

BALAZS

3 of 3

HONAUNAU APRIL 10, 2004

TRIP 6

Mead

N=17  
new=9

COMPOSITION

KAHALOU SEPT 12, 2006

Richard FARMAU - HPA

N=17

(11 new)

HONAUNAU OCTOBER 16, 2007

TRIP 7 N=7 (4 new, 3 recaptures)

100 sheets • 200 pages • 100 hojas

4.7" x 6.7" or  
wide ruled / réglage large / rayado ancho

09918 © 1995 The Mead Corporation, Dayton, Ohio 45463 U.S.A.

Made in U.S.A. / Fabriqué aux États-Unis / Hecho en E.U.A.

2004, 2006, 2007, 2008, 2009

KALOKO - JUNE 15, 2008

KALOKO - NOVEMBER 28, 2007

KALOKO - NOVEMBER 18, 2008

KALOKO - Oct. 13, 2009

2004, 2006-2009



KAHALOU  
KALOKO



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10

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10-13-09	Kaioke	Area: A
PERSON RECORDING DATA: Holdcroft, Lauren		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

1

MT#

OLD TAGS:

LH407A2A00IE

RH413606174E

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

83.0 cm

WIDTH:

67.7 cm

NOTCH LENGTH:

82.9 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

90.0 cm

WIDTH:

80.5 cm

HEAD WIDTH:

— cm

LATERAL1:

28.6 cm

LATERAL2:

26.6 cm

PPS: YES OR NO OR NE

—

LATERAL3:

23.6 cm

SEX: Male, Female or Undetermined

MALE

TAIL LENGTH: T

29.0 cm

C

21.5 cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

2.5 mm SKIN Biopsy

PLASTRON LENGTH:

63.4 cm

WEIGHT:

146 #

DESCRIPTIVE REMARKS:

Skark attack scratches posterior plastron. Healed laceration base of tail. MT 70.

141

11

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10-13-09	KALOKO	Area: C
PERSON RECORDING DATA: Holdcroft, Lauren		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

LH 442F0375B

RHF

RH 442F481D12

LHF

NEW TAGS:


MT#

STRAIGHT CARAPACE - LENGTH:

~~43.0~~ 44.5 cm

WIDTH:

37.7 cm

NOTCH LENGTH:

44.2 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

47.0 cm

15.8

WIDTH:

43.0 cm

HEAD WIDTH:

— cm

LATERAL1:

~~14.2~~ cm

LATERAL2:

14.2 cm

PPS: YES OR NO OR NE

—

LATERAL3:

11.7 cm

SEX: Male, Female<sup>d</sup>  
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

2.5 mm skin biopsy

PLASTRON LENGTH:

— cm

WEIGHT:

25 #

DESCRIPTIVE REMARKS:

Renew MT 23. Flat plastron, slightly soft. lots of brown algae in mouth



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09	Kaloko	Area: <del>SD</del>
PERSON RECORDING DATA: Kaliko Smith		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:


Left NEW TAGS:

Left  
Right



4B0F632224

4A2C7E2E5B



MT#

STRAIGHT CARAPACE - LENGTH:

49.9 cm

WIDTH:

39.0 cm

NOTCH LENGTH:

49.8 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

53.5 cm

WIDTH:

47.0 cm

HEAD WIDTH:

— cm

LATERAL1:

18.7 cm

LATERAL2:

16.8 cm

PPS: YES OR NO OR NE

—

LATERAL3:

14.0 cm

SEX: Male, Female  
or Undetermined

J

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

36.5 #

DESCRIPTIVE REMARKS:

MT 71

Brown algae in mouth



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09	Kaloko	Area B
PERSON RECORDING DATA: Kaliko, Smith		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

MT#

OLD TAGS:

4422100 F30

4414426136

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

60.3 cm

WIDTH:

46.6 cm

NOTCH LENGTH:

60.1 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

65.0 cm

WIDTH:

57.5 cm

HEAD WIDTH:

— cm

LATERAL1:

22.8 cm

LATERAL2:

20.8 cm

PPS: YES OR NO OR NE

—

LATERAL3:

17.4 cm

SEX: Male, Female<sup>d</sup>  
or Undetermined

W

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

61.0 #

DESCRIPTIVE REMARKS:

MT 72



KAZOKO 11-18-08 Tuesday (145)  
HPA PARTICIPANTS LIST

<u>Name</u>	<u>Grade</u>
Connor	7
Marina	7
Pat C. (from Thailand)	9
Noah	7
R. Mari	13
Reina	11
Mackenzie	10

Rebecca  
Becky Factor (HPA Admissions)  
Barbara Sumora (Mount Rainier Nat'l Park)  
NPS BARBARA

Patrick O'Pay > MORNING ONLY  
Irene Kelly



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09	Kaloko	Area: B
PERSON RECORDING DATA: Kaliko, Smith		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

1F696E1E6C

1F69032B4A

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

59.8 cm

WIDTH:

45.6 cm

NOTCH LENGTH:

59.5 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

65.0 cm

WIDTH:

57 cm

HEAD WIDTH:

— cm

LATERAL1:

22.5 cm

LATERAL2:

20.5 cm

PPS: YES OR NO OR NE

—

LATERAL3:

16.6 cm

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

59.5 #

DESCRIPTIVE REMARKS:

~~AT~~  
renew AT 32



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09 Kaloko Area: B  
PERSON RECORDING DATA: Kaliko Smith

TUMOR SCORE:  0

ORAL TMRS EXT: YES OR NO:  —

EMACIATION CODE:  0

OLD TAGS:

NEW TAGS: LEFT  
RIGHT

4A13152C2D  
4A7A521E3E

MT#

STRAIGHT CARAPACE - LENGTH: 49.5 cm WIDTH: 39.8 cm

NOTCH LENGTH: 49.4 cm DB: 0 L.O. VB: 0 L.O.

CURVED CARAPACE LENGTH: 53.5 cm WIDTH: 47 cm

HEAD WIDTH: — cm LATERAL1: 20.5 cm LATERAL2: 18.1 cm

PPS: YES OR NO OR NE — LATERAL3: 14.5 cm SEX: Male, Female or Undetermined

TAIL LENGTH: T — cm C — cm

RIGHT FRONT FLIPPER WIDTH: — cm

PLASTRON LENGTH: — cm

WEIGHT: 38.5 #

SAMPLES COLLECTED:

DESCRIPTIVE REMARKS:  
new MT 73  
MOUTH full of algae  
full body robust



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09 Kaloko Area: B

PERSON RECORDING DATA: Kalibg Smith

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/> 0	RH- 424 F 0 B 4846	RHF
ORAL TMRS EXT: YES OR NO	LH- 423 A 100531	LHF
<input type="checkbox"/> ~		
EMACIATION CODE		
<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  cm

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: renew MT 82 flat plastron



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09	Kaloko	Area B
PERSON RECORDING DATA: Kaliko Smith		

TUMOR SCORE <input type="radio"/> R/H	OLD TAGS: 422 D6B0E3A	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input checked="" type="checkbox"/> L/H	422 F0B6029	RHF
<input type="checkbox"/>		LHF
EMACIATION CODE <input type="radio"/>	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:

renew MT 44

Flat plastron



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09 Kaloako Area B

PERSON RECORDING DATA: Kelli K Smith

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/> 0	CH 423 D68 7419	RHF
ORAL TMRS EXT:	KH 424 F10 7201	LHF
YES OR NO		
<input type="checkbox"/> -		
EMACIATION CODE		
<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  W

TAIL LENGTH: T  cm C  cm

RIGHT FRONT FLIPPER WIDTH:  cm

PLASTRON LENGTH:  cm

WEIGHT:  #

SAMPLES COLLECTED:  
2.5mm skin  
Biopsy neck

DESCRIPTIVE REMARKS:  
renew MT: 20

green algae mouth

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09 Kaloko Area B

PERSON RECORDING DATA: Kaliko, Smith

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

[Empty boxes for old tags]

NEW TAGS: right

RHF 4A39590923

LHF



4A33501A74

Left

MT#

STRAIGHT CARAPACE - LENGTH:

49.6 cm

WIDTH: 38.5 cm

NOTCH LENGTH: 49.4 cm

49.6

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

53.0 cm

WIDTH: 44.5 cm

HEAD WIDTH: — cm

LATERAL1: 19.2 cm

LATERAL2: 17.6 cm

PPS: YES OR NO OR NE —

LATERAL3: ~~13.9~~ 13.9 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T — cm

C — cm

RIGHT FRONT FLIPPER WIDTH: — cm

PLASTRON LENGTH: — cm

WEIGHT: 36 #

SAMPLES COLLECTED:

DESCRIPTIVE REMARKS:

New MT 24

green algae  
IN  
MOUTH



20

155

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09 Kaloako Area: B

PERSON RECORDING DATA: Kaliko, Smith

TUMOR SCORE

0

OLD TAGS:

RH 47005F7623

ORAL TMRS EXT:  
YES OR NO

4

LH 470B366F42

NEW TAGS:

RHF

LHF

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH:

53.0 cm

WIDTH: 41.6 cm

NOTCH LENGTH:

52.5 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

58.0 cm

WIDTH: 50.5 cm

HEAD WIDTH:

— cm

LATERAL1: 20.0 cm

LATERAL2: 17.9 cm

PPS: YES OR NO OR NE

—

LATERAL3: 15.1 cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

— cm

C — cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

2.5mm Skin

PLASTRON LENGTH:

— cm

Biopsy neck

WEIGHT:

43 #

DESCRIPTIVE REMARKS:

Renew MT: 49

flat plastron

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09 Kaloko Area: B

PERSON RECORDING DATA: Kaliko Smith

TUMOR SCORE

0

OLD TAGS:

RH 4524255343

NEW TAGS:

ORAL TMRS EXT  
YES OR NO

—

LH 45236C7045

RHF

LHF

EMACIATION CODE

1

MT#

STRAIGHT CARAPACE - LENGTH:

56.5 cm

WIDTH:

43.5 cm

NOTCH LENGTH:

— cm

DB:

0

L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

61.5 cm

WIDTH:

54.5 cm

HEAD WIDTH:

— cm

LATERAL1:

21.1

cm

LATERAL2:

18.8

cm

PPS: YES OR NO OR NE

—

LATERAL3:

15.8

cm

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

2.5mm Skin

PLASTRON LENGTH:

— cm

Basipost neck

WEIGHT:

52.0 #

DESCRIPTIVE REMARKS:

new MT 75

green algae in mouth  
right post central deep  
healed notch



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09	Kailoko	Alveq-B
PERSON RECORDING DATA: Kailiko, Smith		

TUMOR SCORE <input type="checkbox"/> 0	OLD TAGS: RH 431B402248 LH 434F406B77	NEW TAGS: RHF LHF
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> —		
EMACIATION CODE <input type="checkbox"/> 1	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

PLASTRON LENGTH:  cm

WEIGHT:  #

SAMPLES COLLECTED:  
2.5 skin  
Biopsy  
neck

DESCRIPTIVE REMARKS:

~~NEW MT 76~~ New Mt 76

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10-13-09	KAWKO	Area: B
PERSON RECORDING DATA: Holdcroft, Lauren		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

0

EMACIATION CODE

(ONE)  1

MT#

OLD TAGS:

LH	424 F 06 18 0 E
RH	424 E 18 33 1 B

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

55.6 cm

WIDTH:

43.1 cm

NOTCH LENGTH:

55.6 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

59.5 cm

WIDTH:

52.0 cm

HEAD WIDTH:

— cm

LATERAL1:

19.9 cm

LATERAL2:

18.2 cm

PPS: YES OR NO OR NE

—

LATERAL3:

15.7 cm

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

2.5 mm skin

PLASTRON LENGTH:

— cm

biopsy/neck

WEIGHT:

49.0 #

DESCRIPTIVE REMARKS

Renew MT 27. green algae in mouth. ~~fat plastron~~.



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09 KALOKO Area: B

PERSON RECORDING DATA: Holdcroft, Lauren

TUMOR SCORE <input type="text" value="0"/>	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="text" value="-"/>	LH 44521C3051 RH 4454371450	RHF 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

PLASTRON LENGTH:  cm

WEIGHT:  #

SAMPLES COLLECTED:

DESCRIPTIVE REMARKS:

renew MT 89.  
7centrals. green + red algae in mouth.

Print for Sally + M. Rice

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10-13-09	KALOKO	Area: B
PERSON RECORDING DATA: Holdcroft, Lauren		

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

LH 423 F55566

RHF

RH 424 E7E2406

LHF

NEW TAGS:


MT#

STRAIGHT CARAPACE - LENGTH:

63.8 cm

WIDTH:

50.2 cm

NOTCH LENGTH:

63.7 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

69.0 cm

WIDTH:

61.5 cm

HEAD WIDTH:

— cm

LATERAL1:

23.3 cm

LATERAL2:

21.3 cm

PPS: YES OR NO OR NE

—

LATERAL3:

18.5 cm

SEX: Male, Female  
or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

73.5 #

DESCRIPTIVE REMARKS:

Renew MT 28. Flat plastron  
Brown algae in mouth.



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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10-13-09 KALOKO Area: B  
PERSON RECORDING DATA: Holdcroft, Lauren

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:


NEW TAGS:

4A77606E14



4A401F0A5C



STRAIGHT CARAPACE - LENGTH:

60.4 cm

WIDTH: 48.1 cm

NOTCH LENGTH:

60.4 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

65.5 cm

WIDTH: 60.0 cm

HEAD WIDTH:

— cm

LATERAL1: 24.4 cm

LATERAL2: 21.7 cm

PPS: YES OR NO OR NE

—

LATERAL3: 18.4 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T

— cm

C — cm

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

69.5 #

SAMPLES COLLECTED:

DESCRIPTIVE REMARKS:

New 78 MT. green algae in mouth

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10/13/09	KALOKO	Area: B
PERSON RECORDING DATA: Holdcroft, Lauren		

TUMOR SCORE <input type="radio"/>	OLD TAGS: LH 422E755FSD RHF RH 422E7211533 LHF	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="checkbox"/>		
EMACIATION CODE <input type="checkbox"/>	MT#	

STRAIGHT CARAPACE - LENGTH:  cm      WIDTH:  cm

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

CURVED CARAPACE LENGTH:  cm      WIDTH:  cm

HEAD WIDTH:  cm      LATERAL1:  cm      LATERAL2:  cm

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

TAIL LENGTH: T  cm      C  cm

RIGHT FRONT FLIPPER WIDTH:  cm      SAMPLES COLLECTED:

PLASTRON LENGTH:  cm

WEIGHT:  #

DESCRIPTIVE REMARKS: Renew mt 33, green algae in mouth

Specimen for K11



Revised 08/21/07

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

28

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10-13-09 KALOKO	Area: B
PERSON RECORDING DATA: Holdcroft, Lauren	

TUMOR SCORE <input type="checkbox"/> 0	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> 1	LH 424051104D RHF	
EMACIATION CODE <input type="checkbox"/> 0	RH 424E393E14 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:- Renew MT "C"  
 - right anterior eye healing abrasion  
 - green algae in mouth

165

Revised 08/21/07

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

29

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

10-13-09 Kaloako Area B

PERSON RECORDING DATA: Holdcroft, Laven

TUMOR SCORE

0

ORAL TMRS EXT:  
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:


NEW TAGS:

RHF  
LHF

4A1229427B

4B0F181170

MT#

STRAIGHT CARAPACE - LENGTH:

45.3 cm

WIDTH:

35.6 cm

NOTCH LENGTH:

45.1 cm

DB:

0

L.O.

VB:

0

L.O.

CURVED CARAPACE LENGTH:

48.5 cm

WIDTH:

42.5 cm

HEAD WIDTH:

— cm

LATERAL1:

17.5 cm

LATERAL2:

15.6 cm

PPS: YES OR NO OR NE

—

LATERAL3:

12.0 cm

SEX: Male, Female  
or Undetermined

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

27 #

DESCRIPTIVE REMARKS:

new mt 79. green algae  
in mouth. 10<sup>th</sup> marginal right  
deep notch.

tagging.xls



21

30

10-13-09 kaloko

Area: B

Holdcroft, Lauren

LHF

4602523159



RHF

4B0A23535A



Straight carapace length

41.9



width 32.6

notch 41.5

curved carapace length

44.5

width

38.0

- L1: 15.5
- L2: 13.6
- L3: 10.9

22 lbs

comments:

new MT 77.

green algae in mouth

10-13-09  
KALOKO

31

A: Holdcroft, Lauren

Area B

RH 407A505956

LH 4136342947

Straight

length 62.3

width 47.9

notch 62.2

curved

length 67.0

width 59

L1: 23.5

L2: 21.9

L3: 18.4

P. 85: 10  
F. 15: 31  
S. 81: 52

73.3 lbs

comments: Renew MT "Z1"

flat plastron



END

10-13-09  
Kabko

(32)

Holdcroft, Lauren

Area: A  
KH 422E672F52  
LH 4237490D06

4602523159



480A23535A



straight  
length 57.9

width 43.3

notch 57.9

curved

length: 63.0

width: 54.5

L1: 23.4

L2: 21.7

L3: 18.2

22 lbs

56.0 lbs

23.3 lbs

new MT 81

green "big" MT

1/10/09 10/17

Date: Thu, 31 Aug 2006 14:41:13 -1000

From: Marc Rice <mrice@hpa.edu>

To: George Balazs <gbalazs@honolab.nmfs.hawaii.edu>

Subject: Chris Stelfox- Hawaii Country Lifeguards

I spoke with Chris Stelfox (I have worked with him before) and he said he would alert his lifeguards that we will be down t here doing some capture and tagging work on Sept. 12. He gave us the ok to set up where we usually do. He also asked that we inform the enforcement folks and I told him that we always do at least 48 hours in advance. You may contact Chris at 327 3570.

KAHALOU Beach Park

189

2001 Study Trip

from Honolulu during 12/1/1994 - 11/30/2001

Stage	Carpenter Length (cm)		Weight (lbs)	Capture Method
	Stage	Curved		
1	10	10	10	Hand/Trap
2	10	10	10	Hand/Trap
3	10	10	10	Hand/Trap
4	10	10	10	Hand/Trap
5	10	10	10	Hand/Trap
6	10	10	10	Hand/Trap
7	10	10	10	Hand/Trap
8	10	10	10	Hand/Trap
9	10	10	10	Hand/Trap
10	10	10	10	Hand/Trap
11	10	10	10	Hand/Trap
12	10	10	10	Hand/Trap
13	10	10	10	Hand/Trap
14	10	10	10	Hand/Trap
15	10	10	10	Hand/Trap
16	10	10	10	Hand/Trap
17	10	10	10	Hand/Trap
18	10	10	10	Hand/Trap
19	10	10	10	Hand/Trap
20	10	10	10	Hand/Trap
21	10	10	10	Hand/Trap
22	10	10	10	Hand/Trap
23	10	10	10	Hand/Trap
24	10	10	10	Hand/Trap
25	10	10	10	Hand/Trap
26	10	10	10	Hand/Trap
27	10	10	10	Hand/Trap
28	10	10	10	Hand/Trap
29	10	10	10	Hand/Trap
30	10	10	10	Hand/Trap
31	10	10	10	Hand/Trap
32	10	10	10	Hand/Trap
33	10	10	10	Hand/Trap
34	10	10	10	Hand/Trap
35	10	10	10	Hand/Trap
36	10	10	10	Hand/Trap
37	10	10	10	Hand/Trap
38	10	10	10	Hand/Trap
39	10	10	10	Hand/Trap
40	10	10	10	Hand/Trap
41	10	10	10	Hand/Trap
42	10	10	10	Hand/Trap
43	10	10	10	Hand/Trap
44	10	10	10	Hand/Trap
45	10	10	10	Hand/Trap
46	10	10	10	Hand/Trap
47	10	10	10	Hand/Trap
48	10	10	10	Hand/Trap
49	10	10	10	Hand/Trap
50	10	10	10	Hand/Trap
51	10	10	10	Hand/Trap
52	10	10	10	Hand/Trap
53	10	10	10	Hand/Trap
54	10	10	10	Hand/Trap
55	10	10	10	Hand/Trap
56	10	10	10	Hand/Trap
57	10	10	10	Hand/Trap
58	10	10	10	Hand/Trap
59	10	10	10	Hand/Trap
60	10	10	10	Hand/Trap
61	10	10	10	Hand/Trap
62	10	10	10	Hand/Trap
63	10	10	10	Hand/Trap
64	10	10	10	Hand/Trap
65	10	10	10	Hand/Trap
66	10	10	10	Hand/Trap
67	10	10	10	Hand/Trap
68	10	10	10	Hand/Trap
69	10	10	10	Hand/Trap
70	10	10	10	Hand/Trap
71	10	10	10	Hand/Trap
72	10	10	10	Hand/Trap
73	10	10	10	Hand/Trap
74	10	10	10	Hand/Trap
75	10	10	10	Hand/Trap
76	10	10	10	Hand/Trap
77	10	10	10	Hand/Trap
78	10	10	10	Hand/Trap
79	10	10	10	Hand/Trap
80	10	10	10	Hand/Trap
81	10	10	10	Hand/Trap
82	10	10	10	Hand/Trap
83	10	10	10	Hand/Trap
84	10	10	10	Hand/Trap
85	10	10	10	Hand/Trap
86	10	10	10	Hand/Trap
87	10	10	10	Hand/Trap
88	10	10	10	Hand/Trap
89	10	10	10	Hand/Trap
90	10	10	10	Hand/Trap
91	10	10	10	Hand/Trap
92	10	10	10	Hand/Trap
93	10	10	10	Hand/Trap
94	10	10	10	Hand/Trap
95	10	10	10	Hand/Trap
96	10	10	10	Hand/Trap
97	10	10	10	Hand/Trap
98	10	10	10	Hand/Trap
99	10	10	10	Hand/Trap
100	10	10	10	Hand/Trap



# As of Nov 11, 2001 Study TRIP

Tagging Summary from Honaunau during 12/1/1994 - 11/30/2001

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
423D696647 (11/7/2001), 424326046D (11/7/2001), 7D0F5D23 (1/25/1995), B117, B80 (1/25/1995), J899, J900	12/21/1994	55.0	58.0	45.0	Hand/Snorkel
424D436F09 (11/7/2001), 424F1D724E (11/7/2001), B118, B119, B120	12/21/1994	46.5	49.5	31.0	Hand/Snorkel
7D1F493D (1/25/1995), B121, B122, B123, B85 (1/25/1995)	12/21/1994	47.3	50.0	31.0	Hand/Snorkel
B124, B125, B126	12/21/1994	42.3	44.5	20.0	Hand/Snorkel
424D2D5910 (11/7/2001), 424E694241 (11/7/2001), 7F516F50 (1/25/1995), B69 (1/25/1995), J849, J850, J851	12/21/1994	45.3	48.0	28.0	Net
J852, J853, J854, J855	12/21/1994	69.6	74.5	105.0	Net
7D213B6B (1/25/1995), B79 (1/25/1995), J856, J857, J858	12/21/1994	51.6	55.0	35.0	Net
352D7D66 (10/5/1999), 371E2904 (10/5/1999), J859, J860, J861	12/21/1994	54.0	56.5	48.0	Net
424334215C (8/1/2001), 42503D2F42 (8/1/2001), J862, J863, J864	12/21/1994	53.9	58.0	47.0	Net
J865, J866, J867	12/21/1994	46.2	49.5	30.0	Net
424D141872 (8/1/2001), 424D76026F (8/1/2001), J868, J869, J870	12/21/1994	56.7	61.0	58.0	Net
7F574760 (1/25/1995), B206 (1/25/1995), J871, J872, J873	12/21/1994	54.8	59.0	49.0	Net
4232627F3D (11/7/2001), 4243210008 (11/7/2001), J874, J875, J876	12/21/1994	56.3	60.0	50.0	Net
7D227762 (1/25/1995), B207 (1/25/1995), J877, J878, J879	12/21/1994	46.5	50.5	30.0	Hand/Snorkel
4136073D2B (8/1/2001), 4136094C30 (8/1/2001), J880, J881, J882	12/21/1994	57.2	60.0	52.0	Hand/Snorkel
423E157045 (8/1/2001), 424D2E2C5E (8/1/2001), J883, J884, J885	12/21/1994	58.4	63.0	63.0	Hand/Snorkel
04182F07 (11/6/1996), 423D687D7C (8/1/2001), 423D790651 (8/1/2001), J886, J887, J888	12/21/1994	49.8	53.0	38.0	Hand/Snorkel

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Tagging Summary from Honaunau during 12/1/1994 - 11/30/2001

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
423E193144 (11/7/2001), 4250155928 (11/7/2001), 7D227B41 (1/25/1995), B74 (1/25/1995), J889, J890, J891	12/21/1994	47.1	50.0	29.0	Hand/Snorkel
J892, J893, J894, J895	12/21/1994	61.7	65.5	70.0	Hand/Snorkel
J896, J897, J898	12/21/1994	44.9	47.5	28.0	Hand/Snorkel
4232321D7E (4/17/2002), 423477644D (4/17/2002), 7D227806, B202, B203, B204, B205	01/25/1995	53.6	57.5	45.0	Hand/Snorkel
424D616111 (11/7/2001), 424D643A5F (11/7/2001), 7D234C65, B62, B63, B64	01/25/1995	40.1	42.0	17.0	Hand/Snorkel
44517E3449 (1/21/2004), 445234214C (1/21/2004), 7D17047E, B65, B66, B67, B68	01/25/1995	46.2	49.0	29.0	Hand/Snorkel
41362D4912 (8/1/2001), 42503C6D1B (8/1/2001), 7F5B1131, B70, B71, B72, B73	01/25/1995	49.1	51.0	34.0	Hand/Snorkel
7D0A0F3D, B75, B76, B77, B78	01/25/1995	50.9	54.0	42.0	Hand/Snorkel
4250111038 (8/1/2001), 4250133C00 (8/1/2001), 7F587C01, B81, B82, B83, B84	01/25/1995	49.4	52.0	34.0	Hand/Snorkel
7F5E2C32, B86, B87, B88, B89	01/25/1995	55.3	58.0	51.0	Hand/Snorkel
423B3D4D3F (8/1/2001), 4250251455 (8/1/2001), 7F5D0D0F, B90, B91, B92, B93	01/25/1995	58.9	64.0	68.0	Hand/Snorkel
424D547C73 (8/1/2001), 424F7E3A74 (8/1/2001), 7D0A1169, B94, B95, B96, B97	01/25/1995	64.8	68.0	75.0	Hand/Snorkel
7D226C63, B100, B201, B98, B99	01/25/1995	55.9	59.5	52.0	Hand/Snorkel
037B0F4E, Q622, Q623, Q624, Q625	11/06/1996	47.9	51.5	36.0	Net
040D2E50, Q626, Q627, Q628, Q629	11/06/1996	65.0	70.0	84.0	Net
040E1A44, Q631, Q632, Q633, Q634	11/06/1996	60.0	64.0	66.0	Net



Tagging Summary from Honaunau during 12/1/1994 - 11/30/2001

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
* 041A667C, Q635, Q636, Q637	11/06/1996	45.2	48.0	30.0	Net
* 04033C26, Q638, Q639, Q640	11/06/1996	---	62.0	60.0	Net
* 040A2801, Q641, Q642, Q643, Q644	11/06/1996	55.8	60.0	52.0	Net
* 4135107437, 423F212D2E	08/01/2001	58.2	62.5	60.0	Scoop Net
* 4135685D1C, 4136034A2E	08/01/2001	43.3	45.5	24.0	Scoop Net
* 41357C3F32, 423F344445	08/01/2001	45.5	48.5	33.0	Scoop Net
* 413604034D, 42434E3B7A	08/01/2001	53.9	57.5	49.0	Scoop Net
* 4136043D58, 413E4C0F2D	08/01/2001	43.8	46.5	28.0	Scoop Net
* 41360F2770, 424B080678	08/01/2001	59.5	64.0	65.0	Net
* 413618290B, 423B77140C	08/01/2001	51.9	56.0	45.0	Scoop Net
* 423A320833, 424E7E2525	08/01/2001	40.9	44.0	23.0	Hand
* 423A3F4F08, 423E121B11	08/01/2001	60.7	66.0	73.0	Net
* 423A431126, 424E674C15	08/01/2001	46.1	48.5	31.0	Hand
* 423B234C4C, 423E092D0A	08/01/2001	49.3	53.0	38.0	Scoop Net
* 423F4F4B30, 424F130D3D	08/01/2001	55.2	59.5	63.0	Hand
* 424E797373, 424F7F5B39	08/01/2001	43.5	46.5	25.0	Net
* 41357D071D, 42502A0E71	11/07/2001	56.7	60.5	49.0	Scoop Net
* 423F287C49, 424D2E7960	11/07/2001	51.0	54.5	43.0	Hand
* 424D070A27, 4250033F7B	11/07/2001	46.9	50.0	29.0	Hand

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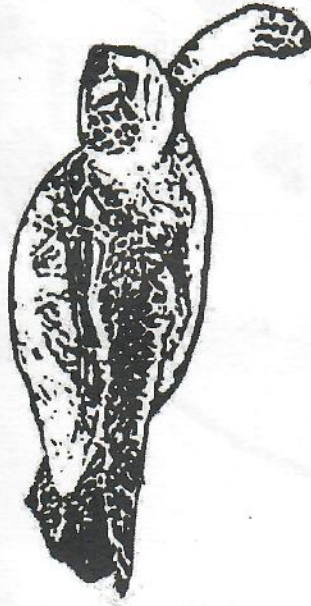
3



# E Mālama i Nā Honu

Care for the sea turtles

National Park Service  
U.S. Department of the Interior  
Kaloko-Honokōhau  
National Historical Park



## Hānau ka pō ia honu kua nanaka

From the darkness of time came the sea turtle with its plated back

- Kumulipo: A Hawaiian creation chant

150 million years before the fiery birth of the Hawaiian Islands, even before there was a Pacific Ocean, the first *honu* (green sea turtle, *Chelonia mydas*) raised its head from the water to breathe. Looking into the teary eyes of a basking turtle, we are literally looking at a survivor of the age of dinosaurs. From ancient reverence and utility to modern wonder, the turtle has fed our bodies and spirits. Modern scientific studies of sea turtles underscore the links that bind our fate to that of the *honu*. Kaloko-Honokōhau National Historical Park provides a rare opportunity to see healthy sea turtles in their natural habitat. Many turtles haul out onto the beach to bask, but this leaves them vulnerable to curious visitors. Please respect the *honu* and observe at a distance this great ambassador to the seas.

## Honu & Culture

The *honu* is a powerful metaphor of the connection between people, land, and ocean. Hawaiian legend holds that the hero 'Ai'ai created *honu* by drawing marks upon a rock near the water turning it into a turtle. Because it is part earth, the creatures must return to land to lay their eggs. The *honu* has a place in myth and legend as a messenger, a monster sent to attack enemies, a living canoe that transports lovers to each other,

and even as the foundation of some of the islands. They were food and medicine. A famous hula imitates the thrashing and digging motions of a turtle laying her eggs. Turtle imagery appears in rock art, tapa patterns, and in string games. Encounters with the creature are counted as the highlight of many visitors' trip to the park. The ancient connection between land and sea that the *honu* represents is still strong today.



Turtle petroglyph pecked into lava



## Research and the Honu

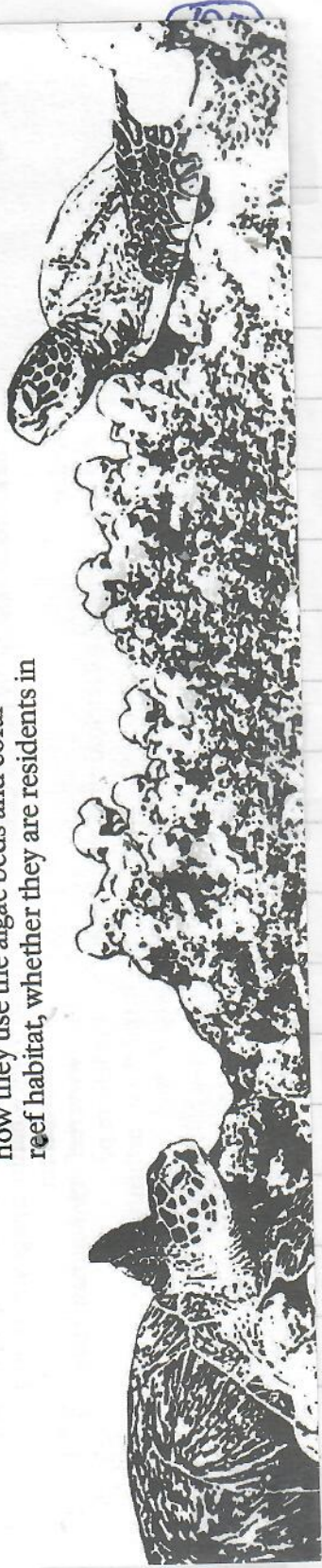
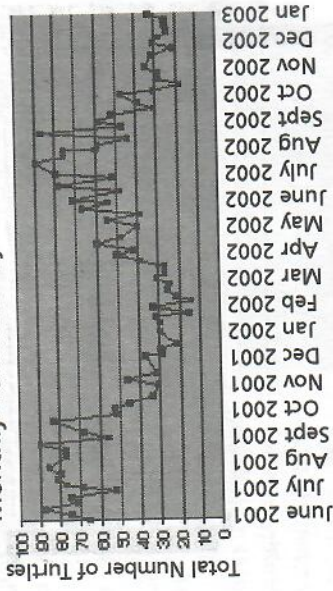
In July of 1978, green sea turtles were listed as a threatened species. Four months later, Kaloko-Honokōhau was designated a National Historical Park. In the refuge of the shallow waters modified by people to raise fish hundreds of years ago, the turtle has flourished. Currently more than 130 turtles use the park on a regular basis and are likely long-term residents. However, they are juvenile or sub-adults, weighing only 19-140 pounds as opposed to the 200-400 of a full-grown animal. It is most likely that this young population was born after the federal listing of the *honu* and is a direct result of their protection. They have never known hunting. Recently in the main Hawaiian Islands, turtles have begun exhibiting "basking behavior" where they "haul-out" on shore to rest. This behavior is a relatively new phenomenon here and is believed to be a result of federal protection.

The park has an active turtle research program in cooperation with the Marine Turtle Research Program of the National Marine Fisheries Service (NMFS). The park and the NMFS are investigating the health and growth rates of the turtles, how they use the algae beds and coral reef habitat, whether they are residents in

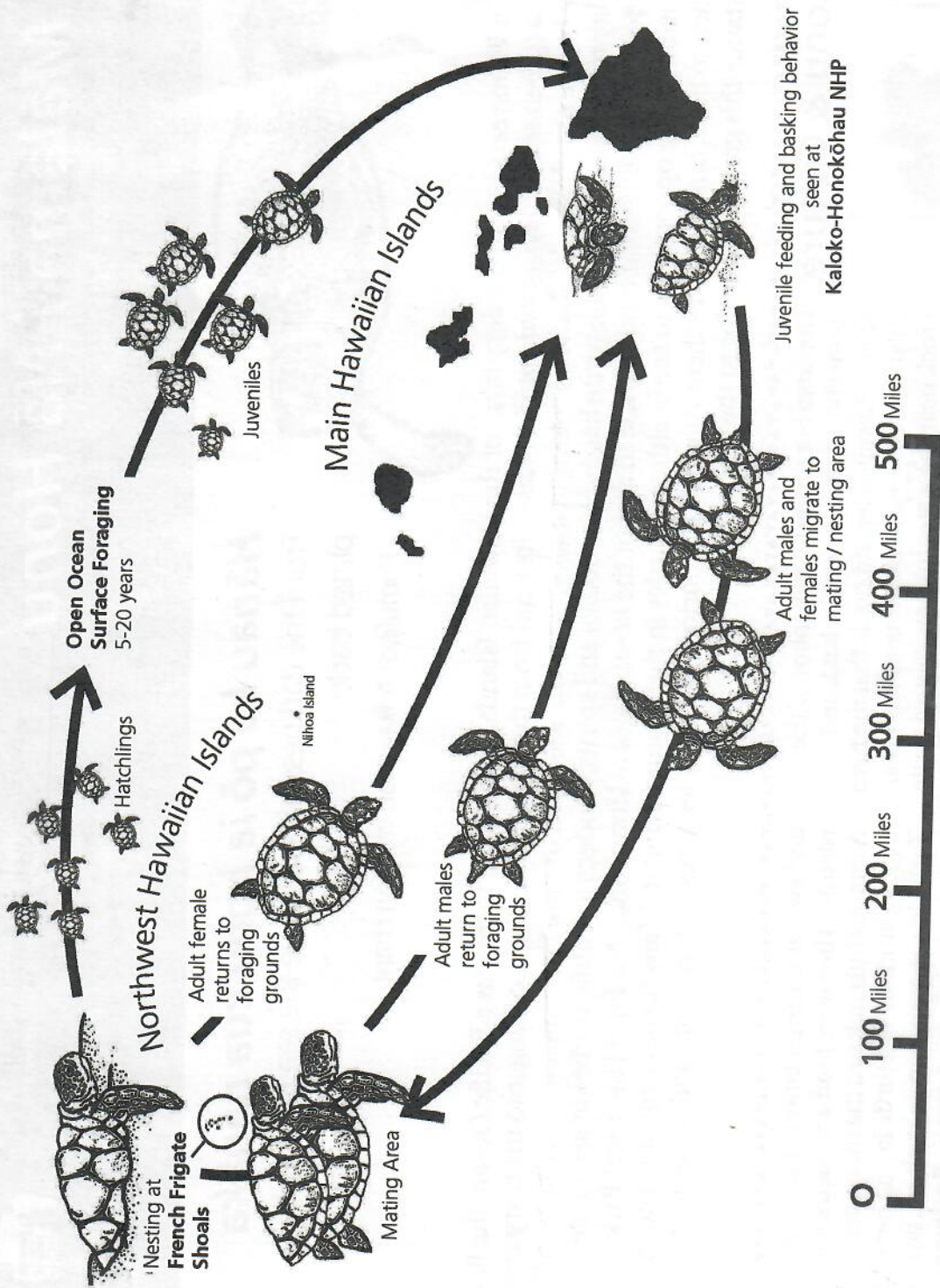
the park or migrating through, and their seasonal abundance within the park (see Monthly Beach Survey graph below).

Preliminary results lead to more questions. A major concern regarding the entire Hawaiian green turtle population is a disease called green turtle fibropapillomatosis. Infected turtles have lesions and tumors that erupt externally and internally. Its cause is not known, but it appears to be fatal. It primarily strikes juvenile turtles, the same age group that resides in Kaloko Honokōhau. Thankfully, west coast Hawai'i Island turtles do not yet have this problem. Why? We continue to be vigilant for signs of the disease.

Monthly Beach Survey







U.S. Department of the Interior  
 Bureau of Land Management  
 Hawaiian Monk Seal Recovery Plan  
 Appendix A: Distribution and Migration of Hawaiian Monk Seals



## Lifecycle of the Honu

A marine reptile, the *honu* breathes air with lungs, has scales, and lays eggs on land. Its life cycle encompasses many different habitats and behaviors at different stages of growth. This cycle makes the *honu* a good indicator of oceanic health, but also subjects it to a wide range of human and natural threats.

Born in a scurry of flippers and scratching to dig up through the sandy nest to reach the flowing tide, the hatching turtle is threatened before it ever meets the ocean. Throughout the world, predators, egg harvesters, coastal development, housing and hotel lights, and polluted water all kill baby turtles. If they make it, they swim to the open ocean to eat jellyfish and other floating animals. Often, discarded plastic bags, balloons, and bits of trash are mistaken for food and constrict the digestive tract, killing the turtle. As juveniles, the *honu* gravitate to the coastal waters of Hawai'i, grazing like cows on patches of *limu* or algae. Here they are vulnerable to speeding boats, entanglement

in fishing gear, and pollutants poisoning the algae beds. When they reach maturity at around 25 years, they make the 800-mile journey to French Frigate Shoals in the Northwest Hawaiian Island chain. Here they mate. Drift nets and long-lines are a threat during migration, and sharks are attracted to the numerous turtles during mating. Finally, the eggs are laid and the cycle is renewed. The lifespan of a *honu* is not yet known, but they could live up to 100 years. The sex of the turtle depends on the temperature conditions in the nest. Ironically global warming could affect the population by fostering one sex.

Kaloko-Honokōhau NHP is witnessing a revival of turtles. The population is increasing, and the animals appear healthy. We are observing them in the equivalent of their "teen years" eating and resting on the shore until they are mature. As time progresses, we hope to see more age distribution. The *honu* is not out of danger yet, but they are a classic example of the power of conservation and preservation.



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Participants List Honolulu  
4-10-04  
Saturday

First Name	Address	County
Annunzio	PO Box 11220 Kapaau	HI 96755
Robin Rose	3 Benjamin St	Rehoboth MA 02769
Elena Graham	P.O. Box 155 Hawi	HI 96719
Jessie Neel	P.O. B 1578 Kapaau	HI 96755
Joanne Pettigrew	PO Box 746 Haleiwa	96712 *For the

to find to say their egg. The hawks in myth and legend as a messenger sent to attract energies, stirring that transports lovers to each other.

... use the park on a regular basis and rely long-term residents. However, are juvenile or sub-adults, weighing 9-12 pounds as opposed to the 15-20 pounds of a full-grown animal. It is most that this young population was born the dispersal of the home and is the result of their protection. They are well known hatching. Recently in the Hawaiian Islands, turtles have begun exhibiting "basking behavior" where they come on shore to rest. This behavior is thought to be a result of elevated protection.

Preliminary results lead to more questions. A major concern regarding the entire Hawaiian green turtle population is a disease called green turtle fibropapillomatosis. Infected turtles have lesions and tumors that erode externally and internally. Its cause is not known, but it appears to be fatal. If primarily strikes juvenile turtles, the same egg group that resides in Kahalo, Honolulu. Thankfully, west coast Hawaii and turtles do not yet have this problem. Why? We continue to be vigilant for signs of the disease.

Monthly Beach Survey

Northwest Hawaiian Islands

Turtle

Beach Survey



200

N=23

# 4/10/04 PARTICIPANT HONAUANU (HONU NOU)

NAME	Affiliation	Comment
Carlye Unger	HPA	Hehehe AWESOME
Sky Fever	HPA	(that was sky's comment?)
Brandon Leventer	HPA	
Iris Markham	BELL <sup>seductive</sup>	Fun! (up to pos)
Christina Costanese	BELL	Amazing! Great
Justin Grimm-Greenblatt	Bell	Best ever
Jayce G	BELL	
Tim Roed	Bell	
David "Dave" Conatney	Bell	
Beth Sosik	Bell	
Kyle & Haffin	Bell	
Jess Egan	Bell	
Lonnie Ayoa	Bell	
Liesl Voges	BELL	
Geoff Malich	BELL	
Jeremy Bouchard	BELL	
Blaise	BELL	
Sydney Penny	BELL	
Michelle Tulson	BELL	

4 Alae St.  
HI 10 HI, 96720

need → Marine Sci's Area  
Turtles - Polo Spar  
Ralph L...

Sweet action  
Niiiiiiiiiiiiiiii!

really really cool  
YAY!

AMAZING  
Howdy

all the words  
A lot of fun

sweet deal  
mmm. turtle

Awesome, cool, &  
awesome!! amazing



**LENGTH**

- 1 meter (m) = 100 cm = 1,000 mm
- 1 millimeter (mm) = .1 cm = .001 m
- 1 centimeter (cm) = .01 m = .39 inches
- 1 decimeter (dm) = .1 m = 3.9 centimeters
- 1 decameter (dkm) = 10 m = 32.8 feet
- 1 hectometer (hm) = 100 m = 328 feet
- 1 kilometer (km) = 1,000 m = .62 miles

- There are eight parts of speech:
  1. **NOUN**- the name of a person, place, thing or idea
  2. **VERB**- an action or state of being
  3. **ADJECTIVE**- describes a noun
  4. **ADVERB**- describes another adverb

- Some verbs need help

**INCORRECT**

- I be / You be
- I ain't / You ain't
- I got to
- I seen
- I done

**CORRECT**

- I am / You are
- I am not / You are not
- I have to
- I have seen / I saw
- I have done / I did

- Punctuation

A **comma** is used to separate items in a list or to separate a clause from the rest of the sentence.

A **colon** is used primarily to separate a list of items from the text that follows.

A **semicolon** indicates a relationship between groups of items in a list.

An **apostrophe** is used to show possession, as in *I've* or *they've*.

An **hyphen** divides words that belong together.

A **quotation mark** is used to indicate the beginning and end of a quote in titles, short plays, television programs, magazine articles and poems.

**Underlining** is used with the titles of books, movies, newspapers, magazines, long plays and poems.

**Additional Information**

The National Park Service has specific information about the sea turtles of Kaloko-Honokōhau NHP. Inquire at the visitor reception desk for more detailed information, or call 808-329-6881



**Books**

- The biology of sea turtles.* Edited by P.L. Lutz & J.A. Musick
- Decline of the sea turtles: Causes and prevention.* by The National Research Council
- Fire in the turtle house: The green sea turtle and the fate of the ocean.* by Osha Gray Davidson
- Sea turtles of Hawaii.* by Patrick Ching

**Video**

- Red Turtle Rising.* Artifact Studios in association with the Honu Project (1999)
- Fall of the Ancients, Hawaii's Green Sea Turtles in Crisis.* Earthtrust Production in Association with the Honu Project, Kailua, Hawaii (1992).

**Internet:**

- [http://www.nmfs.noaa.gov/prot\\_res/PR3/Turtles/turtles.html](http://www.nmfs.noaa.gov/prot_res/PR3/Turtles/turtles.html)
- <http://www.turtles.org>
- <http://www.hpa.edu/TurtleTagging/TurtleTagging.html>
- <http://www.nmfs.hawaii.edu/psi/pubs94.html>
- <http://www.nature.nps.gov/hottopics/greenturtle.htm>
- [http://www.ref.org/data/haw/nmfs\\_turtleform.pdf](http://www.ref.org/data/haw/nmfs_turtleform.pdf)
- <http://www.earthtrust.org/wlcurric/turtles.html>
- <http://www.environment-hawaii.org/archive.htm>

**EXPERIENCE YOUR AMERICA**

**WEIGHT**

- 1 gram (g) = 100 cg = 1,000 mg
- 1 milligram (mg) = .001 g
- 1 centigram (cg) = .01 g
- 1 decigram (dg) = .1 g
- 1 decagram (dkg) = 10 g
- 1 hectogram (hg) = 100 g
- 1 kilogram (kg) = 1,000 g

stitutes for a noun  
 connects a noun to another  
 nce  
 - connects words or ideas  
 - an exclamation

"it is" or "it has".  
 eans "you are".

ect. To "lie" is to recline.

To "effect" is to cause.

rds that belong together.

omma; and is often used

ny's pen; to form a contraction  
 hree R's, 7's and 11's.  
 ty-five.

es of songs, short stories, chapter





## The Hawaiian Honu Activity Booklet for Kids.



According to Hawaiian legend, Kauila was a turtle with special power. She could turn herself into a young girl. The people loved Kauila because during the day, she took human form and watched over the children as they played along the shoreline of the bay.

Some Hawaiians regard the green sea turtle as an *'aumakua* (family guardian.) Honu was a protector, and the embodiment of their ancestors. Rock carvings of turtle images called petroglyphs can be found throughout Hawaii.



**Junior Ranger Program**  
**Explore, Learn, Protect**

**Honu.** Green sea turtles are fully protected under both the Federal Endangered Species Act and under state law. These laws prohibit hunting, injuring or harassing sea turtles.

Traditionally, kapu were placed on taking honu to ensure their abundance. They were sometime kept in tide pools and saved for special occasions.

*Do you think people should be allowed to take honu today?*

*Why or why not?*

*Who might want to hurt the turtle and why?*

Observe a turtle on the beach.  
*What is the honu doing?*



"Basking" is when the turtles come ashore to lay in the sun. The turtle is avoiding tiger sharks. Basking also helps increase their body temperature - sea turtles are cold-blooded. Only recently have these turtles felt safe enough to come ashore.

*Why do you think this is?*

*What would you tell people who try to touch the turtles?*



**Nesting.** Turtles travel back to the beach where they were born to mate and lay eggs. Some travel up to 800 miles from Hawai'i.



The female digs out a hole in the sand to lay her eggs, about 100 eggs at one time. She does this 1-3



At lower temperatures, the eggs will become males, and at higher temperatures, the eggs will become females.

*What will happen if the temperature of the earth warms up?*



*List three dangers you think baby turtles might face on their way to the ocean.*



## Mysterious Tumors.

A disease called Fibropapiloma can cause the growth of large tumors on a turtle. The tumors often spread to other parts of the body, which can kill the turtle.



*What do you think humans can do to help the turtles?*



## Fun Fact.

Sometimes turtles go to "cleaning stations" where fish will feed on the algae and clean the turtle's body!

## Honu Helper

I pledge to help keep the Hawaiian Green Sea Turtle safe by keeping our beaches clean. I will tell others what I learned about these special animals, and that we should all malama them. I want them to be around for my kids to enjoy in the future.

---

*(your name)*



Handwritten notes on the left edge of the notebook, including the word "Dose" and other illegible characters.

