

2007 PUNALUU 2010
 June 20, 07
 COMPOSITION
 NOVEMBER 15, 07
 APRIL 17, 2008
 10-29-09
 OFFICIAL® 100 sheets • 200 pages
 9¾ x 7½ in / 24.7 x 19.0 cm
 wide ruled • 09918
 JULY 23, 2008
 SEPT 25-27, 2008 25TH YEAR CELEBRATION
 MARCH 12, 2009
 BALAZS



Kauila - mystical sea turtle of Punaluu
 Painting by H. Kawainui Kane

2 of 3

Keoki Balazs
 Honu Scientist
 October 29, 09
 JUNE 30, 2010



CONTACT: Julian Christopher
 Bryce Edwards

MTRP ID DATE: 7/23/08

LOCATION: Punaluu, Hawaii

see also page 85

PERSON RECORDING DATA: _____

NECROPSY BY: _____

DESCRIPTIVE REMARKS:
 Turtle found @ 1400 during the turtle tagging
 event at Punaluu. Turtle was decided to remain
 at turtle due to numerous external tumors
 & tumors in mouth. Taken to Hilo & shipped to
 Honolulu @ 2230h. P/U By us with 7/24/08 & taken
 to Haleakala.

PRE-NECROPSY:

NECROPSY:
 Decomposition: Fresh Mild Moderate Advanced
 Body Condition: Excellent Good Fair Fair
 GIT Fill: 40% Crop Fill 20%
 2x Glottal Tumors 1cm & 3cm. No internal tumors
 found

EU? N Y ^{+1cc} 15 cc's Time: 9:50A Cause of Stranding: _____

TUMOR SCORE:

ORAL TUMORS EXT: Y

EMACIATION:

TAGS:

MT#:

SPECIES: CU

SEX: Male, Female, or Undetermined:

STRAIGHT CARAPACE LENGTH: 63.7 NOTCH LENGTH: 63.0 DB: 6 VB: 6

WIDTH: 48.3 HEAD WIDTH: 9.7

CURVED CARAPACE LENGTH: ~~60.5~~ 67.5 RIGHT FRONT FLIPPER WIDTH: 10.4

WIDTH: 60.0 TAIL LENGTH: T: 14.5 C: 10

PLASTRON LENGTH: 51.3 AXIAL:

WEIGHT: 72.4 LATERAL: 23.5, 22, 18.9 PPS (Y/N): Y

SAMPLES COLLECTED (Y/N):

BLOOD: N FORESTOMACH CONTENTS: Y PHOTOS: N

HUMERI: Y SKIN IN SALINE: Y OTHER: _____

51.9
9.5
72.4

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Marine Turtle Research
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THOMAS'S TURTLE RESEARCH
UP AT NIGHT FOR MONTHS

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 9/27/08

(12)

CAPTURE DATE, LOCATION AND METHOD:

9/27/08 Punalu'u Hand Snatched Danielle

PERSON RECORDING DATA:

OLD TAGS:

RFI	
LFL	

NEW TAGS:

4709636F20



467C352C7C

TUMOR SCORE

0

ORAL TISSUE EXT.

YES OR NO

-

EMACIATION CODE

0

STRAIGHT CARAPACE - LENGTH:

46.0 cm

46.0 cm

35.9 cm

35.9 cm

NOTCH LENGTH:

46.0 cm

46.0 cm

43.0 cm

43.0 cm

CURVED CARAPACE LENGTH:

48.5 cm

48.5 cm

42 cm

42 cm

HEAD WIDTH:

43.8 cm

43.8 cm

17.9 cm

17.9 cm

SEX: YES OR NO OR NE

-

13.8 cm

13.8 cm

17.9 cm

17.9 cm

TAIL LENGTH: T

-

-

-

-

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

36.7 cm

36.7 cm

36.7 cm

36.7 cm

PLASTRON LENGTH:

31.0 #

31.0 #

31.0 #

31.0 #

WEIGHT:

DESCRIPTIVE REMARKS:

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THOMAS'S TURTLE RESEARCH
UP AT NIGHT FOR MONTHS

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT

(13)

CAPTURE DATE, LOCATION AND METHOD:

9/27/08 Punalu'u Hand Snatched Danielle

PERSON RECORDING DATA:

OLD TAGS:

RFI	
LFL	

NEW TAGS:

RFI	
LFL	

TUMOR SCORE

0

ORAL TISSUE EXT.

YES OR NO

-

EMACIATION CODE

0

STRAIGHT CARAPACE - LENGTH:

65.3 cm

65.3 cm

51.6 cm

51.6 cm

NOTCH LENGTH:

65.3 cm

65.3 cm

0 L.O.

0 L.O.

CURVED CARAPACE LENGTH:

70.0 cm

70.0 cm

65.0 cm

65.0 cm

HEAD WIDTH:

70.0 cm

70.0 cm

27.8 cm

27.8 cm

SEX: YES OR NO OR NE

-

20.3

20.3

24

24

TAIL LENGTH: T

-

-

-

-

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

50.2 cm

50.2 cm

50.2 cm

50.2 cm

PLASTRON LENGTH:

88.5 #

88.5 #

88.5 #

88.5 #

WEIGHT:

DESCRIPTIVE REMARKS:

MONTHLY Red filament
for Transand

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT: / /
CAPTURE DATE, LOCATION AND METHOD: 9/27/08 Punaluu Hand Sorker Capture

14
END
9/27/08
9/27/08

PERSON RECORDING DATA:
TUMOR SCORE: 0
ORAL TISSUE EXT. YES OR NO: /
EMACIATION CODE: 0

NEW TAGS:
RFL: /
LFL: /

STRAIGHT CARAPACE - LENGTH: 40.9 cm
WIDTH: 38.6 cm
NOTCH LENGTH: /
L.O.: /
CURVED CARAPACE LENGTH: 44.0 cm
DB: /
L.O.: /
HEAD WIDTH: 7.4 cm
VB: /
PIS: YES OR NO OR NE: N
L3: 12.7
C: 5.0
TAIL LENGTH: T 8.5 cm
RIGHT FRONT FLIPPER WIDTH: 7.2 cm
PLASTRON LENGTH: 33.9 cm
WEIGHT: 24.5

SEX: Male, Female or Undetermined
SAMPLES COLLECTED: Tissue Sample R Hind
GTO TRISANNE

DESCRIPTIVE REMARKS:

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT: / /
CAPTURE DATE, LOCATION AND METHOD: 9/27/08 Punaluu Hand Sorker Capture

17
END
9/27/08
9/27/08

PERSON RECORDING DATA:
TUMOR SCORE: /
ORAL TISSUE EXT. YES OR NO: /
EMACIATION CODE: /

NEW TAGS:
RFL: /
LFL: /

STRAIGHT CARAPACE - LENGTH: / cm
WIDTH: / cm
NOTCH LENGTH: / cm
L.O.: /
CURVED CARAPACE LENGTH: / cm
DB: / cm
L.O.: / cm
HEAD WIDTH: / cm
VB: / cm
PIS: YES OR NO OR NE: /
TAIL LENGTH: T / cm
RIGHT FRONT FLIPPER WIDTH: / cm
PLASTRON LENGTH: / cm
WEIGHT: / g

SEX: Male, Female or Undetermined
SAMPLES COLLECTED: /

DESCRIPTIVE REMARKS:

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Revised 08/21/07

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From page 58

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/30/10

CAPTURE DATE, LOCATION AND METHOD:

Ruralu'a	Hand Snorkel
PERSON RECORDING DATA: Danielle Woodward	

TUMOR SCORE <input type="checkbox"/>	OLD TAGS: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NEW TAGS: RH 485013351E # RH 483A03555F
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>		
EMACIATION CODE <input type="checkbox"/>	MT#	

STRAIGHT CARAPACE - LENGTH: 53.5 cm WIDTH: 41.9 cm

NOTCH LENGTH: 53.2 cm DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 58.0 cm WIDTH: 50.5 cm

HEAD WIDTH: cm LATERAL1: cm LATERAL2: cm

PPS: YES OR NO OR NE 4 LATERAL3: cm SEX: Male, Female^J or Undetermined

TAIL LENGTH: T 11.5 cm C 8.0 cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: 42.7 cm

WEIGHT: 48 #

DESCRIPTIVE REMARKS:

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(7)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/23/10

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Hand Snorkel
PERSON RECORDING DATA: Megan Hess

TUMOR SCORE

ORAL TAGS EXT:
YES OR NO

EMACIATION CODE

NEW TAGS:

RFL
LFL
445268532A
4454736100

STRAIGHT CARAPACE - LENGTH:

NOTCH LENGTH: 54.0 cm

CURVED CARAPACE LENGTH:

HEAD WIDTH: cm

PPS: YES OR NO OR NE

TAIL LENGTH: T 43.0 cm

RIGHT FRONT FLAPPER WIDTH:

PLASTRON LENGTH:

WEIGHT: 51.5 g

DESCRIPTIVE REMARKS:

TUMOR SCORE

ORAL TAGS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

LH
AH

STRAIGHT CARAPACE - LENGTH:

NOTCH LENGTH: 40.5 cm

CURVED CARAPACE LENGTH:

HEAD WIDTH: cm

PPS: YES OR NO OR NE

TAIL LENGTH: T 9.0 cm

RIGHT FRONT FLAPPER WIDTH:

PLASTRON LENGTH: 31.7 cm

WEIGHT: 24.5 g

DESCRIPTIVE REMARKS:

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(8)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/30/10

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Hand Snorkel
PERSON RECORDING DATA: Megan Hess

TUMOR SCORE

ORAL TAGS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

LH
AH

STRAIGHT CARAPACE - LENGTH:

NOTCH LENGTH: 40.6 cm

CURVED CARAPACE LENGTH:

HEAD WIDTH: cm

PPS: YES OR NO OR NE

TAIL LENGTH: T 9.0 cm

RIGHT FRONT FLAPPER WIDTH:

PLASTRON LENGTH: 31.7 cm

WEIGHT: 24.5 g

DESCRIPTIVE REMARKS:

New Tags
4852215E5E

48510B1461

WIDTH: 32.6 cm

DB: cm

WIDTH: 38.5 cm

AXIAL: cm

SEX: Male, Female or Undetermined

SAMPLES COLLECTED: C 6.0 cm

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+81-90-5827-0288 Yuka
+81-90-9692-9129 Masa
(my husband)

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TO PAGE
29

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/30/10

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Hand Snorkel
PERSON RECORDING DATA: Megan Hess

TUMOR SCORE:

ORAL TISSUE EXT: YES OR NO:

EMACIATION CODE:

NEW TAGS:
483E0A0547
LH
RH
48534F3E0A

STRAIGHT CARAPACE - LENGTH: 52.6 cm

NOTCH LENGTH: 52.5 cm

CURVED CARAPACE LENGTH: 57.0 cm

HEAD WIDTH: cm

PFS: YES OR NO OR NE:

TAIL LENGTH: T 16.5 cm

RIGHT FRONT FLAPPER WIDTH: 14.4 cm

PLASTRON LENGTH: 46.0 #

WIDTH: 44.0 cm

VB: cm

WIDHTH: 50.5 cm

LATERAL: cm

AXIAL: cm

SEX: Male, Female or Undetermined:

SAMPLES COLLECTED: cm

DATE FORM FILLED OUT 6/30/10

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Hand Snorkel
PERSON RECORDING DATA:

TUMOR SCORE:

ORAL TISSUE EXT: YES OR NO:

EMACIATION CODE:

NEW TAGS:
45274E2974
452968081E
R-67

STRAIGHT CARAPACE - LENGTH: 65.0 cm

NOTCH LENGTH: 65.0 cm

CURVED CARAPACE LENGTH: 70.0 cm

HEAD WIDTH: cm

PFS: YES OR NO OR NE:

TAIL LENGTH: T 14.0 cm

RIGHT FRONT FLAPPER WIDTH: 50.4 cm

PLASTRON LENGTH: 73.0 #

WIDTH: 51.5 cm

VB: cm

WIDHTH: 63.0 cm

LATERAL: cm

AXIAL: cm

SEX: Male, Female or Undetermined:

SAMPLES COLLECTED: cm

099 : AVID046075355

DESCRIPTIVE REMARKS:

DESCRIPTIVE REMARKS:

from page 79 - see

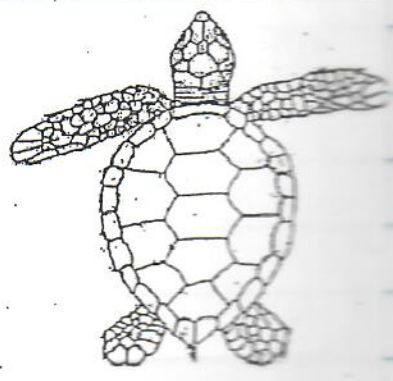
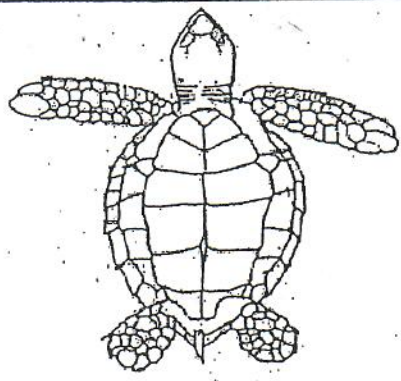
LOCATION, SIZE, AND NUMBER OF TUMORS

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

ORAL TUMORS VISIBLE EXTERNALLY: YES OR NO YES NO

TUMOR SCORE:

OTHER INFORMATION:
1cm
3cm G1othel Tumor



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From Dawn & Paul

Merry Christmas
&
Happy New Year

With much love to all,
Dawn & Paul
Xmas 2009



new address:

Ms. Dawn M. Patterson
HC3 Box 5644 11087
Keeau HI 96749-5401



Hope all is well with you - miss you
I have email dawnaneta1@aol.com

Attached
TDR 4/17/08
(See Page 50)
= 5¹/₂ MONTHS

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SEA TURTLE TAGGING FORM

Sunday
Punaluu 9/27/08 (87)
START

Catch ①

DATE FORM FILLED OUT 9/27/08

CAPTURE DATE, LOCATION AND METHOD:

Sunday 9/27/08 Punaluu

PERSON RECORDING DATA: Danielle Woodward

Removed ^{sent} to MARC Rice
A TDR 3 Lat ①

TUMOR SCORE 0 <input type="checkbox"/>	OLD TAGS: 42382A7723	NEW TAGS: RHF <input type="checkbox"/>
ORAL TMRS EXT: YES OR NO - <input type="checkbox"/>	4236680F55	LHF <input type="checkbox"/>
EMACIATION CODE 0 <input type="checkbox"/>	161 Z	
MT#	160 Z	

STRAIGHT CARAPACE - LENGTH:

~~46.5~~ 61.3 ^{+2.0cm} cm

WIDTH: 48.2 cm

NOTCH LENGTH: cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

65.0 cm

WIDTH: 58.0 cm

HEAD WIDTH: cm

LATERAL1: 24.2 cm

LATERAL2: 21.6 cm

PPS: YES OR NO OR NE

LATERAL3: 17.4 cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T cm

C cm

SPECIES: Cm

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: 46.5 cm

WEIGHT: 71.0 #

DESCRIPTIVE REMARKS:

3 lbs

SKIN BIOPSY + L Hind +
STOMACH FLUSH TO
TRISAN

88

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SEA TURTLE TAGGING FORM

2

DATE FORM FILLED OUT 9/27/08

CAPTURE DATE, LOCATION AND METHOD:

9/27/08 Punalu'u Hand SNORKEL

PERSON RECORDING DATA: Danielle

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

445221A69

445423767E

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

54.4 cm

WIDTH: 45.0 cm

NOTCH LENGTH: 54.2 cm

DB: - L.O.

VB: - L.O.

CURVED CARAPACE LENGTH:

58.0 cm

WIDTH: 55.0

HEAD WIDTH: - cm

LATERAL1: 22.4 cm

LATERAL2: 19.8 cm

PPS: YES OR NO OR NE -

LATERAL3: 15.9 cm

SEX: Male, Female or Undetermined H

TAIL LENGTH: T - cm

C - cm

SPECIES: Cm

RIGHT FRONT FLIPPER WIDTH: - cm

PLASTRON LENGTH: 43.6 cm

WEIGHT: 49.5 #

DESCRIPTIVE REMARKS:

Blind in (R) eye
Heavy film Clouded Region

INJURY TO
3rd central beaded

(L) eye posterior corner slight cloudy

(SKIN sample L Hind
Stomach Pump to
Trisane)

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SEA TURTLE TAGGING FORM

3

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

9/27/08 Punalu'u Hand SNORKEL
PERSON RECORDING DATA: Danielle

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

MT#

OLD TAGS:

470A3B293E

470C224 DSA

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

60.3 cm

WIDTH:

48.6 cm

NOTCH LENGTH:

59.9 cm

DB:

- L.O.

VB:

- L.O.

CURVED CARAPACE LENGTH:

65.5 cm

WIDTH:

59.0 cm

HEAD WIDTH:

- cm

LATERAL1:

26.7 cm

LATERAL2:

23.7 cm

PPS: YES OR NO OR NE

-

LATERAL3:

19.8 cm

SEX: Male, Female
or Undetermined

F

TAIL LENGTH: T

- cm

C

- cm

SPECIES:

EM

RIGHT FRONT FLIPPER WIDTH:

- cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

49.1 cm

WEIGHT:

73.0 #

DESCRIPTIVE REMARKS:

Abundant in area

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SEA TURTLE TAGGING FORM

(4)

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

9/27/08 Punalu'u Hand SNORKEL

PERSON RECORDING DATA: Danielle

TUMOR SCORE	OLD TAGS: 407A40351C	NEW TAGS:
<input checked="" type="checkbox"/>	4529 2D5D4E	RHF
ORAL TMRS EXT: YES OR NO	4135 116B16	LHF
<input type="checkbox"/>	F-13	
EMACIATION CODE	F-12	
<input checked="" type="checkbox"/>		
MT#		

STRAIGHT CARAPACE - LENGTH: 72.4 cm WIDTH: 54.1 cm

NOTCH LENGTH: 71.9 cm DB: — L.O. VB: — L.O.

CURVED CARAPACE LENGTH: 77.5 cm WIDTH: 67.5 cm

HEAD WIDTH: — cm LATERAL1: 26.9 cm LATERAL2: 24.5 cm

PPS: YES OR NO OR NE — LATERAL3: 20.9 cm SEX: Male, Female or Undetermined

TAIL LENGTH: T — cm C — cm SPECIES: GM

RIGHT FRONT FLIPPER WIDTH: — cm SAMPLES COLLECTED:

PLASTRON LENGTH: 55.7 cm Tissue Biopsy L Hind

WEIGHT: 101.5 # TRISANN BAMBICO

DESCRIPTIVE REMARKS: Red filaments in mouth given to Trisann

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SEA TURTLE TAGGING FORM

5

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

9/27/08 Punalu'u Hand Capture ^{SPOKEL}

PERSON RECORDING DATA: Danielle

TUMOR SCORE: 0
ORAL TMRS EXT: YES OR NO: -
EMACIATION CODE: 0
OLD TAGS:
NEW TAGS: RHF: 470B2A620A
LHF: 47096A0171
MT#

STRAIGHT CARAPACE - LENGTH: 62.7 cm WIDTH: 50.6 cm
NOTCH LENGTH: 62.7 cm DB: - L.O. VB: - L.O.
CURVED CARAPACE LENGTH: 67.5 cm WIDTH: 60.5 cm
HEAD WIDTH: 10.2 cm LATERAL1: 25.4 cm LATERAL2: 22.7 cm
PPS: YES OR NO OR NE: - LATERAL3: 18.6 cm SEX: Male, Female or Undetermined: U
TAIL LENGTH: T: - cm C: - cm SPECIES: EM
RIGHT FRONT FLIPPER WIDTH: - cm
PLASTRON LENGTH: 50.9 cm
WEIGHT: 76.0 #

SAMPLES COLLECTED:
MOUTH Red filament to Tressard
SKIN Biopsy to Tressard

DESCRIPTIVE REMARKS:

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SEA TURTLE TAGGING FORM

6

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

9/27/08	Punalu'u	Hand SNORKEL Capture
PERSON RECORDING DATA: Danielle		

TUMOR SCORE <input type="checkbox"/>	OLD TAGS: Q225 Q251	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>	40773C4345	RHF
EMACIATION CODE <input type="checkbox"/>	424 D786F56	LHF
MT#	4070386103	
	Q-223 Q224	

STRAIGHT CARAPACE - LENGTH:	69.9 cm	WIDTH:	53.6 cm
NOTCH LENGTH:	69.7 cm	DB:	— L.O.
CURVED CARAPACE LENGTH:	74.5 cm	VB:	— L.O.
HEAD WIDTH:	— cm	LATERAL1:	28.4 cm
PPS: YES OR NO OR NE	—	LATERAL2:	25.9 cm
LATERAL3:	21.7 cm	SEX: Male, Female or Undetermined	<input checked="" type="checkbox"/>
TAIL LENGTH: T	— cm	C	— cm
RIGHT FRONT FLIPPER WIDTH:	— cm	SPECIES:	Em
PLASTRON LENGTH:	54.1 cm	SAMPLES COLLECTED:	Mouth Red Filament to Tissue Right Hind
WEIGHT:	102.0 #		

DESCRIPTIVE REMARKS:

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SEA TURTLE TAGGING FORM

7

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

9/27/08	SUNDAY	Panalu'a	Hand SNORKEL Capture
PERSON RECORDING DATA: Danielle			

TUMOR SCORE <input type="checkbox"/> 0	OLD TAGS: 424 D507C7F5	NEW TAGS: RHF
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> -	K-499, K500	LHF
EMACIATION CODE <input type="checkbox"/> 0	435 B506113	
MT#	K-498, K497	

STRAIGHT CARAPACE - LENGTH: 64.6 cm	WIDTH: - cm
NOTCH LENGTH: - cm	DB: - L.O. VB: - L.O.
CURVED CARAPACE LENGTH: 71.0 cm	WIDTH: - cm
HEAD WIDTH: - cm	LATERAL1: - cm LATERAL2: - cm
PPS: YES OR NO OR NE -	LATERAL3: - cm SEX: Male, Female or Undetermined <input checked="" type="checkbox"/>
TAIL LENGTH: T - cm	C - cm SPECIES: CHA
RIGHT FRONT FLIPPER WIDTH: - cm	SAMPLES COLLECTED: Mouth Red filament to Tarsus Tissue R Hind
PLASTRON LENGTH: 51.1 cm	
WEIGHT: 69.0 #	

DESCRIPTIVE REMARKS: Severe OLD INJURIES
Abundant to Marginals - BOTH
Healed L & R

9/27/08
NOAA
Aunt
picture - student
Melissa Van Der Merwe
merwe@hawaii.edu
- 1642 Kinohi St, HI Hilo 96720

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(760)532-1066

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

9/27/08	Punalu'u	Hand SNORKEL
PERSON RECORDING DATA: Danielle		Capture

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

4237035516

422077001A

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

65.4 cm

WIDTH: 53.5 cm

NOTCH LENGTH: 65.1 cm

DB: - L.O.

VB: - L.O.

CURVED CARAPACE LENGTH:

70.0 cm

WIDTH: 66.0 cm

HEAD WIDTH: - cm

LATERAL1: 27.4 cm

LATERAL2: 24.5 cm

PPS: YES OR NO OR NE -

LATERAL3: 20.0 cm

SEX: Male, Female or Undetermined 0

TAIL LENGTH: T - cm

C - cm

SPECIES: Em

RIGHT FRONT FLIPPER WIDTH: - cm

PLASTRON LENGTH: 53.1 cm

WEIGHT: 86.5 #

DESCRIPTIVE REMARKS:

Healed injury 4th lat (L)

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9

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

9/27/08	Punalu'a	Hand SNORKEL Capture
PERSON RECORDING DATA: Danielle		

TUMOR SCORE <input checked="" type="checkbox"/>	OLD TAGS: R-80, B-337	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>	413640492B	RHF
	424 D0B6832	LHF
EMACIATION CODE <input checked="" type="checkbox"/>	413574567A	
	R-78, R-79	
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 SPECIES:
 SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: cm

WEIGHT: #

TO RISA ANNE
MOUTH Red Filament 4 Tristernal
Tissue R Hind

DESCRIPTIVE REMARKS:

Flipper
R Front DORSALS well ~ 5 cm diameter
healed likely bone

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

9/27/08 Punala'u Handsnorkel
 Capture
 PERSON RECORDING DATA: Danielle

TUMOR SCORE 0
 ORAL TMRS EXT: YES OR NO -
 EMACIATION CODE 0
 OLD TAGS: B-436 B439
 4235007511
 4136426109
 4136227864
 B-437, B-436 B438
 NEW TAGS:
 RHF
 LHF
 MT#

STRAIGHT CARAPACE - LENGTH: 61.4 ~~57.4~~ cm WIDTH: 46.7 cm
 NOTCH LENGTH: 60.9 cm DB: - L.O. VB: - L.O.
 CURVED CARAPACE LENGTH: 65.0 cm WIDTH: 60.5 cm
 HEAD WIDTH: - cm LATERAL1: 24.2 cm LATERAL2: 21.9 cm
 PPS: YES OR NO OR NE - LATERAL3: 18.3 cm SEX: Male, Female or Undetermined U
 TAIL LENGTH: T - cm C - cm SPECIES: Em
 RIGHT FRONT FLIPPER WIDTH: - cm SAMPLES COLLECTED: Red Filament Mouth
 PLASTRON LENGTH: 49.2 cm Tissue Sample L Hind
 WEIGHT: 68.0 lbs

DESCRIPTIVE REMARKS:

TOTRIS AUNT
 BAMBIEO

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SEA TURTLE TAGGING FORM

CONTINUED
Page 80
9/27/08
Sunday
2:29 PM

(11)

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

9/27/08 ^{Sunday} Punalu'u Hand SNORKEL Capture
PERSON RECORDING DATA: Danielle

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="text" value="0"/>	42364E1B40	RHF
ORAL TMRS EXT: YES OR NO	423234406D	LHF
<input type="text" value="—"/>		
EMACIATION CODE		
<input type="text" value="0"/>		
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 SPECIES:

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED: Stomach Sample for Tissue Sample LH # for ISOTOPIC

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:



WILLIAM ING/Tribune

Lisa Koda, a visitor from California, feeds tufts of grass to a pair of green sea turtles that were interacting with swimmers Tuesday in a sheltered lagoon at Carlsmith Beach Park. Koda was following the lead of other swimmers who were offering grass to the honu. During the half hour or so she was in the water, Koda and her two acquaintances were joined by a third green turtle, and one of the turtles nipped her on the abdomen without causing any bleeding.

11/11/08
Lisa Koda

1/30/09 HTH

Too close to honu

Turtle feeding, petting reported at Keaukaha beach

By **BRET YAGER**
Tribune-Herald staff writer

Call it harassment or too much love; either way, it isn't the pono way to hang with the sea turtles.

At Carlsmith Beach Park in Keaukaha, people are feeding handfuls of grass to the green sea turtles, swimming with them, nuzzling up to them. Even getting nipped by them.

Two honu in-particular have gotten so used to handouts of fresh grass they come swimming whenever they see people approach, said resident Tonia Jordan, who lives in the adjacent Mauna

Loa Shores condominiums and visits the sheltered lagoon area daily.

"We'd like to have it where the tourists and everyone else can enjoy the turtles. It's just that they feed them, and the turtles are starting to nip at them," said Jordan, who said there needs to be a clear sign near the shoreline pointing out the activity is prohibited.

Green sea turtle populations have been slowly declining worldwide for decades. Since 1973, they have been protected under the federal Endangered Species Act. They are considered threatened — defined as "any species which

is likely to become an endangered species within the foreseeable future."

The interaction is not only illegal, but it's bad for the turtles. Grass is not a natural food source and it can affect their metabolism and the functioning of their digestive systems. Also, they can become dependent on people for food, reducing their ability to forage in the wild. "The turtles swim up, looking for food, and they follow you around. It's gotten out of hand," said park user Mapuana Peterson, who is trying to

See **TURTLES** Page A10

TURTLES From front page

organize volunteers from Mauna Loa Shores to mount an information campaign for the folks who come down to the park.

In the past month or so, turtles have gathered in crowds around the steps leading into the water at the park, and so have the people, she said.

"Our hope is to educate the public so we're not putting the honu at risk," she said.

Last week, she observed three green sea turtles at the stairs with people feed-

ing them grass. Other turtles soon gathered around for the feast.

"By five o'clock, there were 10 turtles and people were still petting and feeding them," she said.

Jordan even watched one man use a bundle of grass tied to a rope to lure a turtle right out of the water.

That kind of activity is out of line, said John Kahiapo, a Department of Land and Natural Resources education specialist who was astonished to hear the news.

"They're a threatened species, so you're not supposed to get close to them or harass them, and that would be a form of harassment," Kahiapo said. "And you're not supposed to feed any form of marine life."

Adult green sea turtles are herbivores, meaning they eat only plants, but juvenile green sea turtles are carnivorous. Their diet consists of jellyfish and other invertebrates.

Kahiapo said he'd inform DLNR rangers and ask them to keep an eye on the area.

People who see someone feeding turtles can advise them of the law. In East Hawaii, they can also call 327-7780, 969-5067 or 327-7795. On weekends, holidays, and after hours, they can call the state Division of Conservation and Resources Enforcement at 643-3567.

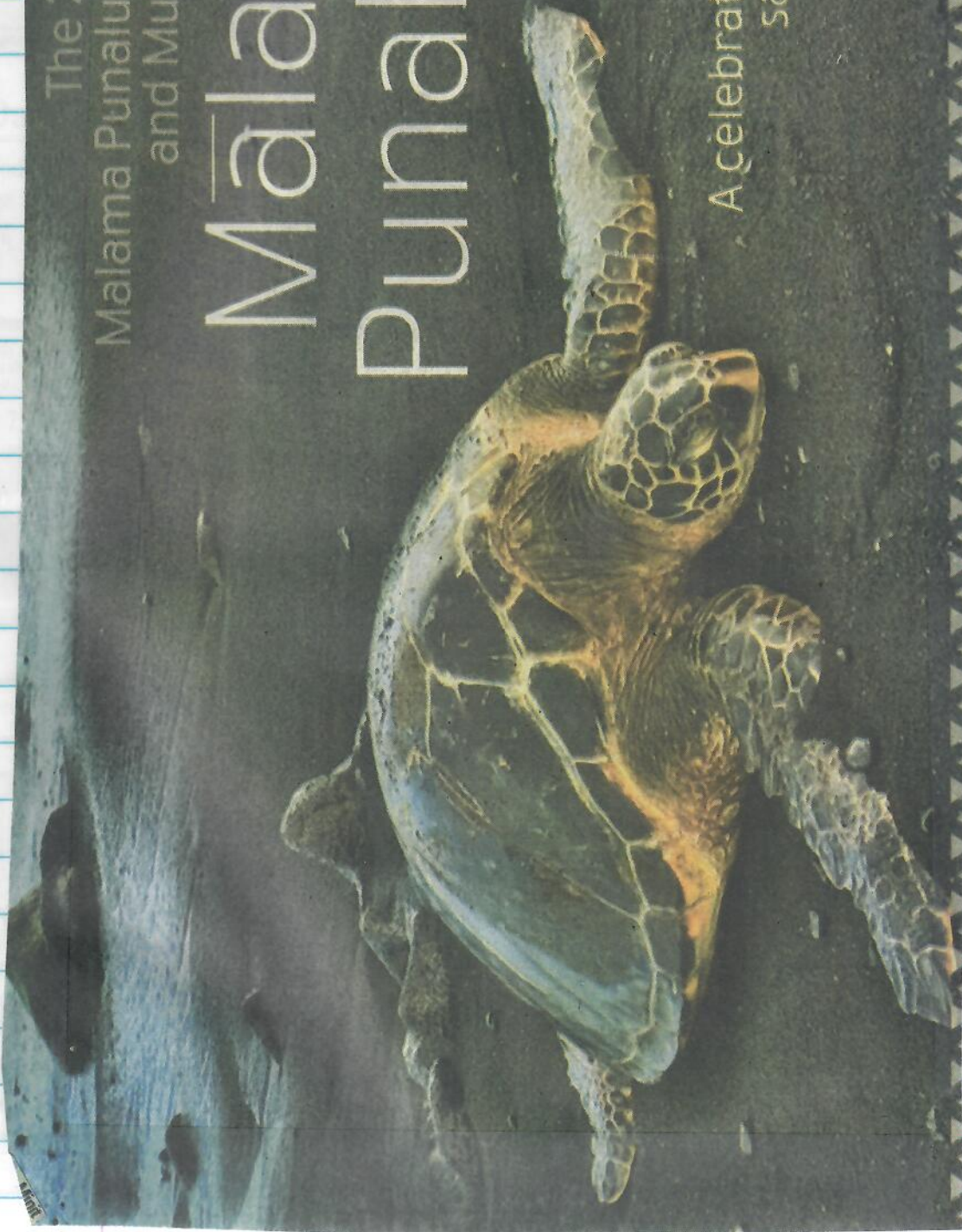
For violations such as killing, harming or harassing a turtle, people can call the Enforcement Division of the National Marine Fisheries Service at 961-7291.

E-mail Bret Yager at byager@hawaii.tribune-herald.com

The 2nd Annual
Malama Punalu'u Cultural
and Music Festival

Mālama Punalu'u

A celebration for our
sacred lands
p14



Punaluu 3/12/09
START

101

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①

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/12/09

CAPTURE DATE, LOCATION AND METHOD:

3/12/09 THURSDAY Punaluu
HAND
~~HEAD STROKE~~
Pond Behind Pavilion

PERSON RECORDING DATA:

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

4452374015

H195 J412

H196

4452D197B

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

67.9 cm

WIDTH:

54.3 cm

NOTCH LENGTH:

67.7 cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

73.5 cm

WIDTH:

68.0 cm

HEAD WIDTH:

cm

LATERAL1:

26.4 cm

LATERAL2:

23.5 cm

PPS: YES OR NO OR NE

LATERAL3:

19.8 cm

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

TOTAL length
cm

C

closest length
cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

52.1 cm

WEIGHT:

97.5 #

DESCRIPTIVE REMARKS:

R Hind flipper has old healed constriction
↳ most likely line
from

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SEA TURTLE TAGGING FORM

2

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

3/12/09 PUNALUU Hand Snorkel

PERSON RECORDING DATA: Danielle Woodward

TUMOR SCORE <input type="radio"/>	OLD TAGS: 423E16304F	NEW TAGS: RHF
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>	407A4A237C	LHF
EMACIATION CODE <input type="radio"/>	R-91 R-90	
MT#	K-592 R-92	

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

PLASTRON LENGTH: cm

WEIGHT: #

SAMPLES COLLECTED:
Algae sample from mouth

DESCRIPTIVE REMARKS:
Flat plastron

terachelid
P. c. sp. 12/09
Mouth sample taken TRISANK
ZMB BAMBE

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SEA TURTLE TAGGING FORM

3

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

3/12/09 Punaluu Hand snatched

PERSON RECORDING DATA: Danielle Woodward

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

Q223 Q224
Q225 Q251
4077 3C4345
424 D786 F56
407D386103

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

89.6 cm

WIDTH:

~~54.2~~ cm

NOTCH LENGTH:

69.6 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

84.5 cm

WIDTH:

~~84.0~~ cm

HEAD WIDTH:

- cm

LATERAL1:

76.8 cm

LATERAL2:

24.3 cm

PPS: YES OR NO OR NE

LATERAL3:

20.4 cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH:

T 16.5 cm

C

11.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

54.3 cm

WEIGHT:

99.0 #

DESCRIPTIVE REMARKS:

Injure
Abdomen

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

3/12/09 Hand SNORKEL PUNAHOU

PERSON RECORDING DATA:

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="radio"/>	413E147ES0	RHF
ORAL TMRS EXT: YES OR NO	4527295525	LHF
<input type="checkbox"/>	407A546D38	
EMACIATION CODE	8927 (made in to ring) 8923 (made into a ring)	
<input type="radio"/>	MT# K583 V523	

STRAIGHT CARAPACE - LENGTH: 73.9 cm WIDTH: 55.5 cm

NOTCH LENGTH: 73.7 cm DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 78.0 cm WIDTH: 70.0 cm

HEAD WIDTH: cm LATERAL1: 26.3 cm LATERAL2: 24.9 cm

PPS: YES OR NO OR NE cm LATERAL3: 21.1 cm SEX: Male, Female or Undetermined M

TAIL LENGTH: T 33.4 cm C 24.0 cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED: Algae Sample from

PLASTRON LENGTH: 57.9 cm Mouth

WEIGHT: 109.0 # TOTRISANA BANBIBO

DESCRIPTIVE REMARKS:
R Front metal tag made into a ring
Flat plastron
Mouth sample taken.

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

3/12/09	Punalu'u	Hand Snorkel
PERSON RECORDING DATA: Danielle Woodward		

TUMOR SCORE <input type="radio"/>	OLD TAGS: 443A1D0521	NEW TAGS: RHF
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>	4077582F19	LHF
EMACIATION CODE <input type="radio"/>	4077496B02	
MT#	0594 Q596	
	Q597	

STRAIGHT CARAPACE - LENGTH:	67.5 cm	WIDTH:	52.5 cm
NOTCH LENGTH:	67.5 cm	DB:	<input type="radio"/> L.O.
CURVED CARAPACE LENGTH:	72.0 cm	VB:	<input type="radio"/> L.O.
HEAD WIDTH:	<input type="checkbox"/> cm	LATERAL1:	27.2 cm
PPS: YES OR NO OR NE	<input type="checkbox"/>	LATERAL2:	23.9 cm
TAIL LENGTH: T	16.5 cm	LATERAL3:	20.3 cm
		C	11.5 cm

RIGHT FRONT FLIPPER WIDTH:	<input type="checkbox"/> cm	SAMPLES COLLECTED:
PLASTRON LENGTH:	52.0 cm	Algae sample from mouth
WEIGHT:	94.0 #	

DESCRIPTIVE REMARKS:

mouth sample taken

TO TRISAN BAMBICO

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3 12 09

CAPTURE DATE, LOCATION AND METHOD:

Punalu'u	Hand Capture Snorkel
PERSON RECORDING DATA: Danielle Woodward	

TUMOR SCORE <input type="radio"/>	OLD TAGS: 470B2A6 20A 47096A 0171	NEW TAGS: RHF LHF
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>		
EMACIATION CODE <input type="radio"/>	MT#	

STRAIGHT CARAPACE - LENGTH: 62.8 cm	WIDTH: 50.7 cm
NOTCH LENGTH: 62.8 cm	DB: <input type="radio"/> L.O. VB: <input type="radio"/> L.O.
CURVED CARAPACE LENGTH: 67.0 cm	WIDTH: 61.0 cm
HEAD WIDTH: <input type="checkbox"/> cm	LATERAL1: 25.4 cm LATERAL2: 22.7 cm
PPS: YES OR NO OR NE <input type="checkbox"/>	LATERAL3: 18.9 cm SEX: Male, Female or Undetermined <input checked="" type="checkbox"/>
TAIL LENGTH: T 15.0 cm C 11.0 cm	
RIGHT FRONT FLIPPER WIDTH: <input type="checkbox"/> cm	SAMPLES COLLECTED: Algae sample from mouth
PLASTRON LENGTH: 50.7 cm	
WEIGHT: 77.0 #	

DESCRIPTIVE REMARKS:

mouth sample taken TMB Ambico

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/12/09

CAPTURE DATE, LOCATION AND METHOD:

3/12/09	Punalu'u Hand saorkel
PERSON RECORDING DATA: Danielle Woodward	

TUMOR SCORE <input type="radio"/>	OLD TAGS: 422077001A 4237035516	NEW TAGS: RHF LHF
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>		
EMACIATION CODE <input type="radio"/>	MT#	

STRAIGHT CARAPACE - LENGTH: 65.9 cm	WIDTH: 53.7 cm
NOTCH LENGTH: 65.4 cm	DB: <input type="radio"/> L.O. VB: <input type="radio"/> L.O.
CURVED CARAPACE LENGTH: 70.5 cm	WIDTH: 66.5 cm
HEAD WIDTH: <input type="checkbox"/> cm	LATERAL1: 26.6 cm LATERAL2: 23.2 cm
PPS: YES OR NO OR NE <input type="checkbox"/>	LATERAL3: 18.7 cm SEX: Male, Female or Undetermined <input checked="" type="checkbox"/>
TAIL LENGTH: T 13.5 cm	C 9.5 cm
RIGHT FRONT FLIPPER WIDTH: <input type="checkbox"/> cm	SAMPLES COLLECTED: Algae sample from mouth
PLASTRON LENGTH: 53.9 cm	
WEIGHT: 86.0 #	

DESCRIPTIVE REMARKS:

Red Algae on Carapace
~~Mouth~~ sample taken

TO
GRISANN
BAMBICO

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/12/09

CAPTURE DATE, LOCATION AND METHOD:

3/12/09	Punalu'u	Hand Capture
PERSON RECORDING DATA: Danielle Woodward		Snorkel

TUMOR SCORE <input type="checkbox"/> 0	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> 1	422052140E	RHF
EMACIATION CODE <input type="checkbox"/> 0	4336002360	LHF
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:

mouth sample taken for P.C. TRISTAN BAMBICO

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

3/12/09 Punalu'u Hand Capture
Snorkle

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

4235007511

4136426109

B-436 B-438

B-437 B-439

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

61.4 cm

WIDTH: 47.2 cm

NOTCH LENGTH: 60.6 cm

DB: ϕ L.O.

VB: ϕ L.O.

CURVED CARAPACE LENGTH:

65.5 cm

WIDTH: 61.0 cm

HEAD WIDTH: — cm

LATERAL1: 23.8 cm

LATERAL2: 21.4 cm

PPS: YES OR NO OR NE —

LATERAL3: 17.4 cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T 13.0 cm

C 9.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: — cm

Algae Sample

PLASTRON LENGTH: 49.5 cm

From mouth

WEIGHT: 66.5 #

DESCRIPTIVE REMARKS:

in bedded

Squeezed with pliers
to bend into a ring
front ϕ Flipper Tag

Mouth sample taken

Pol. for
TRAVEL
BIOLOGICAL

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/12/09

CAPTURE DATE, LOCATION AND METHOD:

3/12/09 Punalu'u	Hand capture snorkel
PERSON RECORDING DATA: Julien	

TUMOR SCORE
1 ~~2~~

ORAL TUMORS EXT:
YES OR NO

OLD TAGS:

4527503879
452840606E

NEW TAGS:

RHF
LHF

EMACIATION CODE
0

MT#

STRAIGHT CARAPACE - LENGTH: 55.6 cm WIDTH: 43.2 cm

NOTCH LENGTH: 55.6 cm DB: ~~0~~ L.O. VB: ~~0~~ L.O.

CURVED CARAPACE LENGTH: 59.0 cm WIDTH: 54.0 cm

HEAD WIDTH: ~~—~~ cm LATERAL1: 22.9 cm LATERAL2: 19.9 cm

PPS: YES OR NO OR NE ~~—~~ LATERAL3: 15.9 cm SEX: Male, Female or Undetermined

TAIL LENGTH: T 11.00 cm C 7.5 cm

RIGHT FRONT FLIPPER WIDTH: ~~—~~ cm

PLASTRON LENGTH: 43.5 cm

WEIGHT: 49.5 #

SAMPLES COLLECTED:

DESCRIPTIVE REMARKS:

1 number # 2 tumor, on tongue of ~~glottis~~
mouth sample taken
P.P. TO TRIS ADV
BAM BICO

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/12/09

CAPTURE DATE, LOCATION AND METHOD:

3/12/09	Punaluu	Hand capture snorkel
PERSON RECORDING DATA: Julien		

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

4240507C7F
935B5010113
K500
499
K498
K497

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

64.2 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

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

cm

WEIGHT:

66.0 #

DESCRIPTIVE REMARKS:

Left hind missing and healed.
 " IN Mid-line of plastron,
 Battered and broken "
 Lots of old abrasion and old impact injuries

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/12/09

CAPTURE DATE, LOCATION AND METHOD:

3/12/09	Punalu'u	Hand capture
PERSON RECORDING DATA: Julien		snorkel

TUMOR SCORE <input type="text" value="0"/>	OLD TAGS: 445423707E	NEW TAGS: RHF
ORAL TMRS EXT: YES OR NO <input type="text" value="—"/>	4452212A09	LHF
EMACIATION CODE <input type="text" value="0"/>	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: #BS

DESCRIPTIVE REMARKS:

5% vision on right eye Cloudy RUGOSE
 95% vision on left eye Cloudy RUGOSE
~~MOUTH SAMPLE TB~~

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/12/09

CAPTURE DATE, LOCATION AND METHOD:

3/12/09 Punalu'u	Hand capture snorkel
PERSON RECORDING DATA: Julien	

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

470B206071

470B1F1077

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

62.1 cm

WIDTH:

48.4 cm

NOTCH LENGTH:

61.8 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

66.5 cm

WIDTH:

60.5 cm

HEAD WIDTH:

— cm

LATERAL1:

27.4 cm

LATERAL2:

24.5 cm

PPS: YES OR NO OR NE

—

LATERAL3:

18.8 cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

14.0 cm

C

9.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

49.9 cm

WEIGHT:

78.5 lbs

DESCRIPTIVE REMARKS:

Robust!

Red aloe leaf mouth sample taken

TRISANU BAMBICO

end
Punalu
3/12/09

13

13

114

STACT

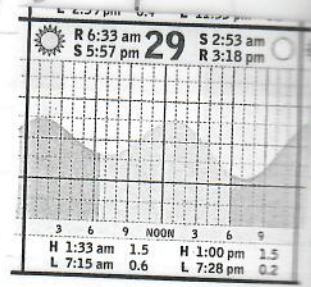
Punaluu 10-29-09

N=15

OCT 2009

Revised 08/21/07

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

40

PUNALUU CENTER BAY, HAND ~~CAPTURE~~ SNORKEL

PERSON RECORDING DATA: INH

TUMOR SCORE

0

OLD TAGS:

K499 LHF RHF ¹⁵⁰⁰
LHF NO PIT
RHF 424 D507C7F
K497 RFF
MT# K498 LFF

NEW TAGS:

[Diagonal line through box]

ORAL TMRS EXT:
YES OR NO

NO

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH:

64.5 cm

WIDTH:

46.2 cm

NOTCH LENGTH:

— cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

71.0 cm

WIDTH:

61.5 cm

HEAD WIDTH:

— cm

LATERAL1:

— cm

LATERAL2:

— cm

PPS: YES OR NO OR NE

—

LATERAL3:

— cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

— cm

WEIGHT:

68.0 lbs

DESCRIPTIVE REMARKS:

LHF INSURED healed

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SEA TURTLE TAGGING FORM

(7)

DATE FORM FILLED OUT 6/17/09

CAPTURE DATE, LOCATION AND METHOD:

PUNALUU, HAWAII CENTER BAY, HAND CAPTURE
PERSON RECORDING DATA: INH

S. W. H. O. P.

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

NO

EMACIATION CODE

0

OLD TAGS:

470B2A620A

47096A0171

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

63.1 cm

WIDTH:

51.1 cm

NOTCH LENGTH:

63.1 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

68.0 cm

WIDTH:

62.0 cm

HEAD WIDTH:

— cm

LATERAL1:

— cm

LATERAL2:

— cm

PPS: YES OR NO OR NE

—

LATERAL3:

— cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

51.2 cm

WEIGHT:

76.0 #

DESCRIPTIVE REMARKS: ALGAE IN MOUTH

PC RED FILAMENTS

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SEA TURTLE TAGGING FORM

13

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

PUNALUU, HAWAII,	HAND POLE SNORKEL
PERSON RECORDING DATA: INH	

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

MT#

OLD TAGS:

4528406D6E

4527503879

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

56.5 cm

WIDTH:

43.9 cm

NOTCH LENGTH:

56.4 cm

DB:

0

L.O.

VB:

0

L.O.

CURVED CARAPACE LENGTH:

61.5 cm

WIDTH:

55.0 cm

HEAD WIDTH:

— cm

LATERAL1:

— cm

LATERAL2:

— cm

PPS: YES OR NO OR NE

—

LATERAL3:

— cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

— cm

WEIGHT:

54.0 #

DESCRIPTIVE REMARKS:

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4

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10 29 1002

CAPTURE DATE, LOCATION AND METHOD:

PUNALOW, HAWAII, HAND ~~CAPTURED~~ SNORKEL

PERSON RECORDING DATA: MM

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

~~NO~~

EMACIATION CODE

0 ~~W~~

OLD TAGS:

422D52140E

4236002B6D

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

63.8 cm

WIDTH:

51.5 cm

NOTCH LENGTH:

63.1 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

69.0 cm

WIDTH:

62.0 cm

HEAD WIDTH:

— cm

LATERAL1:

— cm

LATERAL2:

— cm

PPS: YES OR NO OR NE

—

LATERAL3:

— cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

— cm

WEIGHT:

77.0 #

DESCRIPTIVE REMARKS:

PLASTRON
FLAT

STUDIES
 SALAMANDERS
 FWS San Francisco
 Rachel_hurt@fws.gov
 NOAA Fisheries
 Pacific Islands Fisheries Science Center
 Marine Turtle Research Program
 2570 Dole Street
 Honolulu, HI 96822-2396

Here on
 Abigail Moon w/ husband

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

PUNALOU, HAWAII HAND SNORKEL CAPTURE

PERSON RECORDING DATA: NM

(3)

TUMOR SCORE

ORAL TMRS EXT:
 YES OR NO

EMACIATION CODE

OLD TAGS: 4136426109

4235007511	
B437	LFF
B436	RFF
B438	RHF
B439	LHF

NEW TAGS:

RHF	
LHF	

STRAIGHT CARAPACE - LENGTH:

61.6 cm

WIDTH: 46.8 cm

NOTCH LENGTH:

60.8 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

65.5 cm

WIDTH: 61.0 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:

68.0 #

DESCRIPTIVE REMARKS:

7cm GASH THROUGH BONE ON 3RD L LAT LOWER MARGIN. FRESH PC IN MOUTH

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

PUNALUU, HAWAII, HAND CAPTURE

PERSON RECORDING DATA: NS-NIKKI SANDERLIN

6

TUMOR SCORE

~~1~~

ORAL TMRS EXT:
YES OR NO

PC ~~1~~

EMACIATION CODE

~~1~~

OLD TAGS:

43676B0850

435 CO A360B

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

63.1 cm

WIDTH:

52.9 cm

NOTCH LENGTH:

63.1 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

69.0 cm

WIDTH:

68.5 cm

HEAD WIDTH:

— cm

LATERAL1:

— cm

LATERAL2:

— cm

PPS: YES OR NO OR NE

—

LATERAL3:

— cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

50.7 cm

WEIGHT:

87.5 #

DESCRIPTIVE REMARKS:

~~NS-NIKKI SANDERLIN~~

in mouth

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/21/09

CAPTURE DATE, LOCATION AND METHOD:

SNORKEL

Punalu'u, Hawaii hand capture
PERSON RECORDING DATA: NS-NIKKI Sanderlin

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

7 -

EMACIATION CODE

0

OLD TAGS:

435B761048

4077466461

155Z - LHF

MT#

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

64.3 cm

WIDTH:

52.4 cm

NOTCH LENGTH:

64.3 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

69.5 cm

WIDTH:

69.0 cm

HEAD WIDTH:

— cm

LATERAL1:

— cm

LATERAL2:

— cm

PPS: YES OR NO OR NE

—

LATERAL3:

— cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

— cm

WEIGHT:

84.0 # lbs

DESCRIPTIVE REMARKS:

Flat plastron

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121
former TDR
tortie spotted
in bay
Iron captured

8

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

Punaluu, Hawaii hand capture ^{SNORKEL}
PERSON RECORDING DATA: Nikki Sanderlin

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

45274E2974

4529680BIE

R67-RFF

R66-LFF

NEW TAGS:

RHE 407A45487F

LHF

MT# tag lost in both hind flippers

STRAIGHT CARAPACE - LENGTH:

65.2 cm

WIDTH:

51.3 cm

NOTCH LENGTH:

65.2 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

70.8 cm

WIDTH:

63.5 cm

HEAD WIDTH:

— cm

LATERAL1:

— cm

LATERAL2:

— cm

PPS: YES OR NO OR NE

—

LATERAL3:

— cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

75.5 #

DESCRIPTIVE REMARKS:

flat plastron

10/29/09

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

Punaluu, Hawaii *Siwkef* hand capture

PERSON RECORDING DATA: Niki Sanders/in

(9)

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/> 0	423B2A7723	RHF 4077315B32
ORAL TMRS EXT: YES OR NO	4236680F55	LHF
<input checked="" type="checkbox"/> 1	1602	
EMACIATION CODE	1612	
<input type="checkbox"/> 0	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 U

TAIL LENGTH: T cm

C cm

RIGHT FRONT FLIPPER WIDTH: cm

SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

PC in mouth

fiberglass Remains of TDR still present of right POSTERIOR

(flat plastron)

10

123

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

Punalou, Hawaii - hand ~~capture~~ snorkel
PERSON RECORDING DATA: Nikki Sandertin

bone abraded qth & 11th marginal Right injured

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

2

MT#

OLD TAGS:

500E154570
500E112485
4052 RFF
4051 LFF

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

62.2 cm

WIDTH:

48.2 cm

NOTCH LENGTH:

— cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

67.5 cm

WIDTH:

62.9 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

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

59.5 #

DESCRIPTIVE REMARKS:

~~beyond flat plastron~~
PC in mouth
MRD
3 central scute

healing
impact injury
5.5 x 5.5 cm
4 cm deep

881

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

11

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Hawaii - heard ~~explosion~~ SNORKEL
PERSON RECORDING DATA: NIKKI SANDERLIN

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

407A4A237C
423E16304F
407A33542C
K592
R92

NEW TAGS:

R91
R90

STRAIGHT CARAPACE - LENGTH:

66.5 cm

WIDTH:

54.5 cm

NOTCH LENGTH:

66.5 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

71.5 cm

WIDTH:

65.5 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

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

92.0 #

DESCRIPTIVE REMARKS:

flat plastron

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT: 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

basking

Punaluu, Hawaii (second capture)

PERSON RECORDING DATA: Nikki Sanderlin

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

-

MT#

OLD TAGS:

42400B6832 BHF
4136404923 LHF
413574567A
* SNEEL NOT READ

NEW TAGS:

STRAIGHT CARAPACE - LENGTH:

73.3 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

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

Punaluu, Hawaii (hand captured) *SNOOPER*
PERSON RECORDING DATA: Nikki Sanderlin

(3)

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

MT#

OLD TAGS:

4454736100 RHF

445268532A LHF

NEW TAGS:

STRAIGHT CARAPACE - LENGTH:

53.9 cm

WIDTH: 42.2 cm

NOTCH LENGTH:

53.8 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

58.5 cm

WIDTH: 51.5 cm

HEAD WIDTH:

— cm

LATERAL1: 23.3 cm

LATERAL2: 20.2 cm

PPS: YES OR NO OR NE

—

LATERAL3: 16.2 cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T

— cm

C — cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

— cm

WEIGHT:

51.0 #

DESCRIPTIVE REMARKS:

tip of left and right front flipper missing
pc in mouth and headed. *pc*

tagging.xls

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

Punaluu, Hawaii (hand capture) SNORKEL
PERSON RECORDING DATA: Nikki Sandertin

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

MT#

OLD TAGS:

42407C0766

424E3F0149

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

65.1 cm

WIDTH:

50.1 cm

NOTCH LENGTH:

— cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

75.0 cm

WIDTH:

65.6 cm

HEAD WIDTH:

— cm

LATERAL1:

26.6 cm

LATERAL2:

24.3 cm

PPS: YES OR NO OR NE

—

LATERAL3:

19.3 cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

83.0 #

DESCRIPTIVE REMARKS:

PC in mouth

Q20

128

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N=15

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All Recaptures
ENB
10-29
R...

15

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 10/29/09

CAPTURE DATE, LOCATION AND METHOD:

Ponakui, Hawaii (hand ~~apprehended~~) Snorkel
PERSON RECORDING DATA: Nikka Sandehin

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

MT#

OLD TAGS:

47065C.6E68 RHF
4706676F14 LHF

NEW TAGS:

STRAIGHT CARAPACE - LENGTH:

43.7 cm

WIDTH: 36.1 cm

NOTCH LENGTH: 43.7 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

47.0 cm

WIDTH: 43.0 cm

HEAD WIDTH: — cm

LATERAL1: 19.6 cm

LATERAL2: 16.8 cm

PPS: YES OR NO OR NE —

LATERAL3: 13.5 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T — cm

C — cm

RIGHT FRONT FLIPPER WIDTH: — cm

PLASTRON LENGTH: — cm

WEIGHT: 29.0 #

SAMPLES COLLECTED:

DESCRIPTIVE REMARKS:

PC in mouth

637-4222

From 2-37 (129)

08/21/07

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/30/2010

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Hand Snorkel
PERSON RECORDING DATA: Megan Hess

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/>	LH 470 B2A620A	RHF
ORAL TMRS EXT. YES OR NO	RH 470 96A0171	LHF
<input type="checkbox"/>		
EMACIATION CODE		
<input type="checkbox"/>	MT#	

STRAIGHT CARAPACE - LENGTH: 63.4 cm WIDTH: 51.0 cm

NOTCH LENGTH: 63.4 cm DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 67.5 cm WIDTH: 60.5 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: 79.0 #

DESCRIPTIVE REMARKS:

12

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/30/10

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Hand Snorkel
PERSON RECORDING DATA: Megan Hess

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/>	LH 407A4A237D	RHF
ORAL TMRS EXT: YES OR NO	RH 423E16304E	LHF
<input type="checkbox"/>	R-92, K-592	
EMACIATION CODE	R-90, R-91	
<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^J or Undetermined

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

Flat Plastron

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13

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/30/10

CAPTURE DATE, LOCATION AND METHOD:

Runalu'u Hand Snorkel
PERSON RECORDING DATA: Megan Hess

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/>	LH 423B2A7723	RHF
ORAL TMRS EXT: YES OR NO	RH 4230680F55	LHF
<input type="checkbox"/>	761-2, 160-2	
EMACIATION CODE	LF 4077315B32	
<input type="checkbox"/>	MT#	

STRAIGHT CARAPACE - LENGTH: 63.1 cm WIDTH: 50.7 cm

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

CURVED CARAPACE LENGTH: 67.5 cm WIDTH: 59.0 cm

HEAD WIDTH: cm LATERAL1: cm LATERAL2: cm

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

TAIL LENGTH: T 13.0 cm C 8.5 cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: 48.3 cm

WEIGHT: 79.5 #

DESCRIPTIVE REMARKS:

* NOTCH has injury

3rd Cateral Left
old fiberglass from TDR
ATT Schmitt

tagging.xls

Revised 08/21/07

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

14

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/30/10

CAPTURE DATE, LOCATION AND METHOD:

Punalu'u Hand snorkel
PERSON RECORDING DATA: Megan Hess

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

MT#

OLD TAGS:

LH

RH

NEW TAGS:

48502D2E76



483B7A3F6A

STRAIGHT CARAPACE - LENGTH:

55.3 cm

WIDTH:

43.6 cm

NOTCH LENGTH:

54.9 cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

59.0 cm

WIDTH:

51.5 cm

HEAD WIDTH:

LATERAL1:

LATERAL2:

PPS: YES OR NO OR NE

LATERAL3:

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

12.0 cm

C

7.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

PLASTRON LENGTH:

43.1 cm

WEIGHT:

50.0 #

DESCRIPTIVE REMARKS:

Revised 08/21/07

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

133
N = 15
END

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/30/10

CAPTURE DATE, LOCATION AND METHOD:

Punaluu Hand Snorkel
PERSON RECORDING DATA: Megan Hess

TUMOR SCORE

OLD TAGS:

NEW TAGS:

<input type="checkbox"/>	LH 445249674E	RHF	<input type="checkbox"/>
ORAL TMRS EXT: YES OR NO	RH 44525C7049	LHF	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>
EMACIATION CODE			<input type="checkbox"/>
<input type="checkbox"/>	MT#		<input type="checkbox"/>

STRAIGHT CARAPACE - LENGTH:

~~61.0~~ cm 62.3

WIDTH: 48.8 cm

NOTCH LENGTH: 62.2 cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

66.5 cm

WIDTH: 59.5 cm

HEAD WIDTH: cm

LATERAL1: cm

LATERAL2: cm

PPS: YES OR NO OR NE

LATERAL3: cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T 12.5 cm

C 8.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: 49.4 cm

WEIGHT: 73.0 #

DESCRIPTIVE REMARKS:

Revised 08/21/07

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

135

17

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

[Empty box for capture date, location and method]

PERSON RECORDING DATA:

TUMOR SCORE

[Empty box for tumor score]

ORAL TMRS EXT:
YES OR NO

[Empty box for oral tumor extent]

EMACIATION CODE

[Empty box for emaciation code]

OLD TAGS:

[Empty boxes for old tags]

NEW TAGS:

RHF

LHF

[Empty boxes for new tags]

MT#

STRAIGHT CARAPACE - LENGTH:

[Empty box for straight carapace length] cm

WIDTH: [Empty box] cm

NOTCH LENGTH: [Empty box] cm

DB: [Empty box] L.O.

VB: [Empty box] L.O.

CURVED CARAPACE LENGTH:

[Empty box for curved carapace length] cm

WIDTH: [Empty box] cm

HEAD WIDTH: [Empty box] cm

LATERAL1: [Empty box] cm

LATERAL2: [Empty box] cm

PPS: YES OR NO OR NE [Empty box]

LATERAL3: [Empty box] cm

SEX: Male, Female or Undetermined [Empty box]

TAIL LENGTH: T [Empty box] cm

C [Empty box] cm

RIGHT FRONT FLIPPER WIDTH:

[Empty box for right front flipper width] cm

SAMPLES COLLECTED:

PLASTRON LENGTH: [Empty box] cm

WEIGHT: [Empty box] #

DESCRIPTIVE REMARKS:

Laupahoehoe students'

HAWAII TRIBUNE HERALD

J. Keolalani Hanoa 2-18-00 7
Viewpoint

This letter is to commend teacher Donna Leong and her outstanding students at Laupahoehoe High School for their support in educating their communities and fellow students about the serious problems that plague the endangered Hawksbill turtles and threatened green sea turtles that inhabit Punalu'u Black Sand Beach.

On Jan. 13, 2000, the students of Laupahoehoe High School held a turtle conference to educate fellow students and their communities about the daily desecration of our natural resources in conservation districts directly impacting the nesting habitat of our endangered sea turtles. They relentlessly investigated state, federal and County of Hawaii laws that pertain to special management areas. They inquired about the permitting process for existing building on the beach only to find that there are no CDUA permits, which are illegal to the State Con-

servation District administrative rules. They discovered numerous violations pertaining to the illegal sale of sand and rocks for commercial use and the lack of enforcement of existing federal laws that protect endangered species.

This controversy transpired last fall when Kumu Donna Leong along with her students came to Punalu'u for a two-day excursion to learn environmental science and traditional ahupua'a lifestyle from the resources of the Ka'u district. They were hosted at Kukulu Kumuhana's Learning Center, where students were immersed in culture, utilizing Punalu'u as a living classroom. They assisted interns from the National Park Service Honu Project for two days, monitoring nesting female Hawksbills. They were taught traditional shoreline fishing techniques by local fishermen and kupuna. Within those two days, the students immediately bonded with the aina and ancient turtles. They learned about the various places of significance while on their daily hikes and while clean-

conservation efforts praised

ing the beach. Students immediately noticed the "Removal of Sand Prohibited" sign erected directly in front of the vendor's shops. Then they saw vendor's with sand and rocks vividly displayed on the counters. As the "truth comes from the mouths of babes," they respectfully proceeded to ask the vendor's, "Why are you selling sand and rocks?" They expressed the fact that it was an illegal act of desecration to the Hawksbills nesting habitat. One vendor lashed out at them, asking who sent them and said it was none of their business. He then called the principal of their school and stated that the students were harassing him, and falsely reported that they were unsupervised and his point of views was not being represented fairly. The vendor was then invited to be a panelist at the turtle conference to express his concerns and have an opportunity for fair representation. He refused, stating he would be out of town. This is what inspired students to support Punalu'u Preservation's crusade to save the endangered Hawkbills (Honu'ea) and their

native habitat.

These students are a true example of leadership and integrity! They will make excellent leaders for the future! They deserve recognition for taking an active role in preserving their environment, and then taking it a step further as to educate their school, families and communities! On behalf of Punalu'u Preservation and the Hawksbills at Punalu'u, we would like to express our gratitude and aloha for your support in bringing forth awareness, and to Kumu Donna Leong! Teachers like you are the role models our children need to move forward into the 21st century! You have taught them well, the love of the land in sustaining all species of life. Our children become our greatest teachers, and the vendor's harshness towards innocent students for speaking the truth, and upholding the law only displays his ignorance. Be a part of the solution, not the problem.

J. Keolalani Hanoa is the cultural educator/director of Kukulu Kumuhana 'O Ka'u Learning Center.

LETTERS

Punalu'u, Kamehame beaches

Aloha, Sens. Lorraine Inouye and Andrew Levin, and Councilwoman Julie Jacobsen.

We are Punalu'u Preservation, a grassroots Ka'u organization consisting of Punalu'u residents and concerned citizens, whose mission is to protect Punalu'u's fragile shoreline, natural resources and endangered Honu and Honu'ea. On behalf of Punalu'u Preservation, we would like to express our sincere mahalo for all of your hard work in creating SCR 89 and its success in the legislature this past session. Your persevering efforts in addressing the problems that plague Punalu'u has been honorable and shows a true example of leadership. Your compassion, courage and respect for Hawaii and its native inhabitants should be commended. You have chosen to take responsibility in insuring the preservation and protection of Ka'u's wahi kapu (sacred places) and unique natural resources. The problems are numerous and critical, but through this study a corner stone will set the path towards solutions. It will bring awareness to all about the desecration of Punalu'u and constant abuse witnessed daily by residents to the endangered Honu and Honu'ea. Maha-lo again dear friends for listening to concerns of the native people and hearing the cries of the ancient Honu'ea.

Nana aku na make o na Honu'ea "Seeing through the eyes of the Hawksbill"

Pele Hanoa
Punalu'u Preservation

Letters

Protecting turtles

I would like to commend the Hawaii Tribune-Herald for the 5/25 informative article by Dave Smith, on the recently approved SCR 89 concerning Punalu'u and Kamehame Beaches in Ka'u.

I would like to add a note of thanks to Sen. Andy Levin for his leadership in passing this piece of vital legislation. I also want to express my gratitude for the hard work of the dedicated office staff of Sen. Levin. Finally, mahalo to those who brought their concerns about Punalu'u to my attention, to those who attended the public forum at Punalu'u Beach, and to those who provided written comments on the legislation.

The residents, endangered Hawksbill turtles, the threatened green sea turtles, and other flora and fauna will benefit greatly if Punalu'u and Kamehame Beaches can be given the protections they deserve.

I would also like to correct a bit of misinformation. A vendor at Punalu'u called me today and requested that it should be noted that he does pay an unspecified amount of rent to Roberts Hawaii for the structure that is on the beach. It remains unclear as to why Roberts Hawaii is collecting rent on land that is makai of the high tide line and properly belongs to the people of the State of Hawaii. For these and other reasons, it is wonderful that this

study is being done, as required by SCR 89. We need to work out these concerns and answer these questions.

Councilmember Julie Jacobson
Puna, Ka'u & Kona

Aloha at Kiholo Bay

It's pretty amazing. I look back now on the kindness shown to me by a lady whose name I did not get.

Saturday afternoon hiking at Kiholo Bay, I fell and hurt my elbow. Sitting in pain and wondering how to handle this, she just appeared...from nowhere...with a First Aid Kit. "I never leave home without it," she explained. "I'm a health nurse at a school, here today with my kids."

Lucky for me! What a good heart she has. What a selfless sense of giving she has for a total stranger.

To that lady: Your help and advice were valuable to me. I'm much improved now by the way. Although I did thank you then for your help, I think you deserve more. If only I knew your name. I would repeat it here to recognize your aloha, and to thank you again.

Tom Forbes
Hilo

Big Island land buy to help

The conservancy plans to help an endangered species with its purchase

By Diana Leone
dleone@starbulletin.com

The Nature Conservancy of Hawaii plans to buy 24 acres on the Big Island that includes the state's premier nesting beach for endangered hawksbill sea turtles.

Secluded Kamehame Beach in the Kau district is where more than 30 of the 50 females that nest in the state lay their eggs, said Chris Swenson, Pacific Islands coastal program coordinator for the U.S. Fish and Wildlife Service.

The Nature Conservancy

purchase is an "excellent thing that's going to protect that area in perpetuity now," Swenson said. "That beach is the most important one in the state for the species ... and the main hawksbill factory in the U.S."

Ka'u Agribusiness, a subsidiary of C. Brewer, is selling

the land, which is north of the black-sand beach at Punaluu, for \$85,000. The Nature Conservancy is holding a special fund drive through July 31 to raise the money, said spokesman Grady Timmons.

For 10 years, C. Brewer has allowed the Fish and Wildlife Service and Hawaii Volcanoes National Park to run a cooperative program at the crescent

HONOLULU STAR-BULLETIN / FRIDAY, JUNE 14, 2002

turtles

shape beach.

Swenson said volunteers document where the females bury their eggs in the sand, which begins each year in June. They then return in shifts 24 hours a day, seven days a week, to watch over the nests to keep away predators, such as mongooses.

About two months later, the palm-size hatchlings emerge from their leathery eggs, wiggle up through a couple feet of sand and crawl toward the water, where they spend the next 10 or more years growing to maturity.

The adult female always returns to the beach where she was born to lay her eggs, so keeping nesting beaches undisturbed is crucial, Swenson said.

Even if someone built just a fishing cottage on the beach, the presence of people, dogs and lights could deter the hawksbills from nesting, he said. "The females are pretty sensitive. They won't come up (to lay eggs) if it's disturbed."

Turtles' nesting habits surprise biologists

By Dave Smith
Tribune-Herald

The 2001 nesting season for the Hawaiian hawksbill turtle has resulted in some unusual occurrences, including an unexpected surge in activity at one remote beach and the near absence of the reptiles at a normally busy nesting area.

Over the past six months volunteers and staff of a turtle monitoring program documented nesting by 10 female hawksbill turtles on Big Island beaches. The turtles, including two tagged for identification purposes for the first time, laid a total of 28 nests. Hawksbill turtles can lay up to six clutches of eggs each season.

During the 2000 nesting season seven of the endangered turtles were observed laying a total of 25 nests. The previous year 18 turtles were documented nesting, the second-highest

total since tagging of hawksbills began in 1991. In the past 11 years a total of 52 nesting female hawksbills have been given tags.

As in past years, most of the nesting activity in 2001 took place at Kamehame, the remote Ka'u beach located several miles south of Punaluu, accounted for 15 of this year's nests.

However, for the second year in a row turtle activity was down significantly at Apua Point, a beach some 20 miles further north which is usually the second-most prolific hawksbill nesting beach on the island. Only two nests were laid this year at Apua and none the year before.

Jerry Katabira, a resource management specialist at Hawaii Volcanoes National Park, said biologists are unsure why the turtles have not been frequenting Apua. The beach pro-

See HAWKSBILL,
Page 8

HAWAII Tribune-Herald * 11/23/01 pg 8

HAWKSBILL: Turtles changing nesting sites

From Page 1

duced six nests in 1999.

Katabira said the complete lack of nesting at Apua last year was a surprise to those involved in the 31-year-old turtle program.

"That was the first time since we've been monitoring that we haven't documented a nesting at Apua," he said, adding that some turtles that usually nest at Apua may have nested unnoticed at other beaches.

The change does not necessarily signal a problem as

hawksbill turtles nest every two to five years.

Hawksbill nesting has been known to occur at at least nine beaches on the Big Island, one beach on Maui, and at an unknown number on Molokai.

On the Big Island, volunteers under Katabira's direction maintain vigils at Apua and Kamehame and visit other nesting areas as often as possible to check for signs of nesting.

This year marked a marked increase of nesting activity at

Keaouhu, including visits by a female hawksbill which had previously been tagged while nesting at Apua.

Hawksbill activity at Keaouhu — one of three nesting areas, along with Apua and Halape, located inside the park's boundaries — was first observed by a camper in 1997.

This year two turtles, including one that was untagged, laid a total of five nests at Keaouhu, the first documented activity there since 1997.

This year also marked the first time hawksbill nesting was observed on the north side of the Big Island, near where hawksbills are known to live between nesting forays. Evidence of nesting was found at Waipuu Valley, a 1974 park employee on a camping trip.

Satellite transponders have been used to verify that at least some hawksbills can be found most of the time feeding on sponges off the Hawaiian coast.

habitat. But now, we protect them. So they're coming around."

Enriques goes on to explain that these are honu, the threatened green sea turtles, which forage here and lay their eggs in the French Frigate Shoals. The honu 'ea, the endangered hawksbill, is the one which nests here and forages off Maui and this island's Hamakua coast.

Enriques says the turtle census report for 1999 listed four nest sites which, he says, is the highest recorded number of nests.

What about turtle etiquette? "Treat them like you want to be treated. If you see a turtle lying on the beach, don't go walking up to it and hitting it or trying to pick it up. Give it space.

Think. If you were lying on the beach, would you want someone to walk up to you and get in your face? Knock on your head? Dump water on you? It boils down to 'show respect.' Show the turtles the same respect you'd like to be shown."

Enriques has come under fire for selling sand at the kiosks.

"We used to sell sand from the beach. . . these kiosks have been here a long time. . . but now we get sand from another area. You know, things change, you learn more. Now when we see someone filling a container with sand, we try to discourage that and explain that this beach is an irreplaceable resource. We sell less sand in a whole day than one tourist takes

with one soda cup."

For This Original "Kuleana" Family, Saving the Turtles Means Saving Hawaiians

Another group, the Punalu'u Preservation Society, which is headed by Keolalani Hanoa, monitors turtles, cleans up the beach, and provides more formalized educational programs. The mission of the 13-year-old society is to protect and preserve the natural ecosystems of Punalu'u. "We were instrumental in stopping the big C. Brewer development which was going to take away three-fourths of the shoreline." The old C. Brewer property is now owned by Roberts.

"We are one of the three kuleana landowners who acquired these properties in the Great Mahele, nine generations ago, and continue to live on the land," Hanoa says. The three original kuleana families, she says, were the Carmichael-Whittingtons, Delbert Beamers, and Kuaimoku-Bangays, "the original 'oiwi of this area. . . We have blood ties to this place. This is a sacred area. This fishing village of Punalu'u is where the ali'i of

PUNALU'U—

Continued on page 14.

PUNALU'U —

Continued from page 13.

Hawai'i Island came under kapu. Kalaniopu'u, Keoua, Keawe, Kamehameha all came here for training."

Hanoa attributes at least part of the hawksbill increase at Punalu'u to the loss of Kaimu beach to the ongoing lava flow. She says that between human encroachment and natural beach loss, the turtles have had steadily decreasing options for nesting sites.

While Punalu'u may not have had a lot of turtles in historic times, the legend of Kauila, the turtle kupua protectress of Punalu'u, indicates that, in the past, the honu was an important feature of the area. Now that the turtles have returned, they must be protected, she says. "It's about responsibility, the responsibility we have to the 'aina and the village we have genealogical ties to. These honu are our aumakua. If they leave, the Hawaiian people leave. We have to save them to save ourselves."

Hanoa says, "My mana'o is that this beach belongs to all of the people of this state, not to one family. We should not sell sand and rocks. She says the larger issue is that when anyone sells the sand and stones, even in a controlled situation, then visitors are more likely to take larger quantities in uncontrolled situations, causing increased erosion. She also cites heavy traffic, especially buses and speeding cars, as a contributing factor in the accelerated erosion of the sand.

Hanoa reports sightings of people sitting on the turtles, poking, and otherwise abusing them - the same problems which occur at Pu'uhoonua o Honaunau National Historical Park and Kaloko-Honokohau NHP. Both Enriques and Hanoa try to educate such people.

Pollution is another concern of Hanoa. "We have a shoreline filled with anchialine ponds which are being destroyed by pollution sources such as people defecating and urinating" in the area, she says, adding that the existing restrooms are inadequate for the current visitor count, which can reach 1,000 on a holiday. She would like to see the Roberts property become an educational center, with parking and a camping area with composting toilets. This would be an opportunity to right an old wrong, she says. "They built the restaurant on ancient ali'i burials. The restaurant has always been haunted, the golf shop has been haunted . . . the aina has its own laws."

Hanoa does not want to see either human exacerbation of, or mitigation of, erosion at Punalu'u. She believes that the natural processes should be allowed to move the beach inland as it will.

"If akua is going to claim it, we cannot stop anything. We all eventually will be underwater, but we have to protect what we have right now," she says.

She does not see an immediate solution, but does see the working group as a first step in defining the problems and proposing possible solutions. "The problems are 50 years in the making," she said,

Protecting Punalu'u and Its Threatened Honu

Two families whose roots go deep at Punalu'u, a popular but fragile beach area in Ka'u, one state senator and a county councilwoman are among those working together and individually to protect a resident whose ancestry goes back to the age of the dinosaurs — the Hawaiian green sea turtle, better known here as "honu."

By LEILEHUA YUEN

The Senator's Resolution

A resolution introduced recently by State Senator Andy Levin calls for the convening of a working group to study Punalu'u and Kamehame beaches. The study will recommend actions to preserve and protect the beaches and endangered species, including turtles, which frequent them.

Levin has had a lifelong interest in endangered species, but has not before had much personal interaction specifically with turtles, although he laughingly says, "I did have a pet box turtle when I was five."

Levin says, "After going to [Ka'u Councilwoman] Julie Jacobson's meeting a couple of months ago, I was thinking of what I could do to help the turtles. So I introduced a resolution to call on DLNR to bring the community together to decide what can and should be done. I think Punalu'u is a tremendous natural resource which deserves to be protected.

"I give the credit to Julie for getting this started," Levin says.

Among the concerns to be addressed by the resolution are: Compliance with the federal Endangered Species Act; restoration of currently polluted resources, removal of dangerous or illegal structures, and the potential to recover costs from parties responsible for habitat destruction; integration of the area as a state park into the Ala Kahakai Trail System; opportunities for local craft and food vendors in the beach area; rights of way, including the elimination of motorized traffic on the existing road, and plans and designs for appropriate parking facilities; elimination or control of predators that harm endangered species; and identification of existing and potential sources of water pollution.

The Councilwoman's Park Proposal

Jacobson says, "Keolalani Hanoa called me shortly after I got elected to tell me that the county was prepar-



Efforts are underway to protect Punalu'u Black Sand Beach and the Hawaiian green sea turtle that often basks on the sand there. A monument recognizes the honu and tells an ancient story.

ing to pave the road at Punalu'u. The county was trying to do the work based on an EIS (environmental impact statement) which had been done in 1988."

While work based on a ten-year-old environmental impact statement could be questionable, most of the environmental change appears to have occurred in 1975, when the coastline subsided.

Old maps show house lots on both

sides of the county road. Until then, the beach primarily was ma kai of all the house lots. After the subsidence, what remained of the beach moved ma uka covering the road, filling in a pond and burying portions of the stone walls that formerly stood between the house lots and the road. Though they are now owners of the now-submerged ma uka lots still are required to pay property

on them.

Jacobson says, "the shoreline needs to be re-certified so we can say the state is responsible for this, and the feds are responsible for this, and C. Brewer is responsible for this. It needs to be clarified. When I first got started, it seemed like the issues were endangered species protection and erosion. But as I got into it I found a whole bunch of other issues," including historical, Hawaiian rights, and property rights."

The road "can't be closed off altogether," Jacobson says.

"There are inhabited properties and the residents need access. If they don't use the beach road, there is no vehicular way to reach the properties." The ma uka road, which has been suggested for access, is private, not a public right-of-way, and does not reach all of the lots.

Jacobson says she "would like to create a state park, taking the beach back to turtle habitat, putting the old restaurant back into use, moving the vendors, using the old parking lot for the buses. . . we need to keep the buses on pavement, where they belong." She also would like "the situation to be comparable to Hapuna or Richardson's, where you park a way off and then walk to the beach. . . There also needs to be more of a presence of personnel. That might be difficult, but an endangered species is concerned. It could be done like the rangers do it at Pu'uhonua o Honaunau, so you're not just telling people, 'Don't do that,' but you're explaining the value and importance of these animals."

Beach Vendors Help to Educate Tourists

On a recent Saturday, curio shop owner Guy Enriques appeared to be implementing some of the plan on his own. His family-owned line of kiosks sits in a disputed area of the beach. Enriques and his family are

active in educating people about the turtles at Punalu'u, and are trying to address other concerns as well.

Starting in the early 1950s, Enriques says, his "mom was pushing carts" to the beach, selling seed lei and souvenirs to visitors. Eventually the family built the kiosks. Since then, three tidal waves have washed across Punalu'u, and after each one, the family has pulled together to reopen the business. Today, four families, three of which are related, run the shops

Responding to proposals to move vendors to another location, Enriques says, "we have made a living off these shops for over half a century. Move us in the back, and we may lose that ability to eat a living."

Enriques heads 'Ohana o Punalu'u, which seeks to address the access and use problems and provide education to visitors, including tour guides. The group would like to see better signage and speed bumps. The organization was formed about eight months ago in response to "the movement to shut the road down," Enriques says.

Jeannette Howard, Enriques' mother, was born, raised, and still lives in Punalu'u on a 99-year Bishop Estate lease property, Enriques says. He calls her the "longest living resident of Punalu'u."

A sign on one kiosk encourages visitors to ask about the turtles, how to observe them, swim with them, and learn "turtle etiquette." When questioned about the sign, Enriques is friendly, informative and knowledgeable. "There's one, right there," he points out. Apparently unperturbed, the turtle continues to bask as visitors watch and take photos. During a three-hour period, no visitors are observed touching the turtle.

"They're pretty used to people around here," Enriques says. "before, when it was legal to eat them, you never saw a turtle in here. If one showed up, we were on it! As long as this was a Hawaiian settlement, it probably hasn't been turtle

Ka'u 100 Book

Ka'ū Hospital Launches Major Reduce, Recycling Effort, See Page 3



Demetrius Oliveira and Joe Demoruelle plan to launch a community radio station for Ka'ū, with the help of Ka'ū High School students in Pāhala.

See page 3.



Christmas season features a Pāhala parade, a fund-raising Holiday Concert for the Boys & Girls Club and many other events.

See Calendar section, pages 9 and 10.



THE KA'Ū CALENDAR

Volume 8, Number 1 The Good News of Ka'ū, Hawai'i December 2009



Hundreds of community members flocked to Punalu'u Beach to watch over rare hawksbill turtle hatchlings as they scurried from their nest to the ocean. This was the best recorded season for hawksbill nesting at Punalu'u on record. Photos by Julia Neal

Honu'ea: Best Punalu'u Hawksbill Nesting Season

Hundreds of community members converged on Punalu'u in November to watch 42 hatchling hawksbill turtles make their way to the ocean from their

nest. The Hawaiian name for hawksbill turtle is honu'ea. Its scientific name is *Eretmochelys imbricata*, and the species is the rarest turtle in the Pacific Ocean. Many people are familiar with the honu, green sea turtle, that is commonly seen at Punalu'u, but very few people have ever seen the honu'ea. This rare and endangered turtle has laid five nests at Punalu'u this year.

and private landowners. The Hawksbill Project guards the nest during the two-month long incubation of some 170 eggs laid in each nest. The nests are dug along

Hawksbill Nesting, pg. 15



Excavations of the nests are overseen by the Hawai'i Island Hawksbill Turtle Recovery Project, a partnership between the National Park Service, U.S. Fish and Wildlife Service, NOAA Fisheries Service, non-profit organizations like The World Turtle Trust and Hawai'i Natural History Association.

Charrette Revs Up Ka'ū Plan

"How do we connect the opportunities to the people of this place? How do we ensure the benefits come back to our families? These are two of the challenges of the Ka'ū Community Development Plan as it brings together community desires and strategies for the next 20 years.

Ka'ū's resilient families need economic security. "Earn it. Grow it. Keep it!" advised PlaceMaker CDP manager Howard Blackson. He was referring to making a new building enterprise and keeping that money in Ka'ū to make the economy stronger.

He also observed: "We want opportunities but need it with context of relationships of the land."

Creating the CDP involves strategies for economic development, suggestions for improving walkable villages and profitable farms and ranches as well as keeping Ka'ū.

"Be Ka'ū. Don't try to be Kona. Don't try to be Hilo," another planner urged.

The CDP process reached its midpoint in November with a lu'au and six-day charrette at Nā'ālehu Community Center, where 300 people participated. With a wrap-up luncheon and presentation Nov. 21, the CDP

Charrette, pg. 11

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Questions?

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Taking sand from beach

The poke contest proved to be an awesome event full of good food and good competition. Check out the story on page 14, if you did not go then there is always next year. Luckily for us, the contest has been going strong for 18 years with no end in sight.

Now on to the first of two questions this week:

Mr. Big Island, do you know what state or county laws protect the sand on our beautiful beaches? Almost every time I visit Punalu'u Black Sand Beach or the Green Sand Beach I find someone filling a bottle or plastic bag with sand to take home. I always ask them to leave the sand, explaining that it is a limited resource. At the shops on Punalu'u Beach tourists can find black, green, and white sand for sale. This encourages people to collect the sand right off the beach. Several tons of sand have been stolen from Punalu'u in recent years; the beach has shrunk considerably. The endangered Hawksbill Turtle needs this sand to lay its eggs. How do we get DLNR and the County of Hawaii to

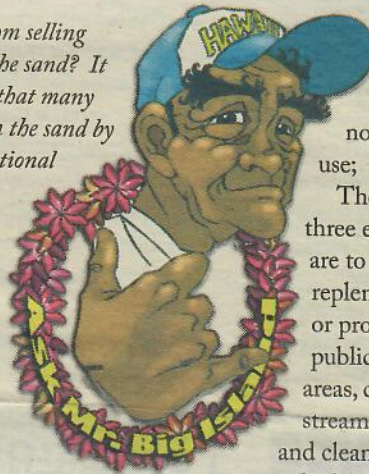
stop people from selling and stealing the sand? It is interesting that many tourists return the sand by mail to the national park after experiencing a spate of bad luck.

According to the Department of Land and Natural Resources, there really is no law against taking a small amount of sand. There are laws for taking a large amount of sand and taking sand for commercial use. The statutes are as follows:

Chapter 171.58.5 of Hawai'i Revised Statutes states:

Prohibitions. The mining or taking of sand, dead coral or coral rubble, rocks, soil or other marine deposits seaward from the shoreline is prohibited with the following exceptions:

(1) The taking from seaward of the shoreline of such materials, not in excess of one gallon per person per



day for reasonable, personal, noncommercial use;

The other three exceptions are to allow replenishment or protection of public shoreline areas, clearing of stream mouths,

and cleaning of areas seaward of the shoreline for state or county maintenance.

Taking of sand on a regular basis for use as a product for sale would be considered as constituting a commercial use, which is not permissible.

Mr. Big Island does not condone taking sand from our beaches, and would suggest that folks who are opposed to this write the Department of Land and Natural Resources at 1151 Punchbowl St., Honolulu, HI 96813.

Hear Linda + George
Mele Kalikimaka

And best wishes ^{JAN}
for the New Year. ²⁰⁰⁹

P.S. -
My son Guy
made it as
councilman for
Kaii.

With much Aloha,
Arnold + Jeanette

It is so nice to see George
3 for 4 times a year as
he comes with the university's
students to Tag and check
on the honu.

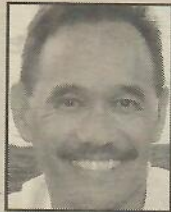
Hope this will find you guys well
and in good shape. as for us, we
are doing well as can be expected with
our old bodies.

Take care, May the Good Lord bless you
and family - Love
Jeanette

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Candidate Q&A

HAWAII DISTRICT 6



Enriquez, Guy

Candidate biography

Date of birth: (No response)
Place of birth: (No response)
Residence: (No response)
Job/profession: (No response)
Fun fact: (No response)

1) Why are you running for County Council?

I am running to provide a more balanced and representative voice for communities throughout District 6. I will provide leadership that truly represents the constituents, by making myself approachable, open to all and acting on the majority. I am an advocate of teamwork and building strong relationships and will work hard at creating a unified County Council.

2) What is the biggest problem in your district, and how would you fix it?

The biggest problem facing District 6 is vog as it presents an immediate health risk. Unfortunately it cannot be fixed, but the impacts on health issues can be addressed through constant updating of warning systems, emergency plans, community education, and providing a safe house for community residence on days with extreme vog levels.

3) What is your solution for disposing of East Hawaii's garbage, once the Hilo landfill is closed?

We need to instill the will and the desire of the people of Hawaii to take recycling seriously. I would support combining state-of-the-art recycling facilities, a recycling program that creates strong financial incentives for residents to recycle, and a less costly waste-to-energy solution. Look for public/private partnerships on all of the above.

4) What would you do to improve emergency services in rural areas?

I would encourage Civil Defense to establish a radio station in rural areas to broadcast emergency notifications as vog levels or tsunami warnings for fishermen/campers in remote areas. Rural communities in Ka'u are the farthest anywhere in the state from any critical emergency care. I would support research and establishment for on-demand air ambulance at Ka'u Hospital.

5) Hawaii County's unemployment rate rose to 6 percent this summer. What would you do to create jobs on the Big Island?

I would increase the funding to the county's Research and Development Department and task them with the role of establishing innovative incentives to encourage new business in agriculture (farming, ranching, bio-fuel) and sustainable natural energy resources (wind, geothermal, solar, wave, hydro). Creating new business in these areas will decrease unemployment and the heavy dependency on fossil fuel.

Hawaii Tribune-Herald