

Keoki Balazs

Honu Scientist

889-1570



MAUNA Mead. LANI

COMPOSITION

TID 21 - JULY 2-4, 2010

MOC AUGUST 2019 ~~8-23-2012~~ MOC

OFFICIAL 100 sheets • 200 pages
9 3/4 x 7 1/2 in / 24.7 x 19.0 cm

TID 23 July 3-4, 2012 wide ruled • 09918

PAGES 48

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GEORGE BALAZS

G.H. BALAZS



①

LAURA JM - 895-3174



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MOC - page 41 8/2010

TID 23 - July 3-4 2012
page 49 - TUES. WED.

Page 182 - 2002 proceedings of 2000
ORLANDO, FL Symposium poster paper
"Adaptation..."

July 4
Dear Mr. Balazs, 2010

Thanks for the turtle book!
Also for the pictures,
I think sea turtles
are cute.



from, Matthew

Dear Mr. Balazs,

Thank you so much for
sending pictures of my son
with the turtle. It was so
kind of you to offer - since
my camera battery went dead!
I love the pictures and the
book. Your donation to the
sea turtles is obvious. It will
be an occasion we will
remember fondly.

Petrea Monson
1488 Lewis Way
Folsom, CA 95630

Warm wishes,

Petrea Monson



Notes:

TID 23 July 4, 2012

008932

07/05/2012



Notes:

008932

07/05/2012



(7)

need update MANUSCRIPT

BALAZS et al. 2002

1989

1990-1999 102 25.5-68.0 SCL

12 Resighted 1-5 times 2.3-7.3 years

8 of 12 within 5 km ML

3 others 45-80 km south

1 270 km KBAy

Need - Book About T.I.D.

Footage/photos - Susan; Sweetie
Newspaper articles Archived
T-Shirt designs

BIG ISLAND



Courtesy Mauna Lani Bay Hotel & Bungalows

Independence Day: Honu (turtles) that have been raised in the ponds at the Mauna Lani Bay Hotel are set free in the waters of the Kohala Coast every July 4th.

Hana Hou!

THE MAGAZINE OF HAWAIIAN AIRLINES



2010 contents

Volume 13 Number 3
June / July 2010
www.hanahou.com

Turtle Independence Day 7/4

Held every year on July 4, this event educates people about endangered Hawaiian green sea turtles. Watch as young *honu* (turtles) that have grown up in the ponds at the Mauna Lani Resort are released into the ocean.

Mauna Lani Resort, (808) 885-6622



THE MAUNA LANI BAY ZD10
Hotel and Bungalows · Hawaii

TURTLE INDEPENDENCE DAY & JULY 4TH GUEST ACTIVITIES

In 1989 Mauna Lani began receiving juvenile honu, (*Hawaiian green sea turtle*) from Oahu's Sea Life Park. The honu are raised in the hotel ponds until they grow to a size and weight that is deemed appropriate for release into the wild. This release occurs every July 4th at Mauna Lani Bay.

SATURDAY, JULY 3, 2010

1:00pm HONU WEIGH-IN Get a close-up view of the honu as they are weighed and measured in preparation for their release. Mauna Lani Lanai.

SUNDAY, JULY 4, 2010

10:00am JULY 4TH BBQ

10:00am KEIKI HONU STATION Learn about the youngest of our honu and see them up close. This fun educational opportunity is provided by NOAA, the National Marine Fisheries Service and volunteers from the HPA Sea Turtle Research Program

- 2010 7/27/11
- 10:30am HONU GATHERING The honu are placed in their parade cart. Honu Pond.
Arrive early at 9:30 am to see the all the preparations as the honu are lifted from the ponds!
- 10:45am HONU PARADE & RELEASE Join a walking parade as the honu ride to the beach where they soon will be released. When they arrive at the beach they are welcomed with aloha and the release begins.
- 12:30pm SAND SCULPTURE DEMO Ian Shaw showcases his talents as he sculpts large honu in the sand. Watch closely, ask questions, and you'll soon be an expert. Beach Center.
- 1:00pm SAND SCULPTING CONTEST Show off your hidden talents at building your very own Sand Honu. All ages are encouraged to participate. Beach Center.
- 2:00pm SCAVENGER HUNT A beach and pool favorite activity. Learn about the hotel, the honu, and the Fourth of July in this fun activity. Pool Desk.
- 4:00pm BEACH VOLLEYBALL Join guests in a pick-up game of Volleyball. Sand Volleyball Court.
- 6:30pm S'MORES AT THE FIRE PIT Enjoy a childhood favorite – make your own s'mores. Happening at the beach area fronting Ocean Grill.

Please call the Concierge for more information Ext 24

131

7/3/2010 130pm "weighin" TID 21

MARC Rice

Laura Jim

KRB

GHB

Pii

CK Jim

Elizabeth Jim

TID 21

15

Revised 08/21/07

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

SLP
7-5-2008
HATCH
#11 (Mauna Loi)
#

11 Weigh-IN 11

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

JULY 3, 2010 MAUNA LOI CAPTIVE

PERSON RECORDING DATA:

Release ML 7/4/2010
TID 22

1
COURTYARD
130PM

TUMOR SCORE

0

OLD TAGS:

LH 442167200E
RH 4853525 B6A

NEW TAGS:

ORAL TMRS EXT:
YES OR NO

1

EMACIATION CODE

0

MT#

3

STRAIGHT CARAPACE - LENGTH:

42.0 cm

WIDTH:

33.9 cm

NOTCH LENGTH:

41.6 cm

DB:

0 L.U.

Vb:

0 L.U.

CURVED CARAPACE LENGTH:

45.0 cm

WIDTH:

40.0 cm

HEAD WIDTH:

6.9 cm

LATERAL1:

18.3 cm

LATERAL2:

16.0 cm

PPS: YES OR NO OR NE

Yes

LATERAL3:

12.7 cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

10.0 cm

C

6.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

7.2 cm

PLASTRON LENGTH:

34.7 cm

WEIGHT:

26.24 lbs.

DESCRIPTIVE REMARKS:

26.2

Revised 08/21/07

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

6/17/08
HATCHSLP

#16
ML#

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-3-10 Mauna Lani Captive
PERSON RECORDING DATA: ^{Laura} Elizabeth Jim

Released
7/4/2010
TID 22

TUMOR SCORE

0

ORAL TMRS EXT.
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

4413217F6A

48515D322A

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

39.9 cm

WIDTH: 31.6 cm

NOSE LENGTH: 39.6 cm

Ln: 0 L.O.

Vn: 0 L.O.

CURVED CARAPACE LENGTH:

43.0 cm

WIDTH: 37.0 cm

HEAD WIDTH: 6.5 cm

LATERAL1: 15.5 cm

LATERAL2: 13.6 cm

PPS: YES OR NO OR NE N

LATERAL3: 10.4 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 9.5 cm

C 6.0 cm

RIGHT FRONT FLIPPER WIDTH:

6.6 cm

PLASTRON LENGTH: 31.1 cm

WEIGHT: 18.98 #

DESCRIPTIVE REMARKS:

19.0 lbs

SAMPLES COLLECTED:

Empty boxes for sample collection data.

Revised 08/21/07

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

6/17/08
SLP HATCH

ML
#20

3

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-3-10 MANNA LANI Captive ML

PERSON RECORDING DATA: Laura Jim

release of 7/4/2010
TID 22

TUMOR SCORE

0

OLD TAGS:

LH 44142F1A5A
RH 48514E6F4D

NEW TAGS:

RHF

LHF

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH:

42.7 cm

WIDTH: 34.0 cm

NOTCH LENGTH: 42.4 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

45.5 cm

WIDTH: 38.5 cm

HEAD WIDTH: 6.7 cm

LATERAL1: 16.7 cm

LATERAL2: 142 cm

PPS: YES OR NO OR NE NO

LATERAL3: 11.9 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 11.0 cm

C 65 cm

RIGHT FRONT FLIPPER WIDTH:

7.4 cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 33.5 cm

WEIGHT: 23.10 lbs

DESCRIPTIVE REMARKS:

1st central divided in two



BORN
that way

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Pacific Islands Fisheries Science Center
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* photo taken showing growth rings

6/17/08
SUP HATCH

4

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 7/13/10

#13

CAPTURE DATE, LOCATION AND METHOD:

Mauna Lani Captive 7-3-2010

new right hind

PERSON RECORDING DATA: Laura Jim

7/4/2010 Released
ML T. 1000

TUMOR SCORE

0

OLD TAGS:

LH

4413395714

RHF

4A1632117F

ORAL TMRS EXT:
YES OR NO

—

LHF

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH:

42.1 cm

WIDTH: 34.5 cm

NOTCH LENGTH:

41.6 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

45.5 cm

WIDTH: 39.5 cm

HEAD WIDTH:

6.6 cm

LATERAL1:

17.4 cm

LATERAL2: 15.3 cm

PPS: YES OR NO OR NE

Yes

LATERAL3:

12.1 cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

11.0 cm

C

7.5 cm

RIGHT FRONT FLIPPER WIDTH:

7.0 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

33.5 cm

WEIGHT:

24.38 #

DESCRIPTIVE REMARKS:

Right Hind # 48303F5908 not being read

EXISTS
Seam between 1st & 2nd Lateral 1 month old impact injury

6/17/08
SLP
HATCH

#12
ML

DATE FORM FILLED OUT / /

5

CAPTURE DATE, LOCATION AND METHOD:

Mauna Lani Capture 7-3-2010 Released
7-4-2010 ML

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

RH

4414732B52

LH

44146E4C06

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

40.8 cm

WIDTH:

32.6 cm

NOTCH LENGTH:

40.7 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

43.5 cm

WIDTH:

38.0 cm

HEAD WIDTH:

6.4 cm

LATERAL1:

16.7 cm

LATERAL2:

14.8 cm

PPS: YES OR NO OR NE

No

LATERAL3:

11.6 cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

9.5 cm

C

6.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

6.9 cm

PLASTRON LENGTH:

32.4 cm

WEIGHT:

21.30 #

DESCRIPTIVE REMARKS:

Revised 06/21/07

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Pacific Islands Fisheries Science Center
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Honolulu, HI 96822-2396

ML
#17

6/17/08
Hartnett

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

6

Mauna Leni Captive 7-3-2010
Released 7/4/2010
T/1522 ML

PERSON RECORDING DATA: Laura J.M

TUMOR SCORE

0

OLD TAGS:

LH 4414404C2D
RH 483E5F5555

NEW TAGS:

RHF
LHF

ORAL TMRS EXT.
YES OR NO

-

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH: 40.7 cm

WIDTH: 32.6 cm

NOTCH LENGTH: 40.5 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH: 44.0 cm

WIDTH: 39.0 cm

HEAD WIDTH: 6.8 cm

LATERAL1: 17.6 cm

LATERAL2: 15.4 cm

PPS: YES OR NO OR NE No

LATERAL3: 12.5 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 10.0 cm

C 6.5 cm

RIGHT FRONT FLIPPER WIDTH: 7.5 cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 34.4 cm

WEIGHT: 23.24 lb

DESCRIPTIVE REMARKS: 23.2 lbs

N=7

6/17/08

Revised 08/21/07

2008 ~~2008~~ HATCH

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ML #21

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 7/3/10

"Black Beauty"

CAPTURE DATE, LOCATION AND METHOD:

7

7-3-2010 MANNA LANI Captive

PERSON RECORDING DATA: Laura Jm

Released ML 7/4/2010
TID 22

TUMOR SCORE

0

OLD TAGS:

RH

441429732E

NEW TAGS:

RHF

LHF

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH:

42.7 cm

WIDTH:

34.5 cm

NOTCH LENGTH:

42.5 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

46.0 cm

WIDTH:

39.5 cm

HEAD WIDTH:

6.5 cm

LATERAL1:

17.0 cm

LATERAL2:

15.7 cm

PPS: YES OR NO OR NE

No

LATERAL3:

12.8 cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

11.0 cm

C

7.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

6.7 cm

PLASTRON LENGTH:

32.8 cm

WEIGHT:

24.76 lbs. 24.8 lbs

DESCRIPTIVE REMARKS:

Black photograph / ~~of black turtle~~

25

SHIPPED
SCT TO ML
7/3/2010

Revised 08/21/07 NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, HI 96822-2396

2009
hatch

Painted
34

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 7/3/2010

CAPTURE DATE, LOCATION AND METHOD:

1 8/20/09 7/3/2010 MAUNA
LOAHI CAPTIVE

PERSON RECORDING DATA: Laura Jim

N=4

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/>	metal YX34	RHF 4A450A0A10
ORAL TMRS EXT: YES OR NO		LHF 4A7C03585B
<input type="checkbox"/>		
EMACIATION CODE		
<input type="checkbox"/>	MT#	

STRAIGHT CARAPACE - LENGTH:	28.0 cm	WIDTH:	21.5 cm
NOTCH LENGTH:	27.8 cm	DB:	L.O.
		VB:	L.O.
CURVED CARAPACE LENGTH:	30.0 cm	WIDTH:	25.0 cm
HEAD WIDTH:	4.8 cm	LATERAL1:	11.9 cm
		LATERAL2:	9.9 cm
PPS: YES OR NO OR NE	No	LATERAL3:	7.8 cm
		SEX: Male, Female or Undetermined	<input type="checkbox"/>
TAIL LENGTH: T	6.5 cm	C	4.0 cm
RIGHT FRONT FLIPPER WIDTH:	5.0 cm	SAMPLES COLLECTED:	
PLASTRON LENGTH:	22.4 cm		
WEIGHT:	7.26 # lb.		

DESCRIPTIVE REMARKS:

Flat Tail

SHIPPED
SLPTO MLBA 7/2
10/30/10

2009 Hatch

(27)

Revised 08/21/07

NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
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2009
HATCH

#24

Size 1 tag # YW24
3-4R

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 7/3/10

CAPTURE DATE, LOCATION AND METHOD:

2
SLPTO 7/3/10 MANUA CANI
captive

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

YN24

NEW TAGS:



RHF

4A7B7A2C53

LHF

4A1561727F



MT#

STRAIGHT CARAPACE - LENGTH:

27.8 cm

WIDTH: 23.0 cm

NOTCH LENGTH: 27.7 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

29.5 cm

WIDTH: 26.5 cm

HEAD WIDTH: 4.8 cm

LATERAL1: 11.7 cm

LATERAL2: 10.3 cm

PPS: YES OR NO OR NE .N

LATERAL3: 8.1 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 5.0 cm

C 2.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: 5.1 cm

PLASTRON LENGTH: 23.0 cm

WEIGHT: 7.5 lbs #

DESCRIPTIVE REMARKS:

Flat tail

#47
PAINT

Revised 08/21/07

Shipped 7/2/2010
SLP to ML
2009
Hatch

(29)

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

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 7/3/10

CAPTURE DATE, LOCATION AND METHOD:

Maui Captive
SLP to MLBH
PERSON RECORDING DATA: Laura Jim

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

MT#

OLD TAGS:

Empty table for old tags

45224D205A



RHF

4524021352



LHF

STRAIGHT CARAPACE - LENGTH:

26.6 cm

WIDTH: 21.4 cm

NOTCH LENGTH: 26.5 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

28.5 cm

WIDTH: 24.5 cm

HEAD WIDTH: 4.5 cm

LATERAL1: 10.6 cm

LATERAL2: 9.0 cm

PPS: YES OR NO OR NE N

LATERAL3: 7.3 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 6.0 cm

C 3.5 cm

RIGHT FRONT FLIPPER WIDTH:

4.9 cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 21.2 cm

WEIGHT: 5.8 lbs.

DESCRIPTIVE REMARKS:

no metal tag
Flat tail

#38

4

2009 HATCH

N=4
Slipped SLP and ML
7/2/2010

Date Form Filled Out 7/3/10

SLP to Mauna Lani 7/2/10

MAUNA LANI CAPTIVE

New Tags

LH

45282F7877



RH



4528357643

Straight Carapace Length: 26.4 width: 21.8

Notch length: 26.4

Curved Carapace: 28.0 width: 25.5

Head Width: 4.8

Laterals

PPS: No

1: 11.4

2: 10.5

Tail Length: ⊕ 5.5

⊙ 3.5

3: 8.7

Right Front Flipper: Width: 4.9

Plastron Length: 21.8

Weight: 6.6

Notes: Flat Tail



straight carapace length: 3.4 width: 2.8

Notch length: 3.4

Curved carapace: 3.8.0 width: 3.2.2

Head width: 4.8

lateral 1: 11.4

2: 10.2

3: 8.7

Tail length: 2.2 @ 3.2

Right front flipper width: 4.9

Plastron length: 2.8

Weight: 2.2

Notes Flat Tail

July 4, 2010 TID 21

(33)

Ana North PO Box 1254, Kamuela, HI 96743

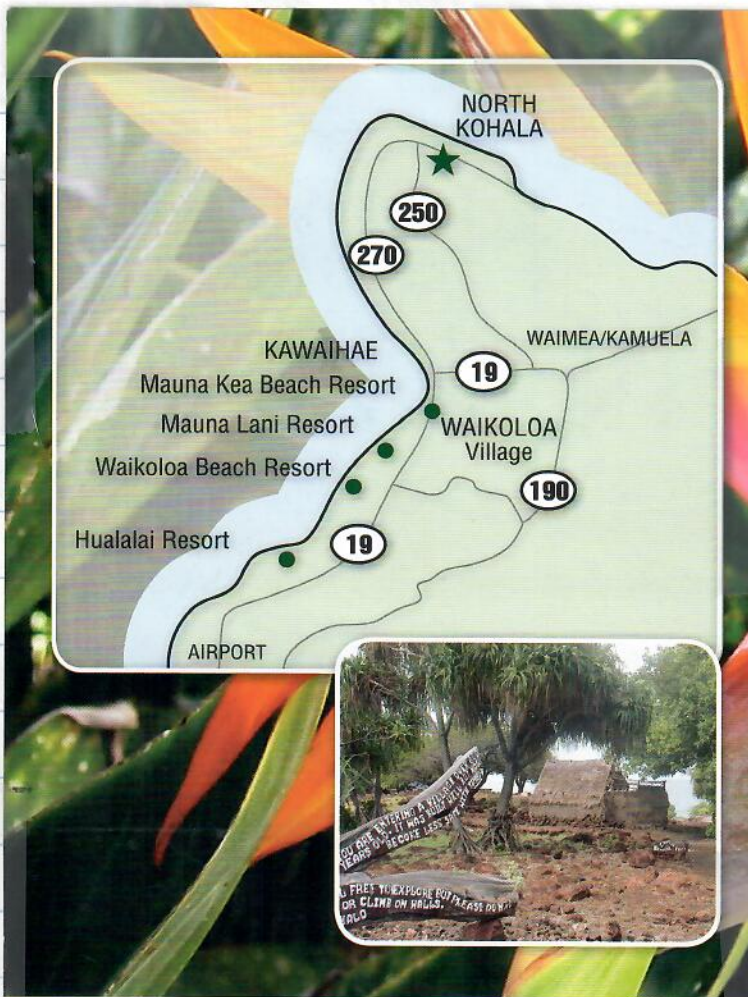
Isabelle Friend POB 1196 Honokaa
Thank you!! 96729

Petra Manson 1488 Lewis Way
Boy w/ Black hat Folsom Calif 95630
+ Bwe Skit Thank you!

Gidget Carvalho PO Box 6793 Hilo HI 96720
teal green halter dress = mom like girl w/ long blonde
hair.

* honu tattoo orange tribal - lee mattingly
2818 DE Soto Drive, Austin Texas 78733

5 girls Makha Patterson
Brown Towel P.O. BOX 1165 Kamuela, HI
96743



Points of Interest

Lapakahi Park – Take an easy hike around an ancient Hawaiian fishing village.

Mo'okini Heiau – Ancient temple built in 640 A.D.

Kapaa Park – A beautiful spot to picnic, swim and whale watch.

Mahukona Beach Park – Historic Harbor. Stop by for a picnic, a snorkel and swim or even a barbecue.

Kamehameha Birthplace – Birthplace of King Kamehameha. He is revered by Hawaiians and credited for bringing all of the islands together in peace.

Keokea Beach – A great place to picnic.

Pololu Valley and Lookout – Take a moderate hike down to the valley floor and see the ironwood forest and native plants; enjoy the black sand beach.



Kept AT ^{Milecan} MOC Center
8-12-10 MOC (2009)

new
PITS
8/12/10
By Beth D. SVP vet

1
 46080D217F LH
 No flipper tag
 4601766833 RH
 wt 6.7 #
 SCL 28 cm
 SCW 22 cm

2
 46077F630A LH
 RF 3-4
 YW 33
 46071B6370 RH
 1st chip
 backed out w/
 needle. replaced chip
 wt 8.1 #
 SCL 29.6 cm
 SCW 23.8 cm

3
 No tag
 flipper
 46016F0337 LH
 4602591750 RH
 wt 7.7
 SCL 28.7 cm
 SCW 23.5 cm

4
 No flipper
 tags
 4607550806 LH
 4602006C4B RH
 wt 8.5 #
 SCL 29.9 cm
 SCW 24.6 cm

5
 No flipper
 tag
 4607440D47 LH
 4608155C3F RH
 wt 7.0 #
 SCL 27.6 cm
 SCW 22.7 cm

New
ETS
8/12/10

Man Ocean
Center
By Beth D.
SLP
vet

Released =
P

17 PIT TAGS
8/10
INSERED DUM MOCENT (2008)
BY STEW DOESCHER

Man Ocean Center
5-12-10
No flipper tag

LH wt 28.5 #
RH wt 44.9 cm
SL 36 cm

48413A6E5E



48582D6554



No flipper tag
No to be released
Nov 8/25/10

LH wt 33.4 #
RH wt 46.8 cm
SL 38 cm



4607626424

46073A364D



B
W440
RF
mid 4

LH wt 29.4 #
RH wt 44.8 cm
SL 35.8 cm

LH

46075A3302



RH

46074A6D01

C
No
Flipper
tag

New PITS 8/10/10 MD Center Released = 43
 By Betty

D
 No tag

4851446867
 482F763965

LH RH

wt 29.7 #
 SCL 46.7 cm
 SCW 35.5 cm

E
 No slipper tag

46072C7633
 4608006E02

LH RH

wt 26.7 #
 SCL 44.3 cm
 SCW 35.8 cm

F
 No slipper tag

483951501F
 4608126904

LH RH

wt 31 #
 SCL 46.2 cm
 SCW 36.7 cm

48

Pii
LAURA JIM
COCO _____
CK JIM
ELIZABETH JIM

~ 30 people
at start

Going to
New Caledonia
Brother
younger

①
②
③ } mother

TARA &
CHRISTINA | from
SEA Life Park

" IWI " ⇨ HPA

49

Revised 08/21/07

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

2PM - 330 PM

①

"WEIGH-IN"

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7/3/2012 Tuesday Mountain Captive SLP

PERSON RECORDING DATA: GB* CK RICE

Released ML

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

4850604A38

NEW TAGS:

JULY 4,
2012

RHF
LHF

4C3B5E0525

MT#

STRAIGHT CARAPACE - LENGTH:

40.6 cm

WIDTH: 34.1 cm

NOTCH LENGTH: 40.4 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

44.5 cm

WIDTH: 39.2 cm

HEAD WIDTH: - cm

LATERAL1: 17.3 cm

LATERAL2: 15.5 cm

PPS: YES OR NO OR NE -

LATERAL3: 12.7 cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T 10.5 cm

C 6.5 cm

RIGHT FRONT FLIPPER WIDTH: - cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 32.8 cm

WEIGHT: 23.2 #

DESCRIPTIVE REMARKS:

white "dot" 4rd Lat, Left

2 years old
SLP hatched 2010

MONTHLY DATA ON TURTLES

DATE :

4/25/2012

Technicians Henry Nitura, Pi'i Laeha

SHELL#	location	PIT tag left hind	PIT tag right hind	WEIGHT (lbs)	SCL (cm)	observations
91	Honu	4A1561727F	4A7B7A2C53	34.8	47.3	mouth clean
92	Honu	4A7C03585B	4A450A0A10	34.9	45.6	mouth clean
94	Honu	4524021352	45224D205A	39.6	48.8	mouth clean
81	Honu	442C57245D	09543	18.9	37.2	1 spot on tip of tongue
83	Honu	442F5D5D1F	130F	24.2	41.4	mouth clean
84	Honu	48515D430D	1448	16.7	37.7	mouth clean
85	Honu	4850604A38	0525	21.8	39.8	mouth clean
86	Honu	48564C3607	165D	20.6	38.9	mouth clean
11	Atrium	4414362C26	4856495E23	5.6	25.3	mouth clean
12	Atrium	4413010B63	44145E7F17	6.2	26.0	1 spot on left side of tongue
13	Atrium	4413155176	4413064C68	6.2	26.3	mouth clean
14	Atrium	483A0C4327	4852053C0B	5.8	25.2	1 spot on tip of tongue
15	Atrium	4414073471	4413262B08	4.9	23.9	mouth clean



* missing tag

NEW TAGS 6/8/12

- 61 4C3D210843
- 83 4C3B3A130F
- 84 4C3C591448
- 85 4C3B5E0525
- 86 4C3B3C165D

PLAN ON RELEASING 6 TURTLES

- 91 - 2009 hatch
- 92 - 2009 hatch
- 94 - 2009 hatch
- 83 - 2010 hatch
- 85 - 2010 hatch
- 86 - 2010 hatch

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7/3/2012 MAUNA LOA CAPTIVE SLIP
PERSON RECORDING DATA: GB+CK Rice

Released ML
7/4/2012

TUMOR SCORE

0

OLD TAGS:

L 4A7C03585B

NEW TAGS:

ORAL TMRS EXT. YES OR NO

—

RHF

LHF

EMACIATION CODE

R 0

4A450A0A10

MT#

STRAIGHT CARAPACE - LENGTH:

46.7 cm

WIDTH:

36.8 cm

NOTCH LENGTH:

46.3 cm

DB:

0

L.O.

VB:

0

L.O.

CURVED CARAPACE LENGTH:

51.0 cm

WIDTH:

43.5 cm

HEAD WIDTH:

— cm

LATERAL1:

21.2 cm

LATERAL2:

20.1 cm

PPS: YES OR NO OR NE

—

LATERAL3:

15.2 cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

13.0 cm

C

8.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

38.4 cm

WEIGHT:

37.5 #

DESCRIPTIVE REMARKS:

3 year old (sea life parky summer 2009 hatch)

53

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

3

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7/3/2012 Mouna Lani Captive Sealife Park
PERSON RECORDING DATA: GB + CK Rice Released ML

TUMOR SCORE

0

OLD TAGS:

LH 442F5D5DIF
RH 4C3B3A130F

NEW TAGS:

7/4/2012

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH:

42.3 cm

WIDTH:

35.0 cm

NOTCH LENGTH:

41.9 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

45.5 cm

WIDTH:

40.0 cm

HEAD WIDTH:

— cm

LATERAL1:

17.5 cm

LATERAL2:

14.6 cm

PPS: YES OR NO OR NE

LATERAL3:

12.4 cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

9.5 cm

C

5.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

34.5 cm

WEIGHT:

24.9 #

DESCRIPTIVE REMARKS:

2 year old (SLP hatched 2010)

White dot on 4 2nd lateral left.

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7/3/2012 Manna Lani Captive Sea Life Park
PERSON RECORDING DATA: GB + CK Rice Released ML

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/> L	4524021352	7/4/2012
ORAL TMRS EXT: YES OR NO	45224D205A	
<input type="checkbox"/> R		
EMACIATION CODE		
<input type="checkbox"/>		
MT#		

STRAIGHT CARAPACE - LENGTH: 50.8 cm WIDTH: 40.3 cm

NOTCH LENGTH: 50.5 cm DB: 0 L.O. VB: 0 L.O.

CURVED CARAPACE LENGTH: 54.0 cm WIDTH: 47.8 cm

HEAD WIDTH: — cm LATERAL1: 21.0 cm LATERAL2: 18.3 cm

PPS: YES OR NO OR NE — LATERAL3: 15.3 cm SEX: Male, Female or Undetermined

TAIL LENGTH: T 11.5 cm C 8.5 cm

RIGHT FRONT FLIPPER WIDTH: — cm

PLASTRON LENGTH: 40.8 cm

WEIGHT: 42.0 #

DESCRIPTIVE REMARKS:

DORSAL MOUTH - 1 Pimple
3 years old - SLP hatched 2009

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7/3/2012 MAUNA LANI Captive Sea Life PARK
PERSON RECORDING DATA: AB + CK RICE

Released ML
7/4/2012

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/> 0	L 48564C3601	RHF
ORAL TMRS EXT: YES OR NO	R 4C3B3C165D	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 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:

2 years old = SLP Hatch 2010
White dot 5th central

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59

6

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7/3/2012 Mawna Lani Captive Sea Life Park
PERSON RECORDING DATA: GB + CRICE

Released ML
7/4/2012

TUMOR SCORE

0

OLD TAGS:

L 4A1561727F

NEW TAGS:

7/4/2012

ORAL TMRS EXT:
YES OR NO

R

4A7B7A2C53

RHF

LHF

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH:

47.8 cm

WIDTH:

38.6 cm

NOTCH LENGTH:

47.5 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

51.5 cm

WIDTH:

46.0 cm

HEAD WIDTH:

- cm

LATERAL1:

20.4 cm

LATERAL2:

17.0 cm

PPS: YES OR NO OR NE

LATERAL3:

13.9 cm

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

10.5 cm

C

6.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

- cm

PLASTRON LENGTH:

38.9 cm

WEIGHT:

37.0 #

DESCRIPTIVE REMARKS:

3 years old = SLP hatched ^{Summer} 2009

61

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

[Empty box for capture date, location and method]

PERSON RECORDING DATA:

TUMOR SCORE []	OLD TAGS: []	NEW TAGS: RHF []
ORAL TMRS EXT: YES OR NO []	[]	LHF []
EMACIATION CODE []	[]	[]
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: [] #

DESCRIPTIVE REMARKS:

SAMPLES COLLECTED:

[Empty box for samples collected]

23
○○○○

Sidney Vermeulen Going into 8th grade

- SHERRI FRASER 916 Wilson ST. So. OAS, WY 25309

- Natalie Edgell

3434 Archetto Drive

El Dorado Hills CA 95762

85 9158
WHITE DOT
4 CAT left

Wrt

4938

4C3B5E0525



4C3B5E0525

4C3B5E0525



4C3B5E0525

MANNA LAVA

63 501F



NAIWA LAM

PASSENGER TICKET AND BAGGAGE CHECK
 SUBJECT TO CONDITIONS OF CONTRACT
HAWAIIAN AIRLINES

ISSUED BY
 FROM **HONOLULU**
 TO **IA KONA**

NAME OF PASSENGER (NOT TRANSFERABLE)
MS/GEORGE HARVEY

CLASS DATE
HA 168 L 03JUL945A

ISSUING OFFICE CODE
03JUL12

ISSUING OFFICE CURRENCY
US

ISSUANCE OFFICE
115210970

FARE BASIS
Y

STATUS: NOT VALID BEFORE - NOT VALID AFTER

BOARDING PASS

PNR CODE
0EQMXY / HA

CONTRACT NO.

SEAT / SMOKE
8D

SEAT NO
905A

SMOKE NO
8D

FORM OF PAYMENT
ELECTRONIC

STOCK CONTROL NUMBER
17300893309567

TOTAL
485 / H

DO NOT MARK OR WRITE IN THE WHITE AREA ABOVE

Write DOT and extend left

TID
23

(67)

Revised 01/22/08

MAUI OCEAN CENTER
GREEN TURTLES

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

① 71

"HOKU" Turtle

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8

123 10 2010
12

5/10 Captive hatched

D

CAPTURE DATE, LOCATION AND METHOD:

8/23/12 MOC Captive Release
GRAND WAILEA HOTEL
MAUI

PERSON RECORDING DATA:

Nadine SUGAM

TUMOR SCORE

0

OLD TAGS:

L 48533E2131

NEW TAGS:

ORAL TMRS EXT:

YES OR NO

—

RHF

LHF

EMACIATION CODE

0

MT#

STRAIGHT CARAPACE - LENGTH:

44.1 cm

WIDTH:

34.4 cm

NOTCH LENGTH:

cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

47.0 cm

WIDTH:

39.3 cm

HEAD WIDTH:

cm

LATERAL1:

cm

LATERAL2:

cm

PPS: YES OR NO OR NE

NO

LATERAL3:

cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T

9 cm

C

6 cm

SPECIES:

CM

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

33.4 cm

WEIGHT:

26.4 #

DESCRIPTIVE REMARKS:

looks like "0"

73

2

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Turtle
C
"Luana"

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/23/12 2012

CAPTURE DATE, LOCATION AND METHOD: 8/23/2012 Thursday MOC Captive Release GRAND WAILEA HOTEL

PERSON RECORDING DATA: Nadine Suyama MAUI

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

✓

EMACIATION CODE

0

OLD TAGS:

L 4830353330

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

41.7 cm

WIDTH:

33.4 cm

NOTCH LENGTH:

cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

45.5 cm

WIDTH:

37.5 cm

HEAD WIDTH:

cm

LATERAL1:

cm

LATERAL2:

cm

PPS: YES OR NO OR NE

NO

LATERAL3:

cm

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

7.5 cm

C

4.3 cm

SPECIES:

CM

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

32.9 cm

WEIGHT:

20.6 #

DESCRIPTIVE REMARKS:

(75)
(3)

Turtle
A
"Lalama"

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/23/2010

CAPTURE DATE, LOCATION AND METHOD: 5/1 captive hatched

8/23/12 MOC Release Grand WAILEA HOTEL MAUI

PERSON RECORDING DATA: Nadine Suyama

TUMOR SCORE <input type="checkbox"/> 0	OLD TAGS: L 442D675672	NEW TAGS: RHF LHF
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> 1		
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

TAIL LENGTH: T cm C cm SPECIES:

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

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77
4

Turtle
F
"Lolii"

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/23/2012 2010 SLPC captive hatched

CAPTURE DATE, LOCATION AND METHOD:

8/23/2012 MAUI ocean center Captive Released GRAND WAILEA HOTEL MAUI

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

~

EMACIATION CODE

70

OLD TAGS:

L 470C487A6C

NEW TAGS:

RHF
LHF

MT#

STRAIGHT CARAPACE - LENGTH:

45.2 cm

WIDTH: 35.4 cm

NOTCH LENGTH: cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

47.7 cm

WIDTH: 41.3 cm

HEAD WIDTH: cm

LATERAL1: cm

LATERAL2: cm

PPS: YES OR NO OR NE NO

LATERAL3: cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T 10.5 cm

C 7.5 cm

SPECIES: CM

RIGHT FRONT FLIPPER WIDTH: cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 35.9 cm

WEIGHT: 28.9 #

DESCRIPTIVE REMARKS:

Tough Turtle.

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Turtle B
"Kilakila"

79

5

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/23/12 2010 SLP captive/hatched

CAPTURE DATE, LOCATION AND METHOD:

8/23/2012 MOC captive Release
Grand WAILEA HOTEL

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

✓

EMACIATION CODE

0

OLD TAGS:

L 483A45103B

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

45.4 cm

WIDTH:

36.5 cm

NOTCH LENGTH:

cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

47.8 cm

WIDTH:

41.0 cm

HEAD WIDTH:

cm

LATERAL1:

cm

LATERAL2:

cm

PPS: YES OR NO OR NE

NO

LATERAL3:

cm

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

11.5 cm

C 7.2 cm

SPECIES:

CM

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

35.7 cm

WEIGHT:

29.1 #

DESCRIPTIVE REMARKS:

97

SUMMARY OF MAUNA LANI TURTLE EXAMS JUNE 6, 2009

The quarterly turtle veterinary exams were conducted at the Mauna Lani Resort on June 16, 2009. Six turtles housed in the Honu pond were examined for the July 4, 2009 release. Blood was taken for the CBC and chemistries as part of the screening process. All six turtles appeared in excellent health and the blood results were normal. Their lengths and weights are listed below. All showed increases in length and weight since the last check 5-27-09. (20 days).

Shell #10 (L microchip 639)	53.6 cm	55.9 lb
Shell #F2 (L microchip E27)	44.5 cm	30.7 lb
Shell #F3 (L microchip F44)	40.1 cm	20.9 lb
Shell #F4 (L microchip 23C)	40.8 cm	23.9lb
Shell #M1 (L microchip 641)	38.3 cm	16.0 lb
Shell #M2 (L microchip 136)	32.8 cm	11.1 lb

The remaining eleven turtles in the Atrium pond were also found to be in good health. Some minor biting lesions were noted and were treated with Gentian violet. An increase in the amount of pellets being fed was recommended. The length ranged from 19.8 to 22.7 cm and weights from 2.3 to 4.2 lbs. Some of these turtles will be transferred to the Honu pond after the July 4 release.

Robert A. Morris MS, DVM

Revised 08/21/07

STREET MAUNA LANI

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

Hatched: 2006

90

3 years old

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT

CAPTURE DATE/LOCATION AND METHOD:

7-3-09 MAUNA LANI / MAUNALANI
CPTIVE
PERSON RECORDING DATA: HEIWEI NAKAHARA
PAST MT M2

TUMOR SCORE

0

ORAL TMRS EXT:

YES OR NO

—

EMACIATION CODE

0

MT#

OLD TAGS:

RH470A114963

LH4709752136

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

35.8 cm

WIDTH:

28.8 cm

NOTCH LENGTH:

35.6 cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

37.5 cm

WIDTH:

34.5 cm

HEAD WIDTH:

6.7 cm

LATERAL1:

15.1 cm

LATERAL2:

13.7 cm

PPS: YES OR NO OR NE

NO

LATERAL3:

11.6 cm

SEX: Male, Female or Undetermined

Male

TAIL LENGTH: T

6.5 cm

C

5.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

6.3 cm

PLASTRON LENGTH:

28.8 cm

WEIGHT:

15.0 lbs

DESCRIPTIVE REMARKS:

6 centrals

7/4/09 20th anniversary
Independence
Release off shore day
from Hawaiian Canoe
fresh from blessing Ceremony
from Kameh AKAKAI

tagging.xls

91

2

Hatched: 2006

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3 years old
Turtle previously used in Melemei study

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

Friday 7/3/09 Manna Lani Captive (PAST MT F3)

PERSON RECORDING DATA:

Nick

TUMOR SCORE

0

ORAL TMRS EXT: YES OR NO

1

EMACIATION CODE

0

OLD TAGS:

RH 470 AD 14A18

LH 441456 F44

NEW TAGS:

RHF
LHF

MT#

STRAIGHT CARAPACE - LENGTH:

45.3 cm

WIDTH:

35.2 cm

NOTCH LENGTH:

45.0 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

48.0 cm

WIDTH:

41.0 cm

HEAD WIDTH:

7.4 cm

LATERAL1:

19.4 cm

LATERAL2:

17.0 cm

PPS: YES OR NO OR NE

NO

LATERAL3:

13.7 cm

SEX: Male, Female or Undetermined

Female (via pituitary laparoscopy)

TAIL LENGTH: T

9.0 cm

C

6.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

7.5 cm

PLASTRON LENGTH:

36.9 cm

WEIGHT:

29.1 lbs#

DESCRIPTIVE REMARKS:

173
92

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3
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Marine Turtle Research Program
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Hatched:
2006

3 years old

Turtle previously used in Melekei study

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

SLP

7-3-09 Mauna Lani Captive

PAST MI
F4

PERSON RECORDING DATA: MEIMEI NAKAHARA

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

MT#

OLD TAGS:

LH470CZA223C

RH470B2C4056

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

44.7
~~44.7~~ cm

WIDTH: 36.3 cm

NOTCH LENGTH: 44.1 cm

DB: \emptyset L.O.

VB: \emptyset L.O.

CURVED CARAPACE LENGTH:

47.5 cm

WIDTH: 42.0 cm

HEAD WIDTH: 7.8 cm

LATERAL1: 18.8 cm

LATERAL2: 16.6 cm

PPS: YES OR NO OR NE NO

LATERAL3: 14.0 cm

SEX: Male, Female or Undetermined M

TAIL LENGTH: T 12.0 cm

C 8.5 cm

by prior Laparoscopy

RIGHT FRONT FLIPPER WIDTH:

8.9 cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 36.5 cm

WEIGHT: 30.6 lbs

DESCRIPTIVE REMARKS:

Released
20th Annual Turtle Independence Day

73

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

2008
2009 - DIDNT
come
ed BOY

CAPTURE DATE, LOCATION AND METHOD:

7/3/08
PERSON RECORDING DATA:

TUMOR SCORE	OLD TAGS: 6 ^{3/4} years	NEW TAGS:
ORAL TMRS EXT: YES OR NO	Jacob	RHF
EMACIATION CODE	SON of	LHF
MT#	MLT 12	
	Regulars	

STRAIGHT CARAPACE - LENGTH: cm WIDTH: cm

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

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: 14.8 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: 49.6 # lb

SAMPLES COLLECTED:

DESCRIPTIVE REMARKS:

47 in height
119.5 cm
almost 4'

1 2 1 NR

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

SEA TURTLE TAGGING FORM

Hatched: 2006
2.3 years
OLD

96

Turtle previously used
in MEI study

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-3-09 Mauna Lani Capture

PAST MT
MI

PERSON RECORDING DATA: MEI MEI

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

LH470B571641

RH4413191A05

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

42.7 cm

WIDTH:

33.4 cm

NOTCH LENGTH:

42.4 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

46.0 46.0 cm

WIDTH:

39.5 cm

HEAD WIDTH:

7.3 cm

LATERAL1:

16.9 cm

LATERAL2:

14.9 cm

PPS: YES OR NO OR NE

NO

LATERAL3:

12.4 cm

SEX: Male, Female
or Undetermined

Male

TAIL LENGTH: T

10.5 cm

C

7.0 cm

by prior
CA prosect

RIGHT FRONT FLIPPER WIDTH:

7.1 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

33.2 cm

WEIGHT:

23.4 lbs

DESCRIPTIVE REMARKS:

Released 7/4/09
20th Annual Turtle Independence Day

Revised 08/21/07

(5)
NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, HI 96822-2396

Hatched: 2005
4 years old

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD: SLP

7-3-09 Mauna Lani Captive
PERSON RECORDING DATA: NICK (10) #10

TUMOR SCORE <input type="text" value="0"/>	OLD TAGS: LH 45267 C3639 RH 45241 D2D03	NEW TAGS: RHF LHF
ORAL TMRS EXT: YES OR NO <input type="text" value="-"/>		
EMACIATION CODE <input type="text" value="0"/>		
MT#		

STRAIGHT CARAPACE - LENGTH: cm WIDTH: cm

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

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: cm LATERAL1: cm LATERAL2: cm

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

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: cm

WEIGHT: lbs#

DESCRIPTIVE REMARKS: Released 20th Turtle Independence Day 7/4/09

Revised 08/21/07

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Honolulu, HI 96822-2396

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

7-3-09 Mauna Lani Captive PAST MT FZ
PERSON RECORDING DATA: MEIMEI NAKAHARA

Turtle previously used in Meimei study
Photos with Meimei

Hatched: 2006
3 years old

MT end 7/1

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

LH 470B380E27

RH 470A1F1730

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

49.4 cm

WIDTH:

40.3 cm

NOTCH LENGTH:

49.2 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

53.5 cm

WIDTH:

47.0 cm

HEAD WIDTH:

7.7 cm

LATERAL1:

~~21.9~~ cm

LATERAL2:

18.7 cm

PPS: YES OR NO OR NE

YES

LATERAL3:

15.2 cm

SEX: Male, Female or Undetermined

female

TAIL LENGTH: T

10.5 cm

C

7.5 cm

SAMPLES COLLECTED:

determined
Prior by Laproscopy
(tissue wibbels)

RIGHT FRONT FLIPPER WIDTH:

8.4 cm

PLASTRON LENGTH:

39.7 cm

WEIGHT:

42.0 lbs

DESCRIPTIVE REMARKS:

Released 7/4/09
20th Turtle Independence Day

(99)

Thane/Jenny
set Ratios
SLIP
etc
to
20

2006 Hatch - 3 years old

M's and
F's were
Meimei
study

MALE M1

42.7cm 234 lbs

M2

35.8cm ~~35.8~~ 15.0 lbs

"

~~MALE M2~~

← LAULIMA

Female

F2 (held by Meimei photo)

49.4cm 42 lbs

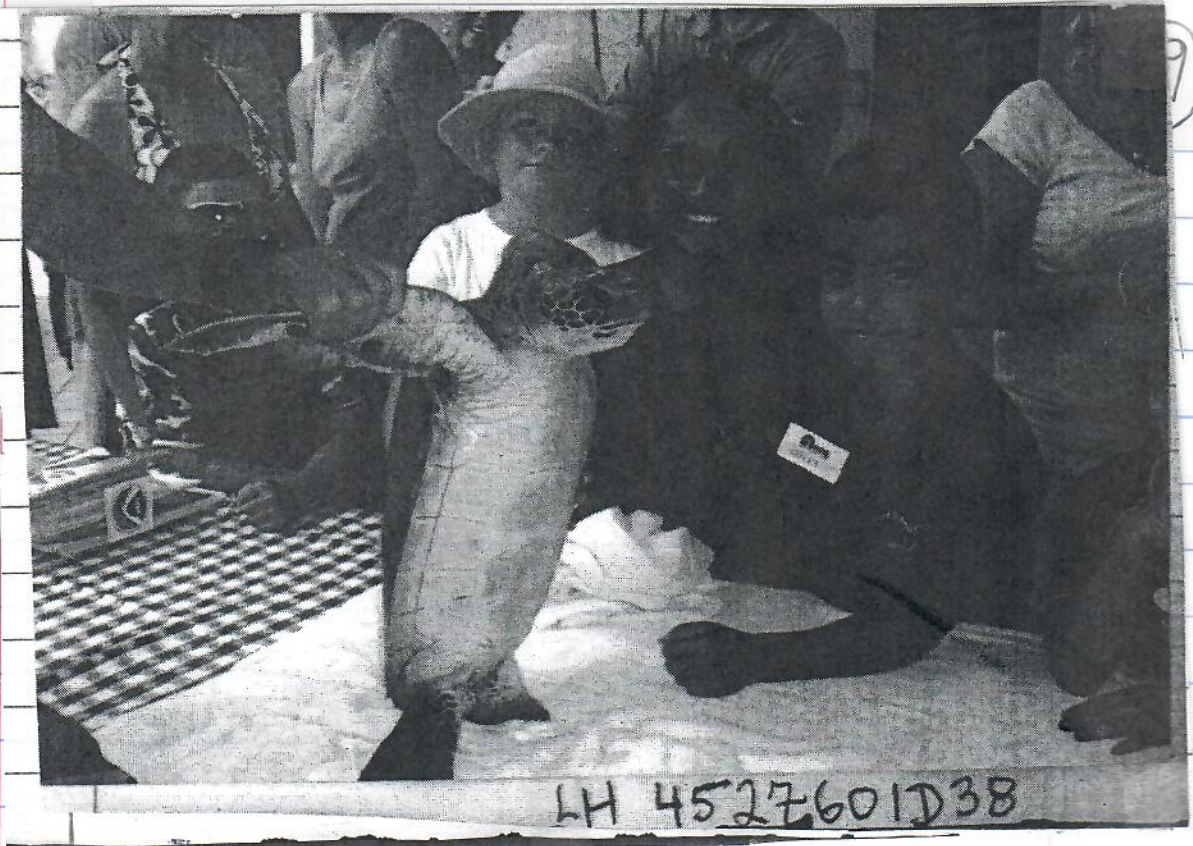
Female

F3

45.3 36.9 lbs

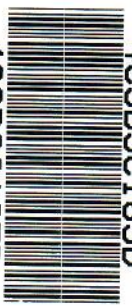
F4

L 44.7 30.6 lbs



452 3607

4C3B3C165D



4C3B3C165D

4C3B3C165D



4C3B3C165D

MAVNA LAVI

WHITE DOT 5th Central

(5)

(4)

7/3/2008

LH 4414633F5A



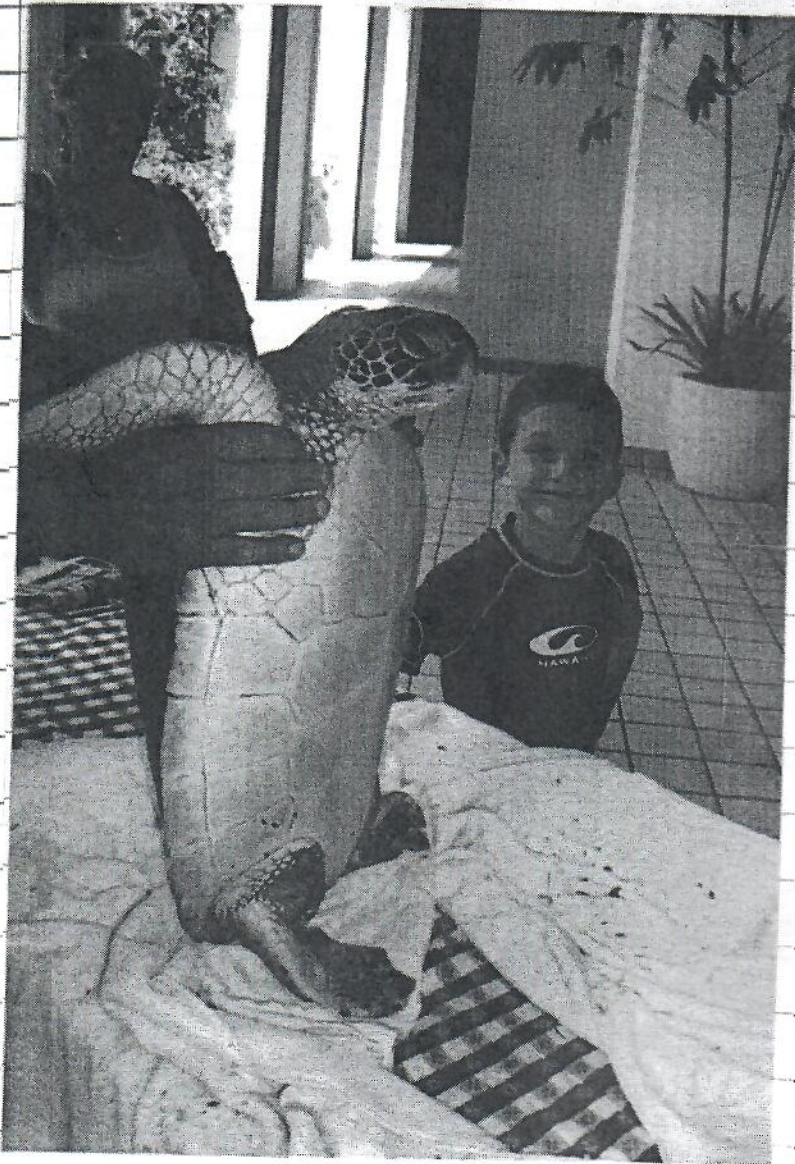
7/3/2008

[↑ MT "05" ↑]

ST 113207
EXP NOV 2016

181

LH 441320181E



3 year old MT "07"

7/3/08

2002. Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation, February 29 - March 4, 2000, Orlando, Florida. NOAA Tech. Memo. NMFS-SEFSC-477:187-189.

ADAPTATION OF CAPTIVE-REARED GREEN TURTLES RELEASED INTO HAWAIIAN COASTAL FORAGING HABITATS, 1990-99

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Green turtles obtained from Hawaiian waters by Sea Life Park on Oahu in the 1960's have nested and produced hatchlings on an artificial beach every year since 1976 (see Bourke et al., 1977). Most of these hatchlings were released into the wild shortly after emergence. However, starting in 1989, a few were retained each year for an educational loan program to facilitate the display of small turtles less than about 40 cm in straight carapace length (SCL) at qualifying aquaria in Hawaii, Canada, and the mainland USA. Steve Kaiser, the program's originator, called this novel outreach the "Hawaiian Sea Turtle Ambassador Program." Steve's rationale, shared by many, was that live sea turtles, especially small ones, are their own best advocates for conservation when viewed up close by the public. The end-point of each carefully conducted loan occurred when the turtles reached the carrying capacity of their display tanks and were certified healthy for release into Hawaiian waters. "Head-starting" has not been the purpose of the program, although at times this aspect has been given inappropriate emphasis by the news media and others. The program's ongoing fundamental goals, currently being accomplished with distinction, are the enhancement of public awareness and conservation education on behalf of sea turtles.

For the past decade, most of the turtles in the Sea Life Park program have been released as part of the July 4th "Turtle Independence Day" celebration at the Mauna Lani Bay Hotel on the South Kohala Coast of the island of Hawaii (20°N, 156°W). This coastline constitutes rich underwater foraging and resting habitats for an abundance of naturally occurring green turtles. Terrestrial basking also takes place along this lava rock shoreline. Investigations of the biology, ecology, and life history of these turtles have been underway since the 1980's by the National Marine Fisheries Service (NMFS), in partnership with the Hawaii Preparatory Academy (Balazs, 1996; Balazs et al., In press; Davis et al., In press; Harrington et al., This volume; Rice et al., This volume). These research activities have provided excellent opportunities to recapture and evaluate turtles originating from Sea Life Park. Since 1993, all turtles released at Mauna Lani have been measured, weighed, and positively identified by NMFS using Inconel flipper tags and PIT tags. Herein we provide a summary of the results of tag recoveries made to date.

RESULTS

From 1990-99, 102 captive-reared green turtles ranging from 25.5 - 68.0 cm SCL (mean - 40.7 cm) were released at the Mauna Lani Bay Hotel (Figure 1). Twelve turtles (11.7%) have been recaptured/resighted from 1-5 times by hand, net or (in one instance) a visual tag reading during in-water research (Figure 2). Elapsed times from initial release to the most recent recapture ranged from 2.3 - 7.3 years. Eight of the 12 turtles were encountered within 5 km of the Mauna Lani Bay Hotel. Three others were recaptured along the coastline 45-80 km to the south at Honokohau (1), and Honaunau (2). Another turtle was recaptured in the major foraging habitat of Kaneohe Bay on Oahu, a distance of 270 km (Figure 3).

Six other turtles (5.9% of 102) were found stranded 0.8 - 2.4 years after release (Figure 2). Two were dead and four were alive. Necropsy of the former revealed that one was severely emaciated, and the other in good body condition with no indication of the cause of death. This turtle stranded 2.4 years after release along green turtle foraging habitat on the island of Lanai, 150 km from Mauna Lani. The four live strandings included three emaciated and/or excessively buoyant turtles, and one with a severe propeller injury to the carapace. This latter turtle also had two small fishing hooks externally and one internally as revealed by x-ray. All four live strandings required

considerable veterinary treatment and captive rehabilitation by NMFS before being released a second time.

As shown in Figure 4, the SCL growth rates of the 11 turtles recaptured and remeasured during in-water research ranged from 0.7 - 3.2 cm/yr (mean = 2.1 cm/yr). The Kaneohe Bay recapture displayed the most rapid rate of growth (3.2 cm/yr). A small fibropapilloma was recorded on the eye of this turtle. Growth rates for the 11 turtles compare favorably and are consistent with data obtained over the past 25 years for naturally occurring green turtles in a wide array of foraging habitats throughout the Hawaiian Islands. However, three of the 11 turtles are known to have been fed pelleted fish food and lettuce by tourists and others during their post-release residency near the Mauna Lani Bay Hotel. The growth rates of the six stranded turtles ranged from only 0.5 - 0.9 cm/yr (mean = 0.6 cm/yr). These data suggest the failure of the turtles to adapt to the wild and thrive.

CONCLUSION

Nine of the 18 captive-reared turtles encountered have successfully adapted to natural Hawaiian marine habitats. The other nine did not adapt (6 stranded and 3 being fed in the wild). Eighty-four turtles have thus far not been seen again. The two PIT tags used to identify each animal should help ensure longer term recognition if or when the turtles are recaptured during coming years or decades.

LITERATURE CITED

Balazs, G. H. 1996. Behavioral changes within the recovering Hawaiian green turtle population. In J. A. Keinath, D. E. Barnard, J. A. Musick, and B. A. Bell (comps.), Proceedings of the Fifteenth Annual Symposium on Sea Turtle Biology and Conservation, February 20-25, 1995, Hilton Head, South Carolina, p. 16-21. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-387.

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Rice, M. R., D. K. Kopra, G. H. Balazs, and C. G. Whittow. This volume. Ecology and behavior of green turtles basking at Kiholo Bay, Hawaii. Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation, February 29-March 4, 2000, Orlando, Florida.

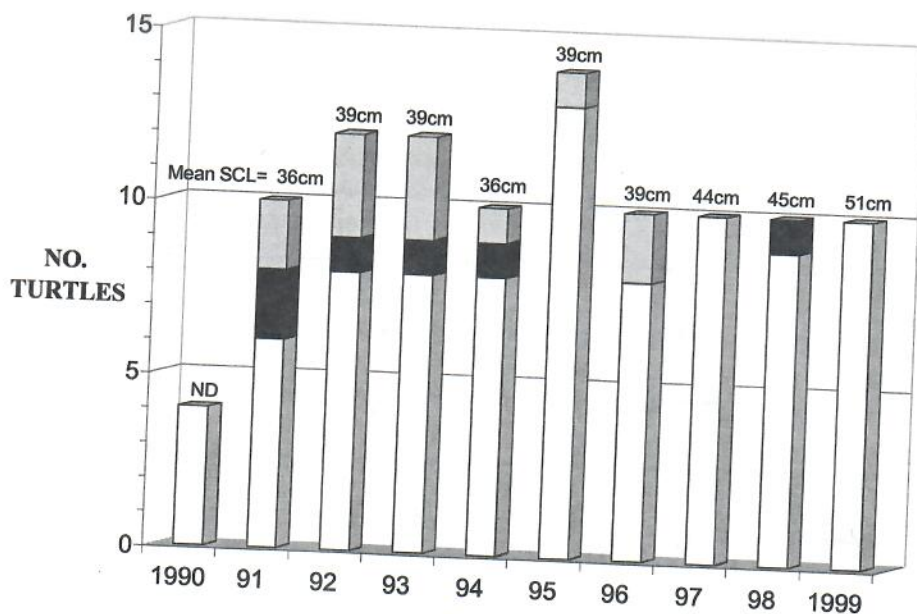
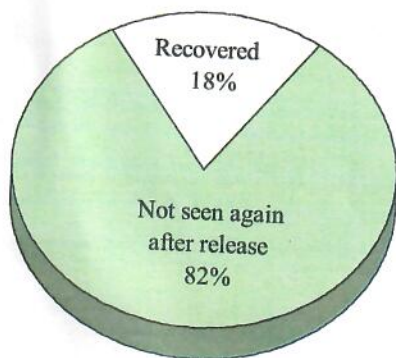
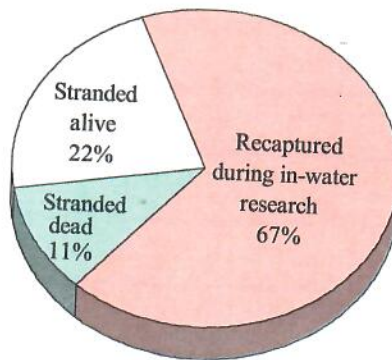


Figure 1. Captive-reared green turtles released annually at the Mauna Lani Bay Hotel. Gray indicates the number recaptured in each year-class during in-water research. Black indicates the number stranded.

Figure 2. HAWAIIAN GREEN TURTLES: OUTCOME OF A DECADE OF CAPTIVE-REARING AND RELEASE FOR EDUCATIONAL DISPLAY



Outcome of green turtles released into the wild at the Mauna Lani Bay Hotel
N = 102



Circumstances of recoveries
N = 18

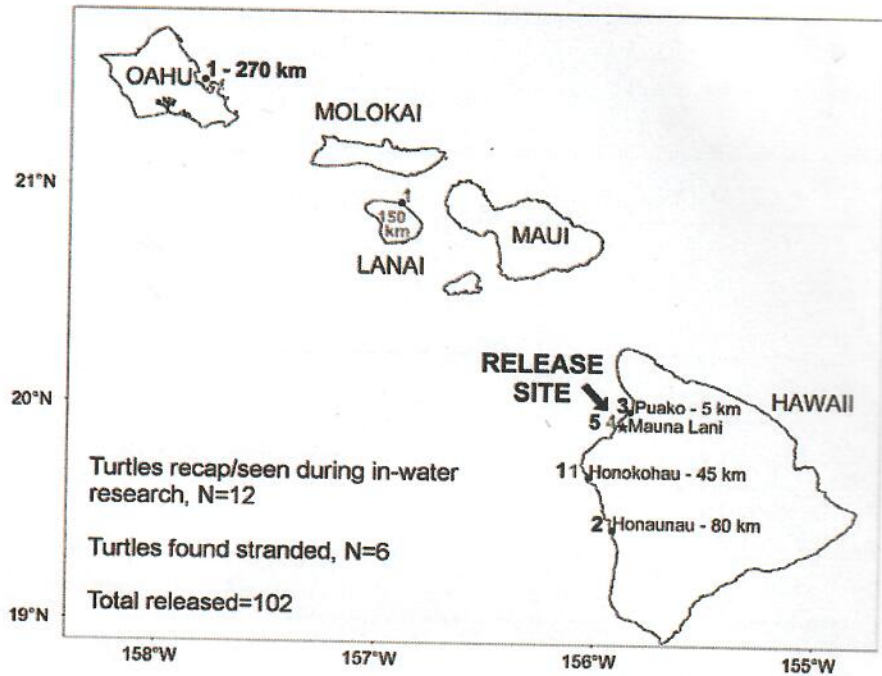


Figure 3: The main Hawaiian Islands. Recapture locations and distances from the Mauna Lani release site.

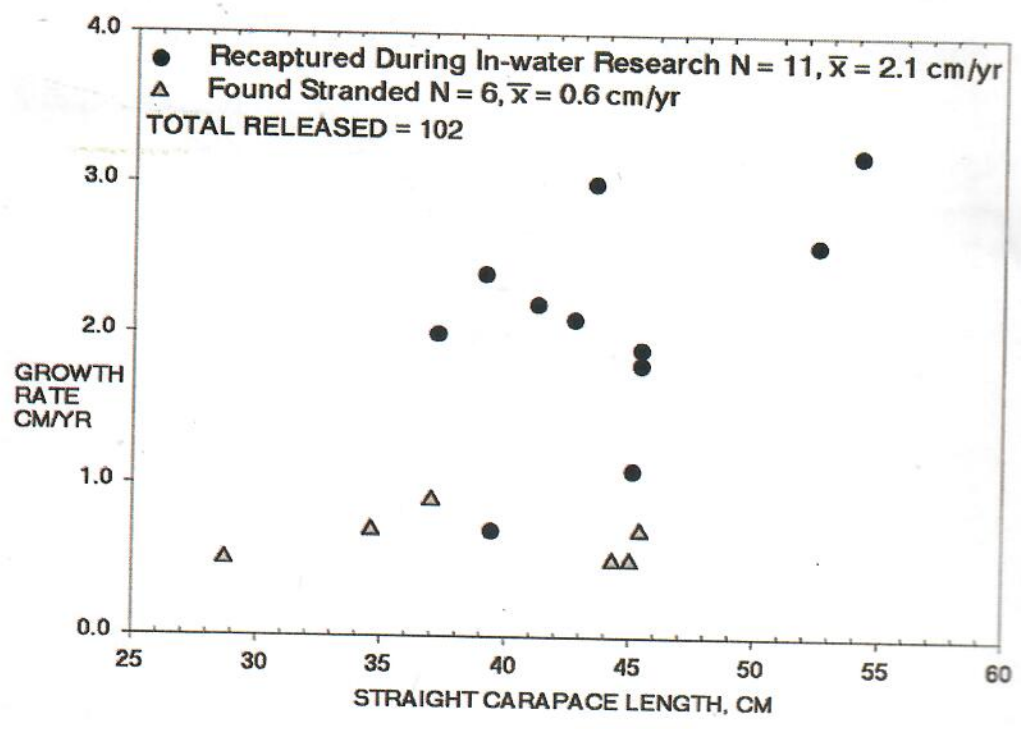


Figure 4. Growth rates in the wild of recaptured turtles released at Mauna Lani.

2010 TID 21

187



2010 TIDZ1

189



2D10 T1D21

(91)



2010 TID 21

(193)



TID 21 2010

195



TIP21 2010

197



200

2008



MAUNALANI
ELIZABETH
JIM

2008