

PUNAKO WAIKOLOA
BALAZS

8-9-09 KEAWANUI (1/2)
COMPOSITION BOOK
9-10-09 PUNAKO N=21
11-5-09 WAIKOLOA
100 Sheets, 200 Pages
9.75 inch x 7.50 inch
1/2 inch Ruled
OKINAWA STUDENTS



GEORGE H. BALAZS
BIOLOGIST AND LEADER
MARINE TURTLE RESEARCH



PACIFIC ISLANDS FISHERIES SCIENCE CENTER
NOAA, NATIONAL MARINE FISHERIES SERVICE
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8/9/09

✓ Kimi Cantyne
✓ Caylin Kojima
✓ Maiah Police
✓ Bo Bleckel..

Okinawa Churaumi Aquarium

Hideshi Teruya

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power
for
Japanese

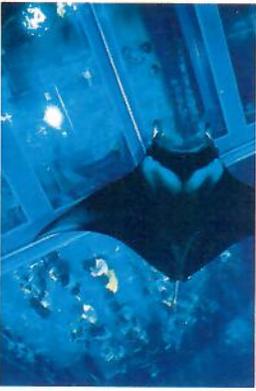
AGUNI Yuichiro

Staff Writer

OKINAWA TIMES

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over



(財) 海洋博覧会記念公園管理財団
海洋博公園管理センター

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粟 国 雄 一 郎

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E-mail: gumi@okinawatimes.co.jp

25 weeks
Tanaka

Sano

2

P5/p18

Date: Tue, 04 Aug 2009 00:20:40 +0900
From: takashi ishihara <ishihara@umigame.org>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Cc: Marc Rice- HPA <mrice@hpa.edu>
Subject: Re: Coming to Hawaii soon

Hi George,

I should send the information before your request, so sorry.

- Momoka KINA 13yrs. F
- Miho SUNAGAWA 12yrs. F
- Atsuki MAEMITSUMORI 14yrs. M
- Yoshiji KAMESHIMA 13yrs. M
- Sadahiro CHINA 39yrs. M (Okinawa times, person in charge)
- Hideshi TERUYA 54yrs. M (Okinawa Churaumi Aquarium, co-organizer)
- Yuishiro AGUNI 36yrs. M (Okinawa times, reporter)
- Masanori SUGIYAMA 45yrs. M (Okinawa times, video-man)
- #### KANESHIRO ##yrs. F (Tour conductor)
- Takashi ISHIHARA 28yrs. M (Sea Turtle Association of Japan, research)
- ### ### ### # (Translator)

OKINAWA CHURAUMI AQUARIUM
424 ISHIKAWA, MOTOBU-CITY
KUNIGAME-GUN
OKINAWA, JAPAN 905-0206

OKINAWA
STUDENTS

August 9, 2009

NAME

- ① 砂川 美穂 Miho Sunagawa
- ② 前三盛 敦貴 Atsuki Maemitsumori
- ③ 亀島 淑志 Yoshiji Kameshima
- ④ 喜納 ももこ Momoko Kina

- ① 沖縄県石垣市字大浜574-5
- ② 沖縄県石垣市字登野 成761
- ③ 沖縄県読谷村字渡具知436-1
- ④ 沖縄県北中城村字美崎 38-1

74



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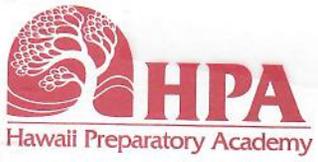
Hilo: 808.961.6666
 Kona: 808.329.2555
 Toll-Free: 800.442.5557
 Fax: 808.969.6661

73-4210 Hulikoa Drive | 737 Kanoelehua Avenue
 Kailua-Kona, Hawaii 96740 | Hilo, Hawaii 96720

Web: www.jackshawaii.com
 Email: info@jackstours.com

9-10-09 ~~PAHO~~ N=21
 20 PBR Right-of-way

11-5-09 WAHOLA
 Thursday
 Cari Eggleston, Stacy Hargrave,
 Shanelle Blunson



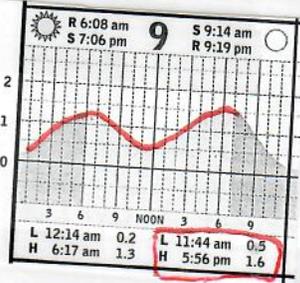
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MAZIO AH PO-CTEP
KAWAIAWA
PARTICIPATING

Revised 08/21/07

NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, HI 96822-2396



①

Sunday

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/9/09

CAPTURE DATE, LOCATION AND METHOD:

Scoop net ~~at the beach~~
 PERSON RECORDING DATA: Keswanui

TUMOR SCORE

0

LH

OLD TAGS:

4455112435

NEW TAGS:

ORAL TMRS EXT:

YES OR NO

-

RH

445215237B

RHF

LHF

W120

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH:

46.1 cm

WIDTH:

36.4 cm

NOTCH LENGTH:

45.8 cm

DB:

0

L.O.

VB:

0

L.O.

CURVED CARAPACE LENGTH:

49.0 cm

WIDTH:

43.5 cm

HEAD WIDTH:

7.3 cm

LATERAL1:

18.2 cm

LATERAL2:

15.8 cm

PPS: YES OR NO OR NE

-

LATERAL3:

13.0 cm

SEX: Male, Female or Undetermined

0

TAIL LENGTH: T

9 cm

C

6 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

- cm

PLASTRON LENGTH:

38.2 cm

WEIGHT:

29.5 #

DESCRIPTIVE REMARKS:
Algae in Mouth

HW-7.3 C 2. 31.0-2004
~~born at~~ Release July 4, 04
 8-2-02 hatched sea life park

22

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2

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/9/09

CAPTURE DATE, LOCATION AND METHOD:

| | |
|----------------------------------|-----------|
| Handwritten scoop net | Keawana'i |
| PERSON RECORDING DATA: | |

TUMOR SCORE

RFL

OLD TAGS:

K757

NEW TAGS:

RHF

LHF

ORAL TMRS EXT:
YES OR NO

RH

K759

LH

411C656741

EMACIATION CODE

RFL

K756

MT#

K758

RH-460 2056611

STRAIGHT CARAPACE - LENGTH:

56.7 cm

WIDTH:

44.3 cm

NOTCH LENGTH:

56.4 cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

59.5 cm

WIDTH:

53.0 cm

HEAD WIDTH:

cm

LATERAL1:

21.3 cm

LATERAL2:

19.1 cm

PPS: YES OR NO OR NE

Yes

LATERAL3:

16.4 cm

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

cm

C

cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

47.0 cm

WEIGHT:

53.0 kg

DESCRIPTIVE REMARKS:

3

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/8/09

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|------------------------|-----------|-----------|
| Mauna Lani | scoop net | Kesawanui |
| PERSON RECORDING DATA: | | |

| | | |
|---|-----------|--|
| TUMOR SCORE <input type="radio"/> | OLD TAGS: | NEW TAGS: |
| ORAL TMRS EXT: YES OR NO <input type="checkbox"/> | |  4851066204 |
| EMACIATION CODE <input type="text" value="3"/> | | ONLY |
| MT# | | |

STRAIGHT CARAPACE - LENGTH: cm WIDTH: cm

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

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: cm LATERAL1: cm LATERAL2: cm

PPS: YES OR NO OR NE LATERAL3: cm SEX: Male, Female or Undetermined

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

24

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44

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/9/09

CAPTURE DATE, LOCATION AND METHOD:

Makani scoop net Keswani
PERSON RECORDING DATA: Maiah

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

Empty boxes for old tags

RHF

48513B283B

LHF

48520D0653

MT#

STRAIGHT CARAPACE - LENGTH:

44.0 cm

WIDTH:

34.7 cm

NOTCH LENGTH:

43.5 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

47.0 cm

WIDTH:

40.5 cm

HEAD WIDTH:

— cm

LATERAL1:

15.9 cm

LATERAL2:

14.2 cm

PPS: YES OR NO OR NE

—

LATERAL3:

11.3 cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

9.0 cm

C

5.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

35.1 cm

WEIGHT:

23.5 #

DESCRIPTIVE REMARKS:

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5

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/9/09

CAPTURE DATE, LOCATION AND METHOD:

Kewanui

M. b. b. b. b.
Scoop Net
PERSON RECORDING DATA: Maiah

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

44526B1048

445521333D

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

43.0 cm

WIDTH:

35.4 cm

NOTCH LENGTH:

42.5 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

46.0 cm

WIDTH:

41.0 cm

HEAD WIDTH:

cm

LATERAL1:

16.6 cm

LATERAL2:

14.8 cm

PPS: YES OR NO OR NE

NO

LATERAL3:

12.2 cm

SEX: Male, Female
or Undetermined

J

TAIL LENGTH: T

— cm

C

— cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

35.5 cm

WEIGHT:

25.5 #

DESCRIPTIVE REMARKS:

Red filaments
Algae in mouth

26

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6

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/9/09

CAPTURE DATE, LOCATION AND METHOD:

~~Maia~~ scoop net Kesawanui
PERSON RECORDING DATA: Maia

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

[Empty boxes for old tags]

NEW TAGS:

RHF 

4A42463F21

LHF 

4851764F62

MT#

STRAIGHT CARAPACE - LENGTH:

53.5 cm

WIDTH:

41.3 cm

NOTCH LENGTH:

53.2 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

57.0 cm

WIDTH:

50.5 cm

HEAD WIDTH:

— cm

LATERAL1:

20.0 cm

LATERAL2:

17.4 cm

PPS: YES OR NO OR NE

—

LATERAL3:

14.2 cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

— cm

WEIGHT:

48.5 #

DESCRIPTIVE REMARKS:

Red algae in mouth

7

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/9/09

CAPTURE DATE, LOCATION AND METHOD:

Keawano'o
 PERSON RECORDING DATA: *Maiah* *Scoop net*

| | | |
|---|-------------------------|------------------|
| TUMOR SCORE <input type="checkbox"/> 0 | OLD TAGS: 41362C4C3F | NEW TAGS: RHF |
| ORAL TMRS EXT: YES OR NO <input type="checkbox"/> — | 45254F4A7A | LHF |
| EMACIATION CODE <input type="checkbox"/> 0 | 4139 | |
| MT# | 4140 | |
| | 41503D1B4C | |

STRAIGHT CARAPACE - LENGTH: 57.1 cm WIDTH: 44.6 cm

NOTCH LENGTH: 57.0 cm DB: 0 L.O. VB: 0 L.O.

CURVED CARAPACE LENGTH: 61.0 cm WIDTH: 53.0 cm

HEAD WIDTH: — cm LATERAL1: 20.3 cm LATERAL2: 18.6 cm

PPS: YES OR NO OR NE — LATERAL3: 16.2 cm SEX: Male, Female or Undetermined U

TAIL LENGTH: T — cm C — cm

RIGHT FRONT FLIPPER WIDTH: — cm SAMPLES COLLECTED:

PLASTRON LENGTH: — cm

WEIGHT: 53.0 #

DESCRIPTIVE REMARKS:

28

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8

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/9/09

CAPTURE DATE, LOCATION AND METHOD:

| | |
|-------------------------------------|------------------|
| Maui <i>Maui</i> | <i>Keawarui</i> |
| PERSON RECORDING DATA: <i>Maiah</i> | <i>Scoop Net</i> |

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

1

EMACIATION CODE

2

OLD TAGS:

413571727B
413533173E

NEW TAGS:

| | |
|-----|--|
| RHF | |
| LHF | |
| | |
| | |

MT#

STRAIGHT CARAPACE - LENGTH:

59.5 cm

WIDTH:

48.5 cm

NOTCH LENGTH:

59.4 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

64.0 cm

WIDTH:

59.0 cm

HEAD WIDTH:

— cm

LATERAL1:

18.1 cm

LATERAL2:

17.3 cm

PPS: YES OR NO OR NE

—

LATERAL3:

15.2 cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

56.0 #

DESCRIPTIVE REMARKS:

(9)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/9/09

CAPTURE DATE, LOCATION AND METHOD:

Kesawanui

| | |
|------------------------------|-----------|
| Makani | Scoop Net |
| PERSON RECORDING DATA: Maiah | |

| | | |
|---|-----------|------------------|
| TUMOR SCORE <input type="checkbox"/> 0 | OLD TAGS: | NEW TAGS: |
| ORAL TMRS EXT: YES OR NO <input type="checkbox"/> — | | RHF: 4A446F6408 |
| EMACIATION CODE <input type="checkbox"/> 0 | | LHF: 4A3F566328 |
| MT# | | |

STRAIGHT CARAPACE - LENGTH: cm WIDTH: cm

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

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: cm LATERAL1: cm LATERAL2: cm

PPS: YES OR NO OR NE LATERAL3: cm SEX: Male, Female or Undetermined

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:
Algae in mouth

10

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/9/09

CAPTURE DATE, LOCATION AND METHOD:

| | |
|------------------------------|---------------------------|
| Maui | Keaukū |
| PERSON RECORDING DATA: Maiah | Maui Scoop Net |

| | | | |
|---|-----------|-----|------------|
| TUMOR SCORE <input type="radio"/> | OLD TAGS: | RHF | 4A38596755 |
| ORAL TMRS EXT: YES OR NO <input type="checkbox"/> | | LHF | 4A794C006B |
| EMACIATION CODE <input type="radio"/> | MT# | | |

STRAIGHT CARAPACE - LENGTH: 44.9 cm WIDTH: 35.2 cm

NOTCH LENGTH: 44.7 cm DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 48.0 cm WIDTH: 41.0 cm

HEAD WIDTH: cm LATERAL1: 17.1 cm LATERAL2: 14.5 cm

PPS: YES OR NO OR NE LATERAL3: 11.8 cm SEX: Male, Female or Undetermined

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: 25.5 #

DESCRIPTIVE REMARKS:

Red algae in mouth

37

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41

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | |
|------------------------------------|---------|
| Maui | Kauai |
| PERSON RECORDING DATA: <u>Maui</u> | Basking |

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

| |
|------------|
| 457CSAGAK |
| 4524500346 |
| |
| |

MT#

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

cm

WIDTH:

cm

NOTCH LENGTH:

cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

cm

WIDTH:

cm

HEAD WIDTH:

cm

LATERAL1:

cm

LATERAL2:

cm

PPS: YES OR NO OR NE

LATERAL3:

cm

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

cm

C

cm

RIGHT FRONT FLIPPER WIDTH:

cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

cm

WEIGHT:

#

DESCRIPTIVE REMARKS:

Plastron Flat

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END
N= (12)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

~~Mentawai~~ Keauhanui
Scoop Net
PERSON RECORDING DATA: Maiah

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

MT#

OLD TAGS:

4607576673

46080E3265

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

50.0 cm

WIDTH:

39.7 cm

NOTCH LENGTH:

49.9 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

53.5 cm

WIDTH:

48.5 cm

HEAD WIDTH:

— cm

LATERAL1:

20.1 cm

LATERAL2:

17.0 cm

PPS: YES OR NO OR NE

—

LATERAL3:

13.7 cm

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

39.5 #

DESCRIPTIVE REMARKS:

Algae in mouth

34

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Nov. 2009

THURSDAY

R 6:37 am 5 S 9:42 am
S 5:53 pm R 8:44 pm

H 5:57 am 2.4 H 5:34 pm 0.7
L 1:37 pm 0.4 L 10:53 pm 0.0

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

WAIKOLOA 11/5/09

Hand/
Snorkel

RECORDING DATA: SH

JMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

| |
|--|
| |
| |
| |
| |

NEW TAGS:

RHF 4709666150

LHF 470C450930

MT#

STRAIGHT CARAPACE - LENGTH:

38.1 cm

WIDTH: 31.6 cm

NOTCH LENGTH: 37.7 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

41.0 cm

WIDTH: 36.5 cm

HEAD WIDTH: - cm

LATERAL1: 15.8 cm

LATERAL2: 12.7 cm

PPS: YES OR NO OR NE N

LATERAL3: 9.9 cm

SEX: Male, Female or Undetermined u

TAIL LENGTH: T 7.5 cm

C 4.5 cm

RIGHT FRONT FLIPPER WIDTH: - cm

PLASTRON LENGTH: 30.5 cm

WEIGHT: 17.5 #

SAMPLES COLLECTED:

DESCRIPTIVE REMARKS:

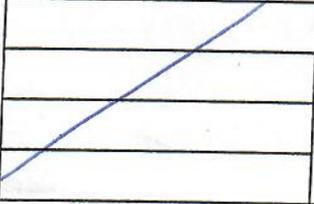
Plastron dirty but lighter color.

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| |
|---------------------------------------|
| Waikoloa 11/5/09 Hand/Sharkeel Lagoon |
| PERSON RECORDING DATA: <u>SH</u> |

| | | |
|---|--|---|
| TUMOR SCORE <input type="checkbox"/> | OLD TAGS:  | NEW TAGS: RHF 470D034804 LHF 470D112F78 |
| ORAL TMRS EXT: YES OR NO <input type="checkbox"/> | | |
| EMACIATION CODE <input type="checkbox"/> | MT# | |

STRAIGHT CARAPACE - LENGTH:

~~66.5~~ cm 61.3

WIDTH: 49.0 cm

NOTCH LENGTH: 61.3 cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

66.5 cm

WIDTH: 60.0 cm

HEAD WIDTH: cm

LATERAL1: 25.9 cm

LATERAL2: 22.9 cm

PPS: YES OR NO OR NE

LATERAL3: 18.3 cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T 14.0 cm

C 9.0 cm

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH: 49.5 cm

WEIGHT: 76.3 #

DESCRIPTIVE REMARKS:

96.0
-19.7
76.3

SAMPLES COLLECTED:

mouth sample algae

FOR
D.R. ID

(36)

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(3)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|----------|------------------------|
| 11/5/09 | Waikoloa | Hand/Snorkel Lagoon |
| PERSON RECORDING DATA: SH | | |

| | | |
|-------------------------------------|------------|-----------|
| TUMOR SCORE | OLD TAGS: | NEW TAGS: |
| <input type="checkbox"/> ϕ LH | 443AIEID6A | RHF |
| ORAL TMRS EXT: YES OR NO RH | 44551D5915 | LHF |
| <input type="checkbox"/> - | | |
| EMACIATION CODE | | |
| <input type="checkbox"/> ϕ MT# | | |

| | | | |
|-----------------------------|---------|--------------------------------------|-----------------|
| STRAIGHT CARAPACE - LENGTH: | 56.1 cm | WIDTH: | 42.3 cm |
| NOTCH LENGTH: | 56.1 cm | DB: ϕ L.O. | VB: ϕ L.O. |
| CURVED CARAPACE LENGTH: | 60.5 cm | WIDTH: | 51.5 cm |
| HEAD WIDTH: | - cm | LATERAL1: | 22.9 cm |
| PPS: YES OR NO OR NE | Y | LATERAL2: | 20.4 cm |
| LATERAL3: | 16.7 cm | SEX: Male, Female or Undetermined | U |
| TAIL LENGTH: T | 10.5 cm | C | 7.0 cm |
| RIGHT FRONT FLIPPER WIDTH: | - cm | SAMPLES COLLECTED: | |
| PLASTRON LENGTH: | 46.7 cm | | |
| WEIGHT: | 56.5 # | | |

DESCRIPTIVE REMARKS:

75.0
16.5
56.5

38

Revised 08/21/07

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96 ML
41.6 Rel 96
42,9200 Keawuanui
50.7 2005

SEA TURTLE TAGGING FORM

* Captive (S)
Release in 96 *

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|---------|--------------------|
| Waikoloa | 11-5-09 | Hand (near net) |
| PERSON RECORDING DATA: SH | | |

| TUMOR SCORE | OLD TAGS: | NEW TAGS: |
|--------------------------------------|---------------|-----------|
| <input type="checkbox"/> \emptyset | LH 502E627438 | RHF |
| ORAL TMRS EXT: YES OR NO | RH 4523304306 | LHF |
| <input type="checkbox"/> - | RF 11048 | |
| EMACIATION CODE | LF Q576 | |
| <input type="checkbox"/> \emptyset | MT# | |

STRAIGHT CARAPACE - LENGTH: cm WIDTH: cm

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

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: cm LATERAL1: cm LATERAL2: cm

PPS: YES OR NO OR NE LATERAL3: cm SEX: Male, Female or Undetermined

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #

Carapace + plastron Super clean

DESCRIPTIVE REMARKS:
healed V-notch 10th + 11th Rt marginal

6

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|---------|-----------------------------|
| Waikoloa | 11-5-09 | Hand / Snorkel Cayoon |
| PERSON RECORDING DATA: SH | | |

| | | |
|---|----------------------------|------------------|
| TUMOR SCORE <input type="checkbox"/> | OLD TAGS: 4H 4135147C7D | NEW TAGS: RHF |
| ORAL TMRS EXT: YES OR NO <input type="checkbox"/> | RH 424E153113 | LHF |
| EMACIATION CODE <input type="checkbox"/> | MT# | |

STRAIGHT CARAPACE - LENGTH: cm WIDTH: cm

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

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: cm LATERAL1: cm LATERAL2: cm

PPS: YES OR NO OR NE LATERAL3: cm SEX: Male, Female or Undetermined

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

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40

7

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|---------|---------------|
| Waikoloa | 11-5-09 | Hand/ snorkel |
| PERSON RECORDING DATA: SH | | Cayman |

TUMOR SCORE

0

LH

OLD TAGS:

470A123914

NEW TAGS:

ORAL TMRS EXT:
YES OR NO

-

RH

467D134927

RHF

LHF

EMACIATION CODE

0

MT#

ROBUST

STRAIGHT CARAPACE - LENGTH:

68.4 cm

WIDTH:

53.4 cm

NOTCH LENGTH:

68.0 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

74.5 cm

WIDTH:

65.0 cm

HEAD WIDTH:

- cm

LATERAL1:

28.7 cm

LATERAL2:

26.5 cm

PPS: YES OR NO OR NE

N

LATERAL3:

21.1 cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

15.0 cm

C

10.0 cm

RIGHT FRONT FLIPPER WIDTH:

- cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

55.2 cm

WEIGHT:

105.0 #

DESCRIPTIVE REMARKS:

Revised 08/21/07

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8

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|---------|------------------------------|
| Waikoloa | 11-5-09 | Hand (rear net) Lagoon |
| PERSON RECORDING DATA: SH | | |

| | | |
|---|---------------------------------------|---|
| TUMOR SCORE <input type="checkbox"/> | OLD TAGS: <input type="checkbox"/> | NEW TAGS: RHF 470B323967 LHF 470C757E42 |
| ORAL TMRS EXT: YES OR NO <input type="checkbox"/> | | |
| EMACIATION CODE <input type="checkbox"/> | MT# | |

| | |
|-------------------------------------|---|
| STRAIGHT CARAPACE - LENGTH: 58.7 cm | WIDTH: 43.9 cm |
| NOTCH LENGTH: 58.3 cm | DB: \emptyset L.O. VB: \emptyset L.O. |
| CURVED CARAPACE LENGTH: 62.0 cm | WIDTH: 54.0 cm |
| HEAD WIDTH: - cm | LATERAL1: 23.1 cm LATERAL2: 20.5 cm |
| PPS: YES OR NO OR NE N | LATERAL3: 16.5 cm SEX: Male, Female or Undetermined U |
| TAIL LENGTH: T 13.5 cm C 9.0 cm | |
| RIGHT FRONT FLIPPER WIDTH: - cm | SAMPLES COLLECTED: |
| PLASTRON LENGTH: 47.4 cm | |
| WEIGHT: 59.0 # | |

DESCRIPTIVE REMARKS:

Revised 08/21/07

97-42.6 120 lbs
10/03-52.3/45

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9

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|---------|---------------|
| Waikoloa | 11-5-09 | Hand/ snorkel |
| PERSON RECORDING DATA: JT | | |

| TUMOR SCORE | OLD TAGS: | NEW TAGS: |
|--------------------------------|------------|-----------|
| <input type="checkbox"/> 0 44 | 423F324C68 | RHF |
| ORAL TMRS EXT: YES OR NO | 4452507E7A | LHF |
| <input type="checkbox"/> - LF | 220E060D05 | |
| EMACIATION CODE | RF V695 | |
| <input type="checkbox"/> 0 MT# | | |

"FLAT" (cm)

STRAIGHT CARAPACE - LENGTH:

55.5 cm

WIDTH: 44.9 cm

NOTCH LENGTH: 55.3 cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

60.0 cm

WIDTH: 53.5 cm

HEAD WIDTH: - cm

LATERAL1: 21.4 cm

LATERAL2: 19.3 cm

PPS: YES OR NO OR NE N

LATERAL3: 16.3 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 12.0 cm

C 9.0 cm

RIGHT FRONT FLIPPER WIDTH:

- cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 45.0 cm

WEIGHT: 50.5 #

DESCRIPTIVE REMARKS:

Revised 08/21/07

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|---------|----------------------------|
| Waikaloa | 11-5-09 | Hand (reg net) agoon |
| PERSON RECORDING DATA: SH | | |

| | | |
|---|---------------------------------------|-------------------------|
| TUMOR SCORE <input type="checkbox"/> | OLD TAGS: <input type="checkbox"/> | NEW TAGS: 470B486338 |
| ORAL TMRS EXT: YES OR NO <input type="checkbox"/> | <input type="checkbox"/> | RHF |
| EMACIATION CODE <input type="checkbox"/> | <input type="checkbox"/> | LHF 467D12210F |
| MT# | | |

STRAIGHT CARAPACE - LENGTH: 63.9 cm WIDTH: 48.1 cm

NOTCH LENGTH: 63.7 cm DB: \emptyset L.O. VB: \emptyset L.O.

CURVED CARAPACE LENGTH: 69.0 cm WIDTH: 61.5 cm

HEAD WIDTH: - cm LATERAL1: 24.6 cm LATERAL2: 22.5 cm

PPS: YES OR NO OR NE N LATERAL3: 18.8 cm SEX: Male, Female or Undetermined U

TAIL LENGTH: T 14.0 cm C 9.5 cm

RIGHT FRONT FLIPPER WIDTH: - cm SAMPLES COLLECTED:

PLASTRON LENGTH: 49.6 cm

WEIGHT: 95.0 #

DESCRIPTIVE REMARKS:

11

44

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|---------|-----------------------------|
| Waikoloa | 11-5-09 | Hand (near net) 60gwt |
| PERSON RECORDING DATA: SH | | |

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

MT#

OLD TAGS:

| |
|--|
| |
| |
| |
| |

NEW TAGS:

| | |
|-----|------------|
| RHI | 470C3F6E6D |
| LHI | 470B00630E |

STRAIGHT CARAPACE - LENGTH:

66.6 cm

WIDTH: 51.9 cm

NOTCH LENGTH: 66.6 cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

70.5 cm

WIDTH: 65.0 cm

HEAD WIDTH: cm

LATERAL1: 26.3 cm

LATERAL2: 24.6 cm

PPS: YES OR NO OR NE N

LATERAL3: 21.2 cm

SEX: Male, Female or Undetermined M

TAIL LENGTH: T 23.5 cm

C 17.0 cm

Maturing

RIGHT FRONT FLIPPER WIDTH: cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 53.6 cm

WEIGHT: 96.5 #

DESCRIPTIVE REMARKS:

12

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|---------|-------------------------------|
| Waikoloa | 11-5-09 | Hand (creel net) LAGOON |
| PERSON RECORDING DATA: SH | | |

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

OLD TAGS:

| |
|---|
| / |
| / |
| / |
| / |

NEW TAGS:

| | |
|-----|--|
| RHF | 470B472773 |
| LHF |  |
| | 470A112B2D |
| |  |

MT#

STRAIGHT CARAPACE - LENGTH:

57.4 cm

WIDTH:

43.5 cm

NOTCH LENGTH:

57.3 cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

61.5 cm

WIDTH:

51.0 cm

HEAD WIDTH:

- cm

LATERAL1:

22.0 cm

LATERAL2:

19.5 cm

PPS: YES OR NO OR NE

Y

LATERAL3:

16.1 cm

SEX: Male, Female^f
or Undetermined

U

TAIL LENGTH: T

10.5 cm

C

6.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

- cm

PLASTRON LENGTH:

47.1 cm

WEIGHT:

55.5 #

DESCRIPTIVE REMARKS:

healed ~~notch~~ indentation btwn 7th & 8th left marginal

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END
11-5-09
WAIKOLOA

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 11/5/09

CAPTURE DATE, LOCATION AND METHOD:

| | | |
|---------------------------|---------|---------------------------------|
| Waikoloa | 11-5-09 | Hand / Snorkel (outside bay) |
| PERSON RECORDING DATA: SO | | |

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

| |
|--|
| |
| |
| |
| |

NEW TAGS:

LH
RHF
LHF
RH

4709753766



470C313733



MT#

STRAIGHT CARAPACE - LENGTH:

72.9 cm

WIDTH:

57.1 cm

NOTCH LENGTH:

72.7 cm

DB:

∅ L.O.

VB:

∅ L.O.

CURVED CARAPACE LENGTH:

78.0 cm

WIDTH:

68.5 cm

HEAD WIDTH:

LATERAL1:

27.3 cm

LATERAL2:

25.7 cm

PPS: YES OR NO OR NE

LATERAL3:

21.6 cm

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

24.5 cm

C

17 cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

57.4 cm

WEIGHT:

115.5 #

DESCRIPTIVE REMARKS:

Small red filaments in mouth.

9-10-09 PUAKEO
 HAWAII #1

Location of Capture: 20 PBRoad PUAKEO
 Method of Capture: Scoop net
 data recorder: Meimei NAKAMURA
 date: 9-10-09

straight carapace LENGTH: 63.8 cm.
 straight carapace WIDTH: 50.3 cm.
 head width: 9.9 cm.
 straight carapace NOTCH: 62.0 cm.
 D.B.:
 V.B.:
 flipper width: cm.
 curved carapace LENGTH: 68.0 cm.
 curved carapace WIDTH: 60.5 cm.
 LATERAL 1: 21.4 cm.
 LATERAL 2: 18.9 cm.
 LATERAL 3: 16.7 cm.
 PLASTRON LENGTH: 50.5 cm.
 Y/N tumor score:
 oral Tumors:
 PPS: Y
 M/F/undetermined:
 SEX:
 TAIL LENGTH: TOTAL 17.0 cm.
 CLOACA: 12.0 cm.
 WEIGHT: 68.5 lbs.
 emaciation code: 1

| location | OLD TAGS | location | NEW TAGS |
|----------|----------|----------|----------|
| LH | Q532 | | |
| RH | Q533 | | |
| RF | Q531 | | |
| LF | Q530 | | |

Samples Collected-- observations and remarks

LH 42321F6938
 RH 4234D306F60
 Sunken plastron

Location of Capture

Method of Capture

#2

| | | |
|--------------------------------|---------------------|-----------|
| 20 PBR PUAKO | | Scoop net |
| data recorder meimei n. | date 9-10-09 | |

| | | | | | |
|--------------------------|-------------------------|-------------------------|-------------------------------------|---------------------|------------------------------|
| straight carapace LENGTH | 47.4 cm. | straight carapace WIDTH | 38.0 cm. | head width | 8.1 cm. |
| straight carapace NOTCH | 47.1 cm. | D.B. | <input type="checkbox"/> | flipper width | <input type="checkbox"/> cm. |
| curved carapace LENGTH | 51.0 cm. | V.B. | <input type="checkbox"/> | not measured injury | |
| | | curved carapace WIDTH | 45.5 cm. | | |
| LATERAL 1 | 19.2 cm. | LATERAL 2 | 17.0 cm. | LATERAL 3 | 13.8 cm. |
| PLASTRON LENGTH | 38.8 cm. | Y/N | <input checked="" type="checkbox"/> | tumor score | <input type="checkbox"/> |
| | | PPS | <input checked="" type="checkbox"/> | oral Tumors | <input type="checkbox"/> |
| SEX | M/F/undetermined | TAIL LENGTH: TOTAL | 10.5 cm. | CLOACA | 7.0 cm. |
| WEIGHT | 33.5 lbs. | emaciation code | 0 | | |

| location | OLD TAGS | location | NEW TAGS |
|----------|----------|----------|-----------------------|
| | | LH | 4A342E6A19 |
| | | RH | 4B0E1E7331 |
| | | | |
| | | | |

Samples Collected-- observations and remarks

Algae in mouth
~~plastron not flat~~

Location of Capture

Method of Capture

#3

| | | |
|----------------------|--------------|-----------|
| 20 PBR PUAKO | | Scoop net |
| data recorder Meimei | date 9-10-09 | |

straight carapace LENGTH straight carapace WIDTH head width

straight carapace NOTCH D.B. flipper width

curved carapace LENGTH curved carapace WIDTH V.B.

LATERAL 1 LATERAL 2 LATERAL 3

PLASTRON LENGTH PPS tumor score oral Tumors

SEX TAIL LENGTH: TOTAL CLOACA

WEIGHT emaciation code

| location | OLD TAGS |
|----------|----------|
| LH | Q513 |
| RH | Q514 |
| LF | Q512 |
| RF | Q511 |

| location | NEW TAGS |
|----------|----------------|
| LH | 4B091A3406 |
| RH | 4A3449730B |

Samples Collected - observations and remarks

(old) LF 221A75463E
~~RF~~ Plastron flat, some what sunken.

Location of Capture

Method of Capture

#4

| | | |
|-----------------------------|---------------------|-----------|
| 20 PBR PUAKO | | scoop net |
| data recorder meimei | date 9-10-09 | |

| | | | | | |
|--------------------------|---------------------------|-------------------------|--------------------------|--------------------------|--------------------------------------|
| straight carapace LENGTH | 59.7 cm. | straight carapace WIDTH | 45.8 cm. | head width | 9.9 cm. |
| straight carapace NOTCH | 59.5 cm. | D.B. | <input type="checkbox"/> | flipper width | 10.5 cm. |
| curved carapace LENGTH | 64.5 cm. | V.B. | <input type="checkbox"/> | | |
| | | curved carapace WIDTH | 56.5 cm. | | |
| LATERAL 1 | 22.2 cm. | LATERAL 2 | 19.3 cm. | LATERAL 3 | 16.2 cm. |
| PLASTRON LENGTH | 47.9 cm. | Y/N | tumor score | <input type="checkbox"/> | oral Tumors <input type="checkbox"/> |
| | | PPS | Y | | |
| SEX | M/F/undetermined ♀ | TAIL LENGTH: TOTAL | 15.0 cm. | CLOACA | 10.5 cm. |
| WEIGHT | 62.5 lbs. | emaciation code | 0 | | |

| location | OLD TAGS |
|----------|----------|
| 1 | |
| | |
| | |
| | |

| location | NEW TAGS |
|-----------|---|
| LH | 4B07581B69  |
| RH | 4A353F3915  |

Samples Collected-- observations and remarks

RH ^{totally} amputated - new pit tag put just medial to stump of femur.
 flat PLASTRON

Location of Capture

Method of Capture

#5

| | | | |
|---------------|--------|-----------|---------|
| ZOPBR PUAKO | | Scoop net | |
| data recorder | Meimei | date | 9-10-09 |

| | | | | | |
|--------------------------|--|-------------------------|---------------------------------------|---------------|---------------------------------------|
| straight carapace LENGTH | <input type="text" value="61.4 cm."/> | straight carapace WIDTH | <input type="text" value="47.4 cm."/> | head width | <input type="text" value="— cm."/> |
| straight carapace NOTCH | <input type="text" value="61.2 cm."/> | D.B. | <input type="text"/> | flipper width | <input type="text" value="— cm."/> |
| | | V.B. | <input type="text"/> | | |
| curved carapace LENGTH | <input type="text" value="66.0 cm."/> | curved carapace WIDTH | <input type="text" value="59.0 cm."/> | | |
| LATERAL 1 | <input type="text" value="22.2 cm."/> | LATERAL 2 | <input type="text" value="19.7 cm."/> | LATERAL 3 | <input type="text" value="16.8 cm."/> |
| PLASTRON LENGTH | <input type="text" value="49.4 cm."/> | Y/N | <input type="text" value="N"/> | tumor score | <input type="text" value="0"/> |
| | | PPS | <input type="text" value="N"/> | oral Tumors | <input type="text" value="0"/> |
| SEX | M/F/undetermined <input type="text" value="H"/> | TAIL LENGTH: TOTAL | <input type="text"/> | CLOACA | <input type="text"/> |
| WEIGHT | <input type="text" value="65.5 lbs."/> | emaciation code | <input type="text" value="0"/> | | |

| location | OLD TAGS | location | NEW TAGS |
|--------------------------------|----------------------|----------------------|----------------------|
| <input type="text" value="2"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| | <input type="text"/> | | <input type="text"/> |
| | <input type="text"/> | | <input type="text"/> |
| | <input type="text"/> | | <input type="text"/> |

Samples Collected-- observations and remarks

| | |
|-------|-------------------------------|
| (old) | LH 4413194549 |
| (old) | RH 2007 441444707F |
| | flat plastron |

Location of Capture

Method of Capture

#6

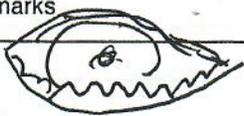
| | | |
|----------------------|--------------|-----------|
| 20 PBR | PUAKO | Scoop Net |
| data recorder Meimei | date 9-10-09 | |

| | | | | | |
|--------------------------|-----------------------|-------------------------|--------------------------|---------------|----------|
| straight carapace LENGTH | 45.6 cm. | straight carapace WIDTH | 36.4 cm. | head width | 7.3 cm. |
| straight carapace NOTCH | 45.5 cm. | D.B. | <input type="checkbox"/> | flipper width | 7.9 cm. |
| | | V.B. | <input type="checkbox"/> | | |
| curved carapace LENGTH | 48.5 cm. | curved carapace WIDTH | 42.5 cm. | | |
| LATERAL 1 | 17.2 cm. | LATERAL 2 | 15.6 cm. | LATERAL 3 | 13.5 cm. |
| PLASTRON LENGTH | 36.7 cm. | PPS | Y/N Y | tumor score | ϕ |
| | | | | oral Tumors | ϕ |
| SEX | M/F/undetermined # | TAIL LENGTH: TOTAL | 10.0 cm. | CLOACA | 7.0 cm. |
| WEIGHT | 26.5 lbs. | emaciation code | 0 | | |

| location | OLD TAGS |
|----------|----------|
| | |
| | |
| | |
| | |

| location | NEW TAGS |
|----------|--|
| LH | 4A4718597C  |
| RH | 4A362C3771  |

Samples Collected-- observations and remarks

| |
|---|
| <p>Scalloped lower right eyelid. Same on left, less pronounced</p>  |
|---|

Location of Capture

Method of Capture

#7

| | | |
|----------------------|--------------|-----------|
| 20 PBR PUAKO | | Scoop Net |
| data recorder Meimei | date 9-10-09 | |

| | | | | | |
|--------------------------|------------------|-------------------------|-------------------------------------|-----------------|-------------------------------------|
| straight carapace LENGTH | 51.9 cm. | straight carapace WIDTH | 39.1 cm. | head width | 8.9 cm. |
| straight carapace NOTCH | 51.8 cm. | D.B. | <input type="checkbox"/> | flipper width | 9.5 cm. |
| | | V.B. | <input type="checkbox"/> | | |
| curved carapace LENGTH | 55.5 cm. | curved carapace WIDTH | 47.0 cm. | | |
| LATERAL 1 | 20.3 cm. | LATERAL 2 | 18.1 cm. | LATERAL 3 | 14.6 cm. |
| PLASTRON LENGTH | 42.5 cm. | Y/N | <input checked="" type="checkbox"/> | tumor score | <input checked="" type="checkbox"/> |
| | | PPS | Y | oral Tumors | <input checked="" type="checkbox"/> |
| SEX | M/F/undetermined | TAIL LENGTH: TOTAL | 11.5 cm. | CLOACA | 8.5 cm. |
| | # | WEIGHT | 42.5 lbs. | emaciation code | <input checked="" type="checkbox"/> |

| location | OLD TAGS |
|----------|----------|
| | |
| | |
| | |
| | |

| location | NEW TAGS |
|----------|--|
| LH | 4A793A3A15  |
| RH | 4A18144628  |

Samples Collected-- observations and remarks

algae in mouth
 rugous tissue inside left and right
 jaw hinge. - gray colored

Location of Capture

Method of Capture

#8

| | | |
|----------------------|--------------|-----------|
| 20 PBR | PUAKO | Scoop Net |
| data recorder meimei | date 9-10-09 | |

| | | | | | |
|--------------------------|-----------|-------------------------|----------|--------------------|----------|
| straight carapace LENGTH | 61.6 cm. | straight carapace WIDTH | 49.0 cm. | head width | cm. |
| straight carapace NOTCH | 61.5 cm. | D.B. | | flipper width | cm. |
| curved carapace LENGTH | 65.5 cm. | V.B. | | | |
| | | curved carapace WIDTH | 59.5 cm. | | |
| LATERAL 1 | 21.6 cm. | LATERAL 2 | 19.1 cm. | LATERAL 3 | 16.4 cm. |
| PLASTRON LENGTH | 50.8 cm. | Y/N | | tumor score | ∅ |
| | | PPS | Y | oral Tumors | ∅ |
| M/F/undetermined | | SEX | | TAIL LENGTH: TOTAL | CLOACA |
| | | | | cm. | cm. |
| WEIGHT | 68.0 lbs. | emaciation code | 1 | | |

| location | OLD TAGS |
|----------|------------|
| LH | 424E257325 |
| RH | 423A236C2B |
| | |
| | |

| location | NEW TAGS |
|----------|----------|
| | |
| | |

Samples Collected-- observations and remarks

| | |
|---------|--|
| LH Q428 | flat sunken plastron left eye posterior white dot alone in mouth |
| RH Q429 | |
| LF Q426 | |
| RF Q427 | |

Location of Capture

Method of Capture #9

| | | |
|----------------------|--------------|-----------|
| 20 PBR | PUAKO | Scoop Net |
| data recorder meimei | date 9-10-09 | |

| | | | | | |
|--------------------------|------------------|-------------------------|-----------|-----------------|----------|
| straight carapace LENGTH | 55.3 cm. | straight carapace WIDTH | 43.5 cm. | head width | cm. |
| straight carapace NOTCH | 54.9 cm. | D.B. | | flipper width | cm. |
| | | V.B. | | | |
| curved carapace LENGTH | 59.5 cm. | curved carapace WIDTH | 53.5 cm. | | |
| LATERAL 1 | 20.7 cm. | LATERAL 2 | 18.2 cm. | LATERAL 3 | 15.4 cm. |
| PLASTRON LENGTH | 44.2 cm. | Y/N | | tumor score | ∅ |
| | | PPS | N | oral Tumors | ∅ |
| SEX | M/F/undetermined | TAIL LENGTH: TOTAL | cm. | CLOACA | cm. |
| | | WEIGHT | 51.0 lbs. | emaciation code | 0 |

| location | OLD TAGS |
|----------|------------|
| LH | 4414555158 |
| RH | 4414296038 |
| | |
| | |

| location | NEW TAGS |
|----------|----------|
| | |
| | |

Samples Collected-- observations and remarks

Amphi
Amphipod in mouth

Location of Capture

Method of Capture

#10

| | | |
|----------------------|--------------|-----------|
| 20 PBR | PUAKO | Scoop Net |
| data recorder Meimei | date 9-10-09 | |

straight carapace LENGTH straight carapace WIDTH head width

straight carapace NOTCH D.B. flipper width

V.B.

curved carapace LENGTH curved carapace WIDTH

LATERAL 1 LATERAL 2 LATERAL 3

PLASTRON LENGTH

Y/N tumor score oral Tumors

PPS

M/F/undetermined SEX

TAIL LENGTH: TOTAL CLOACA

WEIGHT emaciation code

| location | OLD TAGS |
|----------|------------|
| LH | 4601743C49 |
| RH | 46077D624E |
| | |
| | |

| location | NEW TAGS |
|----------|----------|
| | |
| | |

Samples Collected-- observations and remarks

algae in mouth

Location of Capture **20 PBR Puako** Method of Capture **#11 Scoop Net**

data recorder **Alohi** date **9-10-00**

straight carapace LENGTH **66.4 cm.** straight carapace WIDTH **51.3 cm.** head width **— cm.**

straight carapace NOTCH **66.4 cm.** D.B. flipper width **— cm.**

V.B.

curved carapace LENGTH **71.5 cm.** curved carapace WIDTH **66.5 cm.**

LATERAL 1 **24.6 cm.** LATERAL 2 **23.5 cm.** LATERAL 3 **20.2 cm.**

PLASTRON LENGTH **54.2 cm.** tumor score oral Tumors

Y/N PPS

SEX **#** M/F/undetermined TAIL LENGTH: TOTAL **— cm.** CLOACA **— cm.**

WEIGHT **87.0 lbs.** emaciation code **0**

| location | OLD TAGS |
|----------|-------------|
| LH | 442E364B79 |
| RH | 43697B.1106 |
| LF | Q508 |
| RF | Q507 |

| location | NEW TAGS |
|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |

Samples Collected-- observations and remarks

**Red algae in mouth
FLAT Plastron**

#12

Location of Capture **20 PBR PUKO** Method of Capture **scoopnet**

data recorder **Alohi** date **9-10-09**

straight carapace LENGTH **58.3 cm.** straight carapace WIDTH **— cm.** head width **— cm.**

straight carapace NOTCH **58.3 cm.** D.B. flipper width **— cm.**

V.B.

curved carapace LENGTH **62.5 cm.** curved carapace WIDTH **— cm.**

LATERAL 1 **21.3 cm.** LATERAL 2 **19.7 cm.** LATERAL 3 **16.2 cm.**

PLASTRON LENGTH **48.9 cm.** Y/N tumor score oral Tumors

SEX **M/F/undetermined** PPS TAIL LENGTH: TOTAL cm. CLOACA cm.

WEIGHT **59.5 lbs.** emaciation code

| location | OLD TAGS |
|----------|------------|
| LH | 4452402B28 |
| RH | 445523587A |
| | |
| | |

| location | NEW TAGS |
|----------|----------|
| | |
| | |

Samples Collected-- observations and remarks

~~Right~~ **6-7 marginal right injury, healed**
FLAT plastron

#13

Location of Capture Puako Method of Capture Scoop Net

20 PBR meimei date 9-10-09

straight carapace LENGTH 43.9 cm. straight carapace WIDTH 34.2 cm. head width — cm.

straight carapace NOTCH 43.8 cm. D.B. — flipper width — cm.

curved carapace LENGTH 47.0 cm. curved carapace WIDTH 42.0 cm. V.B. —

LATERAL 1 16.2 cm. LATERAL 2 14.4 cm. LATERAL 3 11.7 cm.

PLASTRON LENGTH 33.9 cm. Y/N tumor score ∅ oral Tumors ∅

SEX M/F/undetermined PPS N TAIL LENGTH: TOTAL — cm. CLOACA — cm.

WEIGHT 23.5 lbs. emaciation code 1

| location | OLD TAGS |
|----------|-------------|
| LH | 452304285A |
| RH | 44146837318 |
| | |
| | |

| location | NEW TAGS |
|----------|----------|
| | |
| | |

Samples Collected-- observations and remarks

one small
 mouth full of red algae and bird feather

Location of Capture

Method of Capture

#14

| | | |
|---------------|--------|--------------|
| 20 PBR | PUAKO | |
| data recorder | meimei | date 9-10-09 |
| Scoop Net | | |

| | | | | | |
|--------------------------|---------------------|-------------------------|----------|---------------|----------|
| straight carapace LENGTH | 75.7 cm. | straight carapace WIDTH | 60.4 cm. | head width | — cm. |
| straight carapace NOTCH | 75.6 cm. | D.B. | | flipper width | — cm. |
| curved carapace LENGTH | 81.0 | V.B. | | | |
| | 80.0 cm. | curved carapace WIDTH | 72.5 cm. | | |
| LATERAL 1 | 26.9 cm. | LATERAL 2 | 25.0 cm. | LATERAL 3 | 20.3 cm. |
| PLASTRON LENGTH | 60.9 cm. | Y/N | | tumor score | ∅ |
| | | PPS | N | oral Tumors | ∅ |
| SEX | M/F/undetermined | TOTAL TAIL LENGTH: | — cm. | CLOACA | — cm. |
| WEIGHT | 120.5 lbs. | emaciation code | 0 | | |

| location | OLD TAGS | location | NEW TAGS |
|----------|--|----------|------------|
| 120.5 LF | IF2A6C2A21 (PIT TAG) | LH | 4A776D080F |
| LF | B175 (photos by mr. r. red algae w/ oysters) | | |
| RH | B178 | | |
| LH | B177 | RH | 4A432C4C10 |

Samples Collected-- observations and remarks

LF flipper healed fracture
 deep scratches in carapace from shark,
 not recent. FLAT

Location of Capture

Method of Capture

#15

| | |
|------------------------------|---------------------|
| 20 PBR <i>Puerto</i> | Scoop Net |
| data recorder <i>mei mei</i> | date <i>9-10-09</i> |

| | | | | | |
|--------------------------|--|-------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| straight carapace LENGTH | <input type="text" value="57.2 cm."/> | straight carapace WIDTH | <input type="text" value="46.2 cm."/> | head width | <input type="text" value="9.3 cm."/> |
| straight carapace NOTCH | <input type="text" value="56.4 cm."/> | D.B. | <input type="text"/> | flipper width | <input type="text" value="9.6 cm."/> |
| curved carapace LENGTH | <input type="text" value="61.0 cm."/> | V.B. | <input type="text"/> | | |
| | | curved carapace WIDTH | <input type="text" value="55.0 cm."/> | | |
| LATERAL 1 | <input type="text" value="21.0 cm."/> | LATERAL 2 | <input type="text" value="18.9 cm."/> | LATERAL 3 | <input type="text" value="16.3 cm."/> |
| PLASTRON LENGTH | <input type="text" value="46.7 cm."/> | Y/N | <input checked="" type="checkbox"/> | tumor score | <input checked="" type="checkbox"/> |
| | | PPS | <input type="text" value="Y"/> | oral Tumors | <input checked="" type="checkbox"/> |
| M/F/undetermined | | SEX | <input checked="" type="checkbox"/> | TAIL LENGTH: | TOTAL |
| | | | | <input type="text" value="13.0 cm."/> | <input type="text" value="8.5 cm."/> |
| WEIGHT | <input type="text" value="53.5 lbs."/> | emaciation code | <input type="text" value="0"/> | | |

| location | OLD TAGS |
|----------|----------|
| | |
| | |
| | |
| | |

| location | NEW TAGS |
|----------|--|
| LH | 4A79041D5C  |
| RH | 4A5C120306  |

Samples Collected-- observations and remarks

amphipod in right nostril
a little algae in mouth
flat

Location of Capture

Method of Capture #16

| | | |
|--------------------|--------------|-----------|
| 20 PBR | PUAKO | Scoop Net |
| data recorder Aloh | date 9-10-09 | |

| | | | | | |
|--------------------------|------------------|-------------------------|----------------|-----------------|----------|
| straight carapace LENGTH | 52.7 cm. | straight carapace WIDTH | 40.9 cm. | head width | 8.3 cm. |
| straight carapace NOTCH | 52.4 cm. | D.B. | | flipper width | 9.2 cm. |
| | | V.B. | | | |
| curved carapace LENGTH | 56.0 cm. | curved carapace WIDTH | 48.5 cm. | | |
| LATERAL 1 | 19.8 cm. | LATERAL 2 | 17.6 cm. | LATERAL 3 | 14.5 cm. |
| PLASTRON LENGTH | 42.1 cm. | PPS | N | Y/N tumor score | 0 |
| | | | | oral Tumors | 0 |
| SEX | M/F/undetermined | TAIL LENGTH: | TOTAL 11.5 cm. | CLOACA | 7.5 cm. |
| WEIGHT | 41.5 lbs. | emaciation code | 0 | | |

| location | OLD TAGS |
|----------|----------|
| | |
| | |
| | |
| | |

| location | NEW TAGS |
|----------|--|
| LH | 4A312A1A29  |
| RH | 4B080C5231  |

Samples Collected-- observations and remarks

Red algae in mouth
Barnacles collected from hind flipper and tail
for JOHN ZARDUS

Location of Capture

#17

| | | |
|---------------|-------|-------------------|
| ZOPBR PUAKO | | Method of Capture |
| data recorder | Alohi | scoop net |
| | date | 9-10-09 |

| | | | | | |
|--------------------------|--------------------------|-------------------------|--------------------------|---------------|--------------------------|
| straight carapace LENGTH | 55.5 cm. | straight carapace WIDTH | 42.6 cm. | head width | 9.2 cm. |
| straight carapace NOTCH | 55.4 cm. | D.B. | <input type="checkbox"/> | flipper width | 20.0 cm. |
| curved carapace LENGTH | 60.0 cm. | V.B. | <input type="checkbox"/> | | 10-0 |
| LATERAL 1 | 18.8 21.3 cm. | curved carapace WIDTH | 51.0 cm. | | |
| PLASTRON LENGTH | 45.1 cm. | LATERAL 2 | 18.8 cm. | LATERAL 3 | 15.6 cm. |
| SEX | M/F/undetermined | PPS | Y/N | tumor score | <input type="checkbox"/> |
| | <input type="checkbox"/> | | N | oral Tumors | <input type="checkbox"/> |
| WEIGHT | 49.5 lbs. | TAIL LENGTH: TOTAL | 13 cm. | CLOACA | 9 cm. |
| | emaciation code | | 0 | | |

| location | OLD TAGS |
|----------|----------|
| | |
| | |
| | |
| | |

| location | NEW TAGS |
|----------|--|
| LH |  4A3340690B |
| RH |  4B0E46507F |

Samples Collected-- observations and remarks

Flat
 one barnacle collected from plastron
 for JOHN ZARDUS

Location of Capture

Method of Capture

#18

| | | |
|----------------------------|----------------------------------|-----------|
| 20 PBR <i>Puako</i> | | scoop net |
| data recorder <i>Aloni</i> | date 10/21 9-10-09 | |

| | | | | | |
|--------------------------|---|-------------------------|---------------------------------------|---------------|---------------------------------------|
| straight carapace LENGTH | <input type="text" value="58.2 cm."/> | straight carapace WIDTH | <input type="text" value="47.0 cm."/> | head width | <input type="text" value="— cm."/> |
| straight carapace NOTCH | <input type="text" value="57.9 cm."/> | D.B. | <input type="text" value=""/> | flipper width | <input type="text" value="— cm."/> |
| curved carapace LENGTH | <input type="text" value="62.0 cm."/> | V.B. | <input type="text" value=""/> | | |
| | | curved carapace WIDTH | <input type="text" value="57.5 cm."/> | | |
| LATERAL 1 | <input type="text" value="22.8 cm."/> | LATERAL 2 | <input type="text" value="21.1 cm."/> | LATERAL 3 | <input type="text" value="17.2 cm."/> |
| PLASTRON LENGTH | <input type="text" value="46.3 cm."/> | Y/N | <input type="text" value="N"/> | tumor score | <input type="text" value="∅"/> |
| | | PPS | <input type="text" value="N"/> | oral Tumors | <input type="text" value="∅"/> |
| SEX | <input type="text" value="M/F/undetermined"/> | TAIL LENGTH: | <input type="text" value="— cm."/> | CLOACA | <input type="text" value="— cm."/> |
| WEIGHT | <input type="text" value="60.5 lbs."/> | emaciation code | <input type="text" value="0"/> | | |

| location | OLD TAGS |
|----------|------------|
| LH | 407A4F331A |
| RH | 4413165D59 |
| LF | 407A3D796C |
| | |

| location | NEW TAGS |
|----------|----------|
| | |
| | |

Samples Collected-- observations and remarks

#19

Location of Capture Puako Method of Capture scoop net

20 PBR

data recorder Alohi date 9-10-09

straight carapace LENGTH 57.5 cm. straight carapace WIDTH 46.0 cm. head width 9.3 cm.

straight carapace NOTCH 57.1 cm. D.B. flipper width 10.5 cm.

curved carapace LENGTH 62.5 cm. curved carapace WIDTH 56.5 cm. V.B.

LATERAL 1 22.2 cm. LATERAL 2 19.5 cm. LATERAL 3 16.6 cm.

PLASTRON LENGTH 48.1 cm. PPS Y/N N tumor score oral Tumors

SEX ~~M/F/undetermined~~ TAIL LENGTH: TOTAL 12 cm. CLOACA 8 cm.

WEIGHT 57.0 lbs. emaciation code 0

| location | OLD TAGS | location | NEW TAGS |
|----------|----------|----------|--|
| | | LH | 4A37133F00  |
| | | PH | 4A62510831  |
| | | | |
| | | | |

Samples Collected-- observations and remarks

Twig of reddish filament in mouth
Flat

Location of Capture

#20

20 PBR PUAHO

Method of Capture: SCOOP NET

data recorder: Alohi

date: 9-10-09

straight carapace LENGTH: 48.2 cm.

straight carapace WIDTH: 38.8 cm.

head width: 7.9 cm.

straight carapace NOTCH: 47.7 cm.

D.B.:

V.B.:

flipper width: 8.6 cm.

curved carapace LENGTH: 50.5 cm.

curved carapace WIDTH: 44.0 cm.

LATERAL 1: 18.2 cm.

LATERAL 2: 16.4 cm.

LATERAL 3: 13.6 cm.

PLASTRON LENGTH: 39.4 cm.

Y/N tumor score: oral Tumors:

PPS:

M/F/undetermined:

SEX:

TAIL LENGTH: TOTAL 9.5 cm.

CLOACA: 6.5 cm.

WEIGHT: 320 lbs.

emaciation code: 0

| location | OLD TAGS |
|----------|----------|
| | |
| | |
| | |
| | |

location: LH

NEW TAGS: 4B0C5E773D



location: RH

NEW TAGS: 4A39403014



Samples Collected-- observations and remarks

Puako end 9/10/09 end

#21

Location of Capture: 20 PBR Puako
 Method of Capture: SCOOP NET
 data recorder: Alohi
 date: 9-10-09

straight carapace LENGTH: 54.0 cm.
 straight carapace WIDTH: 42.1 cm.
 head width: — cm.
 straight carapace NOTCH: 53.8 cm.
 D.B.:
 V.B.:
 flipper width: — cm.
 curved carapace LENGTH: 57.0 cm.
 curved carapace WIDTH: 50.5 cm.
 LATERAL 1: 20.9 cm.
 LATERAL 2: 18.9 cm.
 LATERAL 3: 15.9 cm.
 PLASTRON LENGTH: 42.7 cm.
 Y/N: Y
 tumor score: ϕ
 oral Tumors: ϕ
 PPS: Y
 M/F/undetermined: F
 SEX: F
 TAIL LENGTH: TOTAL — cm.
 CLOACA: — cm.
 WEIGHT: 48.0 lbs.
 emaciation code: 0

| location | OLD TAGS |
|----------|----------|
| LH | Q613 |
| RH | Q614 |
| LF | Q612 |
| RF | — |

| location | NEW TAGS |
|----------|----------|
| | |
| | |

Samples Collected-- observations and remarks

LH 46022E@117
 RH 442F202E@117
 Algae in mouth

Location of Capture

Method of Capture

#3

| | |
|----------------------|--------------|
| 20 PBR PUAKO | Scoop net |
| data recorder meimei | date 9-10-09 |

straight carapace LENGTH straight carapace WIDTH head width

straight carapace NOTCH D.B. flipper width
V.B.

curved carapace LENGTH curved carapace WIDTH

LATERAL 1 LATERAL 2 LATERAL 3

PLASTRON LENGTH PPS tumor score oral Tumors

SEX TAIL LENGTH: TOTAL CLOACA

WEIGHT emaciation code

| location | OLD TAGS | location | NEW TAGS |
|----------|----------|----------|--|
| LH | Q513 | LH | 4B091A3406  |
| RH | Q514 | | |
| LF | Q512 | RH | 4A3449730B  |
| RF | Q511 | | |

Samples Collected - observations and remarks

(old) LF 221A75463E
~~RF~~ Plastron flat, some what sunken.

LIST OF PARTICIPANTS
POAKO Sept. 10, 2009 Thursday

Alohi Nakachi gr. 11 Age-16

Meimei Yuhana gr. 10 Age-15

Eliana Kaplan gr. 7 age-13

Trevor Paraiso gr. 7 age 13

Morgan Buckner gr. 12 age 17

Ka'kua Nakachi 11 16

Teelin Healy Gr. 7 age-12

ARTIC, PAUTZ

| | |
|--------------------------------------|----------|
| REINA MORISE | |
| KAIKEA NACHI' | |
| LAUREN HOLDCROFT | |
| MEI MEI NAKAHARA | |
| John White | |
| Landy Eng | |
| Miller White | |
| Morgan Buckner | |
| Maiah Polioe | |
| Tori Steele GRECO/IRANAKA | |
| Cari Eggleston | GUAM |
| Shandell Brunson | Honolulu |
| Steve BlackSmith | HPS |

George & Linda,
Mahalo nui loa for everything.

E kala mai for addressing you as George-san. The previous day our guests from Okinawa kept calling Marc-san. Then they mentioned tomorrow George-san will join us so I figured it's okay to address you by your first name. If our paths ever cross again, you will be addressed as Mr. Balazs.

Your hard work, generosity, and hospitality will not be forgotten.

...for being so helpful
in so many ways!

Merle Junko Shiigi
Japanese speaking guide
to Jack's Tours, Inc.
P.O. Box 4951
Hilo, HI 96720-0951



About the Artist

Martha Lowrey Greenwell has had a lifelong love affair with the idyllic beauty of the Hawaiian Islands. She has been capturing scenes of back roads, fog-shrouded forests, old Island shacks, weathered fences, and rolling pastures for almost 80 years with her pencil, paintbrush, and canvas. She and her husband, Jimmie, live in Honokohau on the Big Island.

Proceeds from the sale of this card will benefit the
Jimmie & Martha Greenwell Scholarship Endowment Fund.



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Hi George.

8/9/09

Thanks for letting me and my husband "tag" along on Sunday. We sure had fun. And it was a pleasure to meet your lovely wife. I thought you'd like to have a copy of the photos I took (CD enclosed).

Thanks again - all my best to Linda.

Regards,
Blanna

Date: Tue, 3 Nov 2009 03:31:40 -1000
From: Michelle Campbell <mcampbell@dolphinquest.org>
To: 'George H. Balazs' <gbalazs@honlab.nmfs.hawaii.edu>
Subject: RE: Thursday 11/5/09 Turtle field day at the Waikoloa

Hi George,

I'm currently at the IMATA conference in Atlanta, GA and won't be returning until November 12th. Carla Buczyna, our Manager of Marine Animals and Amy Gollenberg should be around.

Wish I could be there. I'll be sure to pass word to them.

Thanks for the notice.

Michelle Campbell, M.S.
Director of Marine Animals
Dolphin Quest / Quest Global Management
PH: 808-756-3915
FX: 808-886-7030
mcampbell@dolphinquest.org
dolphinquest.org

Accredited by the Alliance of Marine Mammal Parks and Aquariums

-----Original Message-----
From: George H. Balazs [mailto:gbalazs@honlab.nmfs.hawaii.edu]
Sent: Monday, November 02, 2009 12:22 PM
To: Michelle Campbell
Subject: Thursday 11/5/09 Turtle field day at the Waikoloa

Michelle we will be working at the Waikoloa this coming Thursday November 5 from about 830am to 4pm. Will I see you there? Aloha, George



U.S. DEPARTMENT OF COMMERCE
 National Oceanic and Atmospheric Administration
 NATIONAL MARINE FISHERIES SERVICE
 Pacific Islands Fisheries Science Center
 2570 Dole St. • Honolulu, Hawaii 96822-2396
 (808)983-5733 • Fax: (808)983-2902

MEMORANDUM FOR:

DO CARE OAHU
 453-6789

11-3-09

DO CARE WAIMEA
 (808) 887 6199

OLE NOAA 541-3166

George H. Balazs, cell 286-2899
 Leader, Marine Turtle Research Program
 Telephone: (808) 983-5733
 Fax: (808) 983-2902

SUBJECT: Notification of intended research involving capture and tagging of sea turtles

From (date) NOVEMBER 5, 2009 (time) 8 AM to
 (date) SAME DAY (time) 4 PM

FAXED 11/3 10:15am
 FAX
 FAXED 11/3 10:20am

I will be conducting capture, tagging, and related research activities of sea turtles at Hilton Waikeoloa - West Hawaii

Lagoon and Adjacent Shoreline Big Island. These activities are

authorized under Federal Fish and Wildlife Permit TE-739350-3,
50CFR 17.31(b), 50CFR 17.22, State of Hawaii Special Activity Permit
SAP No. 2009-113, and NOAA/NMFS Permit No. 1581.

~~X~~

Research activities will be conducted from shore by snorkeling ~~and/or scuba diving~~ to hand-capture turtles.

~~X~~

Research activities will be conducted from shore using a closely monitored tangle net to capture turtles.

Research activities will be conducted using a bullpen net.

Research activities will be conducted from a boat by snorkeling and/or scuba diving to hand capture turtles. The boat's identification number, name, and description are as follows

~~X~~

Research activities will involve turtles basking ashore.

Research Signs will
Be displayed

MULTIPLICATION TABLE

| | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
| 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 |
| 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 | 77 | 84 |
| 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 |
| 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | 99 | 108 |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 | 121 | 132 |
| 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |

Table of Time Measure

| | | |
|------------|---|------------------|
| 60 seconds | = | 1 minute |
| 60 minutes | = | 1 hour |
| 24 hours | = | 1 day |
| 7 days | = | 1 week |
| 30 days | = | 1 calendar month |
| 12 months | = | 1 year |
| 365 days | = | 1 common year |
| 366 days | = | 1 leap year |
| 100 years | = | 1 century |

Table of Length

| | | |
|-------------------|---|--------------------|
| 1 meter (m) | = | 1,000 mm (100 cm.) |
| 1 millimeter (mm) | = | 0.001 m |
| 1 centimeter (cm) | = | 0.01 m |
| 1 decimeter (dm) | = | 0.1 m |
| 1 decameter (dkm) | = | 10 m |
| 1 hectometer (hm) | = | 100 m |
| 1 kilometer (km) | = | 1,000 m |

Table of Paper Measure

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

Table of Weight

| | | | | |
|------------------|---|--------|---|----------|
| 1 gram (g) | = | 100 cg | = | 1,000 mg |
| 1 milligram (mg) | = | | = | 0.001 g |
| 1 centigram (cg) | = | | = | 0.01 g |
| 1 decigram (dg) | = | | = | 0.1 g |
| 1 decagram (dkg) | = | | = | 10 g |
| 1 hectogram (hg) | = | | = | 100 g |
| 1 kilogram (kg) | = | | = | 1,000 g |

