

G. H. BALAZS

Richard D. Farland
791-811

mead LANAI
COMPOSITION
LANAI 2005-
12-19 OCTOBER 05 N=61 2006

OFFICIAL 100 sheets • 200 pages
9¾ x 7½ in / 24.7 x 19.0 cm
wide ruled • 09918

26-31 MARCH 06 N=30
286-2899
GEORGE BALAZS

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3 of 3



26

BALAZS
Marine Turtle Research
NOAA NMFS PIFSC
2570 Dole Street
Honolulu, Hawaii 96822

① Thursday
STARTWORK DAY

SEA TURTLE TAGGING FORM

LANAI

DATE FORM FILLED OUT 3 30 106

CAPTURE DATE, LOCATION AND METHOD:

White Rock

3/30/06 Thursday BASKING on

PERSON RECORDING DATA: Coral Head

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

NEW TAGS:

RFI 46071D7365

LFI 

460209444D



11842 (LH)

STRAIGHT CARAPACE - LENGTH: 70.0 cm

WIDTH: 54.3 cm

NOTCH LENGTH: 69.5 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH: 76.5 cm

WIDTH: 68.0 cm

HEAD WIDTH: 10.4 cm

AXIAL: 29.6 cm

LATERAL: 29.5 cm

PPS: YES OR NO OR NE N

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T 15.0 cm

C 9.5 cm

RIGHT FRONT FLIPPER WIDTH: 11.7 cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 55.5 cm

2 biopsies
1-DNA
1-Jason (RH)

WEIGHT: 110 #

Flavored for Karla

DESCRIPTIVE REMARKS:

Amancia in mouth

27
FIGURE
2

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/30/06

LANA'I

CAPTURE DATE, LOCATION AND METHOD:

White Rock

Basking on
Coral HEAD

PERSON RECORDING DATA:

SK

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

NEW TAGS:

RFL



46016D5E28

LFL



4602540D13

11843 (LH)

STRAIGHT CARAPACE - LENGTH:

67.1 cm

WIDTH: 51.8 cm

NOTCH LENGTH: 46.8 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

72.0 cm

WIDTH: 66.1 cm

HEAD WIDTH: 10.0 cm

AXIAL: 28.2 cm

LATERAL: 28.4 cm

PPS: YES OR NO OR NE

Y

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T 116.5 cm

C 11.0 cm

RIGHT FRONT FLIPPER WIDTH:

11.7 cm

SAMPLES COLLECTED:

2 biopsies

PLASTRON LENGTH: 55.4 cm

1-DNA
1-Jason (RH)

WEIGHT: 100 #

labeled for Karla

DESCRIPTIVE REMARKS:

--

RH claw missing and healed.

78 / 3

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/30/06

LANAHI

CAPTURE DATE, LOCATION AND METHOD:

White Rock Basking on
Cora HEMP

PERSON RECORDING DATA: SK

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

OLD TAGS:
~~R-928~~ R-928
R-927

NEW TAGS:
RFL 4607385464
LFL 4601690C17
11844 (LH)

STRAIGHT CARAPACE - LENGTH: 18.3 cm WIDTH: 52.6 cm

NOTCH LENGTH: 67.0 cm DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 73.5 cm WIDTH: 69.5 cm

HEAD WIDTH: 10.9 cm AXIAL: 31.3 cm LATERAL: 31.5 cm

PPS: YES OR NO OR NE 4 SEX: Male, Female or Undetermined U

TAIL LENGTH: T 16.5 cm C 10.5 cm

RIGHT FRONT FLIPPER WIDTH: 12.2 cm

PLASTRON LENGTH: 57.6 cm

WEIGHT: 110 #

DESCRIPTIVE REMARKS:

Posterior "potatoes" in both eyes.

Orig: 6/1/93 Curved 47.0
- LH appears to have tag loss
- Distorted notch

Send Algae guide to students +

Point at straw net box

29

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD: Thursday LANA

3/30/06 Federation Camp

SCOOP NET

TUMOR SCORE
 0
ORAL TMRS EXT:
YES OR NO
 -
EMACIATION CODE
 0

OLD TAGS:
11924 (LH)
4413247-DUG (LH)
4413267567 (RH)

NEW TAGS:
RFL
LFL

STRAIGHT CARAPACE - LENGTH: 56.6 cm WIDTH: 42.7 cm

NOTCH LENGTH: 56.4 cm DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 62.0 cm WIDTH: 52.0 cm

HEAD WIDTH: - cm AXIAL: 23.0 cm LATERAL: 22.5 cm

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

TAIL LENGTH: T ~~13.0~~ cm C 9.5 cm

RIGHT FRONT FLIPPER WIDTH: - cm SAMPLES COLLECTED: 1. Biopsy - JASON

PLASTRON LENGTH: 46.6 cm

WEIGHT: 59 #

DESCRIPTIVE REMARKS:

Small Red ALGAE
Food in mouth.

N=30
END LANA
3-26-06
3-31-06

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

LANA 1

CAPTURE DATE, LOCATION AND METHOD:

3/30/06 Fed. Camp Scoop Net
PERSON RECORDING DATA: ARSUN C.

TUMOR SCORE
 0
ORAL TMRS EXT:
YES OR NO
 -
EMACIATION CODE
 0

OLD TAGS:
[Diagonal line through box]

NEW TAGS:
4H 11845 metal
LH 46073E6E00
RH 46077E265E

STRAIGHT CARAPACE - LENGTH: 55.2 cm WIDTH: 42.4 cm

NOTCH LENGTH: 55.1 cm DB: 0 L.O. VB: 0 L.O.

CURVED CARAPACE LENGTH: 59.5 cm WIDTH: 52.5 cm

HEAD WIDTH: [] cm AXIAL: 22.3 cm LATERAL: 21.5 cm

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

TAIL LENGTH: T 12.5 cm C 9 cm

RIGHT FRONT FLIPPER WIDTH: [] cm
PLASTRON LENGTH: 44.8 cm
WEIGHT: 55 #
DESCRIPTIVE REMARKS: []

Food in mouth: Acanthophera + ?

2 Biopsies: 1 DNA, 1 Jison
↳ both from RH
Extra small scale midline of plastron.

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Honolulu, Hawaii 96822

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

[Empty box for capture date, location and method]

PERSON RECORDING DATA:

TUMOR SCORE

[Empty box for tumor score]

ORAL TMRS EXT:
YES OR NO

[Empty box for oral tumor score]

EMACIATION CODE

[Empty box for emaciation code]

OLD TAGS:

[Empty box for old tags]

NEW TAGS:

RFL

LFL

[Empty box for new tags]

STRAIGHT CARAPACE - LENGTH:

[Empty box for straight carapace length] cm

WIDTH:

[Empty box for width] cm

NOTCH LENGTH:

[Empty box for notch length] cm

DB:

[Empty box for DB] L.O.

VB:

[Empty box for VB] L.O.

CURVED CARAPACE LENGTH:

[Empty box for curved carapace length] cm

WIDTH:

[Empty box for width] cm

HEAD WIDTH:

[Empty box for head width] cm

AXIAL:

[Empty box for axial] cm

LATERAL:

[Empty box for lateral] cm

PPS: YES OR NO OR NE

[Empty box for PPS]

SEX: Male, Female
or Undetermined

[Empty box for sex]

TAIL LENGTH: T

[Empty box for tail length T] cm

C

[Empty box for tail length C] cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

[Empty box for right front flipper width] cm

PLASTRON LENGTH:

[Empty box for plastron length] cm

WEIGHT:

[Empty box for weight] #

DESCRIPTIVE REMARKS:

[Empty box for descriptive remarks]

651-755

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6350

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2 half baths.*

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cable TV, complete kitchen facilities,
and washer/dryer.*

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e-mail: mcomber@aloha.net

Tag information:

Tag Number	Date	Tag Type	Tag Position
11754	9/18/2002	I681	LHF
1A00	11/10/2004	I681	LFL
1A01	11/10/2004	I681	RFL
4135126E5C	9/18/2002	PIT	RHF
41360D6F28	9/18/2002	PIT	LHF

11-10-04 Recovery

Date	Type of Encounter	Location:	Tumor Rank:	Nesting Act:	Curved Carapac	Month
9/18/2002	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	75.0	---
2/20/2004	Near Shore	Lanai, Poiwa (Federation Camp)-Bask	0	-	76.2	17.0
11/10/2004	Near Shore	Lanai, Kaiolohia	0	-	78.0	8.0

24 Recovery

Growth-Rates		Interval		Overall	
cm/mo	cm/yr	Month	Year	cm/mo	cm/yr
---	---	---	---	---	---
0.1	0.9	17.0	1.4	0.1	0.9
0.2	2.6	25.0	2.1	0.1	1.4

Date: Tue, 18 Feb 2003 22:26:42 -0800 (PST)
From: CHERYL KING <shezking@yahoo.com>
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Pele, Polihua & 'ea

George,

Thanks for sending out the Mauna Lani honu progress- quite exciting! I still wonder what ever happened to those MOC honu we released last year...

I have attached a copy of a chant that I received from Kalei Tsucha, from the Kaho'olawe Island Reserve Commission. I had never heard the story before, and found it extremely interesting! I mentioned it to Steve Williams (the coordinator for Maui Dawn Patrol) and we agreed that it would be a good thing to share with all of the volunteers. I was wondering if you know any more details about it (and especially if you've heard any other interpretations that may differ...).

We inquired about the specifics of the turtle being a hawksbill in the chant, thinking it should have been a Hawaiian Monk Seal. Kalei answered, "Hawksbill. Yes it is. Yes it is. Who ever typed it didn't feel the 'okina was necessary because the kupuna was a manaleo."

I also want to mention the story about Polihua (lit. translation is "eggs [in] bosom") since it's in the chant. I'm thinking I should quote Martha Beckwith's "Hawaiian Mythology": "At cape Kaena a stone which he [Aiai, instructed to mark important fishing grounds by his father, the fishing god Ku'ulakai] has marked turns into a turtle and this is how turtles came to Hawaiian waters and why they come to the beach to lay their eggs, and this is the reason for the name Polihua for the beach near Paomai [Lana'il]. Again, is there anything you want to add?"

I'm back at school here in Florida until July. The nesters will be arriving soon (well, a couple of months anyway), so I'm looking forward to that! I hope all is going well for you in Hawai'i.

Aloha,
Cheryl King

PS~ I was wondering about the turtle nest in Hilo. Did the incubated eggs ever hatch??

A Nana'I Kaulahea

A Nana'i Kaulahea
A Maunalei kui ka lei
Lei Pele ika ie ie la

Wahinu po'o o Hi'iaka
Holapu ili o Haumea
Ua ono o Pele i kana i'a

O ka honu o Polihua
Honu iki a-i no'u no'u
Kua papa'i oka moana
Ka ea nui, kua wawaka

Ho'olike ika ai na Pele
Ina oaoaka oaka ika lani la

Eli eli Kau mai

He inoa no Hi'iaka ika Poli o Pele

Now to Nana'i of Kaulahea
At Maunalei Pele plaits a wreath
She plaits it of ie ie

Hi'iaka pelts head with ginger
Haumea anoints her body
And Pele eats with zest the flesh

From the turtle of Polihua (LANAI)
A young thing short in the neck
Backed like the crab of the sea
A sea turtle plated and patterned

Turned into meat for Pele
Food for the heavenly flame

Wonder and awe possess me

"That chant was given to me by my father's eldest cousin who was a kumu hula on Lana'i for many years. She came to Maui to do a workshop about the story and to teach us the hula that goes with the chant. I cannot cite the source of the story as I am not from Lana'i. If memory serves me correctly it was a story told to the people of Lana'i by an elder who was this kumu hula's mother. The story is as follows:

Pele's favorite food was 'ea. Pele was known to eat 'ea greedily and would sometimes crave for it too. Pele once traveled to Moloka'i to see her sister Kapo'ulakina'u. On her departure, she met up with some bad mo'o (lizard) and a battle began. They fought for many days and nights and Pele never stopped to eat or rest. She finally fought each one to their deaths and left Moloka'i extremely exhausted, bleeding and near death. While passing Lana'i she passed an area named Polihua and stopped to rest. She was so tired that she slept on the beach for many days. A short-necked hawkbill turtle came and even though she knew that Pele would probably eat her, nursed Pele back to health anyway by feeding her the eggs she layed on the beach at night and sheltering Pele from the hot sun by day with her shadow from her large shell. When Pele was healed she was so grateful that she told the short-necked 'ea that she wouldn't eat 'ea anymore and that she would place a kapu on eating 'ea.

That's all I know."

Kelei Tsuha

Kaho'olawe Island Reserve Commission

Turtles?

STILL ACTIVE AT 100



Venus Gay Holt celebrated her 100th birthday today by working as a volunteer at Central Union Church's annual plant and yard sale. Born on Lanai in 1905, her secret to longevity is to "be good and be useful."

CRAIG T. KOJIMA / CKOJIMA@STARBULLETIN.COM

HAWAII A19

[POLICE / FIRE]



COURTESY PHOTO VIA KITV4

Lanai resident Robert "Bobby" Amaral, who suffers from dementia, has been missing since Friday.

NEIGHBOR ISLANDS

Search for missing 77-year-old to resume

HONOLULU STAR-BULLETIN / SUNDAY, JULY 31, 2005

More than 100 concerned residents joined police and firefighters yesterday in the search for a 77-year-old Lanai City man, who went missing early Friday.

Robert "Bobby" Amaral suffers from dementia. Police said he was last seen about 5:45 a.m. Friday in Lanai City, wearing a light-blue T-shirt, dark blue-gray plaid pajama pants, off-white running shoes and a blue cap.

Amaral apparently wandered off from his home, where he lives with family, a Lanai police lieutenant said. Amaral has been lost before and found.

Yesterday, searchers scoured sites across Lanai, but as of last night had not found Amaral. The search will resume at first light today and volunteers are again expected to come out in force.

In addition to police and firefighters, the Hawaii National Guard and state Department of Land and Natural Resources participated in yesterday's search.

Anyone with information on Amaral's whereabouts can call Lanai police at 244-6496.

January 7, 2005

George Balaz
NMFS

2570 Dole St.

Honolulu, HI 96822-2396

ph: 983-5733 fax: 983-2902

Turtle Tag Info:

Left front	Right front	Species	Date/Time	Location	Activity/Remarks	CCL
1A02	1A03	CM	12-30-04/1030	Kalakala, Lanai	Resting on beach,	72 cm

Happy New Year!


Albert Morita

DOCARE, Lanai

POB 630001

Lanai, HI 96763

ph: 565-7916 fax: 565-7917

December 8, 2004

George Balazs

NMFS

2570 Dole St.

Honolulu, HI 96822-2396

ph: 983-5733 fax: 983-2902

Turtle Tag Info:

Left front	Right front	Species	Date/Time	Location	Activity/Remarks	OCL
1A00	1A01	CM	11-10-04/1430	Kaiolohia, Lanai	Resting on beach, previous tag 11754 is intact on <u>left rear</u> flipper	78 cm

Aloha,

Albert Morita
Albert Morita
DOCARE, Lanai
POB 630001
Lanai, HI 96763

ph: 565-7916 fax: 565-7917

Date: Mon, 23 Feb 2004 06:43:35 -1000
From: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: Tag 11754 resight on Lanai 2/20/04 turtle recovery (fwd)

Caught only once on 9-18-02 at Federation Camp with a Tangle Net.
SCI=71.0cm, CCL=75.0, weight=119.0#, and no tumors.

On Sat, 21 Feb 2004, George H. Balazs wrote:

> Shawn please look this one up when you come in on Monday-- Interesting-
> not that many records of the turtles over there basking on the Beach. On
> coral head tops way out- Yes, but not on the sand beach.

> ----- Forwarded message -----

> Date: Sat, 21 Feb 2004 04:11:01 -1000

> From: coelho@wave.hicv.net

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

> Subject: turtle recovery

> George,

> On 2-20-04, at 1410 hours, I caught a turtle with tag # 11754 at Poaiwa
(Federation Camp), Lanai. Curved carapace length was 30 inches. The turtle was
clean and healthy and was basking on the beach when I saw it.

December 19, 2003

George Balazs
NMFS
2570 Dole St.
Honolulu, HI 96822-2396

Turtle Tag Information:

Left front	Right front	Species	Date/Time	Location	Activity/Remarks	CCL
V-420	V-421	CM	12-17-03/1500	Nahoku, Lanai	Resting on beach	75 cm
V-422	V-423	CM	12-18-03/1330	Nahoku, Lanai	Resting on beach	65 cm
V-424	V-425	CM	12-18-03/1715	Hauola, Lanai	Resting on beach	69 cm

I'm out of tags, please send more if you want me to continue tagging. Any plans for a future Lanai expedition?
Happy Holidays!

Albert Morita
DOCARE, Lanai
POB 630001
Lanai, HI 96763

June 24, 2002

George Balazs
NMFS
2570 Dole St.
Honolulu, HI 96822-2396

Turtle Tag Info:

Left front	Right front	Species	Date/Time	Location	Activity/Remarks	CCL
V-413	V-412	CM	4-3-03/1045	Keomoku, Lanai	Caught in cargo net on reef	59 cm
V-414	V-415	CM	6-23-02/1415	Nahoku, Lanai	Resting on beach	70 cm
V-416	V-417	CM	6-23-02/1435	Nahoku, Lanai	Resting on beach	69 cm

I have 8 tags left, V-418 to V-425.

Aloha,

Albert Morita
Albert Morita
DOCARE, Lanai
POB 630001
Lanai, HI 96763

SATURDAY | October 1, 2005

HAWAII

THA
Lānaʻi launches housing project

Castle & Cooke Resorts broke ground yesterday on a housing project on Lānaʻi for low- and moderate-income buyers.

The Courts will have 38 one-bedroom units and 10 two-bedroom units in 11 two-story walk-up buildings. The units are targeted at families earning at or below 60 percent of Maui County's median income. The Courts housing is scheduled to be completed in November 2007.

The project is part of Castle & Cooke's long-term commitment to create a sustainable community for residents of Lānaʻi, which is 98 percent owned by David Murdock, owner and president of Castle & Cooke Resorts.

Original

Department of Land and Natural Resources
Division of Conservation and Resources Enforcement

Wailuku, Maui, Hawaii

Turtle Report

Reporting Party: Albert Morita

Address: POB 630884, Lanai City, HI 96763

Phone: (H) _____ (B) 565-7916

Date/Time: 5-18-03/1755 (On scene)

Location: Forest Northeast of Lanai City. Description: green turtle
64 cm ct (approximate length/width)

Weight (approx.): _____ Injury: NO Tumors: yes no

Death: Shark Gill net Unknown Other Live

Identification Tag none (recover tag)

DISPOSAL: Turned over to Aquatics _____ Date/Time

County Land Fill _____ Date/Time

Buried at Scene _____ Date/Time

returned to Ocean: Alive or Dead (circle one)

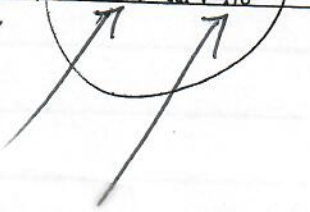
Maunalei, Lanai 5-18-03/ 1900 Date/Time

Comments:

Green turtle found by citizens walking their dogs along access road to well 8, northeast of Lanai City. Turtle was in a mesh bag and partially covered by a piece of 30"x30" plywood. Responsible person(s) unknown at this time.

Turtle tagged and released: LF V-419 RH V-418

Locations =



Albert Morita
Officer Signature

Office only

Copy to: Aquatics
 NMFS
 Other

*LANAI
Reduce*

Send TO LANAI Book

(119)

8-22-08

TO LANAI - Island Air -

Friday

Depart - 8:40 AM, 30 min

TO EXCAVATE nest Polihua. Worked at airport for 1 hour - picked up by Mike ~ 10:30 A.M. Hamburgers at Blue GINGER.

DRIVE TO POLIHUA RE Nesting reported Tracks/dig June 2008.

- 6 Test Towers recently installed on island - for wind speed etc.


- Tom McQueen recent back surgery. 1 - eighth grade

- Diane's daughters go to Hanalei - 1 - Senior

- Mike's son - 8th grade to Hanalei school

Dirt road to Polihua quite good.

Parked at end point by silt wash and white sand. Walked to the left

then over two rocky projection areas = to second sand cove. Hole and mound apparent. Dug trench  trough AT START OF COVE.

mound. Lots of sand shingle - dry. Dug for 45-60 min. This layer of moist silt deep in sand. Close to giving up when egg shells found shallow and very close to Body Pit hole.

Further excavation revealed very few hatched shells, lots of unhatched and young embryos, and a few hatched developed hatchlings, possibly none emerged. All saved in plastic bags. Possible high heat, low moisture mortality.

CONTINUED 2072 GPS = 8 0.17 0.0017

(121)

8/22/08
LANAI
FRIDAY

Scouted the eye-estimated
200^{meters} wide (Kohinoor) rocks.

Blacks of plastic wind break
makeshift in middle. Campfire evidence
at several places. Tent to come to a
tree partly shaded area with sand
nearby. Nowhere else in cave is like
this. At berg at midpoint of cave

WIND
WORN

there is the hint of a body pit
and mound. Possible. In the first
of the two caves and (more probable)
body pit and mound (~~with~~ wind worn).
25¢ piece on mound (odd). Neither of
these were attempted to be excavated
(no time, no energy!).

Departed Lohilua about 3:30 pm.

Date: Sat, 23 Aug 2008 13:41:54 -1000 (HST)
From: George H. Balazs <gbalazs@honolab.nmfs.hawaii.edu>
To: Glynnis Nakai <glynnis.nakai@fws.gov>, Cheryl King <shezking@yahoo.com>, Skippy Hau <Skippy.Hau@hawaii.gov>
Cc: Mike Coelho <Michael.Coelho@hawaii.gov>, Irene Nurzia-Humburg <irene.nurzia-humburg@noaa.gov>, Lanet Ambrigo <lanetabrigo@yahoo.com>, Shawn Murakawa <shawn.murakawa@noaa.gov>, Russell Sparks <russell.t.sparks@hawaii.gov>, Stacy Hargrove <Stacy.Hargrove@noaa.gov>, Marc Rice- HPA <mrice@hpa.edu>, Emily Carlson <Emily.Carlson@noaa.gov>, Donna Brown <donnabro@hawaii.edu>
Subject: Polihua Lanai nest excavation 8/22/08

Friends and Colleagues- Yesterday Friday 8/22/08 I traveled to Lanai to follow-up on the apparent nesting at Polihua Lanai reported to Lanet (Maui turtle stranding line) on June 3, 2008. Mike Coelho (DOCARE Lanai) and I found the egg-nest after digging (taking turns) using a shovel. The 'find' came just as we were about ready to give up. The eggs were far closer to the body pit, and shallower, than I ever recall seeing before.

The nesting was indeed by a green turtle. There was a high level of late-stage embryo mortality shown in the egg remains. I'm not sure any hatchlings got out of the nest, but will go through the rotting remains later today when I get into my lab. A follow-up email report will be sent next week.

Of course there is ample tissue for DNA analysis. And considering this is the first physical evidence of green turtle (any turtle) nesting at Polihua in modern times, the results will be important. Might the turtle be a surviving ancestor of the green turtles that Hawaiian history tells us used to nest at Polihua? And indeed was the legendary start of all turtles in the Hawaiian Islands. Might the maternal (mtDNA) genetics of this turtle be different from the haplotypes now normally found throughout all the Hawaiian Islands (as per Dutton et al. 2008 genetics paper I recently sent to you)?

Lots of fascinating and heavy questions that we'll do our best to get answers to as soon as possible. Best Regards, George

PS Sincerest of thanks to Mike Coelho for cordially hosting me on a Lanai, driving down to Polihua, and sharing in the digging.

August 16, 2006

George Balaz
NMFS
2570 Dole St.

Honolulu, HI 96822-2396

ph: 983-5733 fax: 983-2902

Turtle Tagging Info:

Tag #/location	Tag #/location	Species	Date/Time	Location	Activity/Remarks	CCL
1A06/Left rear	1A07/Right rear	CM	8-12-06/1300	Waikapuaa, Lanai	Entangled in drift cargo netting on reef	56 cm
1A08/Left front	1A09/Right front	CM	8-16-06/1820	Laehi, Lanai	Resting on beach	69 cm

A. Morita
Albert Morita
DOCARE, Lanai
POB 630001
Lanai, HI 96763

ph: 565-7916 fax: 565-7917

*LANAI
book*

LANAI

Date: Fri, 17 Mar 2006 13:03:20 -1000
From: Karla McDermid <mcdermid@hawaii.edu>
To: George H. Balazs <gbalazs@honolab.nmfs.hawaii.edu>
Subject: Lanai Update

Dear George,
We had a productive seaweed team meeting yesterday. The students and Jason should be sending you info about themselves ASAP.

Here are team members and their Lanai schedules:
Dr. Karla McDermid Sunday, March 26-Tuesday, March 28
Chelsie Settlemier Sunday, 3/26 to Friday, 3/31
Joshua Valdez Sunday, 3/26 to Friday, 3/31
Katie Wilks Sunday, 3/26 to Friday, 3/31
Dr. Jason Turner Tuesday, 3/28 to Friday 3/31

Karla

THIRRY-
Cancelp

ARRIVE 3/26 Sunday

3:20pm
sample collection

Depart 3/28 Tues

7:10pm

Date: Tue, 15 May 2007 09:08:38 -1000
From: Michael.Coelho@hawaii.gov
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: tagged turtle

George,

Sorry, I didn't get this to you sooner.

I tagged this turtle on 4-13-07, at about 1700 hours, at Lae Hi, Lanai. It was on the shore when I caught it. No other tags were on it so I tagged it with # 1A10 on the left front flipper and # 1A12 on the right. The curved length was 71 cm.

TRAILS OF LANĀ'I

KAUNOLŪ TRAIL, D2

This self-guided trail on the south coast of the island will lead you past the ruins of an ancient Hawaiian fishing village.

KEAHIKAWELO (GARDEN OF THE GODS), B2

You'll need a four-wheel drive vehicle for the dirt road that leads to these unique rock formations.

MUNRO TRAIL, C3

The views from this bumpy dirt road are worth the trip. On a clear day, you can see five other Hawaiian Islands from the summit of Lāna'ihale.

POLIHUA TRAIL, A1

This trail will take you to Polihua Beach. Located at the end of Polihua Road, it is accessible by four-wheel drive vehicles only.

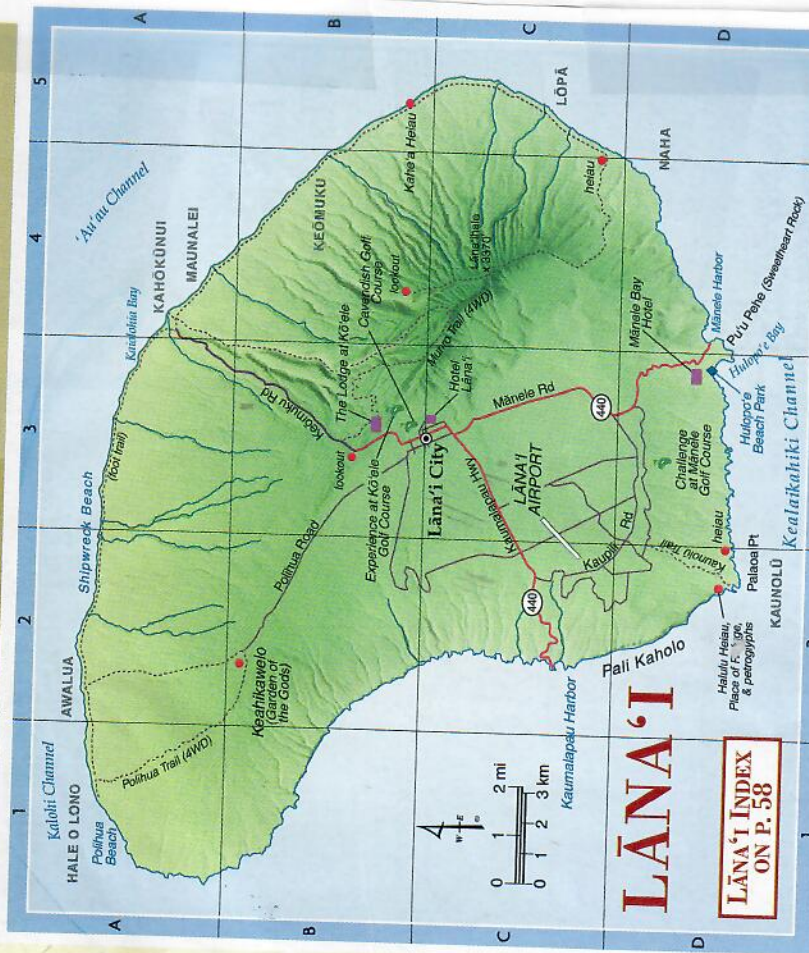
SHIPWRECK BEACH, A2

Hike down to Shipwreck Beach where the rusting hull of a World War II ship sits offshore.

GETTING AROUND

Driving times from Lāna'i Airport to:

Lāna'i City: 10 minutes
 Mānele Bay: 25 minutes
 Shipwreck Beach: 40 minutes



LĀNA'I

LĀNA'I INDEX
ON P. 58

LĀNA'I 41

MULTIPLICATION TABLE

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

CONVERSION TABLE

LENGTH

1 meter (m) = 100 cm = 1,000 mm
1 millimeter (mm) = .001 m
1 centimeter (cm) = .01 m
1 decimeter (dm) = .1 m
1 decameter (dkm) = 10 m
1 hectometer (hm) = 100 m
1 kilometer (km) = 1,000 m

CAPACITY

1 liter (l) = 100 cl = 1,000 ml
1 milliliter (ml) = .001 l
1 centiliter (cl) = .01 l
1 deciliter (dl) = .1 l
1 decaliter (dkl) = 10 l
1 hectoliter (hl) = 100 l
1 kiloliter (kl) = 1,000 l

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

GRAMMAR RULES

- There are eight parts of speech:

- NOUN** - the name of a person, place or thing
- VERB** - an action word
- ADJECTIVE** - describes a noun or pronoun
- ADVERB** - describes a verb, adjective or another adverb
- PRONOUN** - substitutes for a noun
- PREPOSITION** - connects a noun to another part of the sentence
- CONJUNCTION** - connects words or ideas
- INTERJECTION** - an exclamation

- Some verbs need helpers.

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

- Its is possessive. It's means "it is" or "it has".
Your is possessive. You're means "you are".

- Which word do I use?

Lay or Lie?

To "lay" is to place an object. To "lie" is to recline.

Affect or Effect?

To "affect" is to influence. To "effect" is to cause.

- Punctuation

A **comma** is used to indicate a pause within a sentence, and to group words that belong together.

A **colon** is used prior to a list or long quotation.

A **semicolon** indicates a greater pause than that which is indicated by a comma; and is often used between groups of words separated by commas.

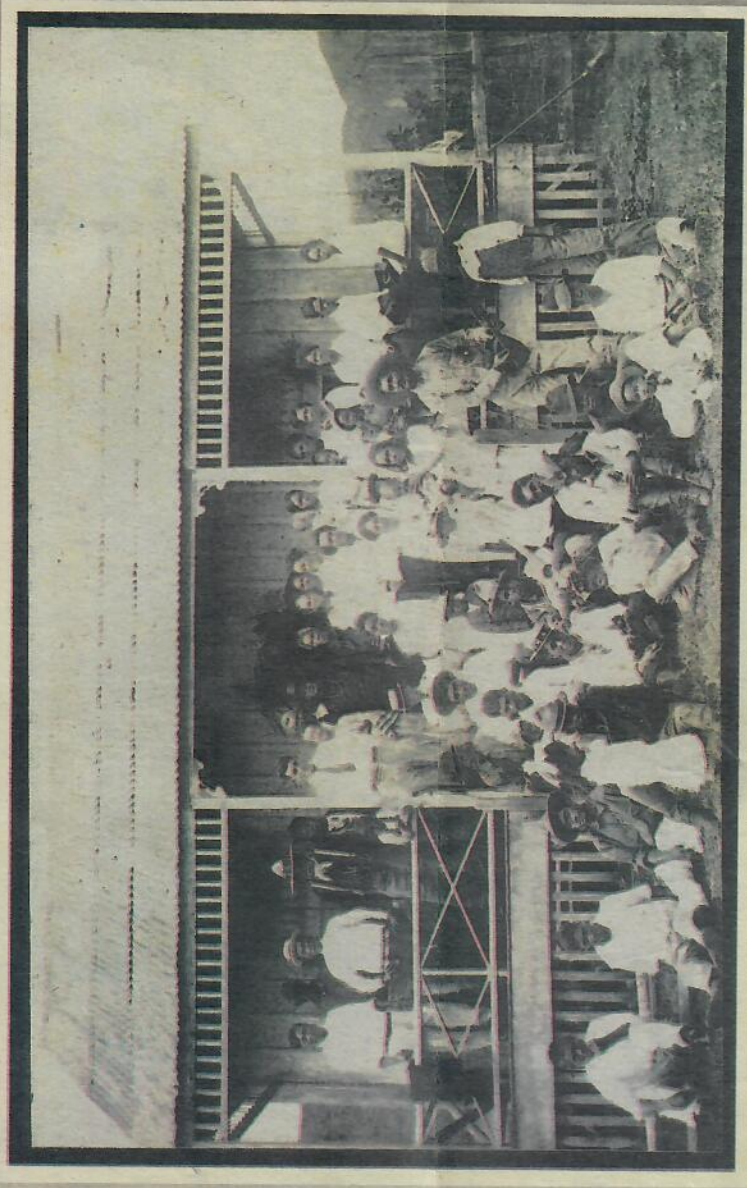
An **apostrophe** is used to indicate the possessive case of nouns as in *Jenny's pen*; to form a contraction as in *I've* or *they've*; and to form the plural of a letter or number as in the three *R's*, *7's* and *11's*.

A **hyphen** divides words in syllables such as compound words like *twenty-five*.

A **quotation mark** indicates the exact words someone spoke. Use with titles of songs, short stories, chapter titles, short plays, television programs, magazine articles, and poems.

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

6/25/07



COURTESY NATIVE BOOKS

A luau held at the Lanai schoolhouse is among historic images captured in "The Story of Lanai."

Tale of Lanai is an instant classic

6/25/07

9/27/07 1750 22

"The Story of Lanai" by George C. Munro (distributed by Native Books, www.nativebookshawaii.com, 2007, 233 pages, \$42)

Review by Michael Egan
Special to the Star-Bulletin

GEOERGE C. MUNRO (1866-1963) was a New Zealand farmer hired in 1911 to run the Lanai Co.'s cattle ranch; that is, the entire island. He stayed for 23 years, in effect a benevolent despot over 44,000 acres and about 600 people.

"The Story of Lanai" draws on Munro's observations, daily notes and evolving efforts to nurture the island's delicate ecosystem. His management decisions were mostly intelligent, far-seeing and almost always effective, not only in maintaining the herd but in preserving the environment. In 1934, when he retired — Lanai was then owned by the Hawaiian Pineapple Co. — his achievements were widely acknowledged. Visionary in his time, he was applauded for what is now called "green politics."

Munro, a leading ornithologist and self-trained botanist, came to Hawaii in 1890 as part of the Rothschild bird expedition. Many of the species he collected are in the American Museum of Natural History. His

"Birds of Hawaii" (1944) remains a standard textbook. In the last 30 years of his life, he published about 175 articles in Elepaio, the journal of the Hawaiian Audubon Society.

Munro is now chiefly remembered for his conservationist work. A well-known trail on Lanai is named after him, as are dozens of plant species, including the rare munroidendron. He single-handedly created the nine-acre Na Laau Hawaii (Plants Belonging to Hawaii) Arboretum on Diamond Head, for years personally carrying water up in buckets. In 1960, at age 94, he became an honorary member of the Hawaiian Botanical Gardens Society. A year later, he won the Garden Club of America's Medal of Honor and was elected honorary associate of the Bishop Museum.

Yet if you seek his monument, look no further than this book. "The Story of Lanai" is an instant classic. Munro spent his final years writing it, and no expense has been spared in its publication by his descendants. And rightly so. The book is an important document, often consulted in its manuscript form by historians such as Kamakau. The present edition makes a fine study more accessible and will extend its influence. Its back cover includes a large fold-out map, while the text itself is enlivened by dozens of



The author's grandson Richard Towill, left, and great-grandson Rick Towill will appear at book signings.

>> **Sept. 15:** 1 to 3 p.m., Bailey House Museum, Maui
>> **Sept. 2:** 5 to 7 p.m., Queen Emma Summer Home, Nuuanu
>> **Oct. 25:** 7 to 9 p.m., Hawaiian Historical Society, Honolulu

wonderfully evocative, sepia-tinted photographs from Munro's personal collection. This is old Lanai, and you are there.

The book's greatest glory, however, is the author's clear and supple prose, sustained by a wealth of sharp-eyed perceptions. The result is a text that never bores and often challenges, despite its methodical style of presentation. Munro's conclusions about the effects of precontract Hawaiian farming

BOOK LAUNCH

>> **When:** 6 to 8 p.m. Thursday
>> **Place:** Bishop Museum
>> **Featuring:** Hawaiian food, entertainment and book-signing. The book will be sold for \$25 at the event.
>> **Call:** 596-8885

MORE APPEARANCES

>> **July 8:** 3 to 5 p.m., Native Books, Ward Warehouse
>> **July 14:** Noon to 1 p.m., Bookends, Kailua
>> **July 20:** 12:30 to 1:30 p.m., Bestsellers, DOWNTOWN
>> **July 28:** 1 to 3 p.m., Lyman Museum, Hilo
>> **Sept. 1:** 11 a.m. to 1 p.m., Kaula Museum

>> **Sept. 15:** 1 to 3 p.m., Bailey House Museum, Maui
>> **Sept. 2:** 5 to 7 p.m., Queen Emma Summer Home, Nuuanu
>> **Oct. 25:** 7 to 9 p.m., Hawaiian Historical Society, Honolulu

and cultivation, for example, may cause controversy because (in his view) ancient slash-and-burn practices almost destroyed the island's fertility. "Contrary to general belief," Munro declares, "the erosion of (Lanai's) uplands was not caused by livestock but by agriculture." This apparently well-supported opinion is all the more persuasive because Munro obviously has no political axe to grind. He's just calling it as he saw it.

Similarly, Munro attributes the disastrous decline in Lanai's native population not to European diseases alone but to a bloody 1778 military campaign by Kalinopi'u and the young Kamehameha, "which wiped out most of Lanai's peaceful and unwarlike inhabitants." This same attack left Kaho'olawe "a naked, dreary barren waste without habitation or cultivation." This is important corrective information, though it is sure to be contested.

In one of the many appreciations of Munro that conclude the book, Leland Miyano writes: "Lanai is a microcosm of the world. ... Without active conservation management we will continue to lose species and the land will continue to degrade and dehydrate. This is (Munro's) challenge: Will we be good managers of our environments and save our unique legacies? It is not too late yet, but we are at a critical point and our destiny lies in our own hands."

Michael Egan is scholar-in-residence at Brigham Young University-Hawaii and adjunct professor of English at TransPacific Hawaii College. His latest book is "The Tragedy of Richard II, Part One: A Newly Authenticated Play by William Shakespeare." E-mail him at drmichael@hawaii.rr.com.

TO
 COPY MEDICAL DATA FOR
 KAPLA HISTORICAL RECORDS 3/30/06
 HISTORICAL RECORDS 3/30/06
 TAKEN LANAI 3/30/06
 N=11

Historical Information for Turtle Tag 11771
 George H. Balazs
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 NOAA Pacific Islands Fisheries Science Center
 2570 Dole Street
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 gbalazs@honlab.nmfs.hawaii.edu

Tag Information:

Tag Number	Date	Tag Type	Tag Position
11771	9/20/2002	I681	LHF
11909	10/14/2005	I681	RHF
4136025202	9/20/2002	PIT	RHF
4136350035	9/20/2002	PIT	LHF

Date	Type of Encounter	Location	Tumor Rank	Nesting Act	Straight Carapace	Since Last Encounter			Overall		
						Interval	Year	Growth-Rates	Interval	Year	Growth-Rates
9/20/2002	Near Shore	Lanai, Lae Hi, White Rock	0	-	60.9	---	---	---	---	---	---
10/14/2005	Near Shore	Lanai, Lae Hi, White Rock	0	-	62.5	36.0	3.0	0.0	36.0	3.0	0.5
3/27/2006	Near Shore	Lanai, Lae Hi, White Rock	0	-	62.6	5.0	0.4	0.0	42.0	3.5	0.5

cm
 SCL

Historical Information for Turtle Tag 11771

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Tag Information:

Tag Number	Date	Tag Type	Tag Position
11771	9/20/2002	I681	LHF
11909	10/14/2005	I681	RHF
4136025202	9/20/2002	PIT	RHF
4136350035	9/20/2002	PIT	LHF

Date	Type of Encounter	Location	Tumor Rank	Nesting Act.	Weight <i>Lbs</i>	Since Last Encounter			Overall		
						Interval Month	Year	Growth-Rates lbs/mo	Interval Month	Year	Growth-Rates lbs/mo
9/20/2002	Near Shore	Lanai, Lae Hi, White Rock	0	-	92.0	---	---	---	---	---	---
10/14/2005	Near Shore	Lanai, Lae Hi, White Rock	0	-	90.0	36.0	3.0	---	36.0	3.0	---
3/27/2006	Near Shore	Lanai, Lae Hi, White Rock	0	-	88.0	5.0	0.4	---	42.0	3.5	---

Historical Information for Turtle Tag 44130D4529

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 gbalazs@hnlab.nmfs.hawaii.edu

Tag Information:

Tag Number	Date	Tag Type	Tag Position
11921	10/14/2005	I681	LHF
44130D4529	10/14/2005	PIT	RHF
4414586E21	10/14/2005	PIT	LHF

Date	Type of Encounter	Location	Tumor Rank	Nesting Act	Straight Carapace	Since Last Encounter			Overall			
						Interval Month	Interval Year	Growth-Rates cm/mo	Interval Month	Interval Year	Growth-Rates cm/mo	
10/14/2005	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	54.0	---	---	---	---	---	---	---
3/27/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	54.9	5.0	0.4	0.2	5.0	0.4	0.2	2.3

SELEM

Historical Information for Turtle Tag 44130D4529

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 gbalazs@honlab.nmfs.hawaii.edu

Tag Information:

<u>Tag Number</u>	<u>Date</u>	<u>Tag Type</u>	<u>Tag Position</u>
11921	10/14/2005	1681	LHF
44130D4529	10/14/2005	PIT	RHF
4414586E21	10/14/2005	PIT	LHF

<u>Date</u>	<u>Type of Encounter</u>	<u>Location</u>	<u>Tumor Rank</u>	<u>Nesting Act</u>	<u>Weight</u>	<u>Since Last Encounter</u>			<u>Overall</u>				
						<u>Interval</u>	<u>Year</u>	<u>lbs/mo</u>	<u>Growth-Rates</u>	<u>Interval</u>	<u>Year</u>	<u>lbs/mo</u>	<u>Growth-Rates</u>
10/14/2005	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	50.0	---	---	---	---	---	---	---	---
3/27/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	55.0	5.0	0.4	1.0	12.5	5.0	0.4	1.0	12.5

Historical Information for Turtle Tag 11766

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Tag Information:

Tag Number	Date	Tag Type	Tag Position
11766	9/19/2002	I681	LHF
500E0D7E67	9/19/2002	PIT	LHF
502E21335E	9/19/2002	PIT	RHF

Date	Type of Encounter	Location	TurnorRank	NestingAct	Straight Carapace	Since Last Encounter			Overall			
						Interval	Year	Growth-Rates	Interval	Year	Growth-Rates	
9/19/2002	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	53.5	---	---	---	---	---	---	---
3/27/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	57.4	42.0	3.5	0.1	42.0	3.5	0.1	1.1

53.5 cm

Historical Information for Turtle Tag 11766

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Tag Information:

Tag Number	Date	Tag Type	Tag Position
11766	9/19/2002	I681	LHF
500E0D7E67	9/19/2002	PIT	LHF
502E21335E	9/19/2002	PIT	RHF

Date	Type of Encounter	Location:	TumorRank:	NestingAct:	Weight	Since Last Encounter			Overall		
						Interval Month	Year	Growth-Rates lbs/mo	Interval Month	Year	Growth-Rates lbs/mo
9/19/2002	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	46.0	---	---	---	---	---	---
3/27/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	54.0	42.0	3.5	0.2	42.0	3.5	0.2

Historical Information for Turtle Tag 470C2C5B36

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 gbalazs@honlab.nmfs.hawaii.edu

Tag Information:

Tag Number	Date	Tag Type	Tag Position
11907	10/13/2005	I681	LHF
470C2C5B36	10/13/2005	PIT	RHF
470C6B5463	10/13/2005	PIT	LHF

Date	Type of Encounter	Location	Tumor/Rank	Nesting/Act	Straight Carapace	Since Last Encounter			Overall			
						Interval	Year	Growth-Rates	Interval	Year	Growth-Rates	
						Month	Year	cm/mo	cm/mo	Year	cm/mo	cm/yr
10/13/2005	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	70.1	---	---	---	---	---	---	---
3/27/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	70.1	5.0	0.4	0.0	0.0	0.4	0.0	0.0

Historical Information for Turtle Tag 470C2C5B36

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Tag Information:

Tag Number	Date	Tag Type	Tag Position
11907	10/13/2005	I681	LHF
470C2C5B36	10/13/2005	PIT	RHF
470C6B5463	10/13/2005	PIT	LHF

Date	Type of Encounter	Location:	TumorRank:	NestingAct:	Weight	Since Last Encounter			Overall		
						Interval Month	Year	Growth-Rates lbs/mo	Interval Month	Year	Growth-Rates lbs/mo
10/13/2005	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	110.0	---	---	---	---	---	---
3/27/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	---	5.0	0.4	---	5.0	0.4	---

Historical Information for Turtle Tag 1A04

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originally tagged in Hawaii by DLNR DATE of original tag and place process obtained being

Tag Information:

Tag Number	Date	Tag Type	Tag Position
1A04		I681	LFL
1A05		I681	RFL
470B4A5F7E	3/28/2006	PIT	RHF
470C603942	3/28/2006	PIT	LHF

Date	Type of Encounter	Location	Tumor Rank	Nesting Act.	Straight Carapace	Since Last Encounter			Overall		
						Interval	Month	Year	Interval	Month	Year
3/28/2006	Near Shore	Lanai, Lae Hi, White Rock/Coral head-bask	0	-	65.7	---	---	---	---	---	---

Historical Information for Turtle Tag 1A04
 George H. Balazs
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Original data pending - LANA
tagging
RHR

Tag Information:

Tag Number	Date	Tag Type	Tag Position
1A04		1681	LFL
1A05		1681	RFL
470B4A5F7E	3/28/2006	PIT	RHF
470C603942	3/28/2006	PIT	LHF

Date	Type of Encounter	Location	Tumor Rank	Nesting Act.	Weight	Since Last Encounter			Overall			
						Interval Month	Interval Year	Growth-Rates lbs/mo	Interval Month	Interval Year	Growth-Rates lbs/mo	
3/28/2006	Near Shore	Lanai, Lae HI, White Rock/Coral head-bank	0	-	90.0	---	---	---	---	---	---	---

Historical Information for Turtle Tag 4414285E46

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 gbalazs@honlab.nmfs.hawaii.edu

Tag Information:

Tag Number	Date	Tag Type	Tag Position
11856	10/17/2005	I681	LHF
4414285E46	10/17/2005	PIT	RHF
4414634B44	10/17/2005	PIT	LHF

Date	Type of Encounter	Location	Tumor Rank	Nesting Act	Straight Carapace	Since Last Encounter			Overall			
						Interval Month	Year	Growth-Rates cm/mo	Interval Month	Year	Growth-Rates cm/mo	
10/17/2005	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	53.3	---	---	---	---	---	---	---
3/28/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	53.3	5.0	0.4	0.0	5.0	0.4	0.0	0.0

SCL cm

Historical Information for Turtle Tag 4414285E46

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Tag Information:

Tag Number	Date	Tag Type	Tag Position
11856	10/17/2005	I681	LHF
4414285E46	10/17/2005	PIT	RHF
4414634B44	10/17/2005	PIT	LHF

Date	Type of Encounter	Location	Tumor Rank	Nesting Act	Weight	Since Last Encounter			Overall		
						Interval Month	Interval Year	Growth-Rates lbs/mo	Interval Month	Interval Year	Growth-Rates lbs/mo
10/17/2005	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	46.0	5.0	0.4	0.4	5.0	0.4	5.0
3/28/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	48.0	5.0	0.4	0.4	5.0	0.4	5.0

Historical Information for Turtle Tag 11764

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 gbalazs@honiab.nmfs.hawaii.edu

Tag Information:

Tag Number	Date	Tag Type	Tag Position
11764	9/19/2002	1681	LHF
423F4B4259	9/19/2002	PIT	LHF
424F0C6D03	9/19/2002	PIT	RHF

Date	Type of Encounter	Location:	Tumor Rank:	Nesting Act:	Straight Carapace	Since Last Encounter			Overall		
						Interval Month	Interval Year	Growth-Rates cm/mo	Interval Month	Interval Year	Growth-Rates cm/mo
9/19/2002	Near Shore	Lanai, Lae Hi, White Rock	0	-	69.8	42.0	3.5	0.1	42.0	3.5	0.1
3/29/2006	Near Shore	Lanai, Lae Hi, White Rock	0	-	72.3	42.0	3.5	0.1	42.0	3.5	0.1

SCL_{cm}

Historical Information for Turtle Tag 11764

George H. Balazs
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 NOAA Pacific Islands Fisheries Science Center
 2570 Dole Street
 Honolulu, Hawaii 96822-2396
 gbalazs@honlab.nmfs.hawaii.edu

Tag Information:

Tag Number	Date	Tag Type	Tag Position
11764	9/19/2002	I681	LHF
423F4B4259	9/19/2002	PIT	LHF
424F0C6D03	9/19/2002	PIT	RHF

Date	Type of Encounter	Location:	TumorRank:	NestingAct:	Weight <i>lbs</i>	Since Last Encounter			Overall		
						Interval Month	Year	Growth-Rates lbs/mo	Interval Month	Year	Growth-Rates lbs/mo
9/19/2002	Near Shore	Lanai, Lae Hi, White Rock	0	-	108.0	---	---	---	---	---	---
3/29/2006	Near Shore	Lanai, Lae Hi, White Rock	0	-	105.0	42.0	3.5	---	42.0	3.5	---

Historical Information for Turtle Tag 11770

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Tag Information:

<u>Tag Number</u>	<u>Date</u>	<u>Tag Type</u>	<u>Tag Position</u>
11770	9/20/2002	I681	LHF
11840	3/29/2006	I681	RHF
423F463C7A	9/20/2002	PIT	LHF
424D12272F	9/20/2002	PIT	RHF

<u>Date</u>	<u>Type of Encounter</u>	<u>Location:</u>	<u>Tumor Rank:</u>	<u>Nesting Act:</u>	<u>SCL cm</u>	<u>Since Last Encounter</u>			<u>Overall</u>			
						<u>Month</u>	<u>Year</u>	<u>Growth-Rates</u> cm/mo	<u>Month</u>	<u>Year</u>	<u>Growth-Rates</u> cm/mo	
9/20/2002	Near Shore	Lanai, Lae Hi, White Rock	0	-	55.7	---	---	---	---	---	---	---
3/29/2006	Near Shore	Lanai, Lae Hi, White Rock	0	-	61.0	42.0	3.5	0.1	42.0	3.5	0.1	1.5

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Tag Information:

Tag Number	Date	Tag Type	Tag Position
11770	9/20/2002	I681	LHF
11840	3/29/2006	I681	RHF
423F463C7A	9/20/2002	PIT	LHF
424D12272F	9/20/2002	PIT	RHF

Date	Type of Encounter	Location:	TurnorRank:	NestingAct:	Weight	Since Last Encounter			Overall			
						Interval	Year	Growth-Rates lbs/mo	Interval	Year	Growth-Rates lbs/mo	
9/20/2002	Near Shore	Lanai, Lae Hi, White Rock	0	-	56.0	---	---	---	---	---	---	---
3/29/2006	Near Shore	Lanai, Lae Hi, White Rock	0	-	75.0	42.0	3.5	0.5	42.0	3.5	0.5	5.4

Historical Information for Turtle Tag R927

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Tag Information:

Tag Number	Date	Tag Type	Tag Position
11844	3/30/2006	I681	LHF
4601690C17	3/30/2006	PIT	LHF
4607385464	3/30/2006	PIT	RHF
R927	6/1/1993	I681	RFL
R928	6/1/1993	I681	LFL

Date	Type of Encounter	Location	Tumor Rank	Nesting Act	Since Last Encounter			Overall			
					Interval Month	Interval Year	Growth-Rates cm/mo	Interval Month	Interval Year	Growth-Rates cm/mo	
6/1/1993	Near Shore	Lanai, Lae Hi	0	-	---	---	---	---	---	---	---
3/30/2006	Near Shore	Lanai, Lae Hi, White Rock/Coral Head-basking	0	-	68.3	153.0	12.8	---	153.0	12.8	---

SC 2 cm
 Straight Carapace

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Tag Information:

<u>Tag Number</u>	<u>Date</u>	<u>Tag Type</u>	<u>Tag Position</u>
11844	3/30/2006	I681	LHF
4601690C17	3/30/2006	PIT	LHF
4607385464	3/30/2006	PIT	RHF
R927	6/1/1993	I681	RFL
R928	6/1/1993	I681	LFL

<u>Date</u>	<u>Type of Encounter</u>	<u>Location</u>	<u>Tumor Rank</u>	<u>Nesting Act</u>	<u>Curved Carapace</u>	<u>Since Last Encounter</u>			<u>Overall</u>			
						<u>Interval</u>	<u>Year</u>	<u>Growth-Rates</u>	<u>Interval</u>	<u>Year</u>	<u>Growth-Rates</u>	
						<u>Month</u>	<u>Year</u>	<u>cm/mo</u>	<u>Month</u>	<u>Year</u>	<u>cm/mo</u>	<u>cm/yr</u>
6/1/1993	Near Shore	Lanai, Lae Hi	0	-	47.0	---	---	---	---	---	---	---
3/30/2006	Near Shore	Lanai, Lae Hi, White Rock/Coral Head-basking	0	-	73.5	153.0	12.8	0.2	153.0	12.8	0.2	2.1

Historical Information for Turtle Tag R927

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Tag Information:

Tag Number	Date	Tag Type	Tag Position
11844	3/30/2006	1681	LHF
4601690C17	3/30/2006	PIT	LHF
4607385464	3/30/2006	PIT	RHF
R927	6/1/1993	1681	RFL
R928	6/1/1993	1681	LFL

Date	Type of Encounter	Location	TumorRank	NestingAct	Weight <i>lbs</i>	Since Last Encounter			Overall		
						Interval Month	Year	Growth-Rates lbs/mo	Interval Month	Year	Growth-Rates lbs/mo
6/1/1993	Near Shore	Lanai, Lae Hi	0	-	---	---	---	---	---	---	---
3/30/2006	Near Shore	Lanai, Lae Hi, White Rock/Coral Head-basking	0	-	110.0	153.0	12.8	---	153.0	12.8	---

Historical Information for Turtle Tag 4413247D46

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Tag Information:

<u>Tag Number</u>	<u>Date</u>	<u>Tag Type</u>	<u>Tag Position</u>
11924	10/14/2005	1681	LHF
4413247D46	10/14/2005	PIT	LHF
4413267567	10/14/2005	PIT	RHF

<u>Date</u>	<u>Type of Encounter</u>	<u>Location:</u>	<u>TurnorRank:</u>	<u>NestingAct:</u>	<u>SCL^{cm}</u> <u>Straight Carapace</u>	<u>Since Last Encounter</u>			<u>Overall</u>			
						<u>Interval</u> Month	<u>Year</u>	<u>Growth-Rates</u> cm/mo	<u>Interval</u> Month	<u>Year</u>	<u>Growth-Rates</u> cm/mo	
10/14/2005	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	56.9	---	---	---	---	---	---	---
3/30/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	56.6	5.0	0.4	---	5.0	0.4	---	---

Historical Information for Turtle Tag 4413247D46

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Tag Information:

Tag Number	Date	Tag Type	Tag Position
11924	10/14/2005	1681	LHF
4413247D46	10/14/2005	PIT	LHF
4413267567	10/14/2005	PIT	RHF

Date	Type of Encounter	Location	Tumor Rank	Nesting Act	Weight <i>lbs</i>	Since Last Encounter			Overall			
						Interval Month	Interval Year	Growth-Rates lbs/mo	Interval Month	Interval Year	Growth-Rates lbs/mo	
10/14/2005	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	55.0	---	---	---	---	---	---	---
3/30/2006	Near Shore	Lanai, KUAHUA, Federation Camp	0	-	59.0	5.0	0.4	0.8	5.0	0.4	0.8	10.0

Summary of Recovered Turtles from Lanai during 1/1/1984 - 9/30/2005

Tag Numbers	Date		Straight Carapace Length cm		Year Interval	Growth cm/yr
	Original	Recovered	Original	Recovered		
413607221E (6/30/2000), 500E4A771C (6/17/2000), BBA408, Y426, Y427	07/05/1989	01/11/1991	69.3	---	1.5	---
424E20202D (9/19/2002), H867 (6/25/1992), V402, V403	01/04/1992	06/25/1992	---	---	0.4	---
H854, H855, H856	06/24/1992	01/18/1993	38.7	40.2	0.5	3.0
H838, H839, H840	06/24/1992	06/01/1993	---	---	0.9	---
H891, H892, R969 (6/2/1993)	06/26/1992	06/02/1993	---	---	0.9	---
H820, H821, R998 (6/3/1993), R999 (6/3/1993)	06/24/1992	06/03/1993	---	---	0.9	---
H838, H839, H840	06/24/1992	06/03/1993	---	---	0.9	---
H848, H849, H850	06/24/1992	06/03/1993	---	---	0.9	---
H868, H869, J9 (6/3/1993)	06/25/1992	06/03/1993	---	---	0.9	---
H870, H871, R980 (6/3/1993)	06/25/1992	06/03/1993	---	---	0.9	---
R976 (6/3/1993), R977 (6/3/1993), V16	06/01/1991	06/03/1993	---	---	2.0	---
10994, 11019	04/14/1992	11/21/1994	---	---	2.6	---
11885 (9/17/2002), 424E215D42 (9/17/2002), 4250266735 (9/17/2002), R968, R988, R989	06/02/1993	09/17/2002	47.5	68.8	9.3	2.3
423F446C1A (9/17/2002), 424F0D5853 (9/17/2002), R990, R991, R992, R993	06/02/1993	09/17/2002	55.5	73.3	9.3	1.9
424E20202D (9/19/2002), H867, V402, V403	01/04/1992	09/19/2002	---	77.0	10.7	7.2
424E0F4D04 (9/19/2002), 424E3D7530 (9/19/2002), R895, R896, R897, R898	06/01/1993	09/19/2002	---	74.9	9.3	8.1
11889, 424E3A0D0D, 425025304C	09/17/2002	08/22/2003	57.1	58.0	0.9	1.0
11894, 424E1A1635, 425006256F	09/17/2002	08/22/2003	60.0	61.2	0.9	1.3
44521B6029 (8/22/2003), 44537D0E42 (8/22/2003)	08/22/2003	08/22/2003	---	40.0	0.0	---
11754, 1A00 (11/10/2004), 1A01 (11/10/2004), 4135126E5C, 41360D6F28	09/18/2002	02/20/2004	71.0		1.4	---
11754, 1A00 (11/10/2004), 1A01 (11/10/2004), 4135126E5C, 41360D6F28	09/18/2002	11/10/2004	71.0		2.1	---

Summary of Recovered Turtles from Lanai during 1/1/1984 - 9/30/2005

Tag Numbers	Date		Curved Carapace Length cm		Year Interval	Growth cm/yr
	Original	Recovered	Original	Recovered		
413607221E (6/30/2000), 500E4A771C (6/17/2000), BBA408, Y426, Y427	07/05/1989	01/11/1991	76.0	---	1.5	---
424E20202D (9/19/2002), H867 (6/25/1992), V402, V403	01/04/1992	06/25/1992	74.0	75.5	0.4	3.8
H854, H855, H856	06/24/1992	01/18/1993	41.0	42.5	0.5	3.0
H838, H839, H840	06/24/1992	06/01/1993	46.5	48.0	0.9	1.7
H891, H892, R969 (6/2/1993)	06/26/1992	06/02/1993	61.5	64.5	0.9	3.3
H820, H821, R998 (6/3/1993), R999 (6/3/1993)	06/24/1992	06/03/1993	64.5	69.5	0.9	5.6
H838, H839, H840	06/24/1992	06/03/1993	46.5	48.0	0.9	1.7
H848, H849, H850	06/24/1992	06/03/1993	70.0	73.5	0.9	3.9
H868, H869, J9 (6/3/1993)	06/25/1992	06/03/1993	50.0	54.0	0.9	4.4
H870, H871, R980 (6/3/1993)	06/25/1992	06/03/1993	67.0	71.5	0.9	5.0
R976 (6/3/1993), R977 (6/3/1993), V16	06/01/1991	06/03/1993	61.0	68.5	2.0	3.8
10994, 11019	04/14/1992	11/21/1994	---	---	2.6	---
11885 (9/17/2002), 424E215D42 (9/17/2002), 4250266735 (9/17/2002), R968, R988, R989	06/02/1993	09/17/2002	50.5	74.0	9.3	2.5
423F446C1A (9/17/2002), 424F0D5853 (9/17/2002), R990, R991, R992, R993	06/02/1993	09/17/2002	60.0	79.0	9.3	2.0
424E20202D (9/19/2002), H867, V402, V403	01/04/1992	09/19/2002	74.0	82.0	10.7	0.7
424E0F4D04 (9/19/2002), 424E3D7530 (9/19/2002), R895, R896, R897, R898	06/01/1993	09/19/2002	67.5	82.5	9.3	1.6
11889, 424E3A0D0D, 425025304C	09/17/2002	08/22/2003	61.5	62.5	0.9	1.1
11894, 424E1A1635, 425006256F	09/17/2002	08/22/2003	64.0	65.0	0.9	1.1
44521B6029 (8/22/2003), 44537D0E42 (8/22/2003)	08/22/2003	08/22/2003	---	43.0	0.0	---
11754, 1A00 (11/10/2004), 1A01 (11/10/2004), 4135126E5C, 41360D6F28	09/18/2002	02/20/2004	75.0	76.2	1.4	0.9
11754, 1A00 (11/10/2004), 1A01 (11/10/2004), 4135126E5C, 41360D6F28	09/18/2002	11/10/2004	75.0	78.0	2.1	1.4

Tagging Summary from Lanai during 1/1/1984 - 9/30/2005

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
7861, 7862	10/22/1984	---	39.5	---	Hand grab
7861, 7862	10/22/1984	---	---	---	Hand grab
V11, V12	06/01/1991	---	60.0	---	Hand/Snorkel
V13, V14	06/01/1991	---	59.0	---	Hand/Snorkel
V15	06/01/1991	---	60.0	---	Hand/Snorkel
R976 (6/3/1993), R977 (6/3/1993), V16	06/01/1991	---	61.0	---	Hand/Snorkel
424E20202D (9/19/2002), H867 (6/25/1992), V402, V403	01/04/1992	---	74.0	---	Hand/Snorkel
V404, V405	04/26/1992	---	39.0	---	Net
H812, H813, H814	06/24/1992	---	64.5	---	Hand/Snorkel
H815, H816, H817	06/24/1992	---	52.0	---	Hand/Snorkel
H818, H819	06/24/1992	---	48.0	---	Hand/Snorkel
H820, H821, R998 (6/3/1993), R999 (6/3/1993)	06/24/1992	---	64.5	---	Hand/Snorkel
H822, H823	06/24/1992	---	52.5	---	Hand/Snorkel
H824, H825	06/24/1992	---	59.0	---	Hand/Snorkel
H833, H834	06/24/1992	---	44.5	---	Hand/Snorkel
H835, H836, H837	06/24/1992	---	81.0	---	Hand/Snorkel
H838, H839, H840	06/24/1992	---	46.5	---	Hand/Snorkel
H841, H842, H843	06/24/1992	---	---	---	Hand/Snorkel
H844, H845	06/24/1992	---	51.5	---	Hand/Snorkel
H846, H847	06/24/1992	---	46.0	---	Hand/Snorkel
H848, H849, H850	06/24/1992	---	70.0	---	Hand/Snorkel
H851, H852, H853	06/24/1992	55.2	59.0	---	Hand/Snorkel
H854, H855, H856	06/24/1992	38.7	41.0	19.0	Beach Net
H857, H858, H859	06/24/1992	52.8	57.0	57.0	Beach Net
H826, H866	06/25/1992	---	---	---	Hand/Snorkel
H827, H828	06/25/1992	---	62.0	---	Hand/Snorkel
H829, H830	06/25/1992	---	66.0	---	Hand/Snorkel
H831, H832	06/25/1992	---	59.0	---	Hand/Snorkel

Tagging Summary from Lanai during 1/1/1984 - 9/30/2005

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
H860, H861	06/25/1992	---	62.5	---	Hand/Snorkel
H862, H863	06/25/1992	---	56.0	---	Hand/Snorkel
H864, H865	06/25/1992	---	47.0	---	Hand/Snorkel
H868, H869, J9 (6/3/1993)	06/25/1992	---	50.0	---	Hand/Snorkel
H870, H871, R980 (6/3/1993)	06/25/1992	---	67.0	---	Hand/Snorkel
H872, H873 10/05	06/25/1992	---	47.5	---	Hand/Snorkel
H874, H875	06/25/1992	---	69.0	---	Hand/Snorkel
H876, H877, H879	06/25/1992	52.1	56.5	45.0	Beach Net
H880, H881	06/25/1992	---	52.0	---	Hand/Snorkel
H882, H883	06/25/1992	---	49.5	---	Hand/Snorkel
H884, H885, H900	06/26/1992	---	60.5	---	Hand/Snorkel
H886, H887, H888	06/26/1992	---	82.0	---	Hand/Snorkel
431E5E6259 (6/14/2003), 435250105A (6/14/2003), H889, H890	06/26/1992	---	74.0	---	Hand/Snorkel
H891, H892, R969 (6/2/1993)	06/26/1992	---	61.5	---	Hand/Snorkel
H893, H894, H895	06/26/1992	---	68.0	---	Hand/Snorkel
H896, H897	06/26/1992	---	55.0	---	Hand/Snorkel
H898, H899	06/26/1992	---	62.5	---	Hand/Snorkel
H926, H927	06/26/1992	---	62.5	---	Hand/Snorkel
H928, H929	06/26/1992	---	43.5	---	Hand/Snorkel
H930, H931	06/26/1992	---	67.5	---	Hand/Snorkel
H932, H933	06/26/1992	---	75.5	---	Hand/Snorkel
H934, H935	06/26/1992	---	57.0	---	Hand/Snorkel
R883, R884, R885, R886	06/01/1993	---	59.5	---	Hand/Snorkel
R887, R888, R889, R890	06/01/1993	---	60.0	---	Hand/Snorkel
R891, R892, R893, R894	06/01/1993	---	54.5	---	Hand/Snorkel
424E0F4D04 (9/19/2002), 424E3D7530 (9/19/2002), R895, R896, R897, R898	06/01/1993	---	67.5	---	Hand/Snorkel
R899, R900, R901, R902	06/01/1993	---	60.5	---	Hand/Snorkel
R903, R904, R924, R925	06/01/1993	61.3	67.0	---	Beach Net

Tagging Summary from Lanai during 1/1/1984 - 9/30/2005

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
R905, R906, R907, R908	06/01/1993	---	63.0	---	Hand/Snorkel
R909, R910, R911, R912	06/01/1993	---	72.5	---	Hand/Snorkel
R927, R928	06/01/1993	---	47.0	---	Hand/Snorkel
R930, R931, R932, R933	06/01/1993	---	67.0	---	Hand/Snorkel
R913, R916	06/02/1993	---	75.5	---	Basking on coral head
R917, R920	06/02/1993	---	81.0	---	Basking on coral head
R921, R922, R923	06/02/1993	---	59.5	---	Hand/Snorkel
R926, R929, R934, R935	06/02/1993	---	68.0	---	Hand/Snorkel
R936, R939	06/02/1993	---	70.5	---	Hand/Snorkel
R940, R941, R942, R943	06/02/1993	---	58.0	---	Hand/Snorkel
R944, R945, R946, R947	06/02/1993	---	73.0	---	Hand/Snorkel
R952, R953, R954	06/02/1993	---	62.5	---	Hand/Snorkel
R955, R956, R957	06/02/1993	---	53.0	---	Hand/Snorkel
R958, R959, R960	06/02/1993	---	45.5	---	Hand/Snorkel
R961, R962	06/02/1993	---	54.0	---	Hand/Snorkel
R963, R964	06/02/1993	---	57.5	---	Hand/Snorkel
R965, R966, R967	06/02/1993	---	65.0	---	Hand/Snorkel
11885 (9/17/2002), 424E215D42 (9/17/2002), 4250266735 (9/17/2002), R968, R988, R989	06/02/1993	47.5	50.5	---	Beach Net
R970, R975	06/02/1993	47.3	51.0	---	Beach Net
R971, R972	06/02/1993	---	46.5	---	Hand/Snorkel
R973, R974	06/02/1993	---	40.5	---	Hand/Snorkel
423F446C1A (9/17/2002), 424F0D5853 (9/17/2002), R990, R991, R992, R993	06/02/1993	55.5	60.0	---	Beach Net
R994, R995, R996, R997	06/02/1993	62.5	67.0	---	Beach Net
8726, 8727, 8728, 8729	06/03/1993	---	70.0	---	Hand/Snorkel
8730, 8731, 8732, 8733	06/03/1993	---	70.5	---	Hand/Snorkel
8734, 8735, 8736	06/03/1993	---	44.5	---	Hand/Snorkel
8737, 8738, 8739	06/03/1993	---	46.5	---	Hand/Snorkel

Tagging Summary from Lanai during 1/1/1984 - 9/30/2005

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
8740, 8741, 8742	06/03/1993	---	77.5	---	Hand/Snorkel
8743, 8744	06/03/1993	---	44.0	---	Hand/Snorkel
8745, 8746, 8747	06/03/1993	---	49.5	---	Beach Net
J5, J6, J7, J8	06/03/1993	---	58.0	---	Beach Net
R978, R979	06/03/1993	---	47.0	---	Hand/Snorkel
R981, R982, R983	06/03/1993	---	65.5	---	Hand/Snorkel
R984, R985, R986, R987	06/03/1993	---	56.0	---	Hand/Snorkel
V406, V407	10/29/1995	---	48.0	---	Feeding
V408, V409	01/16/1998	---	79.0	---	Beached
V410, V411	11/25/1998	---	74.0	---	Beached
V412, V413	04/03/2002	---	59.0	---	Incidental net capture
V414, V415	06/23/2002	---	70.0	---	Basking
V416, V417	06/23/2002	---	69.0	---	Basking
11877, 424E6D2A71, 424F2A5544	09/16/2002	---	66.0	67.0	Hand/Snorkel
11878, 424E1B0A03, 4250244B0D	09/16/2002	---	80.5	140.0	Hand/Snorkel
11879, 423A283F1F, 42501C7D72	09/16/2002	---	71.5	95.0	Hand/Snorkel
11880, 423F336E4B, 424F130355	09/16/2002	---	62.0	60.0	Hand/Snorkel
11881, 424E7A1760, 424F057041	09/16/2002	---	60.5	58.0	Hand/Snorkel
11882, 424D11402B, 424F365664	09/16/2002	---	60.0	60.0	Hand/Snorkel
11883, 423F462561, 424D5F4658	09/16/2002	---	70.0	83.0	Scoop Net
11884, 423F3A0D65, 4250353214	09/16/2002	---	66.0	72.0	Scoop Net
11886, 424F243A49, 42500A4243	09/17/2002	65.8	71.5	90.0	Hand/Snorkel
11889, 424E3A0D0D, 425025304C	09/17/2002	57.1	61.5	58.0	Hand/Snorkel
11890, 411C671A5D, 414B372556	09/17/2002	55.9	60.0	53.0	Hand/Snorkel

Tagging Summary from Lanai during 1/1/1984 - 9/30/2005

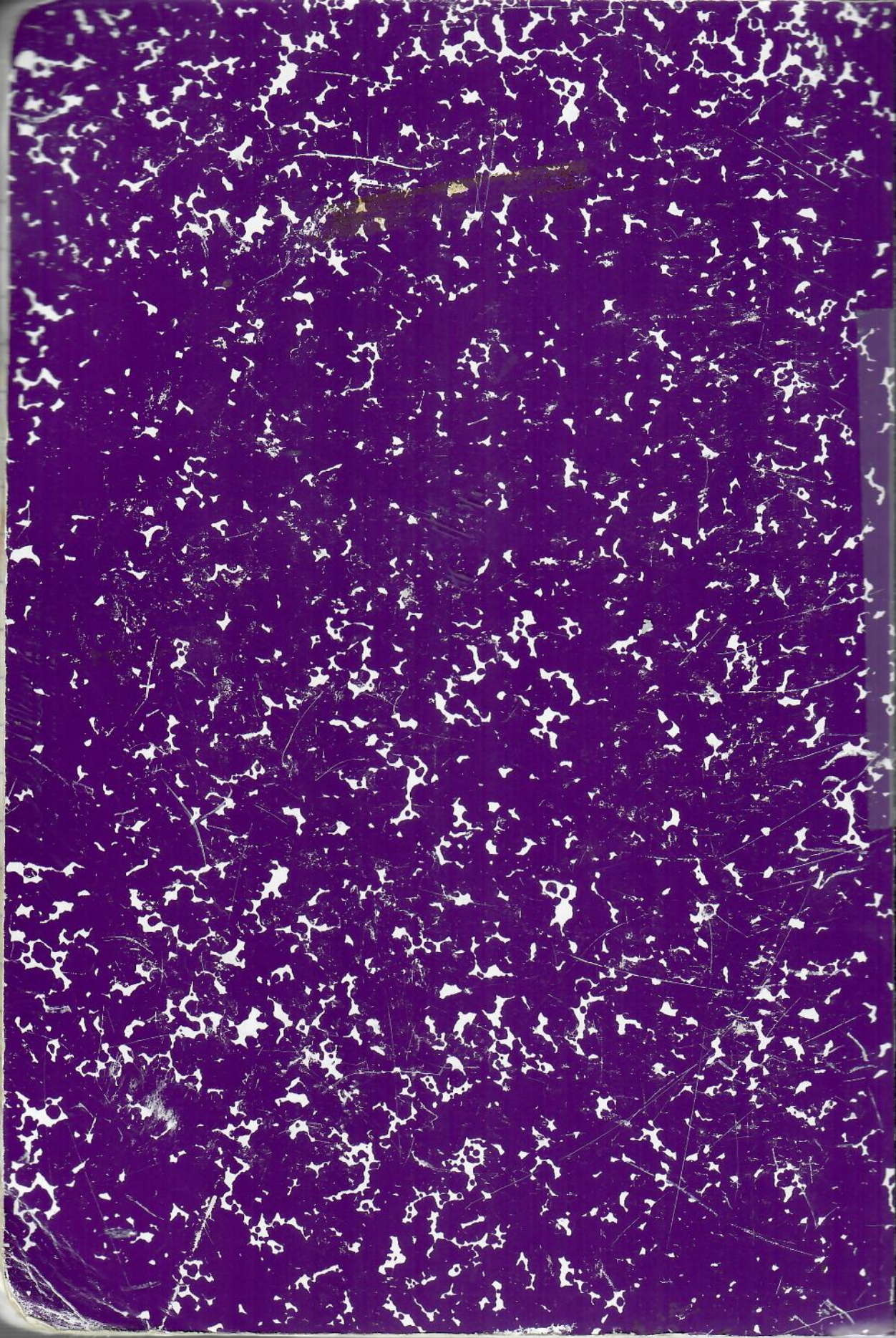
Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
11891, 423E181C2C, 424F071E34	09/17/2002	66.2	70.5	86.0	Hand/Snorkel
11892, 411C61474E, 411D003B10	09/17/2002	53.2	57.0	45.0	Hand/Snorkel
11893, 41477F0238, 414B340712	09/17/2002	52.9	57.5	50.0	Hand/Snorkel
11894, 424E1A1635, 425006256F	09/17/2002	60.0	64.0	63.0	Hand/Snorkel
11895, 423C126324, 42500D0B20	09/17/2002	66.7	73.0	94.0	Hand/Snorkel
11896, 424B1A0938, 425022473A	09/17/2002	51.5	55.0	43.0	Hand/Snorkel
11897, 424D414B77, 42500F6258	09/17/2002	64.7	70.0	94.0	Hand/Snorkel
11898, 407A4B6125, 411C772424	09/17/2002	64.6	71.5	94.0	Set Net
11899, 407A2D422C, 411F4B3835	09/17/2002	57.4	61.5	68.0	Hand/Snorkel
11751, 407A2B7F45, 4149050B56	09/18/2002	65.6	70.0	100.0	Scoop Net
11752, 41351C612B, 4136045750	09/18/2002	61.3	64.5	72.0	Scoop Net
11753, 41356F1F2E, 41360B3536	09/18/2002	66.0	70.5	98.0	Tangle Net
11754, 1A00 (11/10/2004), 1A01 (11/10/2004), 4135126E5C, 41360D6F28	09/18/2002	71.0	75.0	119.0	Tangle Net
11900, 407A2D7B34, 407C462A69	09/18/2002	62.5	67.0	95.0	Scoop Net
11755, 413601757F, 42434C2957	09/19/2002	50.8	54.5	43.0	Hand/Snorkel
11756, 423E1B0918, 424E667020	09/19/2002	51.4	55.0	44.0	Hand/Snorkel
11757, 424F240B17, 42501D5139	09/19/2002	50.1	54.0	37.0	Hand/Snorkel
11758, 42500D5155, <i>10/05</i> 425017086B	09/19/2002	65.5	71.5	81.0	Hand/Snorkel
11759, 424D0D2A14, 424F0C7002	09/19/2002	61.3	67.0	73.0	Hand/Snorkel
11760, 423E101104, 424D720932	09/19/2002	50.2	53.5	40.0	Hand/Snorkel

Tagging Summary from Lanai during 1/1/1984 - 9/30/2005

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
11761, 424D446C61, 424F286067	09/19/2002	63.7	69.0	97.0	Hand/Snorkel
11762, 423E0D370A, 423F4D0B2E	09/19/2002	58.4	63.5	67.0	Hand/Snorkel
11763, 424D300817, 424E2F1462	09/19/2002	63.5	68.0	87.0	Hand/Snorkel
3/06 * 11764, 423F4B4259, 424F0C6D03	09/19/2002	69.8	75.0	108.0	Hand/Snorkel
11765, 4135662178, 424E3C5713	10/05 09/19/2002	57.9	61.5	59.0	Scoop Net
11766, 500E0D7E67, 502E21335E	09/19/2002	53.5	57.0	46.0	Scoop Net
11767, 424D63002F, 424D713A2B	09/20/2002	65.9	71.5	94.0	Hand/Snorkel
11768, 424E522A22, 424F115335	09/20/2002	54.9	59.5	51.0	Hand/Snorkel
11769, 424F7E791A, 42502D7B33	09/20/2002	53.7	58.5	52.0	Hand/Snorkel
3/06 * 11770, 423F463C7A, 424D12272F	09/20/2002	55.7	60.0	56.0	Hand/Snorkel
11771, 4136025202, 4136350035	09/20/2002	60.9	66.5	92.0	Hand/Snorkel
11772, 41362C3B36, 5031420D2D	09/20/2002	64.1	70.0	82.0	Hand/Snorkel
11773, 500F2E6B20, 5019257105	09/20/2002	74.2	81.5	151.0	Hand/Snorkel
422F0E1C69, 4232564652	01/31/2003	58.2	62.0	---	Hand/Snorkel
42372A5461, 42395F5F13	01/31/2003	44.9	48.0	---	Hand/Snorkel
442C4E1E7D, 442F0E2139	01/31/2003	59.0	63.5	---	Hand/Snorkel
442C646A44, 442D004D54	01/31/2003	61.3	66.0	---	Hand/Snorkel
442D021451, 442E21320B	01/31/2003	48.9	52.0	---	Hand/Snorkel
442D05704E, 442D592405	01/31/2003	74.8	81.5	---	Scoop Net
442D71672B, 442F18664A	01/31/2003	69.0	75.0	---	Scoop Net
442E26374D, 44336F1B24	01/31/2003	50.3	53.5	---	Scoop Net
442F034E47, 442F79783E	01/31/2003	50.9	53.5	---	Hand/Snorkel
442F041057, 442F183F28	01/31/2003	44.5	47.5	---	Hand/Snorkel

Tagging Summary from Lanai during 1/1/1984 - 9/30/2005

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
V418, V419	05/18/2003	---	64.0	---	Unknown
443A02217C, 445266570C	08/22/2003	71.9	76.5	---	Hand/Snorkel
443A062344, 4451481806	08/22/2003	45.7	49.0	30.0	Scoop Net
443A073D46, 44520A0B7A	08/22/2003	58.2	62.5	63.0	Hand/Snorkel
443A191644, 4452751253	08/22/2003	62.6	68.0	73.0	Hand/Snorkel
443A1B2153, 443A236E4D	08/22/2003	55.1	60.5	51.0	Scoop Net
44516C772C, 4452163061	08/22/2003	55.9	60.5	54.0	Hand/Snorkel
4452270469, 44522A0208	08/22/2003	64.4	70.0	84.0	Scoop Net
445236031C, 4454453951	08/22/2003	65.2	70.5	95.0	Hand/Snorkel
44525C4872, 4454176677	08/22/2003	63.9	67.0	81.0	Scoop Net
4453747643, 4454101F69	08/22/2003	50.2	54.5	42.0	Scoop Net
V420, V421	12/17/2003	---	75.0	---	Resting on beach
V422, V423	12/18/2003	---	65.0	---	Resting on beach
V424, V425	12/18/2003	---	69.0	---	Resting on beach
1A02, 1A03	12/30/2004	---	72.0	---	Basking



Small, illegible label on the spine.