

PUNA LUU = BALAZS

2003-2005

TEL. 286-2899  
395-6409

2 of 2

9 APRIL 03

19 NOVEMBER 03

MARCH 10, 2004

JULY 7, 2004

FEB 2, 2005

JUNE 29, 2005

Revised 04/04/01

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

end  
Punaluu  
18 65  
3-10-04

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/10/04

CAPTURE DATE, LOCATION AND METHOD:

PUNALUU	3-10-04	Hand Snorkel
PERSON RECORDING DATA: EMILY DUDLEY		

TUMOR SCORE

1

ORAL TMRS EXT:  
YES OR NO

Y

EMACIATION CODE

0

OLD TAGS:


NEW TAGS:

RF		LH
LF	4454064A50	
	4439715F6A	RH

STRAIGHT CARAPACE - LENGTH:

50.9 cm

39.8  
WIDTH: ~~50.6~~ cm

NOTCH LENGTH:

50.6 cm

DB:  0 L.O.

VB:  0 L.O.

CURVED CARAPACE LENGTH:

55 cm

WIDTH: 48 cm

HEAD WIDTH:

— cm

AXIAL:  — cm

LATERAL:  — cm

PPS: YES OR NO OR NE

—

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

12.5 cm

C  9 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

40.2 cm

WEIGHT:

41 lbs #

DESCRIPTIVE REMARKS:

Right FF trailing edge 1-#J  
 ① Ventral neck 1-#I  
 ② LJH = 1-#I  
 ③ LJH inside 1-#I

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ORIGINAL TAGGING =  
4/24/02 Punalu'u 47.2 cm

①

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-7-04 PUNALU'U  
PERSON RECORDING DATA: Katie Willis and snorkel

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

1

EMACIATION CODE

0

OLD TAGS:

42364E184D  
423234406D

NEW TAGS:

RFL  
LFL

STRAIGHT CARAPACE - LENGTH:

52.2 cm

WIDTH: 40.8 cm

NOTCH LENGTH:

51.8 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

55.5 cm

WIDTH: 49.0 cm

HEAD WIDTH:

8.0 cm

AXIAL:

21.2 cm

LATERAL:

21.1 cm

PPS: YES OR NO OR NE

1

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

12 cm

C

8.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

9.4 cm

PLASTRON LENGTH:

40.8 cm

WEIGHT:

— #

DESCRIPTIVE REMARKS:

Red filaments in mouth

Katie Willis P.O. BOX 272 Honolulu HI 96728  
Honu on-foot picture

Handwritten notes at bottom of page: # - 1 = AT-1, # - 1 = 24 inches HT, 1

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7/7/04	Punaluu	Hand snorkel
PERSON RECORDING DATA: Katie Willis CVT		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

500E154570
500E112425
+ 4 metal

NEW TAGS:

RFL
LFL

STRAIGHT CARAPACE - LENGTH:

61.2 cm

WIDTH:

47.5 cm

NOTCH LENGTH:

161.1 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

166 cm

WIDTH:

59.5 cm

HEAD WIDTH:

9.9 cm

AXIAL: 24.7 cm

LATERAL: 24.9 cm

PPS: YES OR NO OR NE

—

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

14.5 cm

C 11 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

10.1 cm

PLASTRON LENGTH:

45.6 cm

WEIGHT:

— #

DESCRIPTIVE REMARKS:

next to end  
Picture  
of basking  
Turtle with  
Katie.

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SEA TURTLE TAGGING FORM

3

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

Beach below Pavilion:

7/7/04	Punaluu	Basking
PERSON RECORDING DATA: Katie Wilks		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

424 D507C7F
+1 metal K4984FL

NEW TAGS:

RFL
LFL

STRAIGHT CARAPACE - LENGTH:

14.7 cm

WIDTH: — cm

NOTCH LENGTH:

— cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

— cm

WIDTH: — cm

HEAD WIDTH:

— cm

AXIAL: — cm

LATERAL: ~~—~~ cm

PPS: YES OR NO OR NE

—

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

— cm

C — cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

NOT RESTRAINED

PLASTRON LENGTH:

— cm

WEIGHT: #

—

DESCRIPTIVE REMARKS:

nasal fracture  
along 5th Central; ~~1st~~ Dorsal  
flipper missing  
healed

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

Resighting foraging  
in shallow water

CAPTURE DATE, LOCATION AND METHOD:

7-7-04 Punaluu  
PERSON RECORDING DATA: Katie Willis cut

Foraging in shallows

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

423E10304FRH

NEW TAGS:

RFL  
LFL

STRAIGHT CARAPACE - LENGTH:

— cm

WIDTH:

— cm

NOTCH LENGTH:

— cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

— cm

WIDTH:

— cm

HEAD WIDTH:

— cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

—

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

— #

NOT RESTRAINED

DESCRIPTIVE REMARKS:

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⑤

## SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-7-04	Punahoa	Hand snorkel
PERSON RECORDING DATA: Katie Wilks CVT		

TUMOR SCORE

ORAL TMRS EXT:

YES OR NO

EMACIATION CODE

OLD TAGS:

407A414116 LP
407A47260A EP
+4 metals 4062

NEW TAGS:

4422092C0B


STRAIGHT CARAPACE - LENGTH:

 cmWIDTH:  cm

NOTCH LENGTH:

 cmDB:  L.O.VB:  L.O.

CURVED CARAPACE LENGTH:

 cmWIDTH:  cm

HEAD WIDTH:

 cmAXIAL:  cmLATERAL:  cm

PPS: YES OR NO OR NE

SEX: Male, Female  
or Undetermined

TAIL LENGTH: T

 cmC  cm

RIGHT FRONT FLIPPER WIDTH:

 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

 cm

WEIGHT:

 #

DESCRIPTIVE REMARKS:

test  
 10lb fishing line pulled  
 from loose

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-7-04 Punaluu Hand snorkeled

PERSON RECORDING DATA: Katie Willis CVT

TUMOR SCORE

0

ORAL TMRS EXT:

YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

4 metal 1672 LH RFL

1166Z RH RFL

1165Z RF RFL

1164ZL F RFL

LH 442218533C




4414574C3E

STRAIGHT CARAPACE - LENGTH:

161.7 cm

WIDTH: 47. cm

NOTCH LENGTH:

161.6 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

166 cm

WIDTH: 57.5 cm

HEAD WIDTH:

9.2 cm

AXIAL: 24.5 cm

LATERAL: 24.4 cm

PPS: YES OR NO OR NE

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

11.5 cm

C 7.5 cm

RIGHT FRONT FLIPPER WIDTH:

10.6 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

50.6 cm

WEIGHT:

— #

DESCRIPTIVE REMARKS:

filaments of

Sm. PC in mouth



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SEA TURTLE TAGGING FORM

Katie also  
in picture.  
With this turtle.  
Pavillion end of beach -

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD

7/7/04 Punaluu Basking

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:

YES OR NO  
-

EMACIATION CODE

0

OLD TAGS:

Empty table for old tags

RH

RF

LFL

LH



4413371672



4414680452

STRAIGHT CARAPACE - LENGTH:

61.0 cm

WIDTH: 49.1 cm

NOTCH LENGTH: 61.0 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

65.5 cm

WIDTH: 60 cm

HEAD WIDTH: 9.7 cm

AXIAL: 25 cm

LATERAL: 25.1 cm

PPS: YES OR NO OR NE

Empty box for PPS

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T 13.5 cm

C 9.5 cm

RIGHT FRONT FLIPPER WIDTH: 10.8 cm

PLASTRON LENGTH: 49.0 cm

WEIGHT: - #

DESCRIPTIVE REMARKS:

SAMPLES COLLECTED: Empty table for sample collection

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-7-04	Punaluu	Hand Sorkel
PERSON RECORDING DATA: Katielouills CVT		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

42366080P55
423P2A7723
+3 metal

NEW TAGS:

RFL
LFL

STRAIGHT CARAPACE - LENGTH:

59.4 cm

WIDTH: 48.5 cm

NOTCH LENGTH:

59.4 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

63 cm

WIDTH: 58.5 cm

HEAD WIDTH:

9.5 cm

AXIAL: 23.7 cm

LATERAL: 23.4 cm

PPS: YES OR NO OR NE

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

13.5 cm

C 8.5 cm

RIGHT FRONT FLIPPER WIDTH:

10.7 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

45.3 cm

WEIGHT:

- #

DESCRIPTIVE REMARKS:

Healed Notch <sup>RIGHT</sup> post central

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-7-04	Punaluu	Hand Snorkel
PERSON RECORDING DATA: Katiwehi USCUT.		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

413E0D6C35
42431A5569
#1 metals

NEW TAGS:

RFL
LFL

STRAIGHT CARAPACE - LENGTH:

66.9 cm

WIDTH: 51.9 cm

NOTCH LENGTH:

66.9 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

72 cm

WIDTH:

69.5 cm

HEAD WIDTH:

10.4 cm

AXIAL:

26.4 cm

LATERAL:

26.4 cm

PPS: YES OR NO OR NE

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

16 cm

C

11 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

10.9 cm

PLASTRON LENGTH:

53.2 cm

WEIGHT:

— #

DESCRIPTIVE REMARKS:

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-7-04	Punaluu	Hand Snorkel
PERSON RECORDING DATA: Katie W. Iles CWT		

TUMOR SCORE <input type="text" value="0"/>	OLD TAGS: 407A476 F116 485B761048 + 2 metals	NEW TAGS: RFL LFL
ORAL TMRS EXT: YES OR NO <input type="text" value="—"/>		
EMACIATION CODE <input type="text" value="0"/>		

STRAIGHT CARAPACE - LENGTH:	<input type="text" value="59.9"/> cm	WIDTH:	<input type="text" value="49.2"/> cm
NOTCH LENGTH:	<input type="text" value="59.9"/> cm	DB:	<input type="text" value="0"/> L.O.
		VB:	<input type="text" value="0"/> L.O.
CURVED CARAPACE LENGTH:	<input type="text" value="61.5"/> cm	WIDTH:	<input type="text" value="62"/> cm
HEAD WIDTH:	<input type="text" value="9.0"/> cm	AXIAL:	<input type="text" value="25.3"/> cm
		LATERAL:	<input type="text" value="25.2"/> cm
PPS: YES OR NO OR NE	<input type="text" value="—"/>	SEX: Male, Female or Undetermined	<input type="text" value="J"/>
TAIL LENGTH: T	<input type="text" value="13"/> cm	C	<input type="text" value="8.5"/> cm

Left RIGHT FRONT FLIPPER WIDTH:	<input type="text" value="10.4"/> cm	SAMPLES COLLECTED:
PLASTRON LENGTH:	<input type="text" value="46.9"/> cm	
WEIGHT:	<input type="text" value="—"/> #	
DESCRIPTIVE REMARKS:	<input type="text"/>	

Note to show George didn't check all front flippers for tags. PIT

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-7-04	Punaluu	Hand snatched
PERSON RECORDING DATA: Katie Willis CVT		

TUMOR SCORE

ORAL TMRS EXT:  
YES OR NO

EMACIATION CODE

OLD TAGS:

407A4A237C
423E16304F
407A33542C
+4 metal

NEW TAGS:

RFL
LFL

STRAIGHT CARAPACE - LENGTH:

cm

WIDTH:

cm

NOTCH LENGTH:

cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

cm

WIDTH:

cm

HEAD WIDTH:

cm

AXIAL:

cm

LATERAL:

cm

PPS: YES OR NO OR NE

SEX: Male, Female or Undetermined

TAIL LENGTH: T

cm

C

cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

cm

WEIGHT: #

DESCRIPTIVE REMARKS:

Small PC in mouth  
filament of

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END Punaluu 77  
7-7-04

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-7-04 Punaluu Hand Snorkel
PERSON RECORDING DATA: Katie Willis CVT

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

41037A1B3E
410377234A
+8metals

NEW TAGS:

RFL	
LFL	

STRAIGHT CARAPACE - LENGTH:

66.5 cm

WIDTH:

57.7 cm

NOTCH LENGTH:

66.3 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

71 cm

WIDTH:

68.5 cm

HEAD WIDTH:

10.2 cm

AXIAL: 25.6 cm

LATERAL: 25.7 cm

PPS: YES OR NO OR NE

—

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

13 cm

C 8 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

11.8 cm

PLASTRON LENGTH:

54.0 cm

WEIGHT:

— #

DESCRIPTIVE REMARKS:

Plastron looks a little thin

START  
FEB 2, 05  
Wednesday

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(1)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

12/2/05 PUNA CUU  
Jennifer Bach Hand Swath L

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:

YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

4135110B16 LH RFL  
407A40351C LFF. LFL  
F-13  
F-12

NEW TAGS:

45292D5D4E



RH

STRAIGHT CARAPACE-LENGTH:

~~55.1~~ 72.3 cm

WIDTH: 54.5 cm

NOTCH LENGTH:

72.3 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

77. cm

WIDTH: 67 cm

HEAD WIDTH:

10.9 cm

AXIAL: — cm

LATERAL: — cm

PPS: YES OR NO OR NE

SEX: Male, Female or Undetermined

0

TAIL LENGTH: T

18.5 cm

→ C 13 cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

55.4 cm

Pteroladia

WEIGHT:

— #

mouth sample

collected by  
Yumi USUI

DESCRIPTIVE REMARKS:

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Left side Bay (2)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05 Punaluu Hand/snorkle  
PERSON RECORDING DATA: Jen Bach

TUMOR SCORE:  (LFF)  
ORAL TMRS EXT: YES OR NO:   
EMACIATION CODE:  LH

OLD TAGS:  
LF4077 496 B02  
Q596  
Q597  
Q594  
4077582F19

NEW TAGS:  
RFL:   
LFL:   
RA: 443A1D0521  
RH

STRAIGHT CARAPACE - LENGTH: 63.2 cm WIDTH: 48.5 cm

NOTCH LENGTH: 63.2 cm DB:  L.O. VB:  L.O.

CURVED CARAPACE LENGTH: 68.5 cm WIDTH: 61 cm

HEAD WIDTH: 29.9 cm AXIAL:  cm LATERAL:  cm

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

TAIL LENGTH: T 13 cm C 9 cm

RIGHT FRONT FLIPPER WIDTH:  cm

PLASTRON LENGTH: 48.6 cm SAMPLES COLLECTED: Pterochadia

WEIGHT: 80 lbs # mouth sample

collected by Yumi USui

DESCRIPTIVE REMARKS:



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Right side  
 Bay

3

## SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05 Wednesday	Punaluu	Hand snorkel caught
PERSON RECORDING DATA:		

TUMOR SCORE

 0

OLD TAGS:

RH 422F0C2435

NEW TAGS:

ORAL TMRS EXT:  
YES OR NO
 —

LF 422F01619

RFL

LFL

EMACIATION CODE

 0

STRAIGHT CARAPACE LENGTH:

58.0 cm

WIDTH: 46.3 cm

NOTCH LENGTH:

58.0 cm

DB:  0 L.O.VB:  0 L.O.

CURVED CARAPACE LENGTH:

63.5 cm

WIDTH: 58.5 cm

HEAD WIDTH:

9.4 cm

AXIAL:  — cmLATERAL:  — cm

PPS: YES OR NO OR NE

 —
SEX: Male, Female  
or Undetermined
 0

TAIL LENGTH: T

12.5 cm

C 9 cm

RIGHT FRONT FLIPPER WIDTH:

 — cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

46.4 cm

WEIGHT:

65 NBS #

165

DESCRIPTIVE REMARKS:

--

D. Patterson  
7/29/73

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Left side Bay (4)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

2cm hook (crustacean) in ventral throat  
Removed

CAPTURE DATE, LOCATION AND METHOD:

2/2/05 Punaluu → Hand/snorkel caught

PERSON RECORDING DATA:

TUMOR SCORE:   
ORAL TMRS EXT: YES OR NO:   
EMACIATION CODE:

OLD TAGS:  
RF Q266  
LFF Q265  
RF Q264  
4077552C41 LFF  
407A2B3D08 LH

NEW TAGS:  
45246F1B2D  
Barcode  
(RH)

RH

STRAIGHT CARAPACE - LENGTH: 46.5 cm WIDTH: 56.7 cm

NOTCH LENGTH: 65.9 cm DB: 0 L.O. VB: 0 L.O.

CURVED CARAPACE LENGTH: 71.5 cm WIDTH: 66.7 cm

HEAD WIDTH: — cm AXIAL: — cm LATERAL: — cm

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

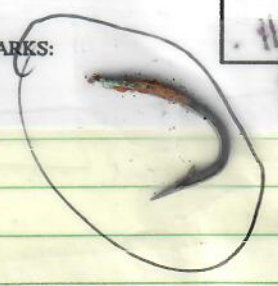
TAIL LENGTH: T 18 cm C 11.5 cm

RIGHT FRONT FLIPPER WIDTH: — cm SAMPLES COLLECTED: mouth

PLASTRON LENGTH: 50.5 cm Sample taken

WEIGHT: — # by yumi

DESCRIPTIVE REMARKS: 11 2cm Hook in neck - out  
Hook.



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SEA TURTLE TAGGING FORM

Left side of Beach

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05	Punalu'u	Hand/ Snorkel
PERSON RECORDING DATA: Dawn Patterson		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

LH	4454095A06
RH	4454173349

NEW TAGS:

RFL	
LFL	

STRAIGHT CARAPACE - LENGTH:

50.4 cm

WIDTH:

39.2 cm

NOTCH LENGTH:

50.4 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

54 cm

WIDTH:

48 cm

HEAD WIDTH:

8.0 cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

SEX: Male, Female  
or Undetermined

V

TAIL LENGTH: T

11.5 cm

C

7 cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

40.4 cm

WEIGHT:

40 #

DESCRIPTIVE REMARKS:

Revised 04/04/01

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

6

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT

2/02/05

CAPTURE DATE, LOCATION AND METHOD:

Punalu'u Beach	Hand snorkel
PERSON RECORDING DATA: Dawn Patterson	

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

J415
H193
H192
LFF: 40T1472B47
LH 4136330F15

NEW TAGS:

RFL	452A52606D
LFL	

STRAIGHT CARAPACE - LENGTH:

63.2 cm

WIDTH:

50.9 cm

NOTCH LENGTH:

63.2 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

69.5 cm

WIDTH:

64 cm

HEAD WIDTH:

9.6 cm

AXIAL:

 cm

LATERAL:

 cm

PPS: YES OR NO OR NE

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

15 cm

C

10 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

 cm

PLASTRON LENGTH:

47.8 cm

WEIGHT:

83 # 65

DESCRIPTIVE REMARKS:

Revised 04/04/01

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

7

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

Punalu'u	Hand Snorkel	2/2/05
PERSON RECORDING DATA: Dawn		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

✓

EMACIATION CODE

0

OLD TAGS:

R.H	422 DS2140E
L.H	423600 2B6D

NEW TAGS:

RFL	
LFL	

STRAIGHT CARAPACE - LENGTH:

55.1 cm

WIDTH:

44.4 cm

NOTCH LENGTH:

54.6 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

60 cm

WIDTH:

54 cm

HEAD WIDTH:

8.5 cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

SEX: Male, Female  
or Undetermined

0

TAIL LENGTH: T

12.5 cm

C

8 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

43.7 cm

*Pterocladia*

mouth  
Sample collected

WEIGHT:

48 #

DESCRIPTIVE REMARKS:

mouth sample collected

Tag Yumi:  
0501

Revised 04/04/01

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

Left side Bay

⑧

## SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05	Punalu'u	Hand/snorkle
PERSON RECORDING DATA:		

TUMOR SCORE

ORAL TMRS EXT:  
YES OR NO

EMACIATION CODE

OLD TAGS:

RH	422218533C
LH	4414574C3E
RF	165Z
LF	164Z
LH	167Z
RH	166Z

NEW TAGS:

RFL	
LFL	

STRAIGHT CARAPACE - LENGTH:

 cm
 ~~62.7~~ cm  
 WIDTH:  cm

NOTCH LENGTH:

 cmDB:  L.O.VB:  L.O.

CURVED CARAPACE LENGTH:

 cmWIDTH:  cm

HEAD WIDTH:

 cmAXIAL:  cmLATERAL:  cm

PPS: YES OR NO OR NE

SEX: Male, Female  
or Undetermined

TAIL LENGTH: T

 cmC  cm

RIGHT FRONT FLIPPER WIDTH:

 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

 cm*Pterocladia*

WEIGHT:

 #mouth sample  
taken by yumi

DESCRIPTIVE REMARKS:

Revised 04/04/01

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

caught  
Right side bay

Go to page 91  
(9)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05	Punalu'u	Hand/snorkle
PERSON RECORDING DATA: Jenny Bach		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

1

EMACIATION CODE

0

OLD TAGS:

/
/
/
/

NEW TAGS:

RFL

45237A4925

LFL



4455056321



AH  
RH

STRAIGHT CARAPACE - LENGTH

54.0 cm

WIDTH:

43.7 cm

NOTCH LENGTH:

54.0 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

58.5 cm

WIDTH:

53.5 cm

HEAD WIDTH:

8.4 cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

—

SEX: Male, Female  
or Undetermined

0

TAIL LENGTH: T

12.5 cm

C

85.1 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

24.1 cm

WEIGHT:

53 lbs #

DESCRIPTIVE REMARKS:

cell 808 938-7177 Darren Kawahana

July 7, 04

SEND PICTURES

send coloring books

Bethany & Allie Karthaus  
2201 Briar Cliff Rd.  
Jasper, AL 35504

Aunt

Your assistant

Katie Wills  
PO BOX 272  
Honolulu HI 96728

Aunt

send Tattoo + other pictures  
CVT

A very nice and helpful person  
HAS "DADDY'S GIRL"  
TATTOOED ON her back.

send coloring book

Kate Edsinger  
53811 Pinot Ct  
Pleasanton CA 94566

Aunt

Volcanoes National Park Inters: 7/7/04 Wednesday

need

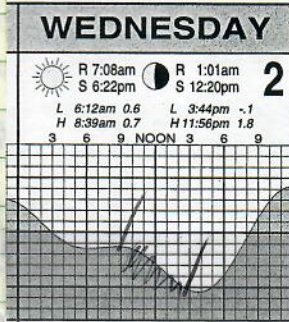
- Cartney Endres cendres@alumni.princeton.edu
- Darron Smith darron@hawaii.edu
- Jeff Kutz so-far-gone@hotmail.com
- Stephen Yahn skyahn.83@hotmail.com

we talked about grad school

Took A Jumbo and 2 medium <sup>ANIMAL</sup> carrier to Kanehane  
to try to find heavily tanned turtles (green) to remove 47955 set



wednesday  
Feb 2, 05



2/2/05 Depart Kapoho Beach  
Lots ~ 8am w/ Rich Herren  
(Arrived Kapoho 1/31/05 Monday)  
(See Kapoho Book III  
TRIP NO. VIII)

ARRIVE Punaluu ~ 9am met  
JOHN, WALT Dudley, Peter Mills + ~30  
Cooney <sup>Students</sup>

WALT & I gave talks to them, before proceeding  
in teams to snorkel & hand catch. Low tide,  
overcast. wind calmed to near still. Not as many large  
Tourist Buses - maybe none, just VANS.

Saw and talked to "Pale Kapu" - (Ralph Dodman)  
haven't seen or talked to him for many years  
Photo taken with him.

Also with "JOHN" - old timer known him for years  
Picture also w/ Mrs. Jesmelle Howard,

POND AT Punaluu Filled with Water Hyacinth

(13 Captives made,  
4 later tog recovery of basking)

Talked to many people - handed out literature

Finished ~ 2:30pm but spent about an hour  
walking and talking feeding logs measuring  
4 baskers - 3 toward Pavilion end,  
one about ramp beach.

Hide wrote Japanese alternative because  
Tour drivers are telling Japanese visitors  
it's prohibited to take pictures of the turtles

- Peter Mills - need Carcass
- WT/SCL/CC Punaluu 1980s - 2000s  
(Also KUTOLO)
- Turtle Book for Dawn Patterson + Photos w/PIT #s  
7/29/73 see FFS book
- Xerox DATA TO Yumi (C/O KARLA)
- ID Cecile Walsh (Nugget Tattoo) CecileWalshPhoto.com
- + JENWATINE@yahoo.com
- need Fish hook necklace

Pictures

- need Walk to "Turtle Bay"
- "Pond turtle" reported several weeks ago by  
person staying in condos.
- Visit Thailand
- Hawaii monument
- Stick on sign saying it's ok to take pictures,  
(EMAIL GUY) see Japanese text
- BASKING counts? Guy
- Mail to NANCY (Tattoo design) + Picture MTN



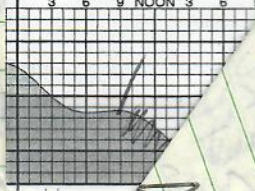
2/2/05  
Wed. Depart Punaluu - 4pm back to Kapoho -  
Marc + Jill + 5HPA already there. Rich departed  
soon after arrival for trip back to Howolulo.



wednesday  
Feb 2, 05

WEDNESDAY

R 7:08am S 6:22pm  
L 6:12am 0.6 H 8:39am 0.7  
R 1:01am S 12:20pm  
L 3:44pm -1 H 11:56pm 1.8  
3 6 9 NOON 3 6 9



happy by  
a few

1980's  
see EFS pack - photos w/PT #s  
Cecile Walsh (hawaii.com)

wednesday  
Carcass - 2000's

Wednesday  
Redsails on WaiholoA

hawaii.edu  
hawaii.edu  
hawaii.edu  
yahoo.com  
hawaii.edu

89

lilokidoki 21 @ yahoo.com  
iaka - from okinawa. taka\_0906@hotmail.com

Vander Veur → j.jenvwahine@yahoo.com  
Feliu Crusafon (SPAIN) consellerencap@yahoo.es

JIM GUNDERSON

Yumi Utsui

Julia Mastawe

Phillip Dionne

Daniel Franke

Lisa Shizuma ← MASA

Barbara Luehrs

Peter Mills

Honnie Miller

Stephanie Markee

Shannon Northrop

Sierra Su gr ne

Shelley Steele

+ Rick Herren, WALT DUDLEY, JOHN COONEY

L\_dpike@att.net

phill84@yahoo.com

dfranke@hawaii.edu

shizumal@hawaii.edu

luehrs@hawaii.edu

mills@hawaii.edu

MOKUHONU@hotmail.com

sharkdiva@hotmail.com

northrop@hawaii.edu

ssuigrne@hawaii.edu

steelesh@hawaii.edu

# Student Participation

2/2/05 ~~Thursday~~ Wednesday

+ Dawn PATERSON

Jenny Bach STRANDS student FATHER own's Red sails at Hilton Waikoloa

Noelle Rucinski

rucinski@hawaii.edu

EFF KUTZ

jkutz@hawaii.edu

Kevin Demmeyer

Joshi VALDEZ

joshuava@hawaii.edu

Katie WILLSCUT

ktwillswa@yahoo.com

Linda Tran

linda@hawaii.edu

Alyxandria Barber

Ashley Heard

LAM WAN TONG PAUL

Starr Momohara

lilokidoki21@yahoo.com

Hideaki Taka - from Okinawa. taka\_0906@hotmail.com.

~~Jennifer~~ Vander Veur → j.jenvv@hawaii.edu

Felie Crusafon (SPAIN) consellerencap@yahoo.es

JIM GUNDERSON

Yumi Usui

Julie Mastowe

lspike@att.net

Phillip Dionne

phill84@yahoo.com

Daniel Franke

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Lisa Shizuma - MWA

shizumal@hawaii.edu

Barbara Luehrs

luehrs@hawaii.edu

Peter Mills

mills@hawaii.edu

Honnie Miller

mokuhonu@hotmail.com

Stephanie Markee

sharkdiva@hotmail.com

Shannon Northrop

northrop@hawaii.edu

Sierra Su gr ne

ssugr@hawaii.edu

Shelley Steele

steelesh@hawaii.edu

+ Rick Herren, WALT DUDLEY, JOHN COONEY

INTERESTED IN STRAND TERMS

Need PHOTO

Cecile's friend

Framp. 86

P.C + HOWAR

Revised 04/04/01

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

(10)

SEA TURTLE TAGGING FORM

Left Bay

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05 Punalu'u Snorkel / hand

PERSON RECORDING DATA: Jenny Bach

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

none

NEW TAGS:

445218260D

44522C321E

STRAIGHT CARAPACE - LENGTH:

55.9 cm

WIDTH: 45.8 cm

NOTCH LENGTH: 55.9 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

60 cm

WIDTH: 57 cm

HEAD WIDTH: 9.3 cm

AXIAL: - cm

LATERAL: - cm

PPS: YES OR NO OR NE -

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 14.5 cm

C 9.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: 44.6 cm

Pterodactylia

PLASTRON LENGTH: 44.6 cm

mouth sample

WEIGHT: 65 lbs #

Taken

DESCRIPTIVE REMARKS:

by Yumi OSU

picture w/ photo patterns see p. 96

Revised 04/04/01

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

Left Shallow Bay

11

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

Punaluu	2/2/05	Hand (snorkel)
PERSON RECORDING DATA:		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

none

NEW TAGS:

RFL	445268532A
LFL	4454736100

STRAIGHT CARAPACE - LENGTH:

44.8 cm

WIDTH:

35.4 cm

NOTCH LENGTH:

44.6 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

49 cm

WIDTH:

43.5 cm

HEAD WIDTH:

7.0 cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

SEX: Male, Female or Undetermined

0

TAIL LENGTH: T

10.5 cm

C

7.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

34.7 cm

WEIGHT:

29 #

DESCRIPTIVE REMARKS:

Book for *DAWN*

Revised 04/04/01

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

12

left side  
Bays

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05	Punalu'u	Hand/ <del>snorkel</del> Snorkel
PERSON RECORDING DATA:		

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/> 0	LAH 424D7C0766	LA RFL
ORAL TMRS EXT: YES OR NO	RHW <del>424E3F0149</del>	RA. LFL
<input type="checkbox"/> —	RH 424E3F0149	
EMACIATION CODE		
<input type="checkbox"/> 0		

STRAIGHT CARAPACE - LENGTH:  cm      WIDTH:  cm

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

CURVED CARAPACE LENGTH:  cm      WIDTH:  cm

HEAD WIDTH:  cm      AXIAL:  cm      LATERAL:  cm

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

TAIL LENGTH: T  cm      C  cm

SAMPLES COLLECTED: *Perocladia*

RIGHT FRONT FLIPPER WIDTH:  cm      month

PLASTRON LENGTH:  cm      Sample taken

WEIGHT:  #      by yumi

DESCRIPTIVE REMARKS:

Revised 04/04/01

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

(13)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05 Puna'u'u Hand snorhel

PERSON RECORDING DATA: Jenny

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

R594  
R595  
J-424  
R-596  
LH 407A356945

NEW TAGS: old

407D0F0444 RFA  
New:  
4452734A79  
RF

STRAIGHT CARAPACE - LENGTH:

61.6 cm

WIDTH:

49.3 cm

NOTCH LENGTH:

61.6 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

65.5 cm

WIDTH:

59 cm

HEAD WIDTH:

10.0 cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

—

SEX: Male, Female or Undetermined

0

TAIL LENGTH: T

13. cm

C

9 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

48.5 cm

WEIGHT:

65 #

DESCRIPTIVE REMARKS:



need send picture of 2. KAPOHO TIDE POOL

Revised 04/04/01

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

*Nuggett*  
Cecile Walsh @ hotmail.com  
jenwahine @ yahoo.com

Go to page 112 (14)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05 PUNALOHU BASKING - Pavilion side beach  
PERSON RECORDING DATA: Cecile Walsh BASKING PARTY IN TIDE POOL

TUMOR SCORE  
 LH  
ORAL TMRS EXT: RH  
YES OR NO  
 LFF

OLD TAGS:  
407A9A237C  
423E16309F  
407A335A2C  
Metal tags

NEW TAGS:  
RFL  
LFL  
Seen but now examined

EMACIATION CODE

STRAIGHT CARAPACE - LENGTH: 62.9 cm WIDTH: 51.8 cm

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

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: cm AXIAL: cm LATERAL: cm

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

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

see p. 92



2/2/05

## Big Isle residents fear development will ruin the fragile Kau oceanfront



COURTESY OF JULIA NEAL

**Guy Enriques, volleyball coach for Kamehameha School in Keaau, grew up in Punaluu and would like to see the area preserved for future generations. He and his son Evan study marine life, fish with throw nets, surf, swim and take their boat out along the Kau coastline.**

By Peter Serafin

Special to the Star-Bulletin

11/22/04 A1

**P**AHALA, Hawaii >> The Polynesians who discovered Hawaii landed first in Kau on the Big Island — a district larger than the entire island of Oahu.

Today, Kau's 80 miles of coastline between South Kona and Volcano remain essentially untouched.

But in today's booming real estate market, large tracts of Kau, including environmentally fragile stretches of coastline that include fishponds, estuaries and marine nesting areas, are up for sale and, many say, ripe for development.

Families are now seeing oceanfront playgrounds they have used for generations being sold off to outsiders.

And that has become a major concern among residents who live along this southern stretch of the island. Many of them are banding together on several fronts to fight "irresponsible development," which they say will destroy both the ecological diversity and agricultural economy of the region.

"This is the last unspoiled coastline in Hawaii," said longtime

*Please see Kau, A7*



### Growing threat

*Residents of the Big Island's southern coastline fear a booming real estate market will destroy their way of life.*

## Kau: Beaches provide nesting grounds for sea turtles

Continued From A1

resident-turned-land-use activist John Replogle.

"Everything is up for sale here. If we want to preserve our rural character, we have to start planning now," he said.

Despite the long coast, only a single 5-mile section of shoreline is easily accessible without using four-wheel-drive vehicles or driving 12 miles to South Point.

These sites also contain ancient heiau and other culturally or environmentally significant features. Best known is the black-sand beach at Punaluu. Popular with residents and visitors alike, Punaluu is also an important nesting area for the endangered hawksbill and green sea turtles.

Kawa Beach is a longtime camping, surfing and fishing spot that is part of a 315-acre parcel sold several years ago.

Honuapo (Whittington Beach) was purchased by a California company for \$2.8 million after Kau Sugar shut down. The county still owns and maintains a small beach park with restroom facilities.

Federal and local elected officials are aiding the preservation efforts. Last summer, the Department of the Interior bought 116,000 acres of Kahuku Ranch adjacent to Hawaii Volcanoes National Park, increasing the park size by 60 percent. At the dedication ceremony on Sept. 2, U.S. Sen. Daniel Inouye announced that he and U.S. Rep. Ed Case are also trying to acquire the remaining Kahuku land makai of Highway 11. That 1,500-acre parcel includes the Sam Damon ranch house and other historic ranch buildings from the 1870s.

"We are in a race against time," said Inouye at the dedication. "As the urban sprawl continues to spread beyond Oahu and into our neighbor islands ... we must be very vigilant in setting aside that which must be protected."

Hawaii County Councilman, Bob Jacobson, representing Puna, Kau and South Kona, wants the county to issue a bond to purchase coastal wetlands and park lands at Punaluu,



COURTESY OF JULIA NEAL

Kau resident Keola Hanoa weaves coconut fronds at Punaluu Black Sand Beach along the Big Island's southern coastline.

Kawa and Honuapo.

"These are precious resources that benefit the entire island," said Jacobson. He noted that in private hands these areas would not necessarily remain open to the public. One group is working to set up a Kau Land Trust to buy coastal areas on the market. Conservationist and former rancher Replogle calls the situation "an emergency." Local Realtor Mack McClelland cited the probable development of the coastline between Punaluu and Honuapo.

"We don't have a lot of time," he said. "I have people coming over here with cash you cannot believe."

One long-standing concern for residents is the possible sale of Sea Mountain at Punaluu — a 433-acre property that includes an 18-hole golf course, tennis courts and undeveloped land extending mauka of Highway 11, the southern route connecting Hilo and Kona.

The Sea Mountain sales Web site, operated by real estate firm Grub & Ellis, includes a "proposed resort master plan" calling for the construction of several new roads to reach dozens of single-family residential lots, areas zoned multifamily and "downtown" commercial/hotel districts just above the beach.

The Web site also states that "Hawaii County has a liberal zon-

ing code which allows you to develop each parcel in accordance with its designated zone plus other permitted uses listed under each corresponding zoning."

Portions of the golf course closest to the Punaluu beach park are zoned V-15 (resort-hotel) or RM-2 (multifamily residential). Residents fear that the fragile black-sand beach would not be able to survive such development.

The County of Hawaii leases land from Sea Mountain for its Punaluu campground, beach showers and picnic pavilions — a lease that the new owner could terminate with 60 days' notice. Brooks Borrer, managing director of Grub & Ellis' Kona office, did not return a call from the Star-Bulletin seeking comment.

But Sea Mountain is just one of many worries.

Residents fighting to preserve the agricultural base of the region failed to block a proposed housing project 1.5 miles above Pahala on former C. Brewer sugar cane land. Despite last-minute discussions on Nov. 12 with a 12-member delegation from Kau, Mayor Harry Kim signed a law that rezones 172 acres of land into 17 house lots of five to 12 acres.

"Ag is my bag," said local farmer and longshoreman Kyle Soares, who advocated leasing the land to farmers who will actually work it.

SAT 5/14/05 Honolulu Advertiser

# 5.1 quake rouses Ka'u residents but there's no damage

**BY CURTIS LUM**  
Advertiser Staff Writer

The strongest earthquake recorded in Hawai'i in six years jolted some Big Island residents out of bed just after midnight yesterday, but caused no damage.

The earthquake had a magnitude of 5.1 and began at 12:06 a.m. The quake was offshore near the Lō'ihi seamount and about 27 miles from Nā'ālehu on the southeast side of the Big Island.

Lanny Nakano, acting administrator with Hawai'i County Civil Defense, said there were no reports of injuries or damage. Also, the quake did not generate a tsunami, he said.

But Nakano said his office received many calls from people who felt the ground shake.

"All the ones that called said no damage, but they were just

"It just started coming and got a little strong and then it kind of simmered down," said Wong Yuen, a library assistant at the Pāhala Public School and Library. "Then it got a little strong again and kept going and there and you just kind of lay stop? Is it going to come harder?"

Wong Yuen said she's lived in Pāhala for 24 years and has been through many earthquakes, including a major temblor in 1983 that damaged her home. But she said yesterday's quake will be remembered as one of the stronger ones.

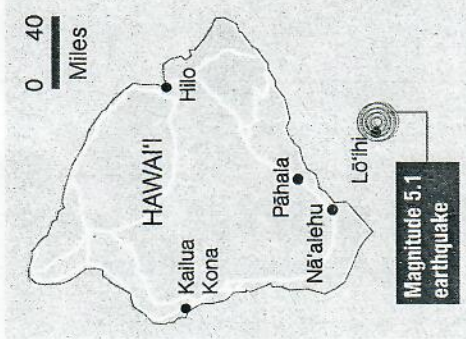
"When it starts rolling you get kind of concerned, like, 'Is it just going to continue?' and you just get really slammed after that," she said. "Having a big aquarium filled with water, you

kind of worry about that spilling over and ruining the carpet."

Steve Brantley, deputy scientist in charge at the Hawaiian Volcano Observatory, said the cause of the earthquake was not known yesterday. But at 25 miles below Earth's surface, Brantley said, it may be related to the magma-generation zone beneath Lō'ihi, a submerged active volcano about 20 miles south of the Big Island.

Brantley said there have been three earthquakes recorded in Hawai'i with a magnitude of 5 or greater since January 2000, and yesterday's quake was the largest in six years. The last magnitude-5 earthquake occurred on Aug. 26, 2003, he said.

Reach Curtis Lum at 525-8025 or [culum@honoluluadvertiser.com](mailto:culum@honoluluadvertiser.com).



The Honolulu Advertiser

concerned because it was a pretty good jolt," Nakano said.

Debbie Wong Yuen said she was asleep in her Pāhala home when she felt a "quick jolt." Then it really got wild.

6/29/05 Punahou

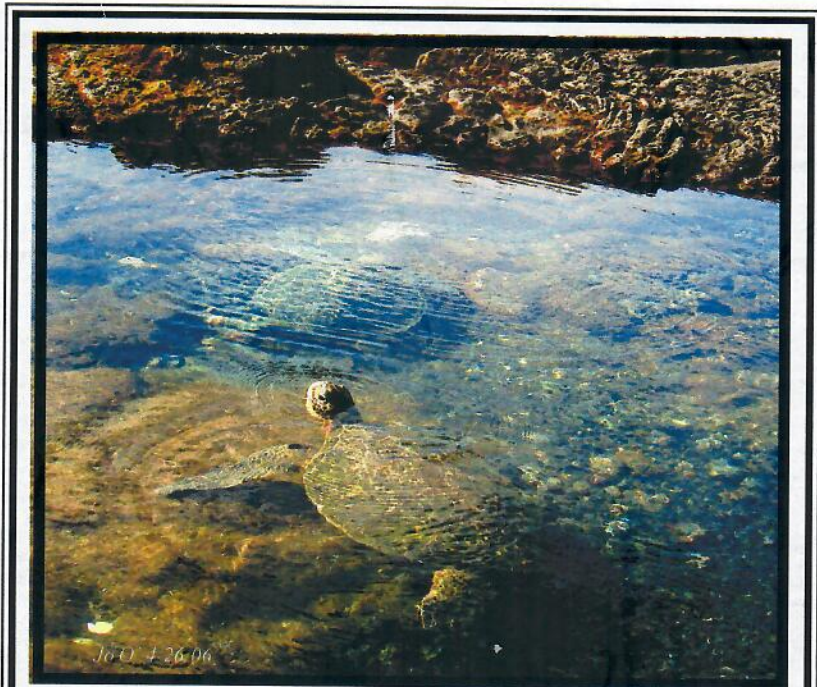
volunteers

Colleen Collins = Ironman Lady  
Castlin Kryss  
Jan Bach  
Tanya deCambrá  
Sierra Tobiason

winner Kelly Williams

	Name
✓	Bowdry, Rosanne
✓	Evans, Lisa
✓	Hall, Gretchen
✓	Maloney, Krista
✓	Miyazato, Yuko
✓	Sahlstrom, Sabrina
✓	Smith, Elliot
✓	Trouard, Justin
✓	Williams, Malia
✓	Williams, Tyrrel

WILSON 20/08/02



100 4 26 06

Hawksbill Turtles in Punaluu Healing Pond

# 5.1 quake rouses Kai'i

BY GERTIE LUI  
Advertiser Staff Writer

The largest earthquake recorded in Hawaii in six years roused the big island residents as if had felt her midnight rowdiness, but it was not an

quake. The earthquake hit a long stretch of 5.1 and 5.2 at 2:07 p.m. The quake was felt over a 200-mile stretch from the coast to the south side of the Big

Island. Many Hawaii residents, including the state's Governor, said they were surprised to feel the quake. Some reported damage to houses and

businesses. The quake did not get as deep as some reports said. It was only 10 miles deep, said the state's Department of Land and Natural Resources. The quake was felt by many people who were not in the area that called it an earthquake, but they were just

If we don't they won't

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

1

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

6/29/05 UNALUU  
PERSON RECORDING DATA: BEATRICE LELIURE Hand Snorkel

TUMOR SCORE

0

ORAL TMRS EXT:

YES OR NO

1

EMACIATION CODE

0

MT#

OLD TAGS:

161- RFF  
160-Z LFF  
163-Z RHF  
4077315 B 32 LFF

OLD

NEW TAGS:

RHF 423B2A 7723 LHF  
LHF 42366 80F55RHF

STRAIGHT CARAPACE - LENGTH:

59.7 cm

WIDTH: 48.4 cm

NOTCH LENGTH:

59.7 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

63.5 cm

WIDTH: 59.0 cm

HEAD WIDTH:

9.5 cm

AXIAL: 23.2 cm

LATERAL: 22.9 cm

PPS: YES OR NO OR NE

0

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

44.5 cm

C 95 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

44.9 cm

WEIGHT:

63.0 #

GLUCOSE:

GB MR

DESCRIPTIVE REMARKS:

Lower jaw  
lower mandible has 2 worn grooves  
3 white paint dots.



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7

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

6/29/05	Punalu'u	Hand Punalu'u
PERSON RECORDING DATA: GERRIE BELIEVE SNORKEL		

TUMOR SCORE <input type="text" value="0"/>	OLD TAGS: 422D70DIA RHF	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="text" value="1"/>		RHF
EMACIATION CODE <input type="text" value="0"/>		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 AXIAL:  cm LATERAL:  cm

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

TAIL LENGTH: T  cm C  cm

RIGHT FRONT FLIPPER WIDTH:  cm SAMPLES COLLECTED:

PLASTRON LENGTH:  cm

WEIGHT:  # GLUCOSE: GB MR

DESCRIPTIVE REMARKS:

3 white paint dots

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SEA TURTLE TAGGING FORM

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Marine Turtle Research  
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Honolulu, HI 96822-2396

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

29/6/05 PUNALU'U Hand SPOOKED  
PERSON RECORDING DATA: ~~SEATRICE~~ ~~LELURE~~

TUMOR SCORE

0

ORAL TAGS EXT.

YES OR NO

✓

EMACIATION CODE

4

MT#

OLD TAGS:

RHF 2594

LFF 2595

RHC 4452734189

RHF 5424

LHF 2596

NEW TAGS:

RHF 40407A

LHF 356945

LHF 45(LHF)

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

6/29/05 PUNALU'U Hand SPOOKED  
PERSON RECORDING DATA: ~~SEATRICE~~ ~~LELURE~~

TUMOR SCORE

0

ORAL TAGS EXT.

YES OR NO

✓

EMACIATION CODE

0

MT#

OLD TAGS:

RHF 442F1C7973

LHF

LHF 45241F0B49

STRAIGHT CARAPACE - LENGTH

61.9 cm

NOTCH LENGTH

61.9 cm

CURVED CARAPACE LENGTH

10.0 cm

HEAD WIDTH

13.0 cm

PFS: YES OR NO OR NE

TAIL LENGTH

T 13.0 cm

RIGHT FRONT FLIPPER WIDTH

PLASTRON LENGTH

49.1 cm

WEIGHT

65.0 #

DESCRIPTIVE REMARKS:

P6 in months

WIDTH

49.5 cm

DB:

0 L.O.

WIDTH

59.0 cm

AXIAL:

22.7 cm

LATERAL:

21.9 cm

SEX: Male, Female or Undetermined

9.0 cm

SAMPLES COLLECTED:

GLUCOSE:

GB MR

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

6/29/05 PUNALU'U Hand SPOOKED  
PERSON RECORDING DATA: ~~SEATRICE~~ ~~LELURE~~

TUMOR SCORE

0

ORAL TAGS EXT.

YES OR NO

✓

EMACIATION CODE

0

MT#

OLD TAGS:

RHF 442F1C7973

LHF

LHF 45241F0B49

STRAIGHT CARAPACE - LENGTH

60.4 cm

NOTCH LENGTH

60.4 cm

CURVED CARAPACE LENGTH

65.5 cm

HEAD WIDTH

9.6 cm

PFS: YES OR NO OR NE

TAIL LENGTH

T 15.5 cm

RIGHT FRONT FLIPPER WIDTH

PLASTRON LENGTH

48.6 cm

WEIGHT

73 #

DESCRIPTIVE REMARKS:

WIDTH

45.6 cm

VB:

0 L.O.

WIDTH

57.5 cm

LATERAL:

24.2 cm

SEX: Male, Female or Undetermined

11.0 cm

SAMPLES COLLECTED:

GLUCOSE:

GB MR

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 11/02/29/05

CAPTURE DATE, LOCATION AND METHOD: 6/29/05 Punaluu - head snorkel

PERSON RECORDING DATA: Jenny Bach

TUMOR SCORE	0
ORAL TAGS EXT. YES OR NO	6
EMACIATION CODE	0
MTW	

NEW TAGS:	
RHF	RHF 4106091416
LHF	4077570709
LFF	4070273906

STRAIGHT CARAPACE - LENGTH: 69.0 cm

NOTCH LENGTH: 69.0 cm

CURVED CARAPACE LENGTH: 10.5 cm

HEAD WIDTH: 13.5 cm

PFS: YES OR NO OR NE: -

TAIL LENGTH: T 14.5 cm

WIDTH: 54.9 cm

DB: 17.0 cm

AXIAL: 13.5 cm

LATERAL: - cm

SEX: Male, Female or Undetermined: U

TAIL LENGTH: T 13.0 cm

RIGHT FRONT FLIPPER WIDTH: - cm

PLASTRON LENGTH: 62.9 cm

WEIGHT: 95.0 #

SAMPLES COLLECTED:

GLUCOSE: GB MR

DESCRIPTIVE REMARKS:

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 11/02/29/05

CAPTURE DATE, LOCATION AND METHOD: Punaluu - snorkel

PERSON RECORDING DATA: Jenny Bach

TUMOR SCORE	0
ORAL TAGS EXT. YES OR NO	6
EMACIATION CODE	0
MTW	

OLD TAGS:	
R66	LFF
407A	45487F
R67	RFF
R68	LHF

STRAIGHT CARAPACE - LENGTH: 61.9 cm

NOTCH LENGTH: 61.6 cm

CURVED CARAPACE LENGTH: 67.0 cm

HEAD WIDTH: - cm

PFS: YES OR NO OR NE: -

TAIL LENGTH: T 13.0 cm

WIDTH: 49.0 cm

DB: 0 L.O.

AXIAL: 25.0 cm

LATERAL: 24.2 cm

SEX: Male, Female or Undetermined: U

TAIL LENGTH: T 8.0 cm

RIGHT FRONT FLIPPER WIDTH: 9.1 cm

PLASTRON LENGTH: 47.9 cm

WEIGHT: 72.0 #

SAMPLES COLLECTED:

GLUCOSE: GB MR

DESCRIPTIVE REMARKS:

Note: PC in mouth

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2570 Dole Street  
Honolulu, HI 96822-2396

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 11/0/29/105

CAPTURE DATE, LOCATION AND METHOD:  
Punaluu Handsnorkel Jenny Bach

PERSON RECORDING DATA: Jenny Bach

TUMOR SCORE 0

ORAL TMRS EXT: YES OR NO 1

EMACIATION CODE 0

NEW TAGS:

RHF	4077562C4	LFF	Q264 (LFF)
LHF	45246F1B2D		
	Q2206 (RHF)		
	Q2205 RFF		

STRAIGHT CARAPACE - LENGTH: 66.5 cm

NOTCH LENGTH: 66.3 cm

CURVED CARAPACE LENGTH: 71.5 cm

HEAD WIDTH: 10.1 cm

PPS: YES OR NO OR NE

TAIL LENGTH: T 50.5 cm

RIGHT FRONT FLAPPER WIDTH: 10.7 cm

PLASTRON LENGTH: 50.7 cm

WEIGHT: 89 #

DESCRIPTIVE REMARKS: Plastron plift

GLUCOSE: CB

MR

SAMPLES COLLECTED:

Revised 01/17/03

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

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 11/4/105

CAPTURE DATE, LOCATION AND METHOD:  
Punaluu Handsnorkel

PERSON RECORDING DATA: Jenny Bach

TUMOR SCORE 0

ORAL TMRS EXT: YES OR NO 1

EMACIATION CODE 0

OLD TAGS:

RHF	R91	LFF	423E16304F
LHF	R90		407A33542C
	R92		407A4A287C
	K592		

STRAIGHT CARAPACE - LENGTH: 64.8 cm

NOTCH LENGTH: 66.6 cm

CURVED CARAPACE LENGTH: 70.0 cm

HEAD WIDTH: 9.7 cm

PPS: YES OR NO OR NE

TAIL LENGTH: T 16.5 cm

RIGHT FRONT FLAPPER WIDTH: 4 cm

PLASTRON LENGTH: 52.1 cm

WEIGHT:

DESCRIPTIVE REMARKS: very clean skull

GLUCOSE: CB

MR

SAMPLES COLLECTED:

Handwritten notes in a box:  
2/05  
63.9 cm  
1993  
40.4  
21.165

Handwritten circled number: 8

Handwritten notes in a box:  
1996  
50.2 SC  
2/05 66.5

Handwritten circled number: 7

Handwritten number: 56.7

Handwritten notes: 20 in mark, Plastron plift

## MOP Alumni Crowned Miss Hawai'i

The month of June brought smiles and celebrations to MOP, the University of Hawai'i, and Malika Dudley, a UH Mānoa graduate and former MOP student. Dudley was recently crowned Miss Hawai'i. Her win carries her through the ranks as a contestant in the renowned Miss America pageant where she will compete with women from across the US for the coveted title of "Miss America."

Malika is the daughter of UH Hilo Oceanography Professor, Walter Dudley, Ph.D. and UH Hilo French Instructor, Kamila Dudley.

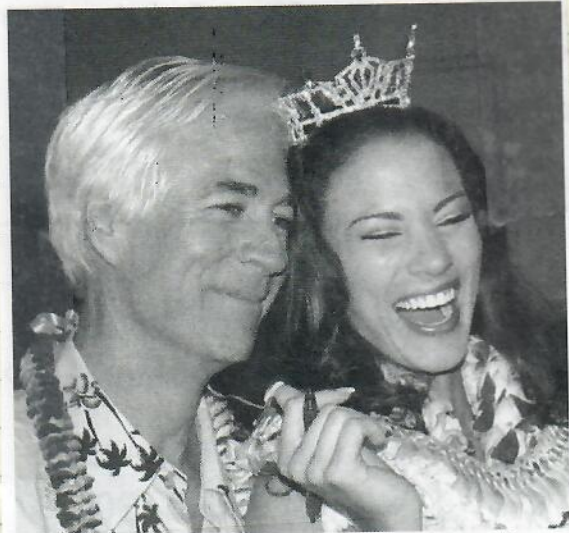
Read more about Malika, her background, and her future as Miss Hawaii at the Hawai'i Tribune-Herald:

[www.hawaii.edu/ur/newslinks/tribune/tribune050613.html](http://www.hawaii.edu/ur/newslinks/tribune/tribune050613.html)

From the staff and students of MOP,

**Congratulations  
Malika!**

## Updates



UH's Malika Dudley: Miss Hawaii

MELE



KALIKIMAKA

DEC 2005

Happy  
 Hau'oli Makahiki  
 year  
 new Hou.

Me ke Aloha Pūmehana,  
 with warmest love,  
 The Howards  
 of Punahoa Black Sand Beach  
 Jeanette & Arnold

Hey George -

2/05

Just wanted to send these out for you. Thanks again for letting me help with your program. I always look forward to it 😊

I think the photo of you (your T-shirt) & the ham is adorable.

If there is anyway one day I could get a long sleeve N.M.F.S., I would ♥ it. If you sell them, I would be happy to buy one also.

I do have email nowadays,  
Dawnanela1@aol.com.

Hope to see you soon -

Take care  
Dawn

From page 95

Revised 04/04/01

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

(15)

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2/2/05 Pavilion-side beach  
 PERSON RECORDING DATA: Cecile Walsh BASKING

TUMOR SCORE

0

OLD TAGS:

LH 413E147E50  
 LFF 407A546D3D

NEW TAGS:

RFL  
 LFL

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

STRAIGHT CARAPACE - LENGTH: 72.0 cm

WIDTH: — cm

NOTCH LENGTH: — cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH: — cm

WIDTH: — cm

HEAD WIDTH: — cm

AXIAL: — cm

LATERAL: — cm

PPS: YES OR NO OR NE —

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:

[Redacted area]



Revised 04/04/01

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

76

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

2-2-05	Punaluu	B
PERSON RECORDING DATA: Ceate Walsh		Basking

TUMOR SCORE

ORAL TMRS EXT. YES OR NO

EMACIATION CODE

OLD TAGS:

424D507C7F
435B5006113

NEW TAGS:

RFL
LFL

STRAIGHT CARAPACE - LENGTH:  cm      WIDTH:  cm

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

CURVED CARAPACE LENGTH:  cm      WIDTH:  cm

HEAD WIDTH:  cm      AXIAL:  cm      LATERAL:  cm

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

TAIL LENGTH: T  cm      C  cm

RIGHT FRONT FLIPPER WIDTH:  cm

PLASTRON LENGTH:  cm

WEIGHT:  #

DESCRIPTIVE REMARKS:

SAMPLES COLLECTED:

MARGINAL Very  
 ABRASION BOTH SIDES  
 + LH 7/8 MISSING/Healed  
 BUT has metal TAG

Need WTRK NOT FOR TOPS written  
Picture of Cecile's hana tattoo of turtle

pictures ok 15' away

48 cm  
x 3.5 cm  
not for TOPS  
SPACE

End

DATE FORM FILLED OUT / /

(17)

CAPTURE DATE, LOCATION AND METHOD:

2/2/05

Punaluu

Basking boat Ramp beach

PERSON RECORDING DATA:

TUMOR SCORE

0

RH

OLD TAGS:

424 D786F56

ORAL TMRS EXT:

YES OR NO

1

LH

4077 30A345

NEW TAGS:

RFL

LFL

EMACIATION CODE

0

STRAIGHT CARAPACE - LENGTH:

64.3 cm

WIDTH:

1 cm

NOTCH LENGTH:

1 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

1 cm

WIDTH:

1 cm

HEAD WIDTH:

1 cm

AXIAL:

1 cm

LATERAL:

1 cm

PPS: YES OR NO OR NE

1

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

1 cm

C

1 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

1 cm

PLASTRON LENGTH:

1 cm

WEIGHT:

1 #

DESCRIPTIVE REMARKS:

photo with photo 155  
WITH SIGNS

Need 写真撮るは撮る、4.5m以上離れて下さい  
NOT FOR TOPS  
By Hide

*Faint handwritten notes at the top of the page, possibly including the word "price".*

*Faint handwritten notes on the left margin.*

*Faint handwritten notes on the left margin, possibly a list or index.*



*Faint handwritten notes at the bottom of the page.*

7-7-04 Picked by

(native)

Acanthopora  
Pacifica

KATEA McDERMID  
AT Punalouy KAU.  
We both ate a  
Small amount - Very bitter.



FAID IN  
Grey [unclear]

20/5/05

5-7-04  
Parker



2/2/05

284317

CUSTOMER'S ORDER NO.		DATE	
		3/10/04	
NAME			
Honu O Punalu'u			
ADDRESS			
P.O. Box 355			
CITY, STATE, ZIP			
Pahala HI 96777			
SOLD BY	CASH	C.O.D.	CHARGE ON ACCT.
			MDSE RETD.
			PAID OUT
QUAN.	DESCRIPTION		AMOUNT
1	25 days @ 10 <sup>00</sup> /day		
2			
3	total \$ 250 <sup>00</sup>		
4			
5	Honu observations		
6	@ Punalu'u		
7	Black Sand Beach		
8			
9	<u>PAID IN FULL</u>		
10			
11	Guy Burgess		
12			
RECEIVED BY			

KEEP THIS SLIP FOR REFERENCE

3705

25 Days of  
Basking turtle  
Censuses  
and  
Punalu U Black Sand Beach  
Punalu U, HI. 96777  
808-928-8439  
Punalu's  
Beach

MERCHANT ID: 385200000055648  
DATE: 03/10/04 3:07:00 PM

RECORD NUMBER: 005  
ACCOUNT: \*\*\*\*\*4485 06/06  
CARD TYPE: VISA  
TRAN TYPE: SALE  
AUTH CODE: 090036

AMOUNT: 250.00

WWW.BLACKSANDBEACHTURTLES.COM  
CUSTOMER COPY



Dawn M. Patterson  
HC 1 Box 5614  
Keaau HI 96749

OUTWEST GUIDES  
HORSEBACK RIDES  
MEMBER OF THE NATIONAL ASSOCIATION OF HORSEBACK RIDING INSTRUCTORS  
970-963-5329



*Seasons Greetings*

LOTS OF LOVE,

DAWN, PAUL & PETS

XMAS 2004

APRIL 25, 2004

See page 118

SUNDAY [HAWAIIAN MOMENT]

4-25-04 Big Islander recalls life at Punaluu Beach

Punaluu Beach, a black-sand beach in Kau, is one of the Big Island's most popular visitor stops. Circle island tour drivers take their groups there daily to see the black sand and the sea turtles that rest on the beach.

In 1981, Jeanette Howard, a longtime Punaluu resident, recalled her childhood days in the village.

"I was born in Punaluu in 1923, and I've lived here my entire life. I'm Chinese-Hawaiian, married to a fisherman, and our house is near the restaurant parking lot. We still fish the koa ahi and opelu offshore.

"Kahiolo is the left point of the bay. There's a heiau on top of it and a sacrifice stone in the bushes. It's a big rock slab. Puu-moa is the right point of the bay where the picnic pavilions are located. Offshore are all the little moku that protect the beach.

"Punaluu is the general name for the beach and the pond behind it. When I was young, the beach used to be from halfway out to the boat ramp, but it has always eroded, even before sand was hauled away by the county and other people.

"Koloa is the shore beyond the park. It used to be covered with ilili called ilili hanau, or "maternity stones," but there's very few right now. Most of them were hauled away for various construction projects.

"Farther down at Ninole there used to be two springs in a big pond, Kauale and Puhau. Kauale was the female spring and Puhau was the male spring, but they were covered in 1979 and 1980 by floods that brought down a lot of mud and rock."

"Hawaiian Moment" was written by John Clark for the Hawaiian Historical Society.

Hawaii Star-Bulletin



# MARCH 10, 2004 PARTICIPANTS LIST

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| 17 | Emily Dudley      | Du wide George                |
| 18 | Sara McCutcheon   | ibemini@aol.com               |

\* ~~19~~  
 5435 Brushy Fork Rd.  
 Batavia OHIO 45103

(for picture laying w/ turtle)  
 Mahalo!

MART → 4B

Seawords

sun  
HMM off

December 2003

## Turtle Tagging on the Big Island

By Doreen Seaton

On November 19, 2003 UH Hilo and UH Mānoa MOP students, along with George Balazs of National Marine Fisheries Service in Honolulu, met at Punalu'u Beach to spend a sunny day with green sea turtles (*Chelonia mydas*).

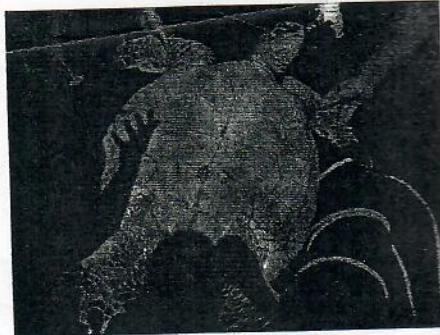
Punalu'u Beach is a beautiful black sand beach south of Volcano National Park on the Big Island of Hawai'i. It is known for its fresh cool water springs, which were once used by Hawaiians. They would dive into the ocean with gourds and fill them up with fresh water. This is where Punalu'u received its name, which means "diving springs".

Each season of the year, MOP students and green sea turtle expert George Balazs of the National Marine Fisheries Service (NMFS) meet at Punalu'u to tag turtles. Turtle tagging is very valuable in conducting research. It is through tagging that researchers are able to find out how fast turtles grow, how often they breed, and where they travel. It is important to conduct research on the green sea turtles, because they are listed by the National Marine Fisheries Service as an endangered/threatened species protected under the Endangered Species Act of 1973. By consistently researching this species, scientists hope to prevent further population decline, allowing the green sea turtles to return to a healthy population.

In order to tag the turtles, you need to catch them first. Small teams enter the water and find a turtle. Once a turtle is found by a teammate, they check it to make sure that it has not already been examined that day. You can tell if it has already been assessed if it has temporary



Doreen Seaton, Signe Opheim, Shail Pec-Crouse, Rachel Glueck, and Nick Viobleshy



A turtle being checked for injuries and diseases.

white spots painted on it by Mr. Balazs. When capturing the turtle students do so carefully, making sure not to harm the turtle and not get harmed themselves by the turtle. Although a rarity, turtles can injure humans by biting or slapping them with a flipper.

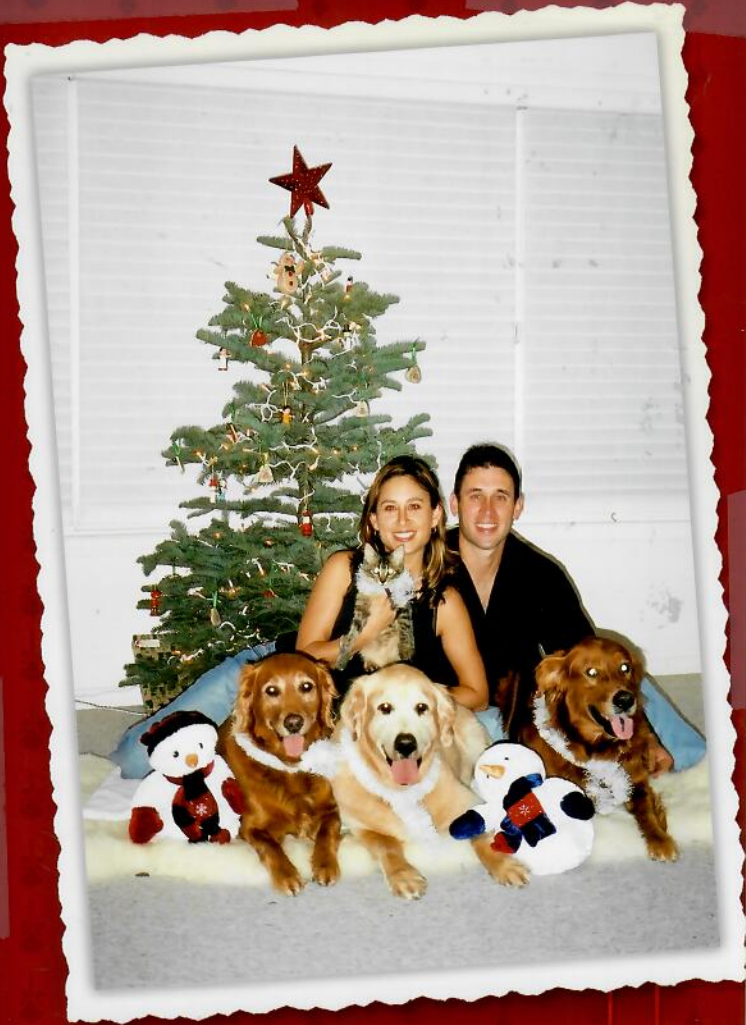
Once captured, turtles are placed on their backs on inner tubes and brought ashore. Then Mr. Balazs surveys the turtle, checking to see if it has previously been tagged or if there are any visible injuries or diseases such as Fibropapillomatosis. Then, he takes measurements. Elementary students from a local school came for a field trip to observe the turtle tagging, along with a lesson all about the turtles from Mr. Balazs.

On this particular day, 13 turtles were analyzed. Most had previously been tagged, but a couple had not been. Students worked hard to ensure their team's safety and effectiveness to achieve this high number of turtle captures while enjoying a fun and learning experience.

For more information about sea turtles, you can visit <http://www.turtles.org>, or e-mail George Balazs at [gbalazs@honlab.nmfs.hawaii.edu](mailto:gbalazs@honlab.nmfs.hawaii.edu).

Mahalo to the UH Hilo MOP ohana for allowing UHM MOP students Signe Opheim and Doreen Seaton to tag along for the fun on their island's field trip!

5



Merry Christmas

Love,  
Dawn, Paul & Pets  
Xmas 2003



9/14/03

*The Honolulu Advertiser*

# Turtles hatch on Big Island beach

SUNDAY • SEPTEMBER 14, 2003

## Rare hawksbill laid her eggs in July

ASSOCIATED PRESS

**PUNALU'U, Hawai'i** — More than 100 endangered baby sea turtles have hatched from a nest on Punalu'u's black-sand beach, where a female Hawaiian hawksbill turtle known by the tag "60M" had laid her eggs in July.

It was the first time one of the rare sea turtles has nested along the popular narrow beach since 1999.

Although the black sand beach is known for Hawaiian green sea turtles, those turtles prefer to swim the hundreds of miles to French Frigate Shoals in the Northwest Hawaiian Islands to nest.

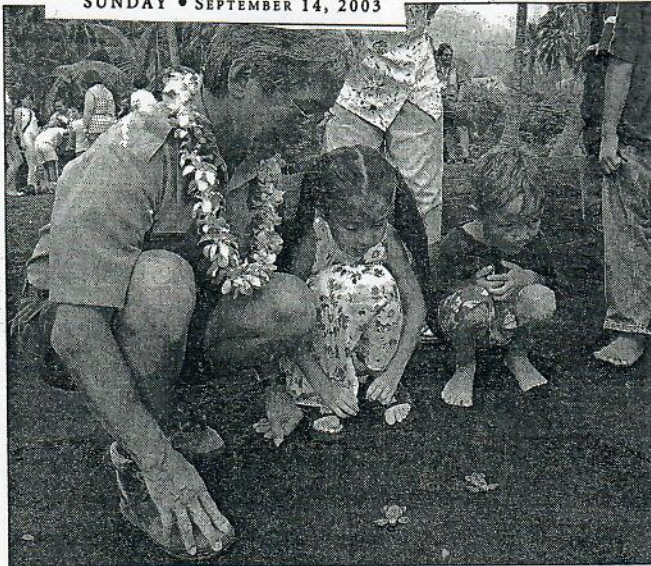
The Hawaiian hawksbill will nest every two to five years, mostly on remote beaches in Ka'u and Puna on the Big Island. A few nest on Maui and Moloka'i.

The 2003 nesting season has been relatively slow, with only six turtles observed nesting along Big Island beaches to date, said Larry Katahira, a resource management specialist at Hawai'i Volcanoes National Park.

Each hawksbill turtle can lay up to six nests during the nesting season, which runs from June to November. The six turtles observed this year established a total of 19 nests at four locations, including four nests at an area south of Punalu'u Beach being called "Halfway" because it is midway between Punalu'u and Ninole to the south.

Halfway is a small pocket of sand where turtles were known to have nested historically but not in recent years.

The turtle that nested July 9 and left 184 eggs at Punalu'u was first tagged by volunteers from the national park's turtle program in 1996 when it nested at Kamehame, a beach



**ABOVE:** Ecologist Larry Katahira and two youngsters watched as a pair of Hawaiian hawksbill hatchlings crawled toward the gently lapping waves off Punalu'u on Monday.



**LEFT:** This Hawaiian hawksbill turtle was one of the last recovered from a nest and set free at the water's edge.

Photos by WILLIAM ING • Hawai'i Tribune-Herald

north of Punalu'u that has become the most common nesting site for hawksbills. But it had not been seen since.

"We don't know where she's gone," he said. "Usually they will come back to the same area. It could be that she nested somewhere unknown to us."

Hawksbills are known for nesting in small pockets of coastal sand, such as at Halfway where nests easily

could be missed, he said.

Although turtle 60M made several visits to Punalu'u after the July 9 nesting, it only dug holes and left no eggs.

The July 9 nest was discovered by Savannah Silva, a junior at Ka'u High School who was among a group of students led by science teacher Renwick Bibilone returning from an overnight stay at Kamehame with park biologist Eldridge Naboa.

"The kids were really excited," Bibilone said.

Ninety hatchlings emerged from the nest and headed for the water Sept. 6. Two more came out the next day. On Monday, the last 25 were helped to the water.

Hawksbill sea turtles are also found in the Atlantic and Indian oceans and in the Caribbean. They were placed on the federal endangered species list in 1970.

Date: Wed, 28 May 2003 22:48:42 +0000  
From: Heather Chandler <honuchick@hotmail.com>  
To: jconey@hawaii.edu, gbalazs@honlab.nmfs.hawaii.edu,  
lauracampbell199@hotmail.com, leonh@hawaii.edu, lou-lou-blou@whale-mail.com,  
seames@honlab.nmfs.hawaii.edu, stephaniepuleo@hotmail.com  
Subject: case H27

Case #- H27  
Date- 5-28-03  
Person(s) Responding- Heather Chandler  
Time of Call- 8:35am  
Call Recieved From- Eriko and Frank Navratil  
1729 1/2 Harriman Lane  
Redondo, CA 90278  
310-780-5006

Location of Turtle- Punalu'u Beach  
Condition of Turtle- right, rear flipper freshly and cleanly severed just below tag, still bleeding some.

Flipper Tag #'s- unknown

Curved Carapace Length- unknown

Description of Case- I recieved 2 pages this morning by the Aquatics office, when I responded to the pages, they relayed the following information to me. There is a turtle at Punalu'u Beach with a freshly missing flipper and appears weak. I obtained Eriko's phone number and attempted to contact her. I got her voice mail and left a message. At 9:33am, I recieved a return call from Eriko's husband Frank. I spoke with him and he said the turtle was at the boat dock end of the beach, and about 25-30 feet from the water. He said that the right rear flipper was missing due to a clean cut (no jagged edge to the wound) and that it looked very fresh, still bleeding. He said there was a tag just above the edge of the limb, but did not get close enough to read it. Frank also said that he approached the turtle from the front and that the turtle attempted to lift it's head to look at him, but was too weak. I thanked him for the concern and proceeded to try to contact my partners. I paged Stephanie and Laura and got no response. So I contacted Shawn Murakawa in Oahu to get the phone number of Guy who has a gift shop on Punalu'u Beach. I called Guy, but spoke with his wife Julie. She said that there had been a turtle there on the beach, but it had already returned to the water. Julie said she would be sure to contact us if the turtle returned. I called Eriko and Frank and let them know the turtle had already returned to the water and that he/she will (hopefully) heal and be able to still live a good life. They were happy to know that the turtle (should) be ok, and I thanked them for their concern.

*Kung Lu*  
~~Redup~~

Date: Fri, 30 May 2003 18:27:11 +0000  
 From: Laura Campbell <lauracampbell199@hotmail.com>  
 To: stephaniepuleo@hotmail.com, leonh@hawaii.edu, kazoo\_marie@hotmail.com,  
 seames@honlab.nmfs.hawaii.edu, lou-lou-blou@whale-mail.com,  
 jconey@hawaii.edu, smurakaw@honlab.nmfs.hawaii.edu,  
 gbalazs@honlab.nmfs.hawaii.edu  
 Subject: Case #H28

Date: 5-19-03  
 Person responding to case: Laura Campbell & Heather Chandler  
 Time of Call 7:30 a.m.  
 Call received from: Enko & Frank Novratil  
 1729 1/2 Harriman Lane, Redardo, CA 90278 310-780-5006  
 Location of turtle: Punalu'u - by boat dock  
 Condition of turtle:

Right rear flipper: most of flipper missing; muscle healing but 2 bones were splintered and sticking out. Postrans has thinned patch. Turtle slightly emaciated.

Flipper Tag Numbers: 272, 273, 274

Curved Carapace Length 66 cm

Description of case & actions taken in response:

Received a page from tourists, second day in a row. On site we examined the turtle with the flipper injury. We called Shawn who said to send the turtle to Oahu, which we did. The turtle was sent by Aloha Airlines, 72316020, and was scheduled for pick up between 3:15 and 3:30.



# Participants 11/19/03 Friday

Name Comment (email optional)  
 DIANA LEONE - Honolulu State-Bulletin

- ① Katie Wills C.U. Technician The coolest thing I've ever done! ktwillswa@yahoo.com
- ② Shail Pec-Crouse Thank for such an amazing rockeaters opp. to us! @msn.com
- ③ Ashley Heard Awesome! Thanks! razzberry@hotmail.com
- ④ Jonathan Robinson Great Learning Experience jrobinis@hawaii.edu
- ⑤ Doreen Seaton great experience Thanks! dseaton@hawaii.edu
- ⑥ Brandie Ito Thank you for letting us come liliwahine@hawaii.vr.com
- ⑦ Lizeth A. Webster This was the best experience ever! Thank you so much. byedodo@hotmail.com
- ⑧ <sup>Speed</sup> Marko Muromachi: excellent experience / thanks for the fun! maikomuro@hawaii.edu
- ⑨ Signe Opheim Thanks for the fun! lopheim@hawaii.edu
- ⑩ Nick Vroblecky Awesome experience. Thank you vrobleck@hawaii.edu
- ⑪ <sup>Sent</sup> Matt Baxter Honu Pule (Lower Back) three years ago! mattbaxter@cs.com
- ⑫ Angela Flores Mahalo! My dreams are coming true! Since a little girl I grew up on the EAST COAST of Hawaii. I dreamed of swimming with turtles! angela.f@hawaii.edu
- ⑬ LAURA CRANE Thanks George. lollyc13@msn.com
- ⑭ Rachel Glueck Thank you! That was a truly amazing experience! mermaidreef@hotmail.com
- ⑮ Dawn M. Patterson HC 1 Box 5614 Keaau, HI 96749
- ⑯ Marisa Litz Cheers! litz@hawaii.edu

Mrabeille@aol.com

Great Experience!

Margaret Homending Kristen Schreiber thanks

 Dawn M. Patterson  
 HC 1 Box 5614  
 Keaau, HI 96749

Sgt RAY & Jackie Iyo → LEON'S former secretary

1339 MAKANI ST.  
Hilo, HI 96720

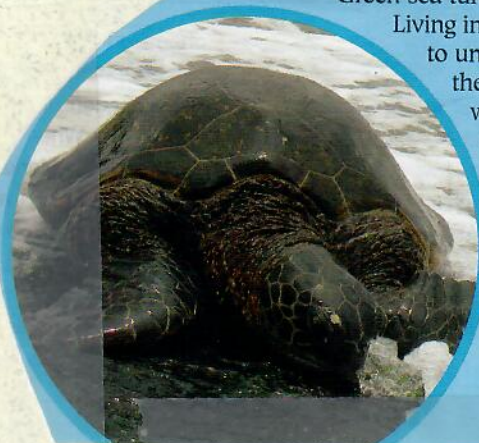
Daughter = BRANDI <sup>was 11 years old</sup>  
SON =                      (NAME) 8 years old

Sgt Matt Burton <sup>HAWAIIAN</sup>  
PO Box 369 <sup>TATTOO</sup>  
~~KEAUAU~~ KEAUAU HI 96749 <sup>Back of neck - wife has an identical one</sup>

1. com JOHN COWEY  
Capt Mike Childers  
MIKE PARSONS  
LEON HANLACHER

#### TURTLE TALK

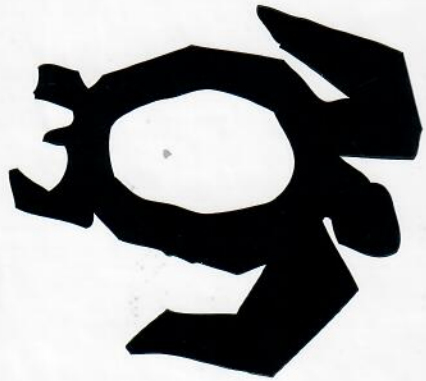
Green sea turtles always look as if they are smiling. Living in lovely, protected Kahalu'u Bay, it is easy to understand why they smile. Full of reef fish, the bay is a paradise for snorkeling, or just wading in the shallow water. A lifeguard is on duty. Parking is limited. Early morning visits are best. Tucked right beside the bay, check with the Outrigger Keauhou Resort for reef conservation and information programs, or watch the turtles from the resort's wide lanai. Learn more about Big Island sea critters in the Hawai'i Wildlife Viewing Guide.



Holo Holo

ISLAND AIR  
Holo Holo  
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