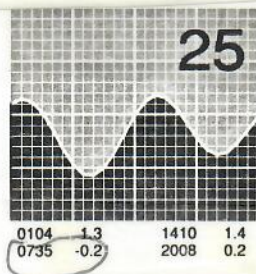
UB:





APRIL 95

Kawai



25 APRIL 95

TUES.

Depart 8:55 am Flight 31 for Kawaihewa

Arrive 9:30 am - National Car rental

No Turtles
Seen"How
point
here?"

Drove to Anini Beach via Lydgate

Park where I observed shelling during low tide. No turtles seen, but waves breaking over wall. ANINI Reef is calm, but some green channels. Man said many turtles now at night on reef. Also years ago.

Southbound on Kula Hwy left on Koolau Rd. just past Kilavea - ago.

No Turtles
Seen

TO white Post "Beach access" + powerline

Pole #29 KED 130-530 #1401

TO Beach KAAKAANIU, observed for 15 min. - No turtles seen near bulge reef.

2:30 pm CONTINUED TO MOLOAA Rd. TO Dead end. No Turtles Seen

POIPU - SPOUTING HOEN

TO RIGHT - LAVA outcrop - 4-5 Turtles medium seen feeding near wave break.

"COMMERCIAL INTEREST" - James Baker question. Need - Dive tour brochures +

Note explaining.

2:45 pm Vacant lot just east of KUKUIOLA Harbor - Several turtles seen in break right near rocky shoreline.

Kawai

4/25/95

3:15pm Beach House Restaurant - small adjacent
White Sand Beach
1-2 seen feeding in front

3:30pm Prince Kuhio's Birth Place - 2-3 feeding west
Pickup truck to rocks on right - hard point.

White, bed - Red cab

H/State KPS 439

Gull wet? had tube.
Spear fisher.

4pm Poipu Beach Park - 1 ^{small} seen feeding off rocks
to left of sand beach. Just to the
east is Nukunoi Point.

4:15pm Drove past Hyatt on dirt road
to horse riding stable. Noted prior
"Honu Kai Report" on Nukunoi Pt.
Also advertised - "Honu Realty"

Kalipiwai Bay - two way to approach
by road - one to the NW, continues to
Anini beach dead end (at 4453 Anini Rd).
The other goes right to the ~~to~~ sand
beach, from the east side.

Notes - Molokai shoreline "development", no set
back, dead end at "beach access" trail.
must be one of worst in all Hawaii.

5:12pm Depart FZ 282.

Island History

The Garden Island

Hank Soboleski

2-16-07 A2

www.kauaiworld.com

Sometaro Sheba Founder of The Garden Island

Sometaro Sheba (originally Shiba) was born on the island of Shikoku, Japan, in 1870 and was educated at Aoyama Gakuin, an American Methodist college in Tokyo, where he excelled in the English language.

Adventurous, ambitious and impulsive, Sheba sailed for Hawai'i in 1891 and turned his bilingual talent to profit as a sales clerk at the Lihue Plantation Store. When a branch store opened in Hanama'ulu, he was selected to manage it.

After 10 years with the plantation, Sheba moved on to work as an interpreter and translator at the courthouse in Lihue and establish two newspapers: the *Kauai Shuho* for



Sometaro Sheba

But a tour of Japan with Honolulu businessmen in 1917 — his first visit there since he'd emigrated 26 years earlier — left him homesick for the country of his birth and he returned home to Japan with his wife and six children that same year.

At first, he worked as a journalist. Later, Sheba sold *Hawaii Shimpo* and bought the *Japan Times*, an English-language daily.

Sometaro Sheba retired in 1932 and died in Japan in 1946.

Japanese readers, and *The Garden Island*. The following year, 1902, saw the first edition of the weekly *The Garden Island* printed in January in Kapaia, using a press Sheba acquired from the Mahumu Industrial School that had closed in 1898. Subscription cost was \$1 per annum, payable in advance.

A year later, Sheba sold his newfound newspapers to a corporation formed on Kaua'i, yet carried on as publisher and editor.

Determined to continue his success, Sheba obtained a loan in 1907 from merchant C. H. Bishop and left Kaua'i for Honolulu to buy the *Hawaii Shimpo*, a daily Japanese-language newspaper.

By this time, word of his publishing acumen — three papers in five years — earned him local notoriety as the "Hearst of Hawai'i."

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Sometaro Sheba retired in 1932 and died in Japan in 1946.

**Sometaro Sheba**

OSRWS KILAUWA POINT NWR

111

February 15, 2007

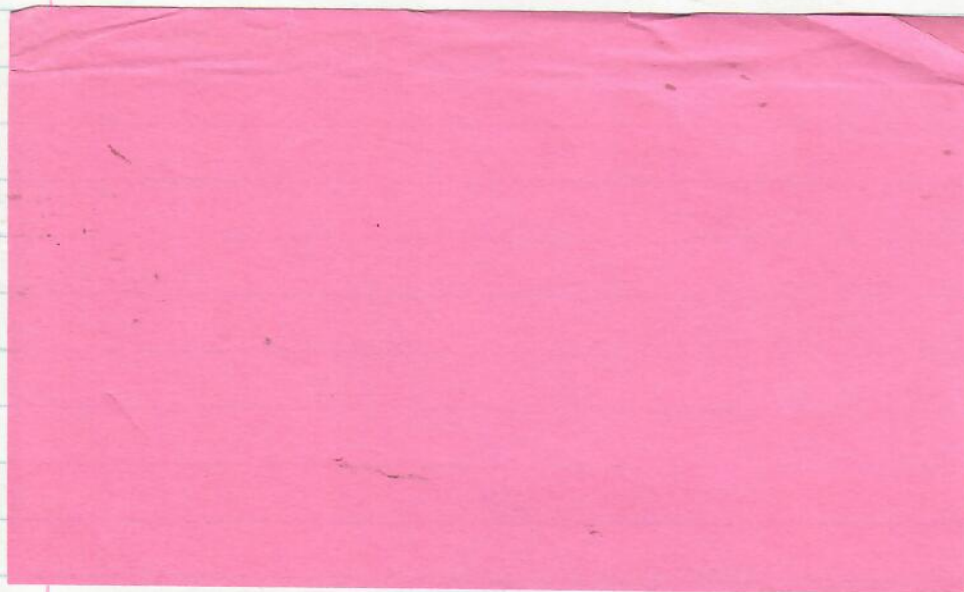
Lecture

Thursday

Depart ^{flight} alone HA 343 1230pm for
LITUE

Note

David Boynton fell ~300ft several days ago on
trail down to Mikiiki to take pictures
of basking turtles.



Maui Garden Isle

See p. 17

R
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The Hawaiian Islands



TUMOR SCORE:

114 Poipu
10/18/94
2:45 pm

Prince Kuhio's Birthplace
monument
- Bay -
close to shore
Turtle
seen foraging
in wave-break
by rocks

TKS
F792 LH
Seen in
cave
10/18/94
Shervaton

Photos
Sent 12/94

Ray + Daphane Peratta 4678 Inaena Rd.
Kapaa, HI 96746

Luther Burney 4311 WILCOX RD
Lihue HI 96766

need
my
Kauai Times
letters

Akun Iwasaki
Sea Grant 5449 Olopuu St.
Kapaa 96746

Rex Rapozo PO Box 61449 Lihue HI 96822

Laura Baraka
RINAMOTO
MIKE BOWLES VESSELOUNDER

Sent
"Handouts"
"Objective"
for
lecture

MIKE HERBERT
JACK SCHULTZ
ANDREW ELLIS
J.D. PMRF
CHRISTINE

Address 2:45 pm
4914
Poipu Beach Rd
(name?)
close to shore -
10/18/94 turtle seen
foraging in wave-break
by rocks

no notes
seen as
this trip

Wally Batna cast lecture 2 years ago,
2/15/07 TO KAWAI
Thursday 12:30pm HA alone

ate lunch at Subway
Kala (Waipuh, Shopping Center)

visited Lyngate near golf course -
lots of dark beach, family expansions.
Stoney enclosure for ~~stony~~ seems
to have been rebuilt?
Turtles ever still seen here?

checked in to Kawa, Sands Room 253
Lime side of Coconut Shopping center
CSC has "eggberts" restaurant I often
heard advertised in 70s & 80s when camped
on East Island.

Lecture 6 - 5:15 pm Parish Hall
note book wouldn't work right - no
picture on screen

- need ① need my own Compro
- ② pdfs to Miami
- ③ sponsor Miami
- ④ others?
- ⑤ Lyngate turtles still?

2/16/07 Friday breakfast at Kawai
Sands Restaurant, Did Irene
Kurzia wife inf. faxed
Depart 1:30pm HA for Honolulu

2/15/07 Please also sign
THIS BOOK (FOR MR. BACAZZ)
KILAUEA Volunteer Association

BYRON GOURLEY
Dolores GOURLEY

Paul Ratté
Judy Ratté

Nickie Rignoli
Kathy Sass

CINDY GRANHOLM
Cathy Granholm

Edna Snyder
Steve Cjos

Patricia Hallmark
Lona Hallmark

Rebecca Williams
Marilyn Knight

Elkaefer

Lilly Daly = AN, AN, - Kawai Resid. since 1950s

Brenda Tamm

Mimi Olyn → pet w/ DLNR MONK seeds
Colett WEJCH

Lecture
"Parrish Hall"
6-8:15 PM
Thursday,

Hotel -
KAWAI Sands
IN KAPAA

(2007 season)
Applied for FWSTWtle Tech

see p 113

PHOTO
SUE BOYD



Map 1
Page 60
East Kauai

Map 2
Page 64
North Kauai

Tag Nos.	Date	Carapace Length (cm)		Weight (lbs)	Captured Method
		Straight	Curved		
K551, K552, K553	04/13/94	40.7	43.0	19.0	Hand/Scuba
K554, K555, K556, K557	04/13/94	48.8	52.0	35.0	Hand/Scuba
K558, K559, K560, K561	04/13/94	68.9	74.0	---	Hand/Scuba
K820, K821, K822, K830	05/17/94	72.6	77.5	---	Hand/Scuba
K823, K824, K825, K831	05/17/94	66.0	71.5	---	Hand/Scuba
K826, K827, K828, K829	05/17/94	75.9	81.5	---	Hand/Scuba
K832, K833, K834, K835	05/17/94	78.0	84.5	---	Hand/Scuba
K836, K837, K838, K839	05/17/94	57.8	62.0	---	Hand/Scuba
K840, K841, K842, K843	05/17/94	62.7	67.0	---	Hand/Scuba
K844, K845, K846, K847	05/17/94	59.9	64.0	---	Hand/Scuba

Tag Nos.	Date	Carapace Length (cm)		Weight (lbs)	Captured Method
		Straight	Curved		
K848, K849, K850, K851	05/17/94	61.3	66.0	---	Hand/Scuba
K852, K877, K878, K879	05/17/94	72.1	78.0	---	Hand/Scuba
K854, K871, K872, K873	05/17/94	70.0	75.0	---	Hand/Scuba
K859, K860, K861, K862	05/17/94	46.2	50.0	---	Hand/Scuba
K863, K864, K865, K866	05/17/94	49.3	53.0	---	Hand/Scuba
K867, K868, K869, K870	05/17/94	71.2	76.0	---	Hand/Scuba
K875, K876, K880, K881	05/17/94	69.2	74.0	---	Hand/Scuba
K901, K902, K903, K904	06/10/94	75.5	81.0	---	Hand/Scuba
K905, K906, K907, K908	06/10/94	70.2	74.5	---	Hand/Scuba
K909, K910, K911	06/10/94	43.1	45.5	---	Hand/Scuba
K912, K913, K914, K915	06/10/94	82.8	88.5	---	Hand/Scuba
K916, K917, K918	06/10/94	62.4	66.0	---	Hand/Scuba
K919, K920, K921, K922	06/10/94	49.3	52.5	---	Hand/Scuba
K923, K924, K925, K926	06/10/94	46.7	50.5	---	Hand/Scuba
K943, K944, K945, K946	06/10/94	70.0	75.0	---	Hand/Scuba

Tag Nos.	Date	Carapace Length (cm)		Weight (lbs)	Captured Method
		Straight	Curved		
K947, K948, K949, K950	06/10/94	47.4	50.0	---	Hand/Scuba

**OBJECTIVES OF
THE NMFS/TORCH MARINE TURTLE RESEARCH PROJECT
AT POIPU, KAUAI**

OVERALL: To ensure the long-term conservation and biological recovery of marine turtles in the Hawaiian Islands and the habitats upon which they depend.

SPECIFIC OBJECTIVES:

1. To determine the approximate number of turtles and their size-classes, by species, resident to this location.
2. To determine the types of life-support activities undertaken by the turtles.
3. To ascertain the food sources utilized by the turtles.
4. To calculate growth rates and estimated ages at sexual maturity.
5. To determine adverse impacts to the turtles, both from humans (i.e., fishing nets, rubbish) and from natural factors (i.e., parasites, shark predation).
6. To estimate the recruitment rates of juvenile turtles to the Poipu population from pelagic habitats.
7. To determine coastal movements and breeding migrations being undertaken by the turtles.
8. To examine the health status of the turtles with regard to the fibropapilloma (tumor) disease affecting other Hawaiian sea turtles.

METHODOLOGY: The above objectives will be accomplished by establishing a group of tagged turtles at Poipu for longterm monitoring to compare with groups of tagged turtles currently under study elsewhere throughout the Hawaiian Islands.

HAWAII'S ENVIRONMENT

JAN TENBRUGGENCATE

9-18-00
**Kaua'i THA
infected
with 'kiawe
from hell'**

A very long-thorned form of kiawe is spreading on the west side of Kaua'i, and landowners are being urged to eradicate it before it gets worse.

The plant, *Prosopis juliflora*, first appeared in Hawai'i in 1978 at Sand Island on O'ahu. It appeared several years ago along the sandy coastline at Māna on Kaua'i. It's not clear whether seeds washed ashore from the O'ahu infestation, or whether the plant was inadvertently imported by humans.

Its thorns, some as long as two inches, are the problem. They are sturdy, and can puncture automobile tires, as well as slippers and shoes.

Surfers and fishermen who drive down sandy roads to the beach refer to the plant as "the kiawe from hell."

Botanist Winona Char found the plants established along the beach during a recent botanical survey at Kapalawai, the Robinson family home near Pākalā.

The plants were restricted to the coast, and apparently had grown from seeds washed down the coastline from trees at the nearby Pacific Missile Range Facility.

Char said she also performed a botanical survey for the missile range, and found what she assumes is the mother plant for the West Kaua'i infestation.

"I found a huge plant, about 25 feet tall and wide," she said.

Char said she has recommended to the missile range that it eradicate the long-thorned kiawe. In recent testimony before the state Land Use Commission on a proposed developed at Kapalawai, she also recommended the plants be eradicated.

Kaua'i attorney Laurel Loo, at the same Land Use Commission hearing, said that during a field trip to the Kapalawai site, kiawe thorns pierced her sneakers.

One serious concern: The long-thorned kiawe readily crosses with the traditional kiawe found in Hawai'i, creating a new strain of trees with long thorns.

The first traditional kiawe, *Prosopis pallida*, was brought to the Islands in 1828, and planted at the old Catholic Mission grounds on Fort Street. While kiawe, also known as algaroba or mesquite, is from the Americas, its seed came by way of the royal gardens in Paris.

The offspring of that Fort Street tree sired all the subsequent kiawe forests on the dry leeward sides of the Islands. The tree does well in dry areas, and kiawe seed pods have been used for cattle feed.

Thorn length isn't the only difference between the long-thorned and standard kiawe. Leaflets on the long-thorned variety are considerably larger than those found on the standard kiawe, which has small, feathery leaflets.

Char said the long-thorned variety also has a tendency to extend long, narrow, thorned branches out along the ground, where they are easily stepped on or driven upon.

Kauai Swim With The Sea Turtles

2002

The gentle, lumbering, Pacific Green Sea Turtle makes its home in Hawaii waters. Turtles feed on seaweed called limu that grows on the rocks in shallow areas. The turtles are referred to as green not for the color of the algae growing on their backs, but for the color of their meat. Yup. It's green. Since 1979, the turtles have been protected by the Endangered Species Act, and it is against the law to harass them in any way, including touching.

Turtles, like salmon, return to where they were hatched, to lay their eggs. Every second or third year, turtles migrate hundreds of miles to nest. Each female will lay two or three clutches of 100 to 110 eggs each before swimming back to their favorite resting and feeding areas in the protected waters of the inshore reef.

Kaua'i, being millions of years older than the other inhabited islands in the chain, has by far the most protective reefs.

The best snorkeling is inside these natural barriers where there are hundreds of species of fish, one third of which are found nowhere else in the world. Also to

be seen are octopus, eels and many bottom fish, which specialize in camouflage. And, of course, if you're lucky, you might even swim a few laps with a turtle. It helps to snorkel with an experienced guide. Most local boat companies, including SeaFun Tours (245-6400) offer guided snorkeling tours. For more information, see our 101 Directory.

decaliter	(dl)	1.14 pecks
hectoliter	(h)	2.84 bushels



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2-05
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Draft LAWAI KAI NEST #1 (3 June 2007)

UTM: _____

EXCAVATION: 4 September 2007 (Day 93)

SUMMARY

Excavation by Don Heacock

Data recorded by Skippy Hau.

UNHATCHED EGGS		5
EMPTY SHELLS		30
<hr/>		
DEAD HATCHLINGS		0
LIVE HATCHLINGS		0
ESTIMATED HATCHLINGS EMERGED ON THEIR OWN		30
ESTIMATED TOTAL	(30/35= 86%)	93

9/04/07Sh

EMPTY SHELLS

DEAD HATCHLINGS

LIVE HATCHLINGS

ESTIMATED HATCHLINGS EMERGED ON THEIR OWN

ESTIMATED TOTAL

(75/75= 100%)

Three hatchlings released on beach by the evening

9/04/07Sh

Draft LAWAI KAI NEST #2 (4 July 2007)

UTM: _____

EXCAVATION: 4 September 2007 (Day 62)

SUMMARY

Excavation started at 15:50 by Don Heacock, Rick, David Beirne(sp?) & Skippy Hau.

Two hatchling found and covered with towel for excavation later.

16:05 Resume excavation.

Data recorded by Skippy Hau .

Depth of first egg shell at 15 inches.

Nest diameter about 12 inches.

Depth at bottom of nest 22 inches.

Excavation ended at 16:56.

UNHATCHED EGGS	3
EMPTY SHELLS	75
<hr/>	
DEAD HATCHLINGS	0
LIVE HATCHLINGS	3
ESTIMATED HATCHLINGS EMERGED ON THEIR OWN	72
ESTIMATED TOTAL	75
	(75/78= 96%)

Three hatchlings released on beach in the evening.

9/04/07Sh

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