

BACARS

1995-1997

2 of 2

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

PUNALUU #329 #330 #331  
20-5/10/96 8-9/10/96

#322 #333  
4-15 Nov 96

## SEA TURTLE TAGGING FORM

⑨

CAPTURE DATE, LOCATION AND METHOD:

6/26/96	Punaluu	HAND SNORKEL
PERSON RECORDING DATA: Michelle C.		

OLD TAGS:

LFL V-365

NEW TAGS: RFL

TUMOR  
SCORE

RFL V-366

LFL

0

RH V-367

OTHER  
NEW  
TAGS:

LH K-268

squashed

STRAIGHT CARAPACE-LENGTH:

68.1

WIDTH:

53.7

NOTCH LENGTH:

68.1

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

73.5

WIDTH:

68.0

HEAD WIDTH:

10.1

SEX: MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Yes

TAIL LENGTH:

T

16.0

C

11.5

RIGHT FRONT FLIPPER WIDTH:

11.8

SAMPLES COLLECTED:

PLASTRON LENGTH:

53.2

Blood (V-365)

WEIGHT:

—

for Plasma

banking,

DESCRIPTIVE REMARKS:

RBC for DNA,

(10)

## SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

6/26/94

Punaluu

HAND

PERSON RECORDING DATA: Michelle C.

snorkel

OLD TAGS:

RFL N-388

NEW TAGS: RFL

TUMOR  
SCORE

LFL —

LFL

LH H-194

OTHER  
NEW  
TAGS:

0

RH N-531

STRAIGHT CARAPACE-LENGTH:

71.8

WIDTH:

55.1

NOTCH LENGTH:

71.7

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

76.5

WIDTH:

71.0

HEAD WIDTH:

10.7

SEX: MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Yes

TAIL LENGTH:

T

18

C

11.5

RIGHT FRONT FLIPPER WIDTH:

13.4

SAMPLES COLLECTED:

PLASTRON LENGTH:

56.6

Blood (H-194)

for plasma banking

WEIGHT:

—

~~RBC for DNA~~

DESCRIPTIVE REMARKS:

LFL Healed V-notch

posterior Left eye small ~~bulge~~ (black) lump

SEA TURTLE TAGGING FORM

87

CAPTURE DATE, LOCATION AND METHOD:

11

6/26/96 Punaluu HAND  
PERSON RECORDING DATA: Michelle C. snorkel

OLD TAGS: LFL - 5493 NEW TAGS: RFL  
RFL - 5494 LFL  
LH - K-279 OTHER NEW TAGS:  
RH - K-280

TUMOR SCORE  
0

STRAIGHT CARAPACE-LENGTH: 74.8 WIDTH: 59.4

NOTCH LENGTH: 74.8 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 79.5 WIDTH: 73.5

HEAD WIDTH: 11.3

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE Yes

TAIL LENGTH: T 19 c 14

RIGHT FRONT FLIPPER WIDTH: 12.9 SAMPLES COLLECTED:

PLASTRON LENGTH: 58.7 Blood (K-279)

WEIGHT:   
 for plasma banking  
~~RBC for DNA~~

DESCRIPTIVE REMARKS:

## SEA TURTLE TAGGING FORM

12

CAPTURE DATE, LOCATION AND METHOD:

6/26/96

Punaluu

HAND

PERSON RECORDING DATA:

Michelle C.

SNORKEL

OLD TAGS:

RFL-8922

NEW TAGS: RFL

TUMOR  
SCORE

LFL-8923

LFL

LH K-583

OTHER  
NEW  
TAGS:

RH V-523



STRAIGHT CARAPACE-LENGTH:

70.5

WIDTH:

53.9

NOTCH LENGTH:

70.3

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

74.5

WIDTH:

68.0

HEAD WIDTH:

10.3

SEX: MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Yes

TAIL LENGTH: T

21

c

14.5

RIGHT FRONT FLIPPER WIDTH:

13.0

SAMPLES COLLECTED:

PLASTRON LENGTH:

55.2

WEIGHT:

—

DESCRIPTIVE REMARKS:

P.C. - I in mouth

## SEA TURTLE TAGGING FORM

13

CAPTURE DATE, LOCATION AND METHOD:

6/26/96

Punalú v

HAND

PERSON RECORDING DATA: Michelle C.

SNORKEL

OLD TAGS:

LFL J-458

NEW TAGS: RFL

TUMOR  
SCORE

RFL J-459

LFL

LH J-460

OTHER  
NEW  
TAGS:

RH J-461

0

STRAIGHT CARAPACE-LENGTH:

68.9

WIDTH:

55.3

NOTCH LENGTH:

68.5

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

73.5

WIDTH:

70.5

HEAD WIDTH:

10.7

SEX: MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Yes

TAIL LENGTH:

T

16.5

c

11.5

RIGHT FRONT FLIPPER WIDTH:

11.9

SAMPLES COLLECTED:

PLASTRON LENGTH:

53.5

WEIGHT:

—

DESCRIPTIVE REMARKS:

(1A)

## SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

6/26/96

Punalu'u

HAND  
SNORKEL

PERSON RECORDING DATA: Michelle C.

OLD TAGS:

LFL 7570

NEW TAGS: RFL

RFL 7550

LFL

Q-598

TUMOR  
SCORE

RH Y649

OTHER  
NEW  
TAGS:

○

STRAIGHT CARAPACE-LENGTH:

77.2

WIDTH:

59.2

NOTCH LENGTH:

77.2

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

81.5

WIDTH:

75.0

HEAD WIDTH:

11.4

SEX: MALE, FEMALE OR  
UNDETERMINED

M

PPS: YES OR NO OR NE

YES

TAIL LENGTH: T

27.5

c

21

RIGHT FRONT FLIPPER WIDTH:

14.5

SAMPLES COLLECTED:

PLASTRON LENGTH:

59.3

Blood (Y-649)

WEIGHT:

—

for plasma bank  
RBC for DNA

DESCRIPTIVE REMARKS:

Leeches - In <sup>Right</sup> Mouth Jaw Hinge - Removed

SEA TURTLE TAGGING FORM

15

CAPTURE DATE, LOCATION AND METHOD:

6/26/96	Punalu'u	HAND
PERSON RECORDING DATA: Michelle C.		Snorkel

OLD TAGS:	<del>L3-4</del> F-8	NEW TAGS: RFL	
TUMOR SCORE	RFL F-6	LFL	
1	LH F-7	OTHER NEW TAGS:	
	RH K-531		

STRAIGHT CARAPACE-LENGTH: 58.7 WIDTH: 46.0

NOTCH LENGTH: 58.5 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 63.5 WIDTH: 57.5

HEAD WIDTH: 9.6 SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE ~~Yes~~ Yes

TAIL LENGTH: T 12 C 8

RIGHT FRONT FLIPPER WIDTH: 11.9 SAMPLES COLLECTED:

PLASTRON LENGTH: 46.0 Blood (F-6)

WEIGHT: — for plasma banking, RBC for DNA.

DESCRIPTIVE REMARKS:

Leeches in Right & Left Jaw Hindge - Removed  
1-#1 in Right Jaw Hindge



16

## SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

6/26/96	Punaluu	HAND
PERSON RECORDING DATA: Michelle C.		SNORKEL

OLD TAGS:

LFL F-12
RFL F-13
RH J-452
LH F-14

NEW TAGS: RFL

LFL

TUMOR  
SCORE
 0
OTHER  
NEW  
TAGS:

STRAIGHT CARAPACE-LENGTH:

69.2

WIDTH:

51.3

NOTCH LENGTH:

68.7

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

73.5

WIDTH:

63.5

HEAD WIDTH:

10.7SEX: MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Yes

TAIL LENGTH: T

16

C

12

RIGHT FRONT FLIPPER WIDTH:

12.4

SAMPLES COLLECTED:

PLASTRON LENGTH:

53.3

Blood (F-12)  
for plasma banking  
RBC for DNA

WEIGHT:

—

DESCRIPTIVE REMARKS:

P.C. In mouth

## SEA TURTLE TAGGING FORM

17

CAPTURE DATE, LOCATION AND METHOD:

6/26/96	Punaluu	HAND
PERSON RECORDING DATA: Michelle C.		SPORKEH

OLD TAGS:

LFL R-595

NEW TAGS: RFL

TUMOR  
SCORE

RFL R-594

LFL

0

LH R-596

OTHER  
NEW  
TAGS:

RH J-424

STRAIGHT CARAPACE-LENGTH:

60.2

WIDTH:

48.1

NOTCH LENGTH:

60.2

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

64.5

WIDTH:

57.0

HEAD WIDTH:

9.8

SEX: MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Yes

TAIL LENGTH:

T

12.5

c

9

RIGHT FRONT FLIPPER WIDTH:

10.5

SAMPLES COLLECTED:

PLASTRON LENGTH:

48.7

~~Blat R-594~~

WEIGHT:

—

DESCRIPTIVE REMARKS:

P.C. IN-MOUTH  
Traced Hind Flippers ID R594

## SEA TURTLE TAGGING FORM

(18)

CAPTURE DATE, LOCATION AND METHOD:

6/26/96

Ponalóu

HAND

PERSON RECORDING DATA:

Michelle C.

SNORKEL

OLD TAGS:

LFL K-580

NEW TAGS: RFL

TUMOR  
SCORE

RFL K-579

LFL

1

LH K-581

OTHER  
NEW  
TAGS:

RH K-582

STRAIGHT CARAPACE-LENGTH:

54.6

WIDTH:

41.6

NOTCH LENGTH:

54.3

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

59.0

WIDTH:

51.0

HEAD WIDTH:

9.1

SEX: MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Yes

TAIL LENGTH:

T

11.5

c

9

RIGHT FRONT FLIPPER WIDTH:

9.9

SAMPLES COLLECTED:

PLASTRON LENGTH:

41.7

Blood (K-579)

WEIGHT:

50

banking.

DESCRIPTIVE REMARKS:

~~RBC for DNA.~~

1-1# Left Saw Hindge

Traced Hind Fippers

1-1# Right Saw Hindge

ID K579

SEA TURTLE TAGGING FORM

Inv  
Punaluu  
#31 (19)

CAPTURE DATE, LOCATION AND METHOD:

2/26/96	Punaluu	HAND
PERSON RECORDING DATA: Michelle C.		SNORKEL

OLD TAGS:	LFL B-338	NEW TAGS: RFL	
	RFL B-339	LFL	
TUMOR SCORE	RH B-341	OTHER NEW TAGS:	
1	LH B-340		

STRAIGHT CARAPACE-LENGTH: 59.3 WIDTH: 46.1

NOTCH LENGTH: 59.0 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 63.0 WIDTH: 57.5

HEAD WIDTH: 9.5 SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE Yes

TAIL LENGTH: T 13 c 9.5

RIGHT FRONT FLIPPER WIDTH: 9.8 SAMPLES COLLECTED:

PLASTRON LENGTH: 54.9 B-338

WEIGHT: 59 Blood for plasma banking.

DESCRIPTIVE REMARKS: RBC for DNA

1-#1 Left Saw Hindge  
1-#1 Right Saw Hindge

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:

--

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:

--

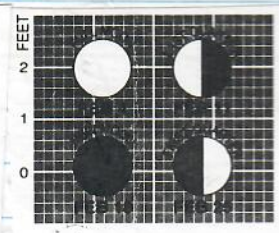
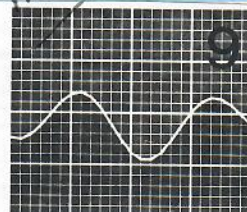
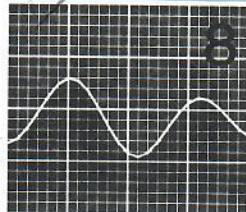
DESCRIPTIVE REMARKS:

--	--

8-9 FEB. 96

Thurs

Friday



0612 1.6 1912 1.2  
1254 0.1

0046 0.5 1330 0.1  
0646 1.4 2014 1.3

# PUNALUU #30

2/8/96 Dept FL 246 Aroha - Balazs & R. Morris, <sup>DVM</sup>  
Thursday Have Bronze name plaque for Kaula monument.

Need - ① Blood -- plasma for banking  
Biopsies of any tubed turtles

- ② Check Niwale Pond for turtle
- ③ Look for previous dead turtle.

- ④ Hydro - ship 21 Feb
- ⑤ deep net
- ⑥ Wild camp - analysis - Bogg  
Cumber saw down - Soft ware
- ⑦ onset loggers
- ⑧ Blood plasma
- ⑨ Load soft ware - dump analysis Carbag
- ⑩ K Bay ? for MAREC/STUDENTS.

Determine which RBC for DNA samples are  
duplicates of ones already taken (Blood for DNA)

- ⑪ Contract Molokai

# PLASMA FOR BANKING Purvalum #30

✓ K579

8722

K257

R88

V529 (2) Tubes

Q271

H191

✓ N388

J459

Q267

H915

R594 (2) Tubes

7623 (2) Tubes

Q262

✓ V360

Q265

✓ K259

✓ 5494

✓ N540

R586

V366 (2) Tubes

✓ B24

7604

✓ R91

R.85

← SAME

SAME →

RBC for DNA - TO Dutton

Free

2/13/96

(Copy in Dutton FILE?)

- V366 #2 (2)
- 7623 (2)
- Q262
- V360
- Q267
- 8922
- R88
- H191
- R594 (2)
- K257 (2)
- Q265
- V529 (2)
- Q271
- N388
- H915
- J459 ~~K267~~
- 55494
- R91
- 7604
- N540
- R586
- K579
- R85
- B24

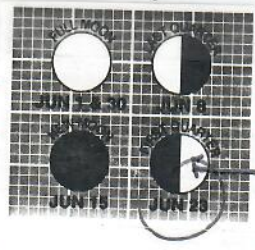
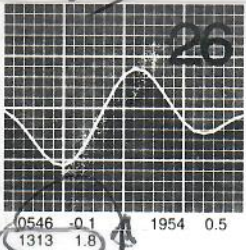
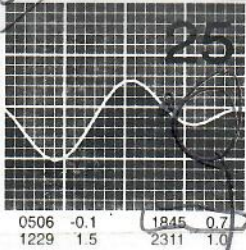
- 25-26 June 96  
Needs Punaluu #31
- Hawaiian - Danny
  - Samoan translation - Q&A Liti
  - Save <sup>DNA</sup> RBC's from all locations, but cross check for duplicates.
  - Deploy cassettes - Kamehame
  - check for SAT24179
  - need all past "SATs" used at East, FF3 TO TOPS
  - PRINT photo of 4802 <sup>ST3</sup> Recov.
  - 7622-23, N832, B25 TMR Score 12 Transferred from Punaluu to Hilo
  - 2/9/96 - Watch for it back at Punaluu
  - check for missing blood (broken in centrifuge 6/26/96 to delete from data sheet).

(24) ANIMALS



IVES: June wed 96

Punaluu #31



9:30 PM  
by boat ramp  
2 HAs  
Capt. Fuedy  
Apparently  
not eating

NOON  
17  
Snorkel

TUESDAY  
25 JUNE 96 Depart Flight 245 1045 AM Aoloka  
for Hilo - Luti LANVAO - REU student

6/26/96 5 PM FL 75

see p. 95 TDR 96366

Date: Thu, 5 Dec 1996 15:08:18 -0800 (PST)  
From: Dirk Neumann <drn2@axe.humboldt.edu>  
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
Cc: Hawaii Preparatory Academy <mrice@hpa.edu>, Walter Dudley <Dudley@uhunix1.its.hawaii.edu>, Leon Hallacher <leon@uhunix1.its.hawaii.edu>, Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>, Denise Ellis3 <dellis@honlab.nmfs.hawaii.edu>  
Subject: Re: TDR turtle at Punaluu

Dear Dr. Balazs :

Thanks very much for e-mail. I feel very privileged having had a chance to see this magnificent turtle. Is it indeed a green sea turtle? Brenda Becker and I hypothesized it might be a hawksbill turtle when I called her to report the sighting. I am still a little concerned that the heavy tourist traffic to this beach can adversely affect the turtles - it was petted by 3 tourists while I was there, some discussed dragging it back into the ocean, "because it was obviously stranded and will probably die up and die". Fortunately, I could convince them that this was not the case. Especially, when there is any chance that they will lay eggs there, I believe that a section of the beach should be fenced off and monitored continuously. Some sort of plaque explaining a little bit of turtle biology would probably also be useful (including a warning in bold type: "Do not try to push the turtle back into the ocean")

Regarding the time-depth recorder : I did not observe it very closely, but it seemed to be in good shape. There was a dark green plastic rectangle bordered by white material (presumably the resin?). The edges of the white parts showed a little wear - some notches and scratches, but overall it seemed like it was still very firmly attached, and didn't have any major cuts that could lead to leakage. On the dark green plastic rectangle I thought I noticed some condensed water on the inside, but that may have been on the outside, too. I didn't touch it, and like I said I didn't look too closely. If it would be of any use to you, I could send you a picture of the turtle with the TDR. It won't be a close-up of the device, but may be you can still see what's important to you. If you send me your mailing address, I can send you a print as soon as I get the film developed.

The turtle seemed pretty "exhausted" it didn't move at all. You could only tell it was alive, because it took a breath approximately every two minutes, and because it blinked several times (eyes shut the whole time except for the brief blinking eye-lid movement). Here is another tourist-anecdote that I'm sure you will want to share with everybody involved in the project : A ca. 60-year old woman exclaimed : "This isn't real, it's not moving ! Look (pointing to the TDR) there is the receiver for the remote control !" She was seriously convinced that it was an RC toy - at least until the turtle breathed again.

Did anybody go down there and observe it after I notified you, or was it already gone? Keep me posted on what happened to this turtle and best of luck for your research !

Looking forward to hearing from you again !

Yours,

Dirk

Date: Wed, 4 Dec 1996 14:31:52 -1000 (HST)  
From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
To: drn2@axe.humboldt.edu  
Cc: Hawaii Preparatory Academy <mrice@hpa.edu>, Walter Dudley <Dudley@uhunix.uhcc.hawaii.edu>, Leon Hallacher <leon@uhunix.uhcc.hawaii.edu>, Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>, Denise Ellis3 <dellis@honlab.nmfs.hawaii.edu>  
Subject: TDR turtle at Punaluu

Dear Dirk Neuman: Many thanks for reporting to us your observations of our Time-Depth Recorder (TDR) turtle hauled out sleeping on the beach on 12/1 at Punaluu on the Island of Hawaii. We really appreciated receiving this information. It is not uncommon these days for green turtles at this location to bask ashore. And, in most instances, they are very resistant to the presence of people standing around them.

This particular turtle was instrumented on 11/15/96 following hand-capture in the water at Punaluu. Our work there on that day was collaborative with the University of Hawaii at Hilo and the Hawaii Preparatory Academy in Okaunela. The TDR will record and store temperature and depth by one minute intervals. It also has a wet-dry function to tell us when the turtle was out of the water, such as when you saw it. Later in the early next year - we plan to recapture the turtle and download the stored data. There is also a small sonic tag attached that will help us locate the turtle via a hydrophone.

Can you please tell me the condition of the TDR? The unit is harmless, attached with fiberglass cloth and polyester (surfboard) resin. Did there seem to be much wear to the unit or the fiberglass? Any comments you can relay will be very welcome.

Please email me your mailing address so I can send an assortment of literature on Hawaiian sea turtles and our research program. Again, Mahalo. Sincerely, George Balazs

P.S. Here is my mailing address :

Dirk Neumann  
3480 LK Wood Blvd. Apt. A  
Arcata, CA 95521

.....  
Dirk R. Neumann  
Dept. of Biological Sciences  
Humboldt State University  
Arcata, CA 95521, U.S.A.  
Phone: (707) 822-0597  
e-mail: drn2@axe.humboldt.edu  
.....

14-15 NOV 96 #32

- |    |                        |                     |
|----|------------------------|---------------------|
| 1  | Lisha Hendrick         | Brian Tissot        |
| 2  | Julie Bock             | Leon Hallock        |
| 3  | M. Drew Harrington     | John Corey          |
| 4  | Gail Ostrander         | Walt Dudley         |
| 5  | Mealona Browning       |                     |
| 6  | Joelle K. Sarnovich    |                     |
| 7  | John W. Kephart        |                     |
| 8  | Matt Plume             |                     |
| 9  | Susan York             |                     |
| 10 | Ginny Dager            |                     |
| 11 | Kristi Johns           |                     |
| 12 | Kristie Hiatt          |                     |
| 13 | Adam Zelenka           |                     |
| 14 | <del>John Franks</del> |                     |
| 15 | Khee Thomas            |                     |
| 16 | John Franks            |                     |
| 17 | Kate Bowden            |                     |
| 18 | James Zamb             |                     |
| 19 | Emi Takei              |                     |
| 20 | Chris Nakano           |                     |
| 21 | Sarah Stelter          |                     |
| 22 | Jennifer Phillips      |                     |
| 23 | Kent Backman           |                     |
| 24 | AMY Cutler             |                     |
| 25 | ANNE CREASON (*)       | Doing an FP report. |

Punaluu #31

25-26 June 96

Michelle Calhoun

9810 103rd St. N

Stillwater, MN

HEIDIE BEARD

7805 SE Harmony Dr.

McWankie, OR 97222

Anthony Pico

197 Kunoelani St.

Hilo, HI 96720

DNA Dups spotted <sup>#31</sup> 6/26/96 for Punaluu #30 <sup>2/8-2/9/96</sup>

- ✓ R91 (R90)
- ✓ N540
- ✓ B24
- ✓ V.360
- ✓ N588 (H194)
- ✓ 5494 (K279)
- ✓ K579

7 Dups to Discard as they were collected RBC for DNA 2/8-2/9/96 PUNALUU #30

8/26/96

RBC - Genetics

PLASMA FOR BANKING

~~XXXXXX~~ N=111

- F12 ✓
- Y649 ✓
- B338 ✓
- B436 ✓
- F4 ✓
- B17 ✓
- ~~XXXXXX~~
- N365 ✓
- Q223 ✓
- Q594 ✓
- B18 ✓
- F6 ✓

Glass  
open believed  
caps  
all checked  
= no ultra  
freezes

- F12 ✓ N=16
- Y649 ✓
- B338 ✓
- B436 ✓
- F4 ✓
- B17 ✓
- ~~XXXXXX~~
- V365 ✓
- Q223 ✓
- Q594 ✓
- B18 ✓
- F6 ✓
- K279 ✓
- K579 ✓
- R90 ✓
- N540 ✓
- H194 ✓

11/14-11/15/96 (18)

DNA & PLASMA SAMPLE NUMBERS

- |                      |         |
|----------------------|---------|
| 1 Q645 (new tagging) | 12 F12  |
| 2 Q648 (" " )        | 13 N540 |
| 3 B9                 | 14 V536 |
| 4 Q651 (new tagging) | 15 Q594 |
| 5 H201               | 16 Q223 |
| 6 Q654 (new tagging) | 17 N800 |
| 7 V528               | 18 V365 |
| 8 Q256               |         |
| 9 Y646               |         |
| 10 J420              |         |
| 11 N388              |         |

PUNALOU #31 25-26 JUNE 96  
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~~Need~~

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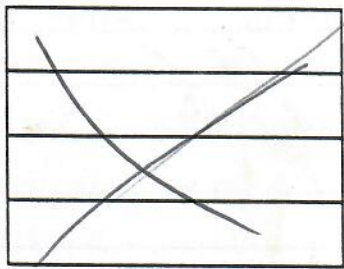
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START PUNAWU #3285

CAPTURE DATE, LOCATION AND METHOD: 11/14/96 2M ①

PUNAWU Horseshoe Hard smacked  
PERSON RECORDING DATA: DME night

OLD TAGS:



NEW TAGS: RFL

Q646

LFL

Q645

TUMOR SCORE

0

OTHER NEW TAGS:

LH Q647

STRAIGHT CARAPACE-LENGTH:

41.5

WIDTH:

33.6

NOTCH LENGTH:

41.3

DB:

L.O.

VB:

L.C.

CURVED CARAPACE LENGTH:

44.0

WIDTH:

39.0

HEAD WIDTH:

6.6

SEX: MALE, FEMALE OR UNDETERMINED

u

PPS: YES OR NO OR NE

Y

TAIL LENGTH: T

8

C

5.5

RIGHT FRONT FLIPPER WIDTH:

7.3

SAMPLES COLLECTED

PLASTRON LENGTH:

32.9

Q645 Blood for plasma/lymph and DNA.

WEIGHT:

20 #

DESCRIPTIVE REMARKS:

PCA

PPS exp

mouth check

show this wording should be entered for all J8 turtles  
Punawu 11/14-11/15

To Work Hematology study

2 day 1

CAPTURE DATE, LOCATION AND METHOD:

11/14/96

Ponahua Horseshoe Hand snorkel night  
PERSON RECORDING DATA: DME

OLD TAGS:

NA

NEW TAGS: RFL

Q649  
Q648

-LFL

TUMOR SCORE

0

OTHER NEW TAGS:

LHF Q650

STRAIGHT CARAPACE-LENGTH:

45.9

WIDTH:

37.3

NOTCH LENGTH:

45.9

DB:

L.O.

VB:

L.C.

CURVED CARAPACE LENGTH:

49.5

WIDTH:

44.0

HEAD WIDTH:

7.5

SEX: MALE, FEMALE OR UNDETERMINED

U

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T 10

C

7

RIGHT FRONT FLIPPER WIDTH:

8.5

SAMPLES COLLECTED

PLASTRON LENGTH:

37.4

Q648 blood for plasma banking. B

WEIGHT:

32 #

and DNA

DESCRIPTIVE REMARKS:

mouth check ✓ good x not PPS

CAPTURE DATE, LOCATION AND METHOD:

11/14/96

2941  
③

Punaluu Horse shoe, Handsnkel

PERSON RECORDING DATA: DNE

night

OLD TAGS: RHF B12

NEW TAGS: RFL

TUMOR SCORE

0

LHF B11

LFL

LFL B10 close to edge

OTHER NEW TAGS:

RFL B9 close to edge

STRAIGHT CARAPACE-LENGTH:

64.1

WIDTH:

52.0

NOTCH LENGTH:

63.9

DB:

L.O.

VB:

L.C

CURVED CARAPACE LENGTH:

69.5

WIDTH:

64.0

HEAD WIDTH:

9.5

SEX: MALE, FEMALE OR UNDETERMINED

U

PPS: YES OR NO OR NE

4

TAIL LENGTH: T

12.5

c

8.5

RIGHT FRONT FLIPPER WIDTH:

11.6

SAMPLES COLLECTE

PLASTRON LENGTH:

52.9

B.9. Blood for plasma banking and DNA

WEIGHT:

86 #

2 tubes plasma

DESCRIPTIVE REMARKS:

B10 + B9 close to edge

mouth check ✓

NOT FOR TDPS



(4) Day 1

CAPTURE DATE, LOCATION AND METHOD: 11-14-96

Punaluu

Horse shoe

Hand snorkel

PERSON RECORDING DATA:

DME

night

OLD TAGS:

NA

NEW TAGS: RFL

Q652

LFL

Q651

TUMOR  
SCORE
OTHER  
NEW  
TAGS:

LHF Q653

STRAIGHT CARAPACE-LENGTH:

46.3

WIDTH:

36.4

NOTCH LENGTH:

46.3

DB:

L.O.

VB:

CURVED CARAPACE LENGTH:

49.5

WIDTH:

43.0

HEAD WIDTH:

7.4

SEX:

MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

11.5

c

8.0

RIGHT FRONT FLIPPER WIDTH:

8.6

SAMPLES COLLECTED

PLASTRON LENGTH:

35.9

Q651 Blood for plasma banking  
and DNA

WEIGHT:

29 #

DESCRIPTIVE REMARKS:

Tips of both FF missing + healed  
mouth check good

DAY 1 (5)

CAPTURE DATE, LOCATION AND METHOD:

11/14/96

Punaluu Horseshoe Handsnorkel  
PERSON RECORDING DATA: DME night

OLD TAGS: LFL H202  
RFL H201  
LHP H203  
TUMOR SCORE 0

NEW TAGS: RFL  
LFL  
OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH: 51.0 WIDTH: 43.2

NOTCH LENGTH: 51.0 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 55.5 WIDTH: 51.0

HEAD WIDTH: 8.2 SEX: MALE, FEMALE OR UNDETERMINED U

PPS: YES OR NO OR NE Y

TAIL LENGTH: T 10 c 7

RIGHT FRONT FLIPPER WIDTH: 9.8 SAMPLES COLLECTED

PLASTRON LENGTH: 42.0 H201 Blood for Plasma banking  
~~to be plasma~~

WEIGHT: 46 # and DNA

DESCRIPTIVE REMARKS: mouth check

⑥ DM 1

CAPTURE DATE, LOCATION AND METHOD:

11-14-96

Punaluu Horseshoe Handsmarked night.  
PERSON RECORDING DATA: DME

OLD TAGS:

NA

NEW TAGS: RFL

Q 655

LFL

Q 654

TUMOR SCORE

0

OTHER NEW TAGS:

LHF Q656

STRAIGHT CARAPACE-LENGTH:

53.4

WIDTH:

41.6

NOTCH LENGTH:

53.1

DB:

L.O.

VB:

L.C.

CURVED CARAPACE LENGTH:

57.5

WIDTH:

50.5

HEAD WIDTH:

8.4

SEX:

MALE, FEMALE OR UNDETERMINED

U

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T 12.0

c

7.0

RIGHT FRONT FLIPPER WIDTH:

9.0

SAMPLES COLLECTED

PLASTRON LENGTH:

42.3

Biopsy of small bump in cloaca-

WEIGHT:

44 #

into 10% formalin.

DESCRIPTIVE REMARKS:

Mouth ✓

Blood for plasma banking, GSS and DNA

CAPTURE DATE, LOCATION AND METHOD:

11-14 -96 DAY 1 (4)

Punaluu Bay (BBN) Handsnorkel night  
PERSON RECORDING DATA: DME

OLD TAGS:

RFL V529  
LFL V528  
RHF Q273  
LHP V530

NEW TAGS: RFL

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH:

71.8

WIDTH:

58.5

NOTCH LENGTH:

71.5

DB:

— L.O.

VB:

— L.C

CURVED CARAPACE LENGTH:

76.5

WIDTH:

73.5

HEAD WIDTH:

10.9

SEX:

MALE, FEMALE OR UNDETERMINED

U

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

NT

c

NT

RIGHT FRONT FLIPPER WIDTH:

11.9

SAMPLES COLLECTE

PLASTRON LENGTH:

58.6

V528 Blood for plasma banking

~~2 tubes plasma~~

WEIGHT:

110 #

and DNA

DESCRIPTIVE REMARKS:

Very strong putrid breath

~~mouth check - good~~

~~Punaluu~~ Punaluu #32

① DAY 2

CAPTURE DATE, LOCATION AND METHOD:

11-15-96

Punaluu (Bay)

Hand/snorkel

PERSON RECORDING DATA:

DME

OLD TAGS:

- LFL Q 256
- RFL Q 257
- LRF Q 258
- RHF Q 259

NEW TAGS: RFL

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH:

61.9

WIDTH:

48.6

NOTCH LENGTH:

61.7

DB:

L.O.

VB:

L.C

CURVED CARAPACE LENGTH:

67.0

WIDTH:

58.5

HEAD WIDTH:

9.7

SEX:

MALE, FEMALE OR UNDETERMINED

u

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

13.

c

9.5

RIGHT FRONT FLIPPER WIDTH:

10.8

SAMPLES COLLECTED

PLASTRON LENGTH:

49.6

Q256 Blood

taken for plasma

WEIGHT:

74 #

bankings (DNA) and

DNA

DESCRIPTIVE REMARKS:

mouth check = alage - pericladia per

CAPTURE DATE, LOCATION AND METHOD: 11-15-96 <sup>DAY</sup> 2 (2)

Punaluu Bay Handsnorkel

PERSON RECORDING DATA:

OLD TAGS:

LFL	Y646
RFL	Y647
LHF	Y648
RHF	Y451

NEW TAGS: RFL

LFL

TUMOR SCORE

0
---

OTHER NEW TAGS:


Blue tag C3-9 2254

STRAIGHT CARAPACE-LENGTH: 69.0 WIDTH: 54.5

NOTCH LENGTH: 68.9 DB: — L.O. VB: — L.C

CURVED CARAPACE LENGTH: 73 WIDTH: 68

HEAD WIDTH: 10.9 SEX: MALE, FEMALE OR UNDETERMINED u

PPS: YES OR NO OR NE 4

TAIL LENGTH: T 12.5 c 9.0

RIGHT FRONT FLIPPER WIDTH: 12.3 SAMPLES COLLECTE

PLASTRON LENGTH: 54.5 (Y646) Blood for Plasma (1/4)

WEIGHT: 95# Blanking and DNA

DESCRIPTIVE REMARKS:

~~mouth check~~  
 Left + Right Jaw Hinge suspicious bumps.  
 Blue tag. R2+3 missing and healed  
 Foremargin RFF healed crease possible bite cut.

③ DAY 2

CAPTURE DATE, LOCATION AND METHOD:

11-15-96

Punaluu Bay

Hand Snorkel

PERSON RECORDING DATA:

DME

OLD TAGS:

LFL J420

NEW TAGS: RFL

TUMOR  
SCORE

RFL J421

LFL

0

RHF J422

OTHER  
NEW  
TAGS:

LHF J423

STRAIGHT CARAPACE-LENGTH:

66.3

WIDTH:

52.5

NOTCH LENGTH:

66.3

DB:

L.O.

VB:

L.C.

CURVED CARAPACE LENGTH:

73.0

WIDTH:

65.0

HEAD WIDTH:

10.4

SEX:

MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

~~52.8~~ 11.7

SAMPLES COLLECTED

PLASTRON LENGTH:

52.8

J420 Blood taken

WEIGHT:

95 #

(R) for plasma banking  
and DNA

DESCRIPTIVE REMARKS:

head mouth check, PC in mouth (Pterocladia)  
 suspicious bump left + Right jaw hinges.  
 Cut nearly completely through end of LFL.

3rd LATERAL RIGHT Turtle  
W/TDR Released 12:40 PM 11/15/96

DAY 2 (4)

CAPTURE DATE, LOCATION AND METHOD: 11-15-96

Puna Iuu Bay See P. 80 Hand snarked

PERSON RECORDING DATA:

DME

OLD TAGS:

SON 257  
RFL N 388 \*  
LFL healed notch  
RHF N 537  
LHF H 194  
TDR 96366

NEW TAGS: REL

Notes: Glass 1st layer  
2 anterior  
1 posterior  
1 medial

TUMOR SCORE

1

OTHER NEW TAGS:

sonic medial to TOR  
2nd layer 1 on each side  
+ 1 piece for lateral side

STRAIGHT CARAPACE-LENGTH:

72.4

WIDTH:

55.0

NOTCH LENGTH:

72.4

DB:

L.O.

VB:

L.C

CURVED CARAPACE LENGTH:

77

WIDTH:

71.5

HEAD WIDTH:

10.8

SEX: MALE, FEMALE OR UNDETERMINED

U

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

13.5

SAMPLES COLLECTED

PLASTRON LENGTH:

56.6

N 388 Blood Sor

Plasma banking

WEIGHT:

115 #

and DNA

DESCRIPTIVE REMARKS:

[Photos of left eye]

A lonso + John Coney close ups of eye nodule.  
PC in mantle. Suspectious bump posterior  
left eye (photo). TOR + sonic tag applied 3 lateral  
ventral scales of tail pronounced flap (fold). rights

shawn... designed for this mts. TDR 96-366  
Sonic tag 257  
TDR 96-366



Day 2

CAPTURE DATE, LOCATION AND METHOD:

11-15-96

Punaluu Bay

Hand snare

PERSON RECORDING DATA:

DME

OLD TAGS:

LFL - F12

NEW TAGS: RFL

RFL - F13

LFL

TUMOR  
SCORE

RHF - JK452

OTHER  
NEW  
TAGS:

0

LHF - F14

STRAIGHT CARAPACE-LENGTH:

69.7

WIDTH:

51.9

NOTCH LENGTH:

69.1

DB:

L.O.

VB:

L.C.

CURVED CARAPACE LENGTH:

75

WIDTH:

64.5

HEAD WIDTH:

10.6

SEX:

MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

~~12~~

C

—

RIGHT FRONT FLIPPER WIDTH:

12.6

SAMPLES COLLECTED

PLASTRON LENGTH:

53.6

F12 Blood taken

for plasma tanks

WEIGHT:

95 #

and DNA

DESCRIPTIVE REMARKS:

Mouth check - PC in mouth, Leech corner  
RJM, RJM eroded lesion

CAPTURE DATE, LOCATION AND METHOD:

Day 2 (6)

Punaluu Bay 11/15/96 Handsnorkel

PERSON RECORDING DATA: DME

OLD TAGS: RFL N540 NEW TAGS: RFL  
 UR N541 LFL  
 TUMOR SCORE RH N542 OTHER NEW TAGS:  
 0 LH K587

STRAIGHT CARAPACE-LENGTH: 70.1 WIDTH: 56.4

NOTCH LENGTH: 70.1 DB: ← L.O. VB: — L.C

CURVED CARAPACE LENGTH: 76.0 WIDTH: 72.5

HEAD WIDTH: 11.1 SEX: MALE, FEMALE OR UNDETERMINED ✓

PPS: YES OR NO OR NE 4-

TAIL LENGTH: T ~~10.0~~ c 13.0  
 Not measured Ventral Scales folded

RIGHT FRONT FLIPPER WIDTH: 13.3 SAMPLES COLLECTED

PLASTRON LENGTH: 55.0 N540 Blood taken for plasma banking

WEIGHT: 115# and DNA

DESCRIPTIVE REMARKS:  
 RJH suspicious bumps; 5 laterals on left  
 6 centrals

① Day 2

CAPTURE DATE, LOCATION AND METHOD:

11-15-96

Punaluu Bay, Handsnorkel

PERSON RECORDING DATA:

RME

OLD TAGS:

LFL V536

NEW TAGS: RFL

RFL V537

LFL

TUMOR  
SCORE

LHF V538

OTHER  
NEW  
TAGS:

0

RHF K493

STRAIGHT CARAPACE-LENGTH:

67.4

WIDTH:

52.7

NOTCH LENGTH:

66.6

DB:

L.O.

VB:

L.C.

CURVED CARAPACE LENGTH:

72.5

WIDTH:

67.5

HEAD WIDTH:

10.5

SEX:

MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

14

C

10.5

RIGHT FRONT FLIPPER WIDTH:

11.7

SAMPLES COLLECTED

PLASTRON LENGTH:

50.8

V536 Blood taken

for plasma banking

WEIGHT:

87 #

and DNA

DESCRIPTIVE REMARKS:

PC in mouth; suspicious bump <sup>lateral</sup> Left +  
Right Jaw hinge - ~~external~~

Day 2 (8)

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Bay 11/15/96 Handsorkel

PERSON RECORDING DATA:

DME

OLD TAGS:

RH Q597  
LH Q596  
RFL Q594  
LFL Q595

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

TUMOR SCORE

0

STRAIGHT CARAPACE-LENGTH:

49.4

WIDTH:

38.0

NOTCH LENGTH:

49.3

DB:

L.O.

VB:

L.C

CURVED CARAPACE LENGTH:

53.0

WIDTH:

45.0

HEAD WIDTH:

8.4

SEX: MALE, FEMALE OR UNDETERMINED

U

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

10

C

12.0

RIGHT FRONT FLIPPER WIDTH:

9.4

SAMPLES COLLECTE

PLASTRON LENGTH:

39

Q594 Blood taken for plasma banking and DNA.

WEIGHT:

40 #

DESCRIPTIVE REMARKS:

Mouth check - PC in mouth.

Day 2

CAPTURE DATE, LOCATION AND METHOD:

11-15-96

Punaluu Bay

Hand snare

PERSON RECORDING DATA:

WME

OLD TAGS:

LFL - F12  
RFL - F13  
RHF - J452  
LHF - F14

NEW TAGS: RFL

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH:

69.7

WIDTH:

51.9

NOTCH LENGTH:

69.1

DB:

L.O.

VB:

L.C

CURVED CARAPACE LENGTH:

75

WIDTH:

64.5

HEAD WIDTH:

10.6

SEX:

MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

~~12~~

C

—

RIGHT FRONT FLIPPER WIDTH:

12.6

SAMPLES COLLECTED

PLASTRON LENGTH:

53.8

F12 Blood taken for plasma banks

WEIGHT:

95 #

and DNA

DESCRIPTIVE REMARKS:

Mouth check - PC in mouth, Leech corner RSH, RSH eroded lesion

Day 2 (6)

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Bay 11/15/96 Handsnorkel

PERSON RECORDING DATA:

DME

OLD TAGS:

RFL N540
LFL N541
RH N542
LH K587

NEW TAGS: RFL

[ ]

LFL

[ ]

TUMOR SCORE

0

OTHER NEW TAGS:

[ ]  
[ ]

STRAIGHT CARAPACE-LENGTH:

70.1

WIDTH:

56.4

NOTCH LENGTH:

70.1

DB:

L.O.

VB:

L.C.

CURVED CARAPACE LENGTH:

76.0

WIDTH:

72.5

HEAD WIDTH:

11.1

SEX: MALE, FEMALE OR UNDETERMINED

[ ]

PPS: YES OR NO OR NE

4-

TAIL LENGTH:

T 10.0

C

13.0

not exaginated  
ventral scales folded

RIGHT FRONT FLIPPER WIDTH:

13.3

SAMPLES COLLECTE

PLASTRON LENGTH:

55.0

N540

Blood taken

WEIGHT:

115 #

for plasma banking  
and DNA

DESCRIPTIVE REMARKS:

RJH suspicious bumps; 5 laterals on left.  
6 central

① Day 2

CAPTURE DATE, LOCATION AND METHOD:

11-15-96

Punaluu Bay, Handsnorkel

PERSON RECORDING DATA:

RME

OLD TAGS:

LFL V536

NEW TAGS: RFL

TUMOR  
SCORE

RFL V537

LFL

0

LHF V538

OTHER  
NEW  
TAGS:

RHF K493

STRAIGHT CARAPACE-LENGTH:

67.4

WIDTH:

52.7

NOTCH LENGTH:

66.6

DB:

L.O.

VB:

L.C

CURVED CARAPACE LENGTH:

72.5

WIDTH:

67.5

HEAD WIDTH:

10.5

SEX: MALE, FEMALE OR  
UNDETERMINED

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

14

C

10.5

RIGHT FRONT FLIPPER WIDTH:

11.7

SAMPLES COLLECTED

PLASTRON LENGTH:

50.8

V536 Blood taken

for plasma banking

WEIGHT:

87 #

and DNA

DESCRIPTIVE REMARKS:

PC in mouth; suspicious bump <sup>lateral</sup> Left +  
Right Jaw hinge - ~~extended~~

Day 2  
⑧

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Bay 11/15/96 Handsnorkel

PERSON RECORDING DATA: DME

OLD TAGS: RH Q597  
LH Q596  
RFL Q594  
LFL Q595  
TUMOR SCORE  
0

NEW TAGS: RFL  
LFL  
OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH: 49.4 WIDTH: 38.0

NOTCH LENGTH: 49.3 DB: L.O. VB: L.C

CURVED CARAPACE LENGTH: 53.0 WIDTH: 45.0

HEAD WIDTH: 8.4 SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE 4

TAIL LENGTH: T 10 c 10.0

RIGHT FRONT FLIPPER WIDTH: 9.4 SAMPLES COLLECTED

PLASTRON LENGTH: 39 Q594 Blood taken for plasma banking

WEIGHT: 40 # and DNA.

DESCRIPTIVE REMARKS: Mouth check - PC in mouth.



Q 516

CAPTURE DATE, LOCATION AND METHOD:

11-15-96

Pana lun Bay Hand snaker  
PERSON RECORDING DATA: DME

OLD TAGS: RFL Q224 NEW TAGS: RFL  
 TUMOR SCORE LFL Q223 LFL  
 LH Q225 OTHER NEW TAGS:  
 RH Q251

STRAIGHT CARAPACE-LENGTH: 54.2 WIDTH: 42.1

NOTCH LENGTH: 54.0 DB: L.O. VB: L.C.

CURVED CARAPACE LENGTH: 58.0 WIDTH: 51.5

HEAD WIDTH: 8.7 SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE  Y  N  NE

TAIL LENGTH: T 10.5 C 7.0

RIGHT FRONT FLIPPER WIDTH: ~~10.5~~ 10.5 SAMPLES COLLECTED: ~~10.5~~

PLASTRON LENGTH: 43.3 Q223 Blood taken for plasma banking

WEIGHT: 51 #

DESCRIPTIVE REMARKS: HIND FLIPPERS AND DNA

PC in water, suspicious bump  
L5H+ R5H. ~~PC~~ R5H, dicer

for comparison direct 54.2 with scl Florida green

CAPTURE DATE, LOCATION AND METHOD:

11-15-96

Pana lun Bay Hand/snaker  
PERSON RECORDING DATA: DME

OLD TAGS: LFL N800 NEW TAGS: RFL  
 TUMOR SCORE RFL N826 LFL  
 LH N827 OTHER NEW TAGS:  
 RH B18

STRAIGHT CARAPACE-LENGTH: 74.5 WIDTH: 59.6

NOTCH LENGTH: 74.3 DB: L.O. VB: L.C.

CURVED CARAPACE LENGTH: 79 WIDTH: 74

HEAD WIDTH: 11.4 SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE  N  Y  NE

TAIL LENGTH: T   C

RIGHT FRONT FLIPPER WIDTH: 13.9 SAMPLES COLLECTED: 13.9

PLASTRON LENGTH: 58.3 N800 Blood taken for plasma banking

WEIGHT: 125 #

DESCRIPTIVE REMARKS: R5H suspicious bumps

54 10

CAPTURE DATE, LOCATION AND METHOD:

PERSON RECORDING DATA: Rumulus bag Handsnork

OLD TAGS:

TUNOR SCORE	LFL V365
	RFL V366
	LH V368
	RH V367

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH:

69.9

WIDTH:

54.3

NOTCH LENGTH:

69.6

DB:

- L.O.

VB:

- L.C

CURVED CARAPACE LENGTH:

75.5

WIDTH:

69.5

HEAD WIDTH:

10.7

SEX: MALE, FEMALE OR UNDETERMINED

U

PPS: YES OR NO OR NE

Y

TAIL LENGTH: T

16

C

11.5

RIGHT FRONT FLIPPER WIDTH:

12.3

SAMPLES COLLECTED

PLASTRON LENGTH:

54.9

WEIGHT:

100#

DESCRIPTIVE REMARKS:

PC in mouth, vomped 30' and stink breath.

V365 blood taken for plasmatology and DNA

CAPTURE DATE, LOCATION AND METHOD:

PERSON RECORDING DATA:

OLD TAGS:

TUNOR SCORE	

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH:

WIDTH:

NOTCH LENGTH:

DB:

L.O.

VB:

L.C

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:

CAPTURE DATE, LOCATION AND METHOD:

PERSON RECORDING DATA:

OLD TAGS:


NEW TAGS: RFL

LFL

OTHER NEW TAGS:


TUMOR SCORE

--

STRAIGHT CARAPACE-LENGTH:

--

WIDTH:

--

NOTCH LENGTH:

--

DB:

--

L.O.

VB:

--

L.C

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:


CAPTURE DATE, LOCATION AND METHOD:

PERSON RECORDING DATA:

OLD TAGS:


NEW TAGS: RFL

LFL

OTHER NEW TAGS:


TUMOR SCORE

--

STRAIGHT CARAPACE-LENGTH:

--

WIDTH:

--

NOTCH LENGTH:

--

DB:

--

L.O.

VB:

--

L.C

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:


LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	Total	Remarks
RT. EYE						
LT. EYE						
MOUTH						
NECK						
RFF						
LFF						
RHF						
LHF						
CLOACA/TAIL						
SEAMS/SCUTES						
INTERNAL						
Total						

OTHER INFORMATION:

TUMOR SCORE:

Tag Number	Date Tagged	Tag Type	Tag Pos.
B346	04/21/95	I681	LHF
N546	11/28/90	I681	RHF
Y193	04/10/89	I681	RFL
Y194	04/10/89	I681	L1
Z257	11/28/90	R	L34

Historical information--

Date	Type of Encounter	Location
04/10/89	Near Shore	Hawai'i, Punaluu Bay
11/28/90	Near Shore	Hawai'i, Punaluu Bay
11/13/91	Near Shore	Hawai'i, Punaluu Bay
04/21/95	Near Shore	Hawai'i, Punaluu Bay

11/28/95 "PUNALUU #29" ID  
 11/196 = ST-10 24179  
~~SAT~~ SAT.TRANS.

= Signal received - Still in K Bay, oahu. No evidence that it ever left there after release.

Tumor Score	Nesting Activity	Straight Length	Since Last Encounter		Overall					
			Interval Month	Year	Interval Month	Year				
0	-	50.0 Barb on plaster, all removed. 1993 engraved on 2nd lateral left with dorsal. Tan paint #8.	19	1.6	0.4	5.2	19	1.6	0.4	5.2
0	-	NO COMMENTS	11	0.9	0.2	3.0	31	2.6	0.4	4.2
0	-	back has grooves 61.0 from rubbing on rocks	41	3.4	0.1	0.8	72	6.0	0.2	2.3
0	-	PRS. MILD Emaciation.								

Released into Kureke Bay, oahu

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Weight	Since Last Encounter		Overall	
						Interval Month	Year	Interval Month	Year
						Growth-rates kg/mon		Growth-rates kg/yr	
04/10/89	Near Shore	Hawaii, Punaluu Bay	0	-	41.0	---	---	---	---
11/28/90	Near Shore	Hawaii, Punaluu Bay	0	-	---	19	1.6	19	1.6
11/13/91	Near Shore	Hawaii, Punaluu Bay	0	-	66.0	11	0.9	31	2.6
04/21/95	Near Shore	Hawaii, Punaluu Bay	0	-	70.0	41	3.4	72	6.0

[35] From: Brenda Becker 12/2/96 9:09AM (1373 bytes: 1 ln)  
 To: George Balazs, Shawn Murakawa, Denise Ellis  
 Subject: instrumented turtle sighting on Big Island

## ----- Message Contents -----

I just received a call this morning from Dirk Neumann, a grad student at Humboldt State who was vacationing on the Big Island this weekend. Yesterday (12/1) he saw a sea turtle high on the beach at Black Sand Beach. The turtle had a "cigarette pack" sized cream-colored instrument attached to its shell. The turtle was being surrounded and petted by tourists who were having their photos taken by the turtle. The turtle wasn't obviously reacting or disturbed by this activity. This occurred at 5pm. The caller took pictures & was interested in finding out more about this individual. He leaves Hawaii today, but can be reached via email : [drn2@axe.humboldt.edu](mailto:drn2@axe.humboldt.edu)

I thought it was interesting that the turtle wasn't disturbed by people, as my experience with green sea turtles is that they are very intolerant of people coming up to them. Dirk was also concerned that the turtle picked a very busy beach to haul out on!

Brenda:)

N388, N537, H194  
 TDR 96366  
 SON 257

1040  
 P. M. J. M.  
 B.

----- Message Contents -----

Shawn- please use this ccmall as you hardcopy version for ttps entry of the Punaluu, Kau, Big Island turtle that was brought by me (captured ashore by boat ramp basking) to KRF, then treated by Dr. Morris (some tumors removed-- you have on this info previously I think).

On 1/19/96 an ST-10 Telonics satellite transmitter was attached to the carapace. Telonics system number is 179459B. Duty cycle is 2 hours on/ 4 hours off. ID code of transmitter is 24179.

In addition to the above, the ttps entry should indicate a new tag addition to be (as we discussed and agreed would be reasonable) SAT24179.

Turtle was released at Kaneohe Beach Park (or is it called Kaneohe Bay Beach Park?) at 230pm on 1/19/96. Tags already attached are LFL Y193, RFL Y194, LHF B346, and RHF N546, and L3-4 Z257.

I took the straight carapace length at time of release= 63.9cm enter that also, but also let me know what the most recent measure for SCL was. Did I miss anything? Mahalo, geo.

Another Punaluu turtle call

----- Message Contents -----

Talked with John Cupery... (who reported sick turtle at Punaluu Beach park with DOCARE 1/18/96, 7 pm). Wife and daughters saw the turtle. Turtle had no obvious injuries, no entanglements, was just sitting there and smelling bad and not moving very much, seen about 6 pm that night. No tags observed, no tumors seen. I relayed the information that there were a couple of turtles that like to come up on the beach to rest and that you had been down there to examine them and they were healthy. They were satisfied and glad that was the case. Address is:

*Aunt*  
John Cupery  
P.O. Box 6431  
Oceanview, HI 96737  
Ph: (808) 939-9262



DEPARTMENT OF DEFENSE  
ARMED FORCES INSTITUTE OF PATHOLOGY  
WASHINGTON, DC 20306-6000



REPLY TO  
ATTENTION OF

15 December 1995

2519792-2 00  
ANIMAL, REPTILIAN TURTLE  
Y123 T  
TPL/FYS/DAB/mab

Dr. George H. Balazs  
NMFS/SFSC  
Honolulu Laboratory  
2570 Dole Street  
Honolulu, HI 96822-2396

AFIP DIAGNOSES:

- <sup>Y193</sup>~~Y123~~ 1. Eyes (per contributor): Fibropapillomas, two, with multifocal mild to moderate lymphohistiocytic inflammation, focal epithelial ballooning degeneration and eosinophilic intranuclear inclusions, green sea turtle (*Chelonia mydas*), reptile.
- 2. Skin, neck (per contributor): Fibropapilloma, with multifocal, mild granulomatous inflammation.
- 3. Eye, right (per contributor), core of fibropapilloma : Granuloma, with trematode egg.

COMMENT: Histologic findings are consistent with fibropapillomas of green sea turtles. Within the epithelium of the ocular fibropapillomas, there is epithelial ballooning degeneration and eosinophilic intranuclear inclusions suggestive of alphaherpesviral infection. Electron microscopy will be conducted, and an addendum report will be issued when the study is completed. Within the cores of the neck and right eye fibropapillomas are foci of granulomatous inflammation, one of which contains a trematode egg, likely of the cardiovascular parasite, *Learedius learedi*. There is a discrepancy between your animal identification numbers on the consultation request and the history provided by electronic mail, Y193 A, B, C versus ~~Y123 A, B, C~~ respectively.

Thank you for submitting this very interesting case to the Registry of Veterinary Pathology.

*TPL Lipscomb*  
for F. Yvonne Schulman, DVM, DACVP  
Division of Veterinary Pathology

*TPL Lipscomb*  
Thomas P. Lipscomb, DVM, DACVP,  
LTC, VC, USA  
Chief, Division of Veterinary  
Pathology

*Y193*  
*correct*

*not "Y123"*





IN REPLY REFER TO:

## United States Department of the Interior

### NATIONAL PARK SERVICE

Hawaii Volcanoes National Park

P.O. Box 52

Hawaii 96718-0052

Date: Jan. 10, 1996

Fax to: George Balazs

Fax #: 808/943-1290

From: Larry Katahira

Fax #: 808/985-8614

Subject: Punaluu Nest

No. pages following: 0

Happy New Year George!

The initial emergence of the nest at Punaluu yielded forty-one hatchlings. This was observed by our personnel on December 16, however, due to the furlough we could not monitor subsequent emergences. On December 22, Charlotte excavated the nest. The results are as follows: 107 eggs hatched and 40 eggs were infertile or partially developed; the total clutch size was 147; 19 hatchlings were alive and released (many of these stranded hatchlings were tangled by coconut roots).

As anticipated, the incubation period of 75 days was longer than average due to the saturated sand. This is a similar situation to the 1989 nest. By the way, some local folks at Punaluu observed another nest several months ago close to where you conduct the MOP tagging program. The information was vague as to exact dates, however they mentioned that the nest was on the shoulder of the sand road and that the nest could have been impacted by vehicles or road maintenance equipment.

Thanks for the tumor literature and good to hear about the location of the two hawksbills.

1995

Yes + Family



Mr. & Mrs. A. L. Howard  
P.O. Box 4  
Pahala, HI 96777 PM

To say "Hello"  
And tell you, too,  
How nice it was  
To hear from you!

Happy New Year!

Sincerely,  
The Howard's  
Arnold & Janette

Aloha! Turtle eggs hatched on Dec. 16<sup>th</sup> or 17<sup>th</sup> a.m. according to Larry and Charlotte. Much to my disappointment I had to be away that day when (41) babies came out on their own. On the 22nd, Larry had to be elsewhere. Told Charlotte to get in touch with me which she did to see if there were others that needed help in the nest. Charlotte climbed the fence and dug in and helped (19) of them out alive, while I watched and kept count on the outside. There were quite a few unfertile eggs which I did not get a count of. and I forgot to ask Charlotte. There were many more people watching too with their oh's, ah's and so thrilled to see the little babies. 1st time and going straight to the ocean. There was one last one I had to take it to the water as it could not crawl well. The right front flipper kept folding under its body and make it flip over on

its back. The coconut roots really grew over the nest within the 2 mos + some days. That may have caused the (19) not able to get out on their own.

Honolulu Hawaii Field Office  
Week Ending October 18, 1996

TURTLES: SA Friel checked the area around Punalu'u Beach. This particular area has been a site of numerous poaching activities at night and during the day is a popular tourist attraction due to the many turtles coming up on shore to rest. In the past, the NMFS Office of Enforcement has worked with the Hawaii Visitors Bureau to educate the tour companies and visitors alike. It seems that the problem of harassment is a reoccurring problem and that perhaps a year around education/compliance program/presence is needed for this area. It appears at this time that the local residents of the area are keenly aware of the ESA, but that tourist often disregard the turtle signs posted and wish to get near the animals.

F A X  
.....

Reduce  
ferret  
TDS

Department of the Interior  
National Park Service

Hawaii Volcanoes National Park/  
Resources Management Division

Mail: P.O. Box 52, Hawaii National Park, HI 96718-0052  
Location: Hawaii Volcanoes National Park, Building 322  
Voice: (808) 967-8225 Fax: (808) 985-8614

Date 16 Oct 95

To: George Balazs

Fax #: 808/943-1290

From: Harry Katahira

# Pages: 1

Subject: Dead green at Punaluu "large"

On 14 Oct, Pancho Freitas found a dead green sea turtle located a couple hundred yards south of Punaluu pavilion. The Kauai police + DOCARE were notified. According to Brian Sanyama of DOCARE, the police did not suspect foul play since no obvious external injuries were present. Jill Hippert checked on it yesterday + found the same but noted that the mouth was wide open w/ fluid dripping out of the sides of the mouth. The police had removed the front flipper tags. The right rear tag # is Y197. By the way, the last nest at Kamehame was on Sept 27. Thanks for the latest satellite info.

Harry

TOTAL P.01

9/27/95

Hatch date =

[54] From: Shawn Murakawa 11/20/95 9:59AM (1742 bytes: 26 ln)  
To: George Balazs  
Subject: Re: reset alarm on ultra

----- Forwarded with Changes -----  
From: George Balazs 11/20/95 9:27AM (852 bytes: 15 ln)  
To: Shawn Murakawa  
Subject: Re: reset alarm on ultra

----- Message Contents -----  
Denise- If you haven't done so already, please do. Also, check other freezer to make sure all is ok.

Shawn= any ssg over the long weekend?

No, no messages from SSG this weekend.

P.S. Just got a call from Janice at DAR-Hilo. She said that they received a call from Karen Bender, 966-4484. Karen reported that she saw a Hawksbill laying eggs near the Punaluu boat ramp on 11/16 around 6:30 pm.

Shawn- I need to run out for a short time. This is important-- call from a Karen Bender. Please call her back right now and interview her. thanks, geo. I'll call her also later in the day.

Just spoke with her. This number is her work number. Best time to call is around 3:00. She actually saw the turtle crawling up on shore around 6:30 AM. She said that she thinks it's a Hawksbill is because of its head and its coloring. She said it was about 1 yard long (head to tail). She couldn't tell if there were any tags, tumors, or injuries. Before they left, around 8:30, the turtle was moving around a little in the same area. She didn't really see it digging. I guess she assumed it was coming up to nest. Her mailing address is HCRI, Box 5407, Keaau, HI 96749.

*Need to Call*

Historical information for turtle Y195

National Marine Fisheries Service  
2570 Dole Street  
Honolulu Hawaii 96822-22396

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
Y195	04/11/89	1681	RFL
Y196	04/11/89	1681	LFL
Y197	04/11/89	1681	RHF
Z259	11/28/90	R	R34

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter				Overall			
						Interval Month	Year	Growth-rates cm/mon	cm/yr	Interval Month	Year	Growth-rates cm/mon	cm/yr
04/11/89	Near Shore	Hawaii, Punaluu Bay	0	-	64.7	---	---	---	---	---	---	---	---
11/28/90	Near Shore	Hawaii, Punaluu Bay	0	-	70.0	19	1.6	0.3	3.3	19	1.6	0.3	3.3
04/14/92	Near Shore	Hawaii, Punaluu Bay, Pavillion area	0	-	72.1	16	1.3	0.1	1.6	36	3.0	0.2	2.5

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	Total	Remarks
RT. EYE	3	1				
LT. EYE	3	1				
MOUTH		2				L & R jaw hinge
NECK						
RFF	1					
LFF	2	2				
RHF						
LHF						
CLOACA/TAIL						
SEAMS/SCUTES						
INTERNAL						
Total						

OTHER INFORMATION:

2-8-96  
 7623  
 Poxvirus  
 See page 32

Approximate Tumor Size Categories:

- #1 = detectable patch to 1cm diameter.
- #2 = >1cm to 4cm.
- #3 = >4cm to 10cm.
- #4 = >10cm.

TUMOR SCORE:

2

Date: Tue, 12 Nov 1996 22:57:28 -1000 (HST)  
 From: "Laura J. Sasaki" <tortuga@aloha.net>  
 To: "George H. Balazs" <gbalazs@honolab.nmfs.hawaii.edu>, Roz Rapozo <infinity@lava.net>, John Lindelow <cybernet@aloha.net>, Bev Helmer <bcreatif@lava.net>  
 Subject: Punalu'u Monument Greenery

Am passing on this e-mail that was sent to me on 11/11 by Nancy Hunter <nhunter@ilhawaii.net>. Sounds like her planting work at the Punalu'u monument was a success! We'll have to go see it! (We'll still have to work on polishing the plate.) Laura. (The brackets are my additions.)

Director] George Yoshida's office gave me Greg [County Park & Rec Dept. and he was just great. The only Bronco's number [at the County nursery?], and he recommended by a botanist], one he had of those on your list [of plants recommended by a botanist], though, was naupaka, so delivered six of them along with wood chips to the monument. My students and a few parents had a wonderful time digging and planting and looking at the turtles after having studied them in class, etc. I took a few pictures and can write up an article with their quotes if you can use it in your newsletter or somewhere. Thanks for all your work, and contact me again soon. Nancy

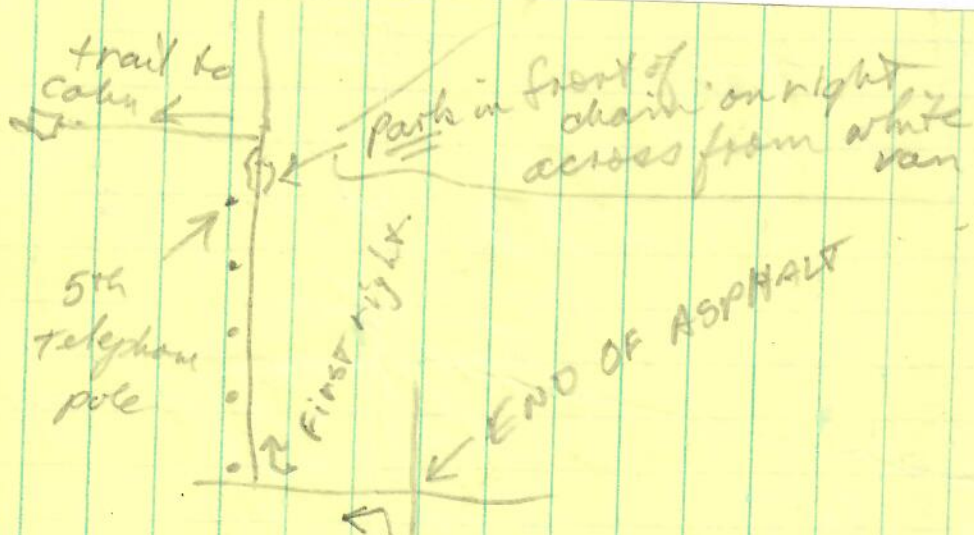
AND NUMBER OF TUMORS

#	Total	Remarks

eter. #2 = >1cm to 4cm.  
 #4 = >10cm.

TUMOR SCORE:

# Bill Gilmartin's Volcano home



ALI KANE

7724

723

||

8950393

1600

HILD



**GEORGE H. BALAZS**

ZOOLOGIST AND LEADER,  
MARINE TURTLE RESEARCH  
DEPUTY CHAIRMAN, IUCN MARINE TURTLE SPECIALIST GROUP

NATIONAL MARINE FISHERIES SERVICE  
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