

P.137

HONOKOWAI
AUGUST 20-22, 2009
MASHA KAI

ST24 6/2
ID 23069 B/2

MAUI 5

DEC 2010 - KAPALUA

(808) 286-2899 5690
BALZS 2002-2011

AUGUST 2021/2011

P.23-

3 of 3

9-27-02 SITE VISITS

3-7-03 MOC

alco®

Composition Book

NAKINE STRIP

Name 7-27-03 KAPALUA HAWAII

School 8-17-03 HLAELOA / HONOKOWAI w/k. Armoire / Mr. Room tree

Grade 5-20-04 CAHANA SHORES BEACH RESORT
(1st TRIP OF 5690-04)

Wide Ruled

BALZS

9 3/4 x 7 1/2 in.
(24.76 x 19.05 cm)

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

5/19/2011 MT 793 Release 135
816 Tuckelova / Mahina Landing

(808) 395-6409

8/25 - 8/29/04 - WEST MAUI HONOKOWAI
MAHINA SURF

- 10/27/04 MOC 4 + 1 (YEAR SLP TURTLE)

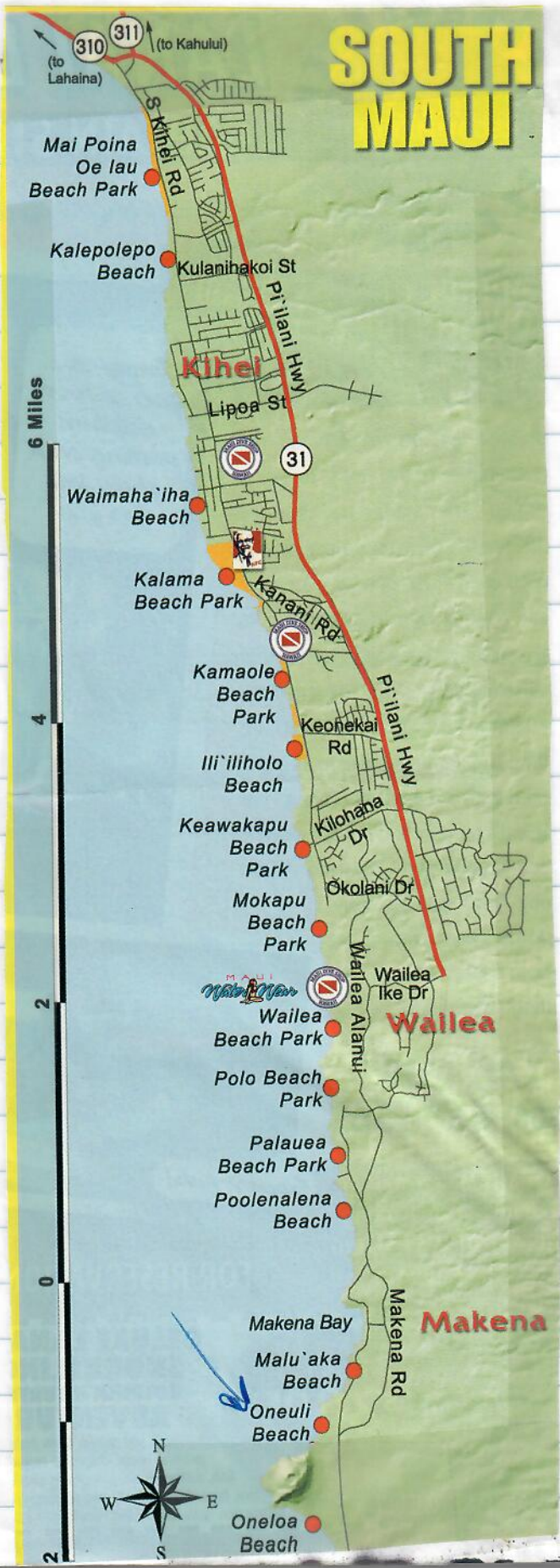
ST24 ARGOS ID 22279
("KUPUALOHA")

- 2005 =

- AUGUST 9-11, 2006
MOC - 2 - ST24 "KIMO" ARGOS 23537
MAHINA SURF "MAHE" ARGOS 50139

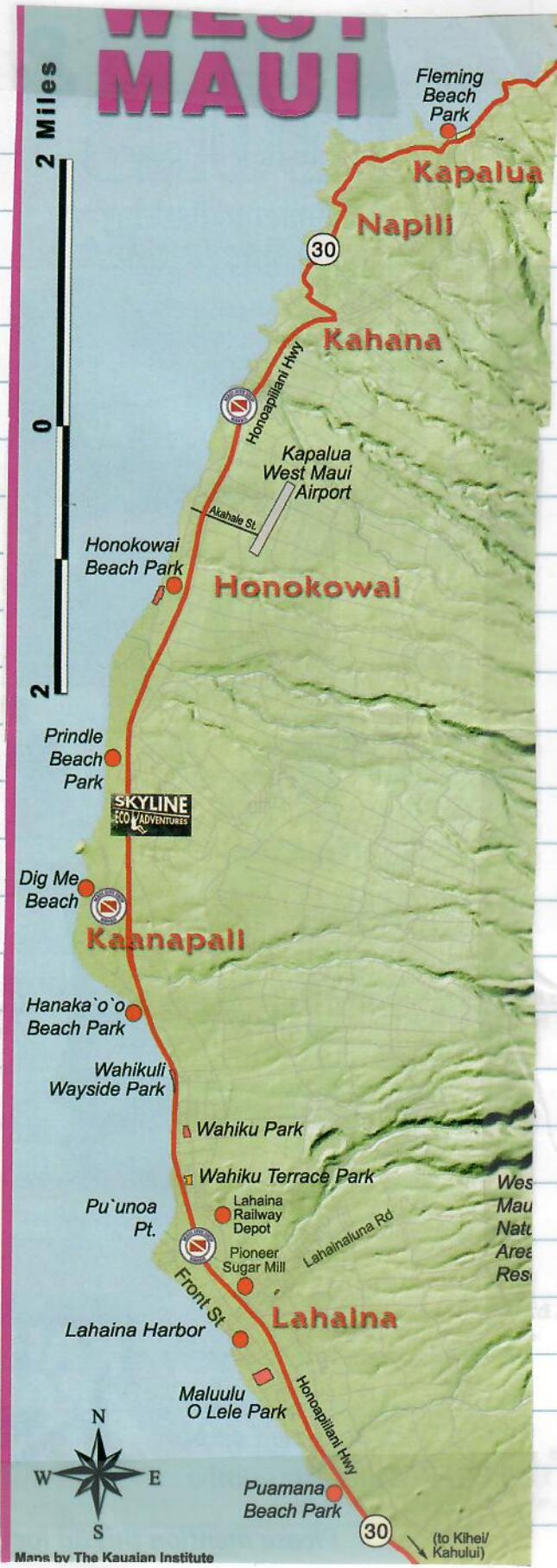
- JULY 16, 08 HONOKOWAI P.136

SOUTH MAUI



Forwarded message
14 Jul 2008 11:23:28

153



821



B-89

----- Forwarded message -----

Date: Mon, 14 Jul 2008 11:22:23 -1000
From: Shawn Murakawa <Shawn.Murakawa@noaa.gov>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Cc: Stacy Hargrove <Stacy.Hargrove@noaa.gov>
Subject: Re: B-x9 or B-xx9 7/11/08 Re: Mystery tag (fwd)

To my eye it looks like the tag is "B-?9". So going off of this assumption I was able to find 5 turtles that have a "B-?9" on the RHF. Just for fun I also found one turtle with a "R-?9" on the RHF. I've attached the Historicals for the 6 turtles as you folks can make a better guess-timate as to whom the turtle may be. My guess is...either B29 or R89. (I named the file according to the RHF tag# and not the Turtle ID# so that it's easier to find.)

George H. Balazs wrote:

----- Forwarded message -----

Date: Sat, 12 Jul 2008 08:09:02 -1000 (HST)
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Peter Bennett <honu3723@gmail.com>
Cc: Ursula Keuper-Bennett <howzit@turtles.org>
Subject: B-x9 or B-xx9 7/11/08 Re: Mystery tag

B89

Since the algae growth follows all the other inscription lines, I'll have to assume like you it's a B. But my first look wondered if it might be an R. Yes we have B prefixes, we've had just about ***all*** alphabets used except O (and our Q's look like O as you know). Most all alphabets have also been used as suffixes. But having said what I said in the last two sentence I should clarify that my no means have all the series been used in Hawaii.

Currently we have in stock and have used (but not at FFS) tags with two alphabets and two numbers.

Now about the B, off hand I can't recall where B's were used. I don't think at FFS. The fact I can't remember B seems odd to me, I usually have a pretty good feeling for all of them. So this will need to await Shawn, and that means Monday morning and that's not too far off. The fact you know there are two other tags (on the front) will be very helpful. Any evidence of being a boy? Dive safe, see you soon, Aloha, George

The one tag looking larger could be explained by 1) lots of algae on it extending its appearance? 2) the tag was one of the uncommon plastics we've used over the

years (but don't any more), and/or 3) one of the Australian tags.

Having suddenly having a 'feeling' B might have been Molokai.

On Sat, 12 Jul 2008, Peter Bennett wrote:

Aloha George,

Yesterday we saw a honu that I estimate is 80 cm or so with three tags: RFF, LFF, and RHF. The front tags are both too fouled to read. The RFF tag looks larger than normal, but we didn't get a photo to illustrate. I will try to do that if we see her again.

The mystery is in the RHF tag, which is partly readable. (See attached, cropped and rotated 180.) I say "mystery" because I have never seen or heard of a B tag. (None in the FFS data, e.g.) Looks to me like B-?9. Tumour-free as far as we can see, quite laid back and allowed us to approach close enough for me to snap that tag picture.

Date: Wed, 23 Jul 2008 16:44:23 -0700 (PDT)
 From: MISSISSAUGA WATCH <mississauga_watch@yahoo.com>
 To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
 Cc: honu@turtles.org, howzit@turtles.org
 Subject: Hi George, bad news, Wai? has FP!

Aloha,

Forgive this email address but my stupid howzit@turtles.org program is still flaky.

Wai? the honubill has FP. áGot video and pics as well. áboth shoulders, right eye (left funny too). áAlso one one trailing edge of LFF. áTumours around neck as well. á

Also. áLarge male we've seen for years has strangulated LFF monofilament line. áPeter tried unsuccessfully to cut it. áIf we don't get that off this summer, that honu's in BIG trouble!

Also, that B-turtle? áIt's NOT B-69! áIt's B-89. áRHF. áPeter managed to scrape off the algae is and is sure. áWill get photo next time around. á

Feel free to phone.

Outta here. áHUNGRY!

Tag Information:

Tag Number	Date	Tag Type	Tag Position
7F7F5E2C32	1/25/1995	PIT	LFF
B86	1/25/1995	I681	RFL
B87	1/25/1995	I681	LFL
B88	1/25/1995	I681	LHF
B89	1/25/1995	I681	RHF

Date	Type of Encounter	Location:	TumorRank:	NestingAct:	Straight Carapace	Interval		C
						Month	Year	
1/25/1995	Near Shore	Hawaii, Honaunau	0	-	55.3	--	--	-
3/12/1997	Near Shore	Hawaii, Kaloko Turtle Pinnacle	0	-	--	25.0	2.1	-
3/16/1997	Near Shore	Hawaii, Kaloko, Turtle Haven	0	-	--	--	--	-
5/12/1998	Near Shore	Hawaii, Kaloko, Turtle Towers	0	-	--	13.0	1.1	-
5/18/1998	Near Shore	Hawaii, Kaloko	0	-	--	--	--	-
8/4/1998	Near Shore	Hawaii, Kaloko	0	-	--	2.0	0.2	-
9/1/1998	Near Shore	Hawaii, Kaloko, Turtle Towers	0	-	--	--	--	-
12/22/1998	Near Shore	Hawaii, Kaloko, Turtle Haven	0	-	--	3.0	0.3	-

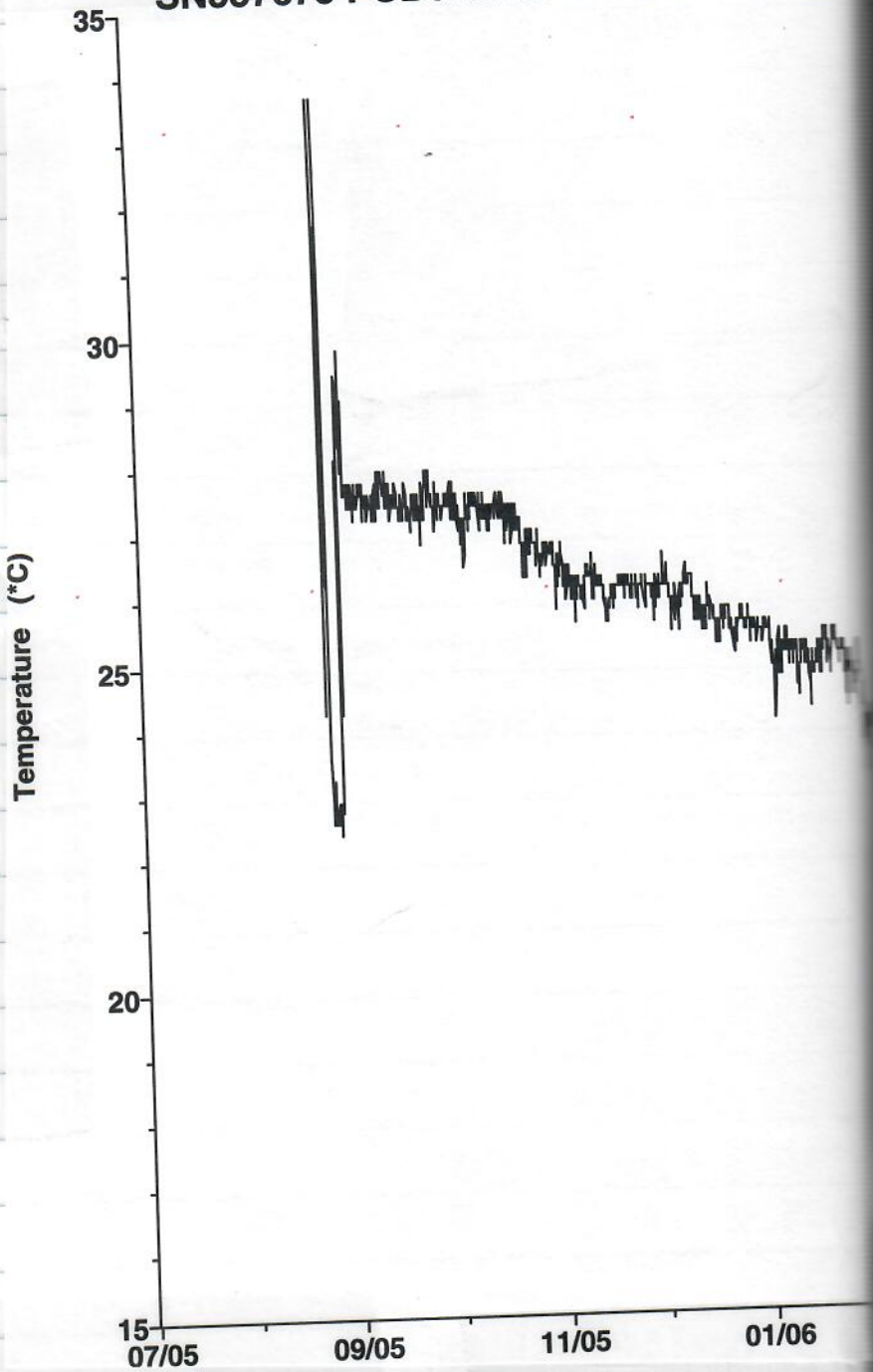
(421)

Date: 23 Jul 2008 16:44:53 -0700 (PDT)

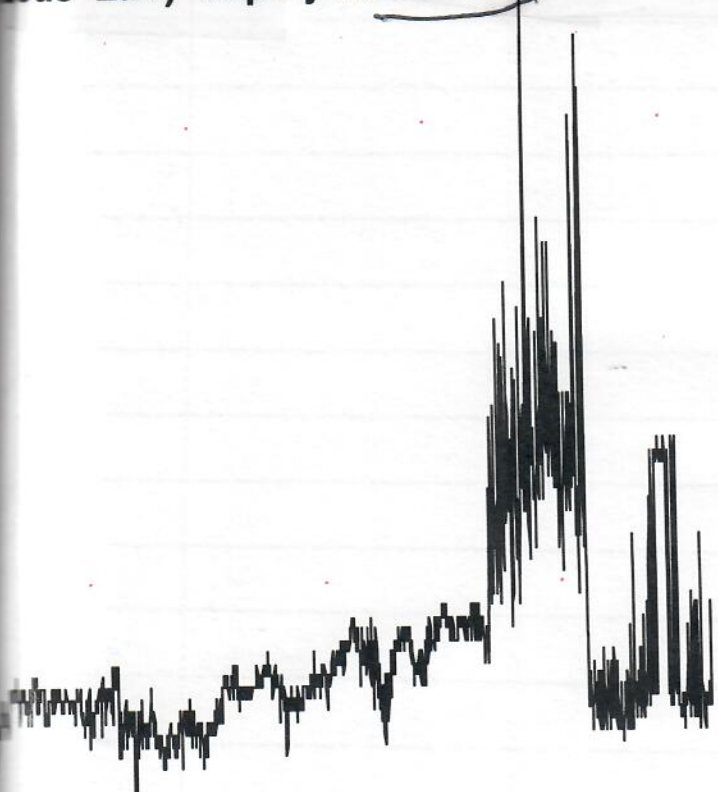
File: ... WATCH ...

A.
F
is
Wa
sh
LE
Al
mo
do
Al
to
ar
Fe
Out
T
/

SN557679 PUBennett. Honokowai, Mau



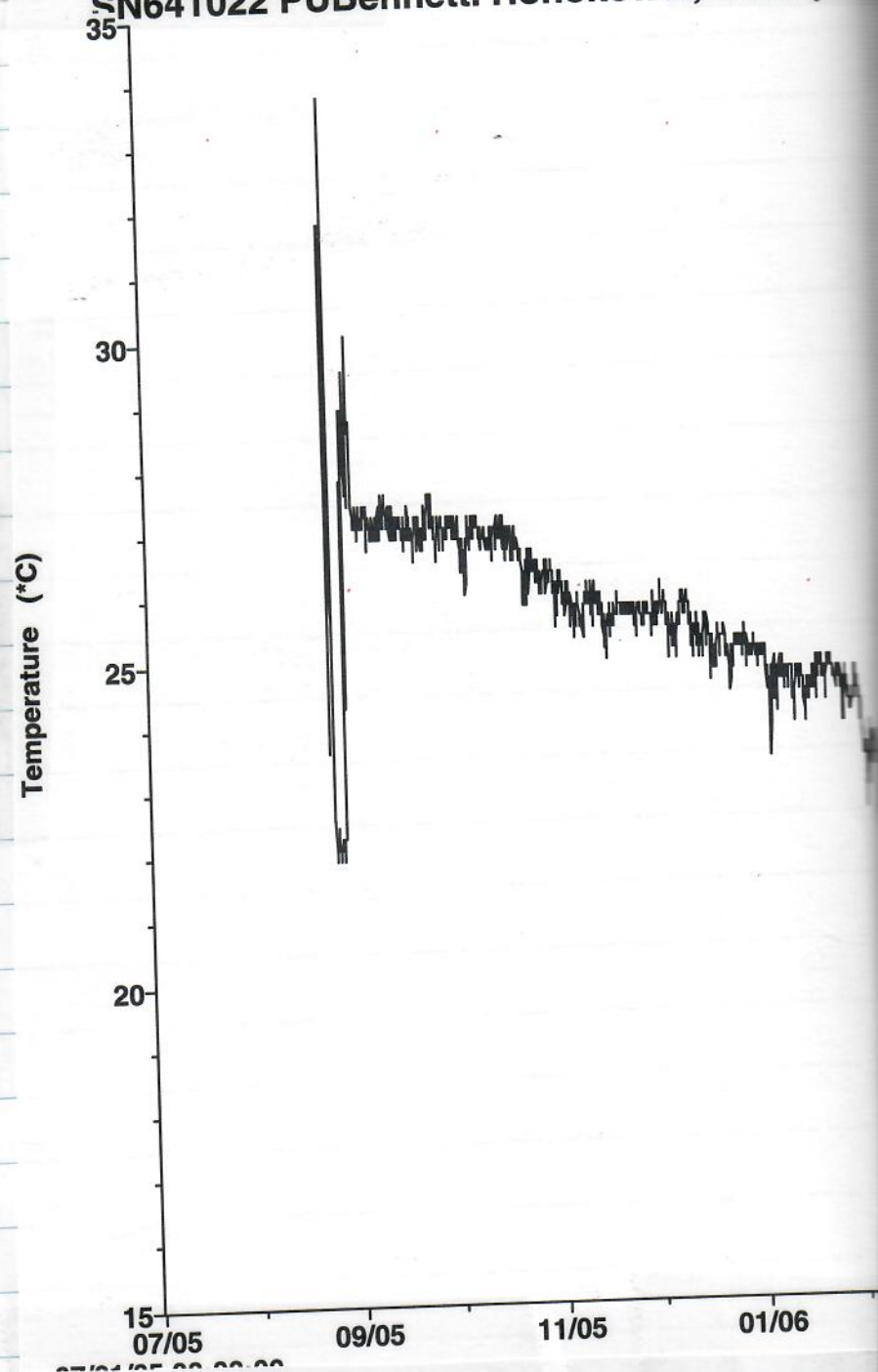
Zeus' Lair)- deployed 8/31/05, Retrieved 08/06



03/06 05/06 07/06 09/06 11/06
11/01/06 00

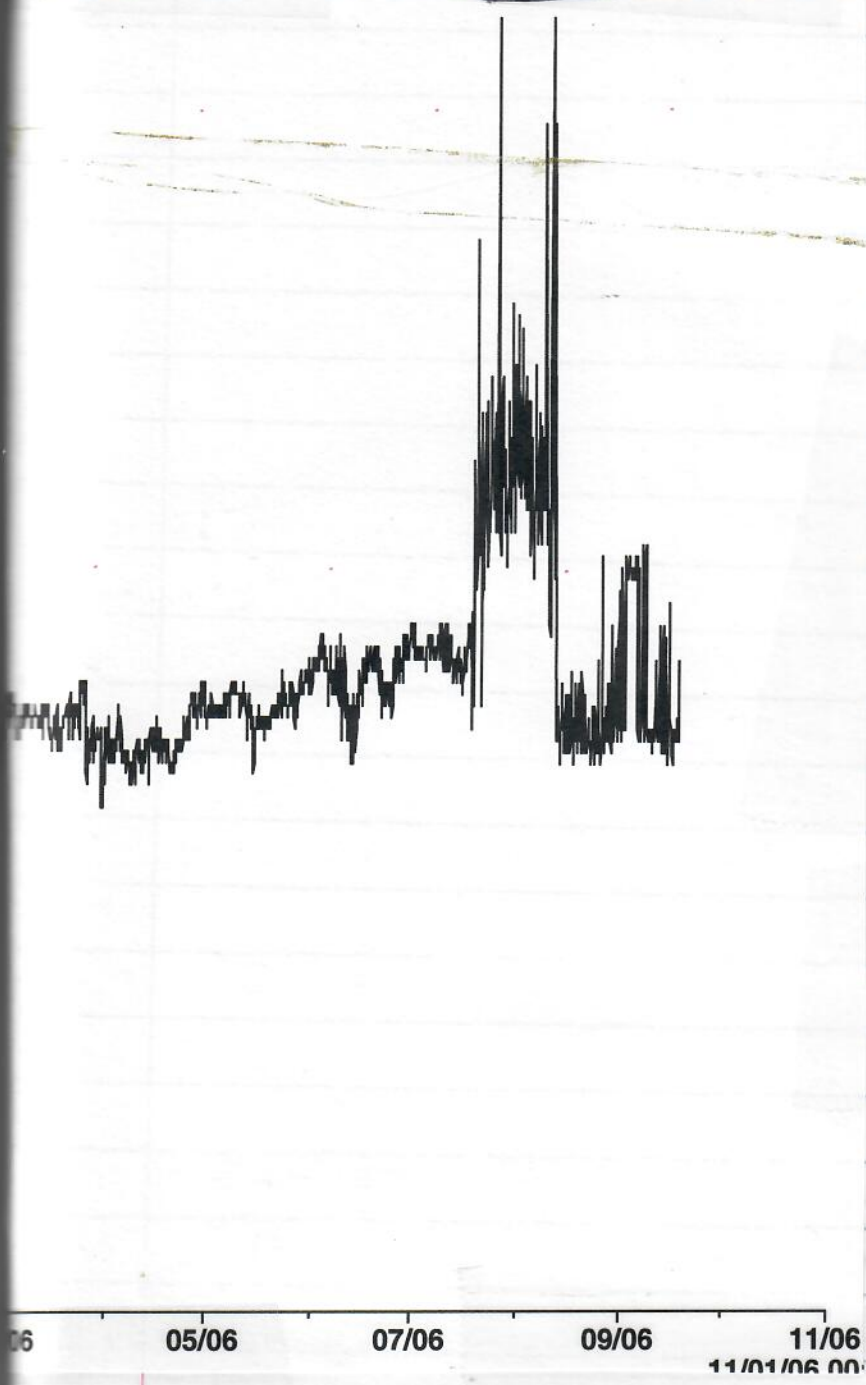
P21

SN641022 PUBennett. Honokowai, Maui (sc...



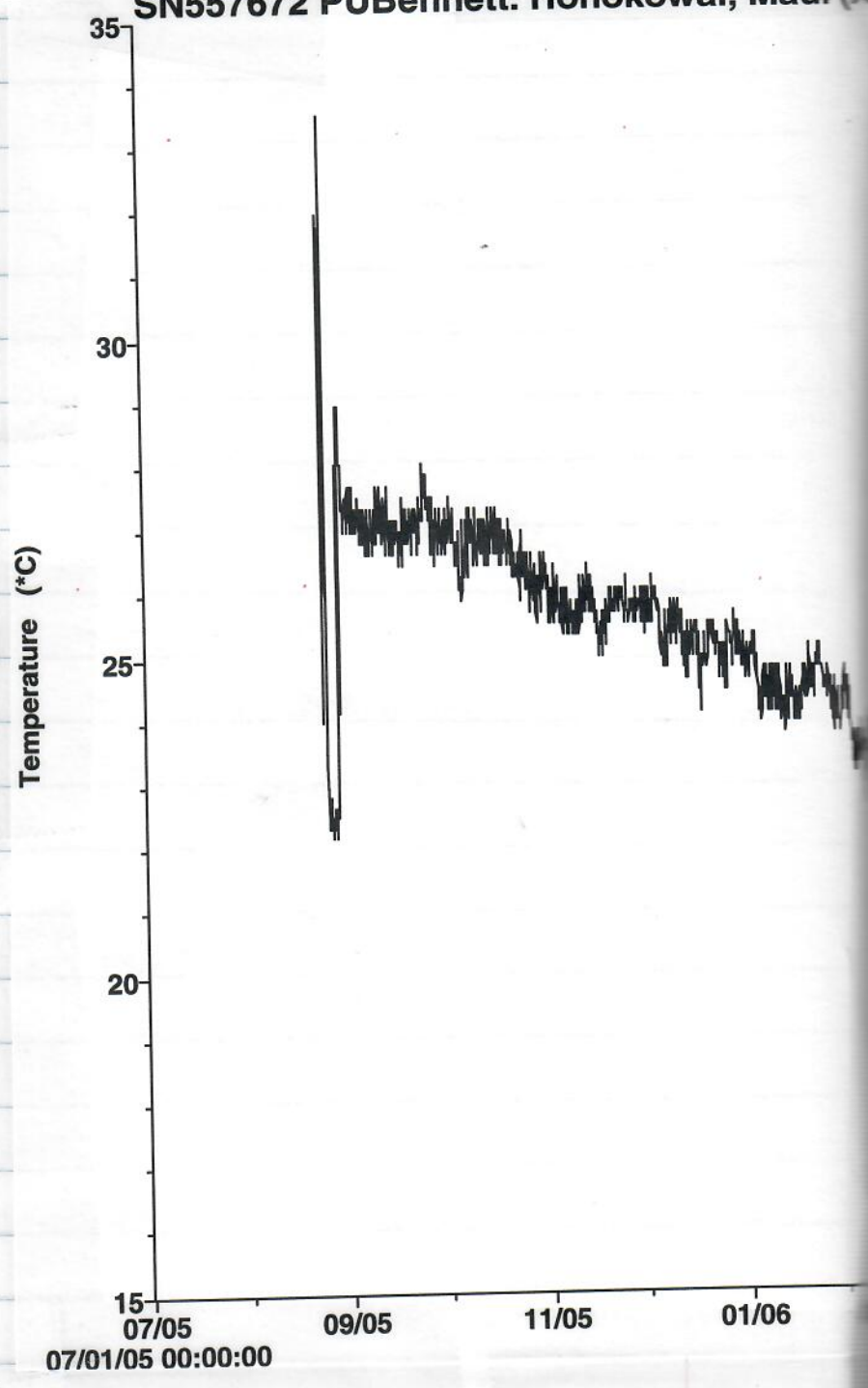
(161)

Post in Reef 1)- deployed 9/1/05, retrieved 8/06



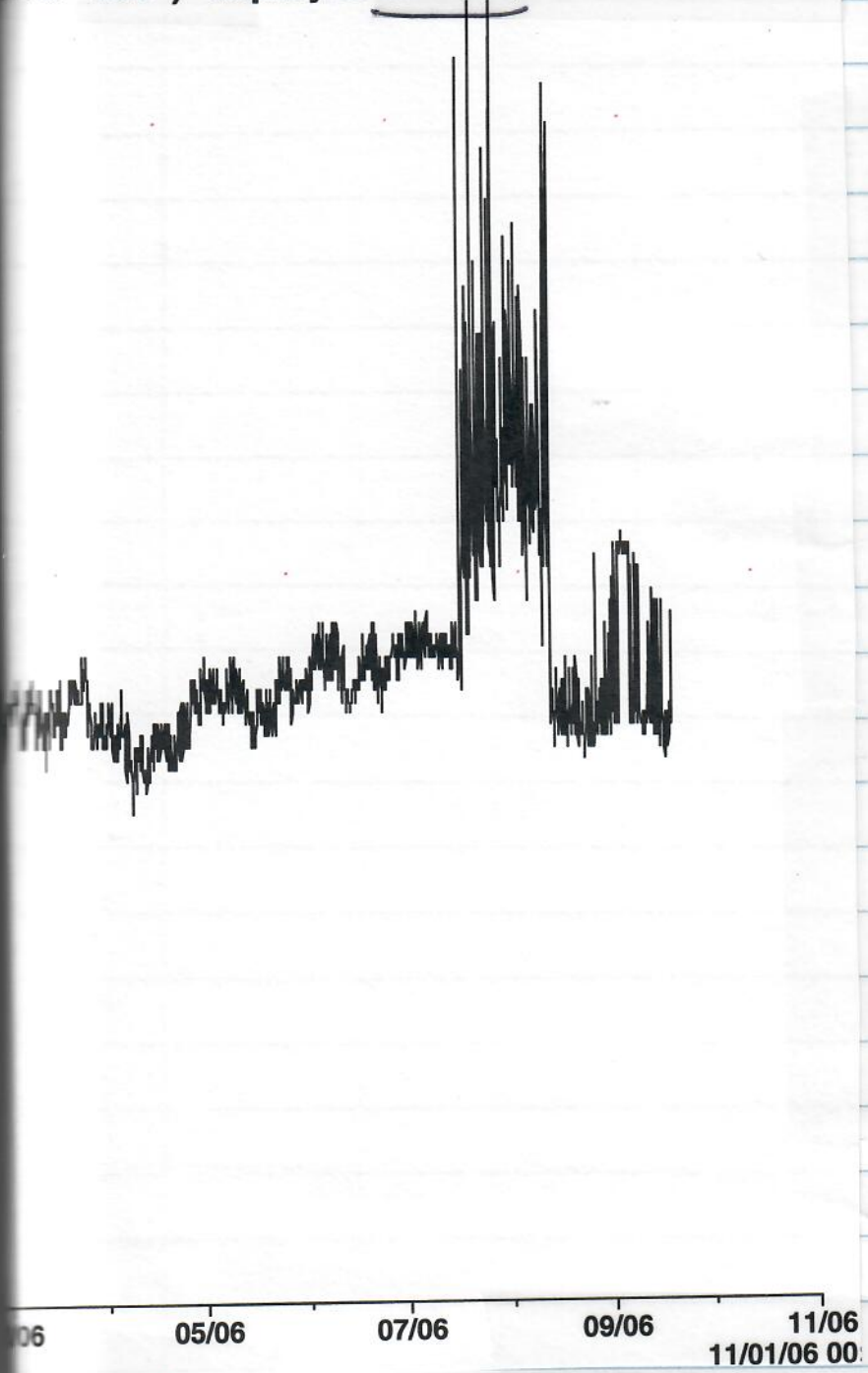
101

SN557672 PUBennett. Honokowai, Maui (A



163

Ala "Toe")- deployed 8/31/05, Retrieved 08/06



REPTILIAN PROFILE #1

Test	Value	
WBC-EST	7-9	TH
WBC COUNT	8.4	TH
HCT	38.0	%
HETEROPHILS	34	%
HETEROPHIL BANDS	0	%
NEUTROPHIL SEG	0	%
NEUTROPHIL BANDS	0	%
LYMPHOCYTES	61	%
MONOCYTES	3	%
AZUROPHIL	0	%
EOSINOPHIL	2	%
BASOPHIL	0	%
ABSOLUTE HETEROPHIL	2856	/uL
ABSOLUTE HETEROPHIL BAND	0	/uL
ABSOLUTE NEUTROPHIL SEG	0	/uL
ABSOLUTE NEUTROPHIL BAND	0	/uL
ABSOLUTE LYMPHOCYTE	5124	/uL
ABSOLUTE MONOCYTE	252	/uL
ABSOLUTE AZUROPHIL	0	/uL
ABSOLUTE EOSINOPHIL	168	/uL
ABSOLUTE BASOPHIL	0	/uL
THROMBOCYTES	ADEQUATE	
BLOOD PARASITES	NO PARASITES SEEN	
REMARKS	RBC MORPHOLOGY APPEARS NORMAL.	

OVA & PARASITES

Test
OVA & PARASITES

(165)

REPTILIAN PROFILE #1

AV

Test	Value	AV
RBC-EST	13-15	THOU
RBC COUNT	14.2	THOU
HCT	37.0	%
HETEROPHILS	26	%
HETEROPHIL BANDS	0	%
NEUTROPHIL SEG	0	%
NEUTROPHIL BANDS	0	%
LYMPHOCYTES	69	%
MONOCYTES	5	%
AZUROPHIL	0	%
EOSINOPHIL	0	%
BASOPHIL	0	%
ABSOLUTE HETEROPHIL	3692	/uL
ABSOLUTE HETEROPHIL BAND	0	/uL
ABSOLUTE NEUTROPHIL SEG	0	/uL
ABSOLUTE NEUTROPHIL BAND	0	/uL
ABSOLUTE LYMPHOCYTE	9798	/uL
ABSOLUTE MONOCYTE	710	/uL
ABSOLUTE AZUROPHIL	0	/uL
ABSOLUTE EOSINOPHIL	0	/uL
ABSOLUTE BASOPHIL	0	/uL
PLATELET/THROMBOCYTES	ADEQUATE	
BLOOD PARASITES	NO PARASITES SEEN	
REMARKS	RBC MORPHOLOGY APPEARS NORMAL.	

OVA & PARASITES

Test	Value
OVA & PARASITES	NO OVA OR PARASITES SEEN

Date: 08/06/06

ANNUAL PHYSICAL EXAMINATION

Animal Name- MOC #4 Maile

Species- Green Sea Turtle, *Chelonia mydas*

Old name @ SLP W181

YOB- 11/2003

Sex- Unkown

ID: Turtle #4 LFF YQ-82

RFF YQ-81

Quarterly Morphometric summary-

Diet- Pellets, Pellet based gel diet, lettuce and brocolli

History/ Subjective:

Bright, alert, and active with a good appetite.

Morphometrics:

Date	Weight	SCL(cm)	SCW (cm)	CCL(cm)	CCW (cm)
08/30/04	5.5 lbs	25.0 cm	20.1 cm	27.1 cm	25.0 cm
09/22/04	5.6 lbs	25.5 cm	20.6 cm	26.7 cm	24.3 cm
10/12/04	7.0 lbs	26.8 cm	21.3 cm	25.4 cm	25.6 cm
02/24/05	14.5 lbs	34.3 cm	24.5 cm	36.3 cm	32.2 cm
04/08/05	14.5 lbs	34.8 cm	27.7 cm	37.3 cm	33.0 cm
06/14/05	17.0 lbs	37.5 cm	28.7 cm	38.7 cm	34.5 cm
10/6/05	22.0 lbs	39.9 cm	30.9 cm	42.0 cm	37.5 cm
02/15/06	29.0 lbs	42.9 cm	33.4 cm	45.6 cm	40.0 cm
02/23/06	29.0 lbs	42.7 cm	32.9 cm	45.5 cm	39.8 cm
04/26/06	31.0 lbs	43.5 cm	34.1 cm	46.5 cm	40.4 cm
08/06/06	31.5 lbs	44.4 cm	35.0 cm	47.5 cm	42.0 cm

167

Date: 08/06/06

ANNUAL PHYSICAL EXAMINATION

Animal Name- MOC #4 Maile

Species- Green Sea Turtle, *Chelonia mydas*

Old name @ SLP WI81

YOB- 11/2003

Sex- Unkown

ID: Turtle #4 LFF YQ-82

RFF YQ-81

Physical examination-

3 mm puncture noted in the 1st medial scute.

CBC- Normal

Chem panel- Normal

Fecal parasite and ova testing- negative

Assessment- Apparently in good health for release.

Note only 0.5lb weight gain in 4 months.

Owner: MAUI OCEAN CNT
Patient: MAILE TUR
Species: REPTILE
Breed: CHELONIA MYDAS
Age: 3Y
Gender: Not Available

Requisition #: 08032006
Accession #: L0616818
Ordered by: LEVINE,G.

801
Date: 08/06/06

ANNUAL PHYSICAL EXAMINATION

Animal Name- Kimo MOC #7

Species- Green Sea Turtle, *Chelonia mydas*

Old name @ SLP W119

YOB- 08/02

Sex- Unkown

ID: Turtle #7 LFF YQ-35

RFF YQ-35

Diet- Pellets, Pellet based gel diet, lettuce and brocolli

Subjective: Bright, alert, and active with a good appetite.

Morphometrics:

Date	Weight	SCL(cm)	SCW (cm)	CCL(cm)	CCW (cm)
08/30/04	19 lbs	39.1 cm	33.5 cm	41.6 cm	38.1 cm
09/22/04	18 lbs	38.2 cm	32.8 cm	41.3 cm	37.3 cm
10/12/04	20 lbs	39.2 cm	33.0 cm	41.0cm	36.4 cm
02/24/05	23 lbs	40.4 cm	34.0 cm	43.9 cm	38.9 cm
04/08/05	24 lbs	41.3 cm	34.8 cm	43.6 cm	38.9 cm
06/14/05	25.5 lbs	42.0 cm	35.2 cm	44.5 cm	39.5 cm
10/06/05	27.0 lbs	43.2 cm	36.1 cm	47.0 cm	40.5 cm
02/15/06	<u>33.5 lbs</u>	45.0 cm	37.4 cm	47.0 cm	42.7 cm
02/23/06	<u>32.5 lbs</u>	45.2 cm	37.4 cm	48.6 cm	43.0 cm
04/26/06	36.5 lbs	46.2 cm	38.1 cm	48.5 cm	43.0 cm
08/02/06	33.5 lbs	46.7 cm	38.5 cm	50.0 cm	44.6 cm

Physical examination-

Extra medial scute with a mild lateral "scoliotic" deviation.

CBC- Normal

Chem panel- Elevated CK

Fecal ova and parasite check - Negative

Assessment- Congenital deformity. Three pounds weight loss in 4 months.

Based on bloodwork, feeding records, and physical examination, the animal appears healthy. The one cause for concern is the weight loss of 3 lbs in 4 months time. This is not normal for a young growing turtle in a captive care facility.

However, note that 50% of this group of turtles either did not gain or lost weight during this quarter. So this weight loss could reflect an overall decreased base food ration to the population. Note that MOC has been extremely conscious not to overfeed this group of turtles.

Kimo has currently been placed in quarantine to accurately assess appetite, behavior, and activity. An additional fecal test is currently running to recheck for gastrointestinal parasites. He is eating great and behaving normally.

MOC turtle staff has noted that he has always been an unaggressive feeder, but eats very well.

At this time, my recommendation is:

Hold Kimo back from release later this week. House him with the new turtles for 6 months to a year and closely monitor bloodwork and morphometric measurements to ensure adequate weight gain and overall good health.

Owner:	KIMO
Patient:	TURTLE 7
Species:	REPTILE
Breed:	CHELONIA MYDAS
Age:	4Y
Gender:	Not Available

Requisition #:	080206
Accession #:	L0616881
Ordered by:	LEVINE,G.

**Maui Ocean Center
GREGG LEVINE DVM**

Date: 06/27/08 Bi-Annual PHYSICAL EXAMINATION

Animal Name- Nohea MOC # 4

Species- Green Sea Turtle, *Chelonia mydas*

YOB- 2005

Sex- Unkown

ID: Turtle # 4

RFF - YQ24 (Flipper tag not present)

Subjective: Bright, alert, and active with a good appetite.

Caretakers note that Nohea is aggressively biting other turtles during feeds.

Diet- Pellet based gel diet, lettuce and brocolli

Morphometrics:

Date	Weight	SCL(cm)	SCW (cm)	CCL(cm)	CCW (cm)
July 2006	5 lbs	23.7			
8/2/06	7 lbs	26.4	20.8	28.0	24.5
9/5/06	8.5 lbs	28.7	22.8	29.7	26.5
11/18/06	13.5 lbs	32.5	26.4	34.9	30.9
12/20/06	14.5 lbs	34.3	27.8	36.7	33
2/13/07	17 lbs	36	30	39	34
6/21/07	23.5 lbs	40.4	32.8	42.8	38.2
02/14/08	38 lbs	46.8	38.0	50.2	45
6/27/08	47 lbs	50.1	39.7	52	48.5

Physical examination- Superficial bite wounds on neck.

CBC - 6/27/08 - Normal

Chemistry panel - 6/27/08 - Normal

Assessment- Apparently in good health.

Gregg Levine DVM

IDEXX VetConnect
Client: MAUI
OCEAN CNT
Patient: NOHEA
Species: REPTILE
Breed: C.MYDAS

Date: 6/27/2008
Gender:
Weight:
Age: 3Y

1-888-433-9987
Requisition #: 06/27/2008
Accession #: B6089345
Ordered by:

(171)
MARINE ANIMAL
MEDICAL
CONSULTANTS
267 SOUTH
KALAHEO AVE.
KAILUA, HI 96734
808-261-7031

Account #3589

REPTILIAN PROFILE #1 : REPTILIAN PANEL #1

Test	Result	Reference Range	Low	Normal	High
<u>ALK. PHOSPHATASE</u>	162	U/L			
<u>ALT (SGPT)</u>	2	U/L			
<u>AST (SGOT)</u>	102	U/L			
<u>CK</u>	338	U/L			
LDH	290	IU/L			
<u>ALBUMIN</u>	1.8	g/dL			
<u>TOTAL PROTEIN</u>	4.3	g/dL			
<u>GLOBULIN</u>	2.5	g/dL			
<u>CHOLESTEROL</u>	210	mg/dL			
<u>GLUCOSE</u>	62	mg/dL			
<u>CALCIUM</u>	6.8	mg/dL			
<u>PHOSPHORUS</u>	8.6	mg/dL			
<u>POTASSIUM</u>	3.7	mEq/L			
<u>SODIUM</u>	147	mEq/L			
<u>A/G RATIO</u>	0.7				
URIC ACID ¹	1.0	mg/dL			

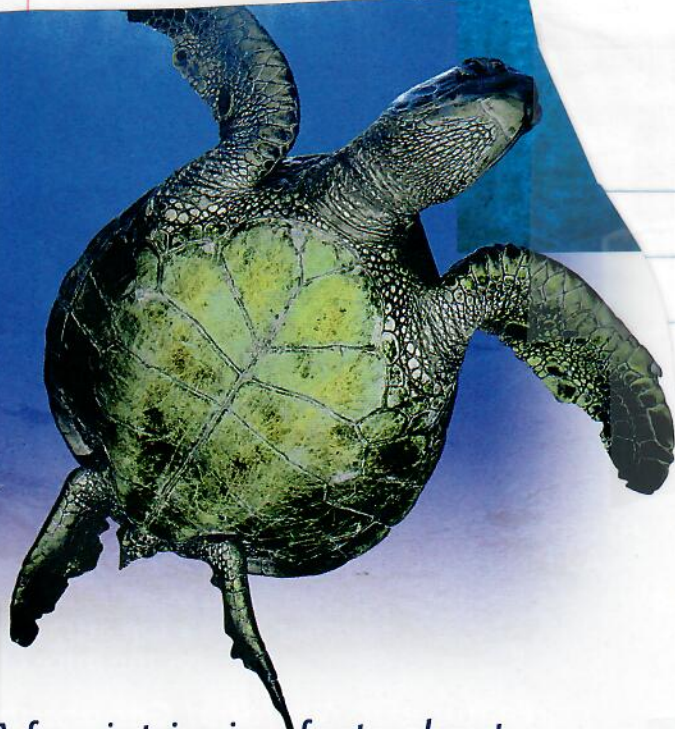
Comments:

1. RESULT VERIFIED BY REPEAT ANALYSIS

REPTILIAN PROFILE #1 : AVIAN/EXOTIC CBC AND PLASMA PROTEIN

Test	Result	Reference Range	Low	Normal	High
WBC COUNT	15.8	THOUS.			
<u>HCT</u>	35.0	%			

Photos: Jeff Kuehn



A few intriguing facts about...

Green Sea Turtles!

By Capt. Amber Hester

Welcome to Turtle Town! Did you know that seven species of marine turtles exist? Five of which can be found in the waters surrounding the Hawaiian Islands: Green (*Honu in Hawaiian*), hawksbill (*'ea*), leatherback, olive ridley, and loggerhead sea turtle. Very rarely are any of these seen near shore except for the green sea turtle and occasionally the hawksbill sea turtle. Six out of the seven species of sea turtle are endangered worldwide. The exception is the Australian flatback sea turtle.

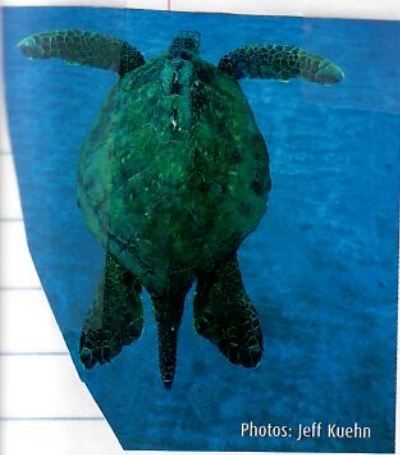
Photos: Jeff Kuehn



Let me introduce you to "Honu", the Hawaiian Green Sea Turtle. Honu is a cold-blooded, air-breathing reptile. The turtle floating on the surface (*image to the left*) is breathing and gathering the warmth of the sun on

its shell in order to warm its blood. It feels vulnerable on the surface. Snorkelers, it is important that Honu is not frightened. If you are splashing, kicking, charging, screaming toward the turtle on the surface, it certainly is not going to stick around to see what your mission is all about.

"Published by the Maui Dive Shop for Maui's Visitors"



Photos: Jeff Kuehn

Turtles are actually very agile and fast and if frightened and they will flee quickly into the ocean's depths.

Honu is an endangered species protected by federal law. This law prohibits any harassment including touching, feeding, petting, chasing, scratchin' em under the chin, kissin' em on the cheek, or worse yet... ridin' em — this might sound fun to you, but it is fatal to the turtle! If you want to get close enough to watch, then let the sea turtle surface

and give it plenty of space, about 10 feet is perfect, and you will find that the Honu will allow you to watch it and not feel threatened by your presence.

HONU FACTS!

- 1.) What do they eat? Green sea turtles primarily eat vegetation: algae and sea grass.
- 2.) How long do they live? It has been speculated that turtles have lived over 100 years of age.
- 3.) How long can they stay under water? Honu surfaces about every 20 minutes. The longest recorded breath hold for a green sea turtle is 5 hours. They have an adjustable metabolism that enables them to sleep underwater conserving the oxygen in their blood.
- 4.) How do you distinguish a land turtle from a sea turtle? Land turtles have legs and feet for walking while sea turtles have fins for swimming.
- 5.) How do you tell male from female? The male sea turtle has a tail that extends about a foot past his shell, whereas the female has a tail that barely passes her shell.
- 6.) Where does the green sea turtle nest? Far away! Honu nests in the French Frigate Shoals, about 700 miles northwest of Maui.
- 7.) How many eggs do they lay and how many survive? Approximately 80-120 eggs are laid by the female, of which, one out of 100 make it to the open ocean, and one out of 10,000 make it to adulthood.
- 8.) Why are they endangered? Marine turtles actually coexisted with dinosaurs, but are now being decimated by human activity. Sea turtles are often innocent victims that become tangled in long-line fishing tackle and gill nets. Their nesting beaches have been invaded and man-made pollution also contributes to their plight. Litter and debris, such as plastic bags and six-pack can holders have caused slow strangulation that leads to suffocation.

So remember, each individual sea turtle at Turtle Town has beaten these odds. They are survivors! Give them the respect that they deserve. It isn't every day that you float next to a friendly 300 pound reptile like Honu!

157



TURTLES

This July, six yearling sea turtles were able to do what few turtles ever get to do - fly. The six turtles selected to take up residence at Turtle Lagoon in August were born at Sea Life Park by Dolphin Discovery on Oahu, and recently made the quick flight over to Maui. They currently weigh between 4.8 and 5.6 pounds. The seven turtles currently in Turtle Lagoon are 3-4 years old and weigh between 40 and 50 pounds. They will be released off one of Pacific Whale Foundation's boats between Maui and Kaho'olawe. Pacific Whale Foundation is donating the use of their boat, and the crew is donating their time. Maui Oil Company is also donating 50 gallons of diesel for

the voyage. One or more of the turtles will be outfitted with a satellite transmitter which will allow scientists to track its movements, hopefully for several months.

Sea Life Park by Dolphin Discovery is home to a colony of adult Hawaiian Green Sea turtles which has produced from 200 to 800 hatchlings each year, all of which are released into the wild. Few of these, like the six at the Maui Ocean Center, and those kept at Sea Life Park or other collaborating institutions are released at a later age to provide an educational opportunity for those that visit these institutions.

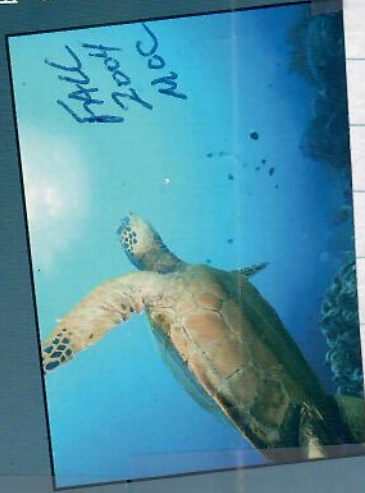


TURTLE MANIA

...continued from page 1

One of our turtles, Nakine, was released in March 2003 with a satellite transmitter attached to its shell (at the time of release, Nakine was too young to determine gender). Nakine was tracked swimming south of the southern most point of the Big Island of Hawaii and up to the North Shore of Oahu, where the transmitter continued to send signals from for several months. One of the turtles to


be released in October will be outfitted with a satellite transmitter as well, its progress will be announced in upcoming newsletters



algae brought from the ocean, to prepare them for life in the ocean.

Juvenile green sea turtles, living in the deep ocean and drifting with the ocean's currents, feed on sea jellies, small fish and other sources of protein. As adults, when they move into shallower waters, they feed on the abundant algae and sea grasses found close to shore. In fact, honu eat so much algae that their fat layer actually turns green!

112



how the turtles will do in the wild, since they have been in captivity all their lives. Education Director Jonathan Hultquist replies, "Turtles born and raised in captivity will rely on their instincts to survive after being released, just like wild sea turtles. Once a female sea turtle lays her eggs, she offers no parental care for her young. Once hatched, the new hatchlings will crawl across the sandy beach from their nest to the sea. After four or five years at sea feeding on plankton like jellyfish, the young sea turtles will return to the shallow water coast and feed on algae. Similarly, sea turtles bred in captivity will instinctively return to shallow water environments to live, as we have seen with Nakine." In addition, months before they were released, their diet was changed to an exclusively vegetarian diet, including

Green sea turtles are currently listed as 'threatened' under the Endangered Species Act. The goal of Sea Life Park's Educational Loan Program is to educate the public about the plight of the sea turtles, what steps are being done to protect them, and what we can all do to help the turtles' populations recover. While the program is not a 'repopulation' program, growing healthy sea turtles to a size that would limit predation, the released turtles are much more likely to survive in the ocean than those hatched in the wild.

We are proud to be a part of the Educational Loan Program, to see how the little honu leave such a big impression on the aquarium's guests, to be able to follow them on their journeys with the help of technology, and to be a part of the bittersweet moment to see the young honu take their first few strokes into the deep blue.

CREATURE FEATURE - HAWAII'S SEA TURTLES

Hawksbill sea turtles hatch from eggs about the size of ping pong balls.



Photo Courtesy: Alastair Hebard

Of the seven species of sea turtle in the world, five are found in Hawaii. The green sea turtle, hawksbill and leatherback are considered native to Hawaii and the loggerhead and olive Ridley's are rare visitors. All sea turtles are protected under the Endangered Species Act.

Green sea turtles, known as honu in Hawaiian, are the largest hard-shelled sea turtle in the world, and the most common sea turtle in Hawaii. As adults, honu mainly eat algae and sea grasses, which turn their fat layer green, giving them their common name. Almost all

honu nest in the Northwestern Hawaiian Islands.

Hawksbill turtles were once known for their beautiful thick shells, which were used to create jewelry, tools and decorative items by Native Hawaiians and around the world. This led to the steep decline of hawksbills, known as 'ea in Hawaiian, and their listing as 'critically endangered'. In Hawaii, most 'ea nest in the main Hawaiian Islands, generally Maui and the Big Island.

The world's largest sea turtle, the leatherback, is also the only one that does not have a hard shell.

Instead, it has a thick, leathery skin with seven ridges that run from head to tail. These carnivorous turtles are rarely seen offshore in Hawaii.

Olive Ridley's are the most abundant sea turtle in the world, but they are infrequently spotted in Hawaii. They are also the world's smallest species, with slightly heart shaped backs.

Loggerhead turtles are named for their large, wide heads. They grow to about 3 feet long and weigh between 170-300 pounds. In the Pacific, loggerheads nest in Japan and Australia, but they are also rarely seen in Hawaiian waters.

Hawksbill hatchlings make the long and perilous journey from their sandy nest to the water's edge.

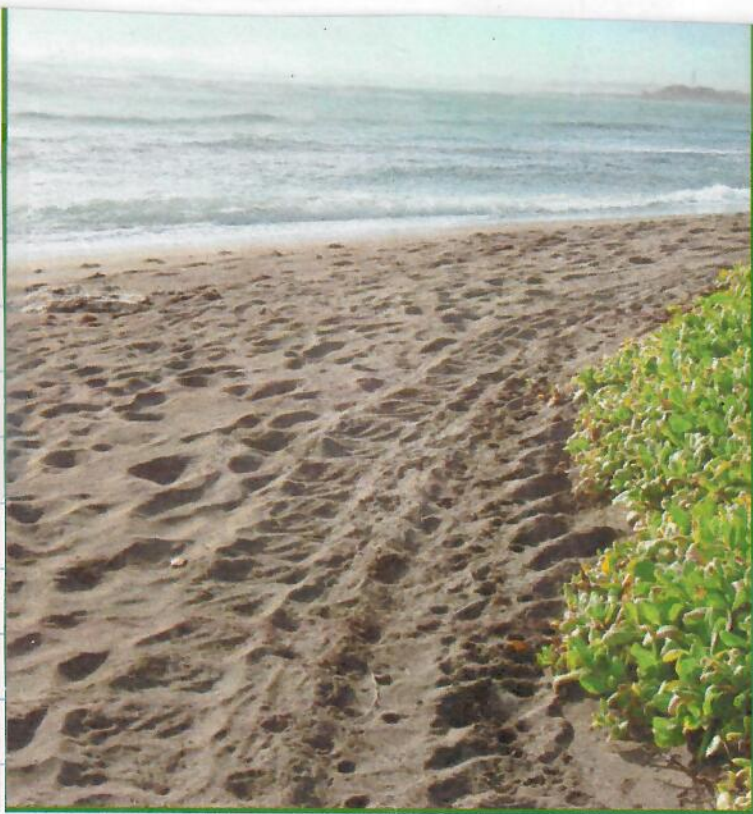


Photo Courtesy: Alastair Hebard

Green Turtle Nest(s) at Waihee, Maui, 2004

179





After each major emergence of hatchlings, the nests were carefully excavated to rescue any trapped hatchlings still left in the nest. A total of 61 live hatchlings were unburied from these 4 nests. Each nest contained an average of 97 eggs (ranging from 92 to 101). Overall, the nests yielded 365 live hatchlings out of 386 eggs, a 95% success!



To volunteer with HWF, please contact Cheryl King

181

2007 Honu Nesting Season Waiehu, Maui

Thanks to a phone call to Maui's Turtle Stranding Program about a nesting turtle, this "new to us" nesting beach was discovered!

Four nests were laid by presumably the same female green turtle (~14 days apart) from June to July. After nearly 2 months of incubation, each nest hatched successfully from August to September. During nest watch campouts, Hawai'i Wildlife Fund volunteers were lucky enough to see many of these tiny hatchlings, and ensured that they crawled to the ocean safely.



Manalo nui loa to the Waiehu community and all of the volunteers that made this such a fun and productive season!

Hope to see you all next year!



: shezking@yahoo.com or visit www.wildhawaii.org.

181



60... To Life!

Sherry Remez

John L. Wilson III, Age 67

'Do good things. It always comes back to you.'

The glorious melodies of birds accompanied a conversation with John Wilson, entrepreneur, underwater documentary filmmaker, chef, ecologist, craftsman, artist, volunteer court mediator and ad hoc handyman for neighbors and friends.

We were outside his Kula home drinking chilled vitamin water, seated on the deck he built overlooking a wide gorge. At age 67, Wilson believes that he is only just peaking in his potential. He credits the Navy for giving him the confidence to try whatever interests him. He expects to live productively 'til 130.

Raised on the Atlantic shore in New Jersey, John loved the ocean and spent most of his summers in it. The son of a mortician ("business was dead," he cracked, a long-standing joke), he lost his mother at age seven and helped raise his four siblings. He enlisted in the Navy as soon as he could after high school and saw the world. His specialty was diver-photographer and parachutist.

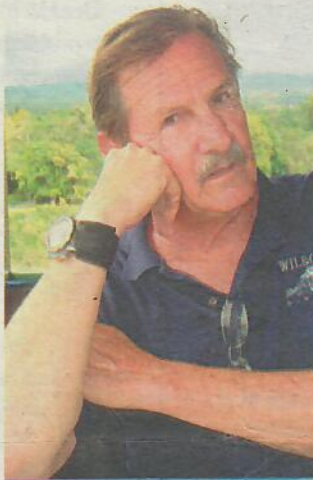
Before volunteering to go to Vietnam in 1964, John had travelled the Mediterranean, Gibraltar, France, Turkey and Greece. Traveling got him interested in cooking. His buddies went out to bars, but John frequented local eateries, made friends with the owners, and got invited into their kitchens.

all. Now John works for himself.

In 1994, through a tragic series of events, John lost his wife of 10 years. Fighting for justice with insurance companies and paying off lawyers was a financial wipeout. He says he lost everything and struggled with life for a good-bit of time, eventually moving to the Mainland.

But he came back to Maui after a few years, drawn, perhaps, because of his spiritual connection with the creatures in the sea. "If I can drop down to 60 feet and listen to the whales..." it is his daily church-going, he said.

John has had ocean pets, even an eel, which he filmed.



At age 67, John Wilson believes he is just now peaking in his potential.

"Turtles used to follow me all around O'ahu. Word got out and that's how I got involved with Olivia Newton John, who was developing a wildlife series in Australia. We filmed the rescue of a turtle with a fishhook in its shoulder. He has recently returned from filming tiger sharks in Fiji."

John champions the Hawaiian green sea turtle, the honu, an endangered species. This gentle giant is at the perilous effect of people, speedboats, plastic bags

and fishnets and other detritus unconsciously tossed into the sea.

He passionately created an educational

When he and his late wife, Betty, built The Pelican restaurant on O'ahu's North Shore in the early '90s, John had been doing underwater still photography for 27 years. He pondered, "How can you get your material out in front of the public?" At that time, you needed to be wealthy to have your own production studio. He improvised by putting a ten-foot screen in the restaurant's dining room. Employing numerous projectors, he created a multimedia slideshow using still photos with dissolves and music. These were very well received. Added to the mix were shows created from seasonal polo matches held O'ahu, which drew in the players. John left the restaurant business two years later, still wanting to do video. By then it was more affordable for the average person.

"I saw an ad in the paper for a dive operation about to open in Honolulu, and did a little research and saw that they had spent all their money on equipment, the boat rental and office. There was no money left for advertising. I got a bright idea: I could build a portable lab on their boat, film their dives, produce a video right there onboard and hand customers their copy right when they walk off the boat."

He approached the dive company with his proposal to add a promotional feature about their business within each video he made and give them a percentage of his sales. Essentially, he was working for them *and* paying them! They took the bait and the advertising promotion paid off for

documentary geared for children's understanding, and anticipates that it will find a venue on incoming flights to the islands. "You don't know what the honu have to put up with out there," he told me his voice filled with emotion. "When I came here to Maui, I realized the kids in these schools never get their faces wet in the water. Some have no idea what is in the ocean. I did free volunteer work taking films to schools to show kids and get them interested. They are the future of the ecology side. Kids go home and teach their parents."

John contemplates his Navy buddies, who he sees every couple of years at a reunion. "They haven't kept in shape and it seems like every week I get a 'Signal Charlie'" [meaning someone has passed on]. "I could go tomorrow," he acknowledges. "Death is a sabbatical."

Wilson is inspired to keep creating. He has begun making documentaries of artists living here on Maui. "I am just thrilled to be where I am, to be able to offer whatever talent I have to whatever good purpose. And I now have a wonderful partner in my life who is amazing."

He intends to keep mentally active and physically fit, and to "do good things. It always comes back to you."

Email the author at sixtytolife@hawaii.rr.com, or write to Sherry Remez, Box 1171, Kula, HI, 96790.

Be Well & Enjoy Life to the Fullest!

From the Heart,
Sherry ✨

The Maui New

Maui's Newspaper Since 1900

MONDAY, July 7, 2008

THREE - FLIPPER TURTLE A SURVIVOR

This one is putting a real accent on surviving. Just having that missing flipper. It goes about doing everything as is.

— Bo Blinski
who came across turtle
with three flippers

By **MELISSA TANJI**
Staff Writer

It's missing a flipper, but he (or perhaps she) makes up for it in heart.

A young green sea turtle, with only three flippers, has inspired Kihei ocean enthusiast Bo Blinski with its energy and its ability to overcome obstacles.

Blinski spotted the turtle he nicknamed Survivor about a year ago, as he was snorkeling in waters off South Maui.

Since then, he has watched the animal swim, frolic and eat, all without apparent problems, although being a member of a threatened species is a handicap to begin with.

"He or she holds its own. . . It's amazing," he said.

Blinski, a research volunteer for the Marine Turtle Research program on Oahu, said he's seen some turtles with only partial flippers but not one like this.

Researcher George Balazs, who heads the program on Oahu, said a turtle with three flippers is not uncommon.



See **THREE FLIPPER** on Page A4

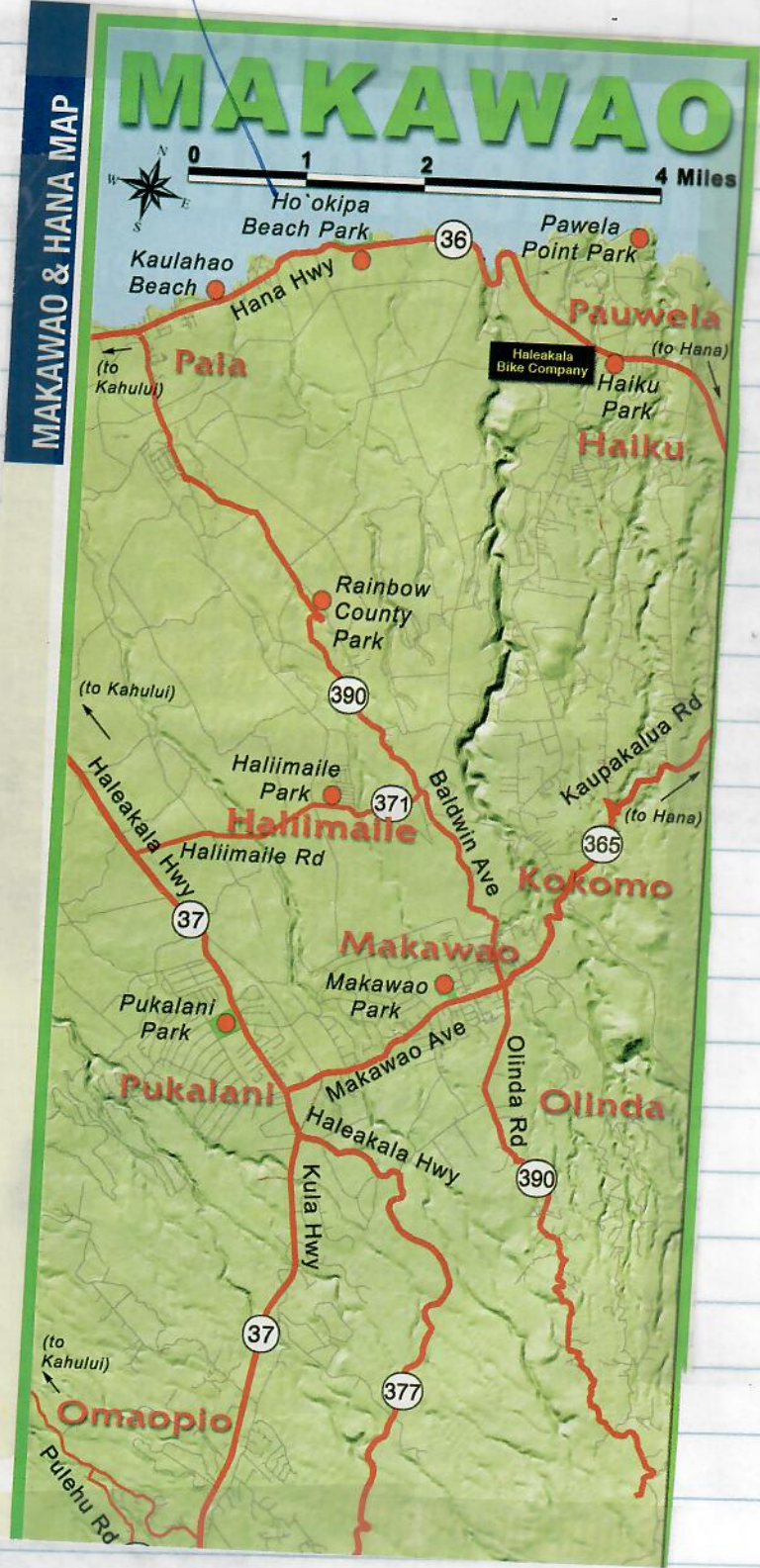
S

50 CENT

Ocean enthusiast Bo Blinski took photographs of a green sea turtle he's nicknamed Survivor. He said the turtle, with only three flippers, can swim and eat normally. He said he spots the turtle often while he's snorkeling in South Maui.

BO BLINSKI
photo

MAKAWAO & HANA MAP



281

Three flipper

Continued from Page A1

"I wouldn't say it's not a rarity, (but) it's not an everyday occurrence."

Balazs said turtles could lose their flippers from shark attacks and even from becoming entangled in monofilament fishing lines.

Recently, a turtle from Oahu, which is being monitored with a tracking device, lost one of its front flippers, apparently from a shark attack. Still, it has reportedly laid its eggs at French Frigate Shoals in the Northwestern Hawaiian Islands.

Blinski said he hopes that Survivor's missing flipper is from birth rather than being a victim of a shark or a speeding boat.

The green sea turtles, or honu in Hawaiian, are listed as threatened.

According to the Humane Society of the United States' Web site, the green sea turtles were once found in the millions, but it is estimated that there are fewer than 200,000 nesting females worldwide. In Hawaii, it is illegal to hunt, injure, harass or capture sea turtles without a license. Besides human threats, the turtles are threatened by fibropapilloma, a contagious illness. The virus does not kill directly, but sometimes the tumors it causes can cause death by inhibiting life-sustaining activities.

The Pacific green turtle primarily nests in the French Frigate Shoals. Green sea turtles nest every two to three years and spend the years between nesting seasons preparing for their long trip from foraging to nesting grounds, which may be more than 1,000 miles apart, according to the Humane Society Web site.

Balazs said not having a flipper is not a death sentence for a turtle, but it could impact a male turtle more than a female.

He said the male turtle may not be a successful breeder as it needs at least both front flippers to hug the female on the back in order to mate.

"That's kind of bad news if you are a boy turtle," said Balazs, who heads the Marine Turtle Research program for the National Oceanic and Atmospheric Administration, National Marine Fisheries Serv-

ice, Pacific Islands Fisheries Science Center.

Humans cannot distinguish the boy turtles from the girls, at least when they are young.

For females, not having a hind flipper may increase the time she takes to dig her nest in the sand, as the hind flippers are used to reach down into the sand, Balazs said.

But overall, a turtle with three flippers will survive and will be able to swim like it had a full set of flippers.

Balazs said normally if the turtle were to stroke with only its one front flipper, the turtle would swim in a circle.

But he observed that the turtle would use the hind flipper on the same side as the missing front flipper and do a "flutter kick," or up and down motion, to make up for the missing flipper.

Blinski said he's not sure the sex of Survivor but says he or she is a younger turtle, maybe around 12 years old, judging from the size of its shell, which is about 14 inches long.

Blinski said he's seen older turtles with 40-inch-long shells.

Green sea turtles on the average measure 36 to 40 inches in length and weigh 300 pounds. Reproduction starts at around age 20 to 30 years. The turtles eat sea grasses and algae.

Blinski, who has been snorkeling for 18 years, said he has

developed an affinity for the honu, who swim right up to him.

"They know me, they like me, I'm friends with them," he said.

Blinski has documented his encounters and shared them with Balazs. Blinski said Balazs doesn't know why the turtles are attached to him.

"Survivor has come to me. I have some amazing pictures of her," he said.

Blinski, a sports professional at the Grand Wailea Resort Hotel & Spa and life coach, said he does not touch or feed the animals.

"I leave them alone. I let the turtle make what choice they are making," he said.

Over the years, Blinski said he's seen thousands of turtles, some more than once. He recognizes them by their shells or their particular actions.

In the past, Blinski assisted a turtle suffering from flatulence.

Blinski said he gave the three-flipper turtle the name Survivor, not only for its perseverance, but as a testament to the turtle species, which has been living in the oceans for millions of years.

"This one is putting a real accent on surviving," he said. "Just having that missing flipper. It goes about doing everything as is."

■ Melissa Tanji can be reached at mtanji@mauinews.com.

Sea Turtle Viewing 'Code of Conduct'

- Observe turtles from a distance.
- Bring binoculars along on viewing excursions to ensure a good view from the recommended viewing distances.
- Do not attempt to touch, ride or feed turtles.
- Limit your time observing an animal to a half hour.
- Sea turtles should not be encircled or trapped between boats or shore.
- If approached by a turtle while on a boat, put the engine in neutral and allow the animal to pass. Boat movement should be from the rear of the animal.

Source: NOAA National Marine Fisheries Service, NOAA National Marine Sanctuaries and the state Department of Land and Natural Resources.

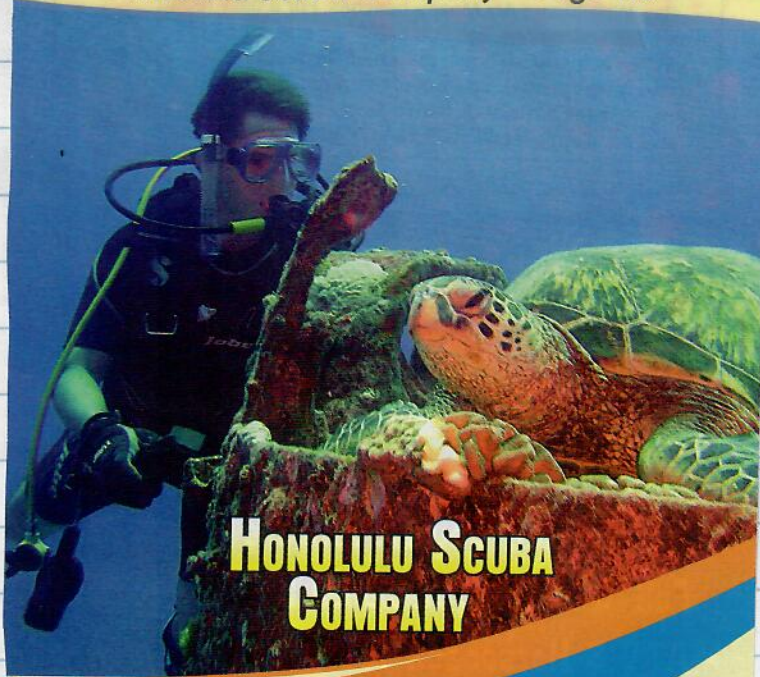
To report sea turtle strandings (remember, turtles may be only basking in the sun):

Kihei area, Maalaea to Makena — call pager: 278-3775; office, 879-2818.

All other Maui areas — call pager: 893-3172 (first) or 893-3050 (second), office 984-3203

To report sea turtle law enforcement issues call: (800) 853-1964.

Honolulu Scuba Company » Page 110



HONOLULU SCUBA COMPANY

Spotlight's O'AHU GOLD MAGAZINE

185



THE MAUI NEWS - Friday, August 11, 2006 - A3

Maui Ocean Center photos

Jim Luecke (top photo), the Maui Ocean Center's assistant curator, carries one of seven turtles to be released into the wild in waters off South Maui. "Kimo," also known as turtle No. 7 (bottom photo), swims in waters off of South Maui on Thursday. He has been outfitted with a small radio transmitter to transmit the turtle's location in the ocean.

Full- & Half-Day Adventure Tours

Full- & Half-Day Hawaiian Experience Tours

ATV & Horseback Tours and Much More!

Seven green sea honu freed

Six yearlings move into Maui Ocean Center on Saturday

By **HARRY EAGAR**
Staff Writer

MAALAEA — It must come as a shock. For two years, you laze around in the sun on Maui, with cheerful young people bringing you pupu throughout the day. No job, no alarm clock, not a care in the world.

Suddenly, Thursday morning, strong arms grab you, throw a towel over your head and without a word of explanation, hustle you onto a boat, charge off who knows where and . . . throw you in the ocean!

What's that about?

It was the Maui Ocean-Center's biennial green sea turtle release. Seven juvenile honu born at Sea Life Park on Oahu and raised on off South Maui.

Liz Smith, director of public relations for Maui Ocean Center, describes it as a "bittersweet experience" for the aquarium's employees and volunteers, who have spent almost two years feeding, cleaning and just enjoying the turtles. For the honu, the word would probably be "dramatic."

Stocking aquarium-raised turtles into the wild is one way to help build up the population of the animal, which is threatened, though not listed as endangered, in the Hawaiian Islands.

Before the turtles went over the side of the Pacific Whale Foundation's donated boat, George Balazs of the National Marine Fisheries Service fitted two of them, named Maile and Kimo, with small radio transmitters, which will use global positioning system technology to transmit their locations to a satellite overhead each time they rise to breathe, which also puts the antenna above water.

The radios prove that at least some of the honu do just fine on their own. In 2003, a young turtle named Nakine was tracked to the North Shore of Oahu before the batteries wore out.

Now that the Class of 2006 has left Maui, the Turtle Lagoon at Maui Ocean Center will be cleaned and refurbished. Six yearlings, about 5 pounds each, will be moved in Saturday.

Over the next two years or so, they are expected to grow to about 30 pounds on a menu of green stuff, including algae gathered from the sea to accustom them to an adult sea turtle diet.

Juvenile green sea turtles spend time in the deep ocean, drifting with the currents, and eating sea jellies, small fish and other sources of protein. As adults they move into shallower waters and feed on limu and sea grass.

The satellite trackers are too expensive to put on all the turtles, but all seven had numbers, 1 through 7, incised in their shells and marked with white refrigerator paint. Anyone spotting a numbered turtle is asked to relay information about the time and location to the Maui Ocean Center.

Sea Life Park is home to a colony of adult green sea turtles who lay from 200 to 800 eggs each year. Most hatchlings are soon released into the ocean, but a few are kept longer to provide an educational opportunity through the Hawaii Green Sea Turtle Educational Loan Program.

Approved facilities permitted by the National Marine Fisheries Service to display turtles are Maui Ocean Center, Sea Life Park, Dolphin Quest Oahu at the Kahala Mandarin Oriental Resort and the Mauna Lani Resort on the Big Island.

For Thursday's release, Maui Ocean Center workers and a volunteer Pacific Whale Foundation crew (with 50 gallons of diesel fuel donated by Maui Oil Co.) rose before dawn to prepare the turtles, assist Balazs in giving them a health checkup and wave them a fond farewell.

■ *Harry Eagar can be reached at heagar@mauinews.com.*

189

981



World" for the last ten years by the savvy readers of Condé Nast Traveler. And, many Mauians and visitors alike have voted Trilogy as the Island's #1 activity (Maui's Top 10). It's a match made in heaven... or at least in a heavenly setting! Trilogy has some of the newest high-tech sailing catamarans in Hawaii - just what you would expect from a company that was also voted the state of Hawaii's Tour and Activity Vender of the Year! (1999).

Whether it's sailing, snorkeling, scuba diving, whale watching, kayaking, or sunset sailing, Trilogy proudly sets the standard in doing what it does best. Trilogy has earned its reputation with its own unique style of personalized service and uncompromising attention to detail. No wonder MSN.com and City Search gave Trilogy a perfect 10! (2003). So, don't settle for anything less than the very best - call Trilogy today.

TRILOGY

MAUI **30** LANAI
YEARS




Island Adventures - Island Hospitality

Call Toll Free Today:

1-800-344-9154



Trilogy offers daily trips to Lana'i, Molokini, and Kaanapali.



Hannah Bernard
President
wild@aloha.net
(808) 280-8124
Hawai'i Wildlife Fund

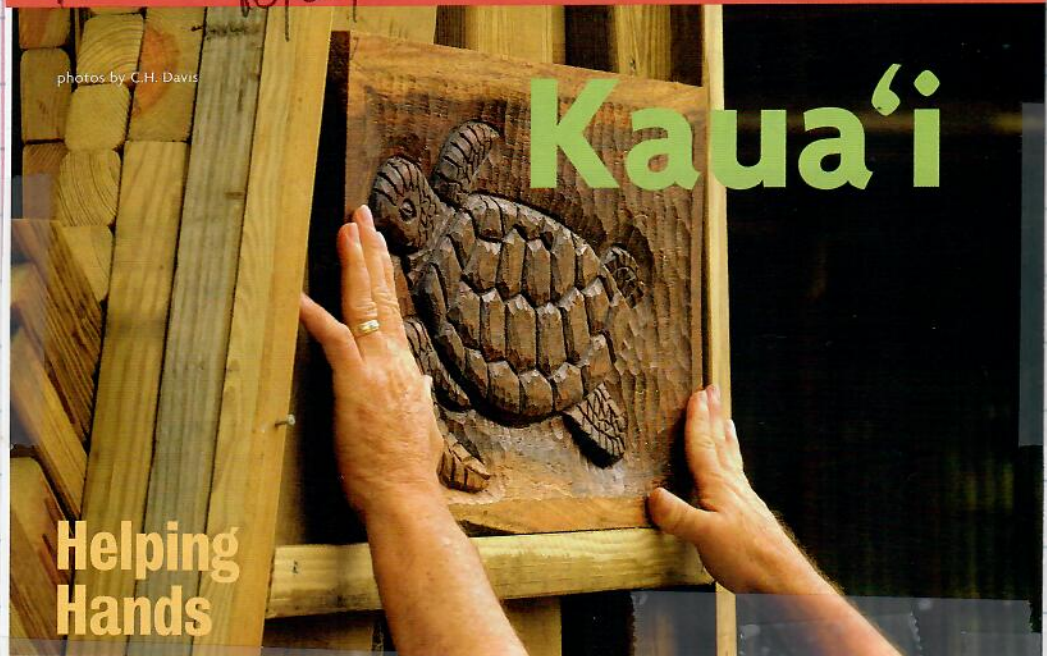
191

Hudson Way
10/04

Best of the Islands

photos by C.H. Davis

Kaua'i



Helping Hands

The Friends of Kamalani and Lydgate Park have a big vision:

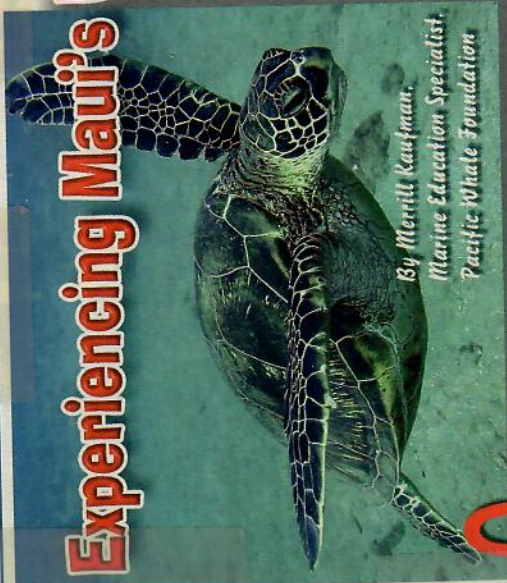


Cheryl King
 Hawksbill Recovery Project Coordinator
 MauiHawksbills@gmail.com
 (808) 385-5464
 Hawai'i Wildlife Fund

Turtle nesting season is May - December.
 If you find hatchlings or what resembles ~3 ft wide tire tracks between the ocean and dunes, please report them right away.



Experiencing Maui's Unique Ocean Environment



By Merrill Kauffman,
Marine Education Specialist,
Pacific Whale Foundation

Copyright ©1998 Pacific Whale Foundation

One of the best parts of visiting Maui is being surrounded by a unique and fascinating ocean environment. Be sure to allow time to explore this intriguing natural world.

The u-shaped little island that you see from Maui's south shores is Molokini Crater, a renowned spot for snorkeling and diving. Above land, Molokini Crater is a seabird sanctuary, while the reef within Molokini is a marine life conservation district.

According to the experts at Pacific Whale Foundation, Molokini is home to more than 200 species of fish. As you snorkel or dive, look for the milletseed, butterfly fish,

Hawaiian cleaner wrasse and Hawaiian puffer fish, all living examples of how Hawaii's geographic isolation has resulted in a large number of species that are endemic—found nowhere else on Earth.

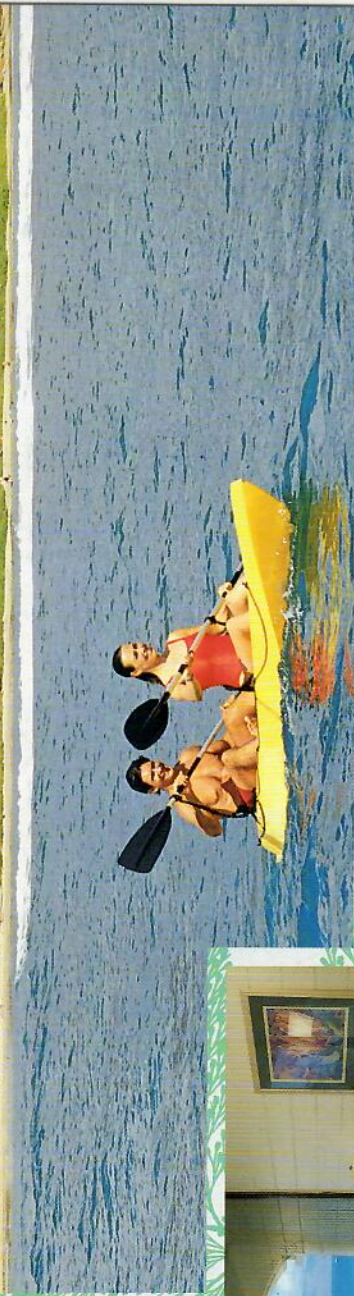
If you encounter a sea turtle while snorkeling, it's likely to be a green turtle (*Honu* in Hawaiian). These giant herbivores must surface to breathe, so stay back 20 feet or more to give them room to maneuver.

What are those silver flashes on the water surface? It could very well be sunlight reflecting off a pod of spinner dolphins. The slender, graceful animals rest, socialize and play in groups along the coastline during the day and are named for their acrobatic pirouettes above the sea.

Hawaii's other resident toothed whales and dolphins include bottlenose and pantropical spotted dolphins, and false-killer and short-finned pilot whales. While humpback whales, which are baleen whales, are found in Hawaii only during the winter, these toothed whales and dolphins are found here year-round.

Free color guides about Hawaii's marine life can be picked up at the foundation's Ocean Discovery Stores, at 143 Dickenson St. in Lahaina or at The Harbor Shops at Maalaea (next to the Maui Ocean Center). You can also download the guides at www.pacificwhale.org. For additional information, call 249-8811.

193



LAHAINA SHORES

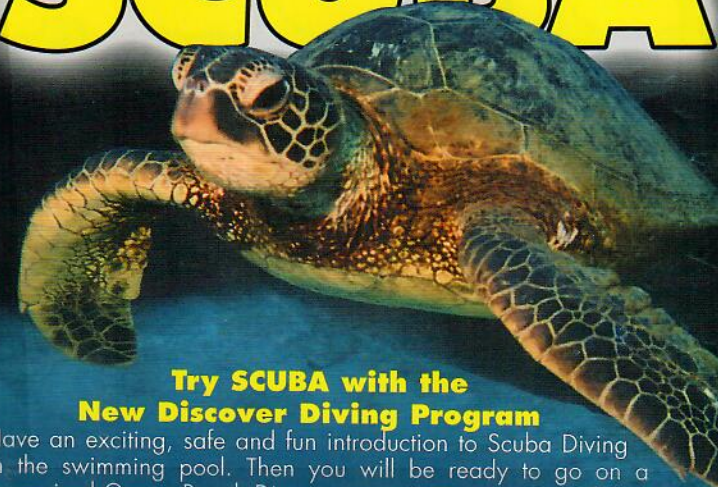
Beach Resort
MAUI



662-0075

EPI

ISLAND SCUBA



**Try SCUBA with the
New Discover Diving Program**

Have an exciting, safe and fun introduction to Scuba Diving in the swimming pool. Then you will be ready to go on a supervised Ocean Beach Dive, no experience necessary. Space is

LAHAINA, SHALAE BEACH RESORT MAUI
Special rates available for groups. Additional rooms, Tables, Kitchens, and full bar available for the day. Reservations only on Maui.



Turtle Town: The jewel of Makena — is this unique turtle habitat! There are many areas where turtles live and congregate around Maui, but this one is the most famous, by far. Appropriately named “Turtle Town,” snorkel charters have been taking passengers to this famous location for over 15

years. I too agree that there is no better spot to see the Hawaiian Green Sea Turtle than right here. Also, something not to be missed, are the underwater arches of lava.

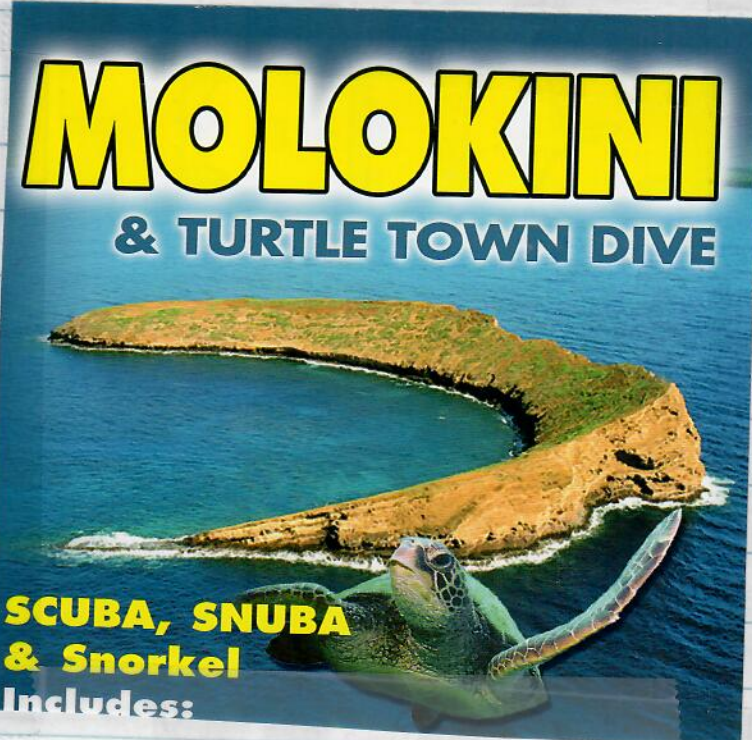
“Published by the Maui Dive Shop for Maui’s Visitors”

27

195

MOLOKINI

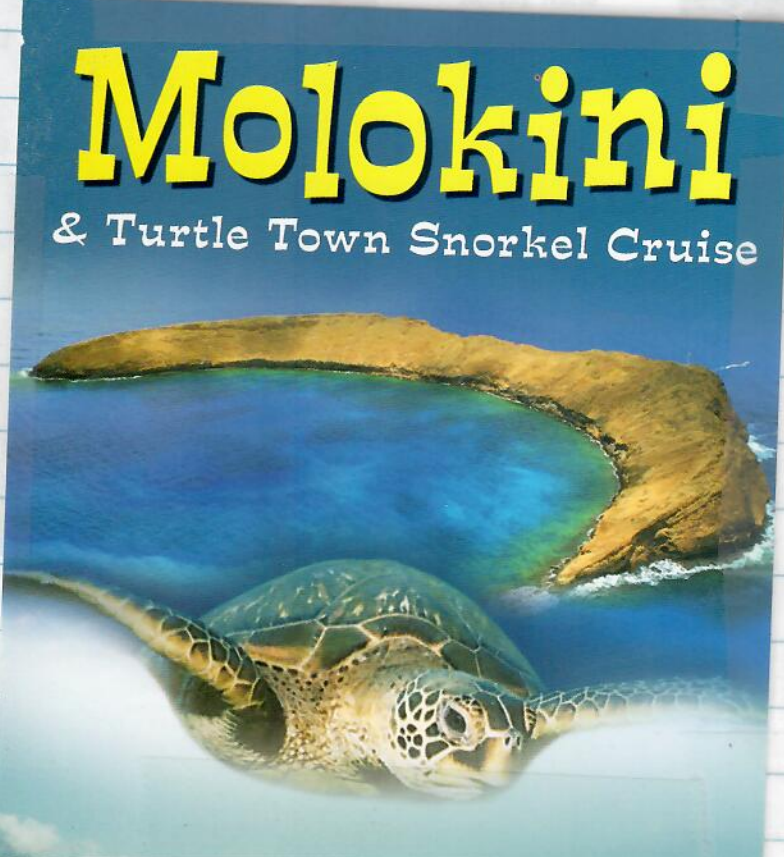
& TURTLE TOWN DIVE



**SCUBA, SNUBA
& Snorkel**
Includes:

Molokini

& Turtle Town Snorkel Cruise



FOR INFORMATION &
RESERVATIONS CALL:
662-0075

199

Be on the lookout for turtles!

SOUTH MAUI-The endangered Hawaiian hawksbill sea turtle has been seen on Maui's south shores and authorities continue to ask the public to be vigilant. "The months of May through September are generally the nesting period for the endangered hawksbill. Working with the National Marine Fisheries and our volunteers, we monitor the beaches of south Maui where the turtles are known to nest. Volunteers make up our 'dawn patrol,' walking the beaches in the early morning from June to September," says Glynnis Nakai of the U.S. Fish & Wildlife. "Tracks usually indicate a nesting area, which we record and keep watch over."



©PACIFIC WHALE FOUNDATION

Nakai says that hatchlings make their appearance after 55 days, usually coming to the surface in the evening because it's cooler. Unfortunately, they're drawn to the lights and head away from the ocean; that's when the volunteers lend a helping hand, turning them in the right direction.

A wooden fence that runs along Kealia Beach (Map F:E3) is maintained by the U.S. Fish & Wildlife and National Marine Fisheries, but has been vandalized in past years. "The fence has helped to restore the sand dunes and also prevents turtles from crossing the road. Openings facilitate pedestrian access, so we ask the public to help us maintain the fence in that respect."

If you spot a turtle on the beach, keep your distance and help by calling the U.S. Fish & Wildlife so they can keep tabs on this endangered species, 875-1582.

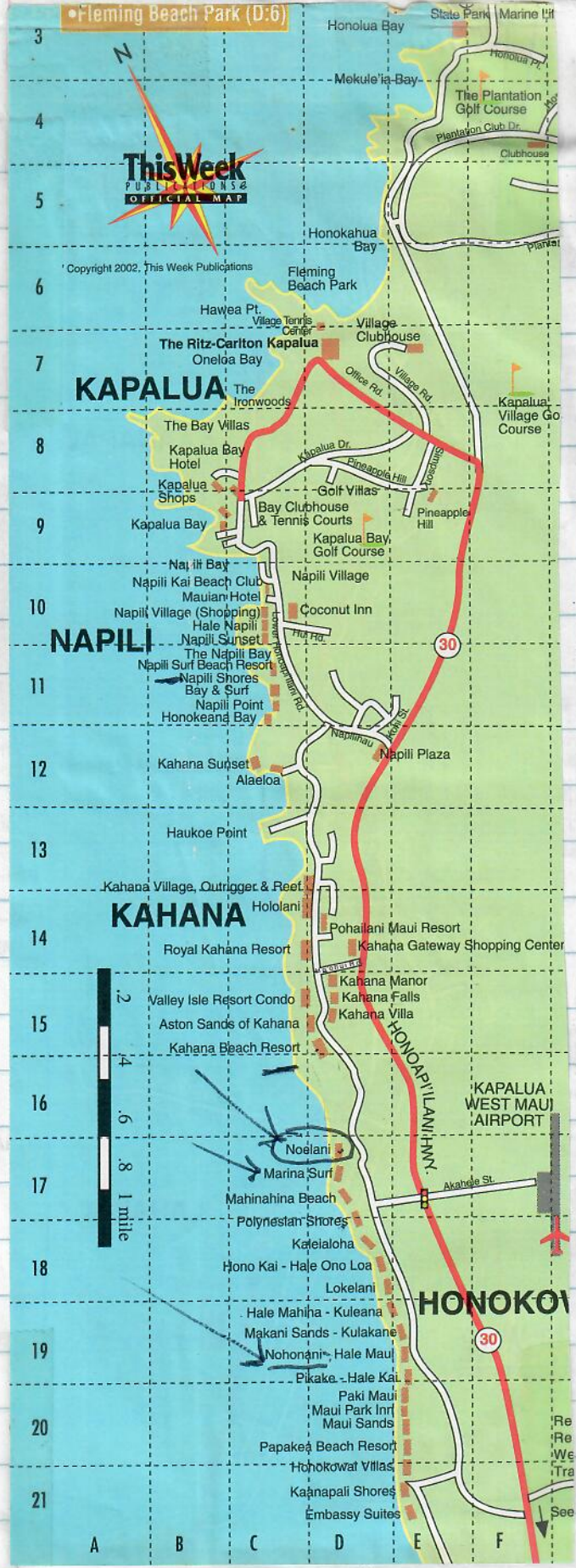
Molokini & Turtle Town

MORNING TRIP INCLUDES>>>

- Snorkel Molokini & Turtle Town
- Tropical Breakfast
- BBQ Lunch
- Ice Cold Refreshments
- All Equipment & Instructions
- Whale & Dolphin Watching
- Floatation Devices
- Sun Tanning Mats
- Wide Stable Catamaran
- Easy Step into the Water
- Optical Masks**
- Large Shady Cabin

197

This Week
P U B L I C A T I O N S
OFFICIAL MAP



Copyright 2002, This Week Publications

KAPALUA

NAPILI

KAHANA

HONOKOWAI



A B C D E F

FPI

Turtle steals octopus

Contributed by
Captain John Clark,
Dive and Sea Maui

As Capt. John Clark anchored the Dive and Sea Maui boat off the southwest coast of Maui, a spear-fisherman swam by, towing a torpedo float and flag. Attached to the float was an octopus. The swimmer anchored the float and began cruising the area in search of more prey. Capt.



Honu eating fisherman's tako.

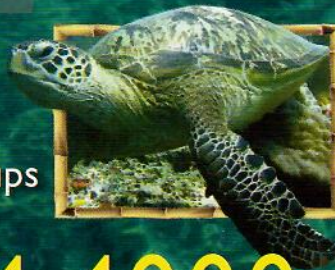
Clark reports that, moments later, a green sea turtle surfaced for air, discovered the free octopus buffet, and ripped it from the

float. Two more turtles joined in on the feast as the fisherman watched his hard-earned catch turned into a turtle pupu. *

Snorkel remote & pristine coral reefs with endangered green sea turtles

Ultimate in personal service!

No crowds; small groups



808-874-4000

Toll Free: 1-866-771-MAUI (6284)

www.MAUIKAYAKS.com



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Pacific Islands Fish and Wildlife Office
300 Ala Moana Boulevard, Room 3-122, Box 50088
Honolulu, Hawaii 96850

In Reply Refer To:
Sea Life Park Hawaii

SEP 13 2011

Jeff L. Pawloski, Curator
Sea Life Park Hawaii
41-202 Kalaniana'ole Highway #7
Waimanalo, Hawaii 96795

Subject: Transfer of six green sea turtle hatchlings from Sea Life Park Hawaii to Maui Ocean Center

Dear Mr. Pawloski:

This letter authorizes you to transport and transfer six green sea turtle hatchlings (*Chelonia mydas*) from Sea Life Park Hawaii to the Maui Ocean Center, 192 Maalaea Road, Wailuku, Hawaii 96793 (John Gorman, Curator; telephone: 808-270-7030).

Since 1998, Sea Life Park Hawaii has transferred green sea turtle hatchlings to the Maui Ocean Center as part of a loan program referred to as the "Turtle Ambassador Program." The goal of the program is to increase the scope of public display for this species while providing education and awareness. The Maui Ocean Center has been an important partner with Sea Life Park Hawaii and has helped to make this program very successful in raising public awareness for this species.

The Maui Ocean Center maintains several holding and exhibit areas consisting of artificial pools supplied with natural seawater and employs several full-time aquarists responsible for the care and husbandry of the turtles at the facility, and has contracted the services of Dr. Bethany Doescher, DVM who has extensive experience in treating and diagnosing diseases in this turtle species. Additionally, Dr. George Balazs of the National Marine Fisheries Service, Pacific Islands Fisheries Science Center (NMFS-PIFSC) and Dr. Thierry Work, DVM with the U.S. Geological Survey – Biological Resources Division, provide technical assistance for this facility. The holding and exhibit pools have been found to be adequate for the size and number of turtles being held at this facility, and the animal caretakers maintain good communication with Sea Life Park Hawaii through written progress reports and oral reporting by phone.

Sea Life Park Hawaii coordinates all transfers of the turtles with the Hawaii State Department of Agriculture and the NMFS-PIFSC. All hatchlings are transferred in accordance with standard protocols for this species and are reviewed by NMFS-PIFSC. Sea Life Park Hawaii has set as a condition of the loan agreement that U.S. Fish and Wildlife Service, Pacific Islands

TAKE PRIDE[®]
IN AMERICA 

Fish and Wildlife Office (PIFWO), NMFS-PIFSC, and Sea Life Park be notified in advance of requests to release or transfer turtles from the Maui Ocean Center (e.g., the Maui Ocean Center will contact Sea Life Park, PIFWO, and NMFS-PIFSC when it wishes to release or transfer turtles it received from Sea Life Park).

A copy of this letter, all applicable permits, and specimen history reports must accompany the transport and transfer of these individuals. Within three days of transferring the six green sea turtle hatchlings to the Maui Ocean Center, please notify my office in writing that the transfer has occurred, describe any problems that were encountered, include final specimen history reports, and copies of all applicable.

It is our understanding that Sea Life Park Hawaii is transferring the turtle hatchlings *gratis* to the Maui Ocean Center and there will be no exchange of funds, nor any type of transaction that could be construed as commerce. Please note that this letter does not relieve your facility of its responsibility to comply with applicable State and local regulations with regard to transporting endangered species. If you have any questions, please contact Jay Nelson, Fish and Wildlife Biologist, at (808) 792-9400.

Sincerely,



^{for}
Loyal Mehrhoff
Field Supervisor

cc:

ES-Region 1, Portland, OR (Attn: Dan Perritt)
Maui Ocean Center, Wailuku, HI (Attn: John Gorman)
NMFS-PIFSC, Honolulu, HI (Attn: George Balaz)
USFWS-LE, Honolulu, HI (Attn: George Phocas)
NMFS-PIRO, Honolulu, HI (Attn: Patrick Opay)



Holomua na Honu

Release of five-2 year old sea turtles

Ka'anapali Beach fronting Ka'anapali Beach Hotel

Thursday, August 25

9:00am-11:00am – release at 10:30am

9:00am-11:00am

Educational/Informational Stations

Hawai'i Wildlife Fund

Hawaiian Islands Humpback Whale National Marine Sanctuary

U.S. Fish and Wildlife Service

Department of Land and Natural Resources, Division of Aquatic Resources

UH-Maui College Marine Option Program – Turtle Stranding

Project S.E.A.-Link

Ka'anapali Beach Hotel

Maui Ocean Center

9:00am

Welcome

Introduction of VIP's and dignitaries

9:15am-10:15am

Guest Speakers (approximate times)

9:15am Cheryl King, Hawai'i Wildlife Fund

9:45am Skippy Hau, DLNR-DAR

10:05am Peter Bennett, Researcher/Author

10:20am George Balazs, National Marine Fisheries Service

9:30am-10:30am

Turtle Encounter with MOC Curatorial Staff

10:30am

Hawaiian blessing and ceremony prior to release

Kahu Dane Maxwell

Release of Turtles - measurements and weights taken; satellite transmitter (pending)

2011 Honu Names

(Turtle Independence Day)

- # 14 **Kana'i:** Smooth, calm of the sea
- # 19 **Ku lua:** 4th day of the old lunar month which is today's Hawaiian moon phase for this 4th of July 2011.
- # 15 **'Olino:** Bright, brilliant, dazzling
- # 18 **Pilialoha:** Close friendship, beloved companion, to have a loving or tender relationship
- # 93 **Wai puna:** Spring water (also used as a figure of speech for "a sweetheart")

DATA on Mauna Lani Turtles

Date: 7/3/2011

Technicians: Pi'i Laeha, Marty Wisner

TURTLE INDEPENDENCE DAY - honu to be released

<i>SHELL #</i>	<i>location</i>	<i>PIT Tag L Hind</i>	<i>PIT Tag R Hind</i>	<i>Weight (lbs)</i>	<i>SCL (cm)</i>	<i>CCL (cm)</i>	<i>SPL (cm)</i>	<i>observations</i>
14	Honu Pond	44143A7F6D	483A3A7269	44.5	50.5	53.3	41.0	No abnormalities. Named: Kana'i
15	Honu Pond	4414085039	483B252460	34.0	48.0	51.0	37.0	No abnormalities. Named: 'Olino
18	Honu Pond	441308300C	48533E1A1D	31.4	46.8	49.0	36.3	No abnormalities. Named: Piliialoha
19	Honu Pond	441466484B	485170374B	37.8	49.0	51.6	39.5	No abnormalities. Named: Ku lua
93	Honu Pond	45282F7877	4528357643	24.2	40.8	42.8	34.5	No abnormalities. Named: Wai puna

SCL = Straight Carapace Length (cm)

CCL = Curved Carapace Length (cm)

SPL = Straight Plastron Length (cm)

#	Hatch Date	Tag Date	Tag #	Weight (g)	SCL (CM)	Tank held in	Notes
201	28-Jul-11	28-Jul-11	2	19.5	4.9	-	
202	28-Jul-11	28-Jul-11	3	20.0	4.9	-	
203	1-Aug-11	1-Aug-11	1	29.5	5.0	-	
204	1-Aug-11	1-Aug-11	2	21.0	4.9	-	
205						-	
206						-	
207						-	
208						-	
209						-	
210						-	
211						-	
212						-	
213						-	
214						-	
215						-	
216						-	
217						-	
218						-	
219						-	
220						-	

MAUI BOOK

Local News

- Local News
- Business
- Entertainment
- Community
- Obituaries
- Religion
- Sunday Currents
- Opinion
- Hawaii News
- National News
- International News
- Weather
- SUBMIT NEWS: Virtual Newsroom

/ News / Local News /

« Summer fun at grandma's hous...

Lights a hazard for Maui Gir...»

Maui Girl returns

Turtle nesting again, a year later than expected

July 26, 2011

By MELISSA TANJI - Staff Writer (mtanji@mauinews.com) , The Maui News

Save | [SHARE](#)

Hawaii's green sea turtle expert felt "great excitement" when he learned this summer that "Maui Girl" had come to nest in Lahaina again.

Turtle fanciers had feared that Maui Girl had died because she failed to show up to dig nests last year, said George Balazs, leader of the Marine Turtle Research Program at the federal Pacific Islands Fisheries Science Center on Oahu.

The green sea turtle, known in research reports as 5690 but to her fans as Maui Girl, since 2000 has been showing up consistently every other year to nest on Maui's west side.

Balazs said researchers became worried when she didn't nest last year.

"So great excitement when it came apparent she had to do a three-year (nesting) cycle after all those years of two-year cycles," he said Monday.

"My excitement is she's alive, she's well, she's back," Balazs added. He said he's not going to worry about why she took three years to nest instead of her usual two.

Over the weekend, Maui Girl completed at least her second nest this season in Lahaina near the 505 Front Street shopping center under the watchful eyes of turtle enthusiasts and sport divers Peter Bennett and his wife, Ursula Keuper-Bennett, of Mississauga, Ontario, who are here most every summer.

Bennett said that early Sunday morning, Maui Girl made her nest near the one she made two weeks ago at the same beach. Green sea turtles, which are federally listed as threatened, return several times to nest in one summer season.

"Every time it's always quite fascinating," Bennett said of the nesting process.

While it takes Maui Girl only around 15 minutes to lay her 100 or more eggs, the nesting process lasts hours, as she may go around and around the sandy shore area to find a suitable spot, Bennett said.

After finding a likely spot, Maui Girl first digs a "body pit." The pit may be 18 inches or deeper. Then she digs an egg chamber, also around 18 inches deep. The chamber may be shaped like an upside-down light bulb, narrow at the top and wider at the bottom, Bennett said.

Then she covers the area up.

"It takes a while," said Bennett, who has watched the process many times. "She covers it up right up to the level of sand she starts to dig."

"It's very exhausting for a turtle," he added.

When she's done, she submerges herself back into the water again. If no one spots her, turtle watchers often detect the appearance of a new nest by the marks she leaves in the sand. Her habit of sticking pretty close to the stretch of beach from Lahaina Shores to Kamehamehaiki Park makes her easy to monitor.

Bennett said the area around the new nest is roped off.

Maui Girl is a famous and significant turtle. Balazs says she is unique

Kahului, HI
 82°F
[Extended Forecast](#)
[Find Another Location](#)
Data provided by The Weather Channel ©

News, Blogs & Events

I am looking for:

[SEARCH](#)

in:

News, Blogs & Events Web EZToUse.com

[EZ To Use ISLAND PAGES.com](#)
Click here for local business and residential phone listings.

Article Photos



Maui Girl, officially known as turtle 5690, lays her eggs e...

JUST RELEASED

Flight Sale: Fly from \$29
By TRAVELZOO STAFF

Airfares have been slashed to more than 40 cities across the U.S. Sale ends soon.

[Read More >>](#)

www.travelzoo.com
Ads by Google

THE NFL IS BACK IN BUSINESS!

Get DIRECTV and receive NFL SUNDAY TICKET™ at no extra charge.

ONLY ON DIRECTV.

GET DIRECTV

AFTER REBATE WITH 3-YEAR AGREEMENT

www.DIRECTV.com Arts by C...

Purchase a Web Ad and receive a Link to your web site for **FREE**

The Maui News 808 244-3981

Need to Publicize Your Non-Profit Event? **click here**

Place your listing for **FREE** on the Maui News Online Calendar

Mortgage Rate at 2.37%
 \$200,000 home mortgage for \$771/mo. See New Payment. No SSN Required.
[Mortgage.LeadSteps.com](#) [AdChoices ▶](#)

as the first captive-reared Hawaiian green sea turtle known for certain to have grown to maturity and started reproducing. The tag attached to her small body when she was set into the ocean off the Big Island survived for decades, as has she.

She also is the first green sea turtle known to have nested in Lahaina in 50 years.

Although Balazs wasn't worried about why Maui Girl didn't nest last year, he and others speculate that it could be related to the algae in the Napili and Kapalua area where she lives.

He said that several years ago, residents and visitors complained about the stinky and ever-growing algae.

It can be a nuisance for humans, but the algae is food for the turtles. Balazs said green sea turtles take a year or so to get fat enough to lay eggs, whose yolks are rich in fat.

Bennett said Maui Girl usually lays around 80 to 90 eggs compared to about 100 that are more usual for other turtles.

But Maui Girl tends to make more nestings, more than the four or five that the turtles usually make.

Bennett said it takes about two months for a turtle's eggs to hatch, but Maui Girl's eggs may hatch sooner, as this nest is out in the sun.

She is expected to come back in about two weeks to nest again.

* Melissa Tanji can be reached at mtanji@mauinews.com.

© Copyright 2011 The Maui News. All rights reserved. This material may not be published, broadcast, rewritten or redistributed.

Save |

Recommend

Send

15 people recommend this.

[Subscribe to The Maui News](#)

[Golden Nugget In Vegas](#) Get Swept Off Your Feet With Our Specials. Make Reservations Today! www.GoldenNugget.com

[Royal Taxi Maui](#) Serving Kihei, Wailea, Makena 24 Hour Airport Transportation RoyalTaxi.webplus.net

AdChoices ▶

The Maui News

100 Mahalani Street, Wailuku, HI 96793 | 808-242-6363

© 2011. All rights reserved. | [Terms of Service and Privacy Policy](#)

MAUI OCEAN
CENTER - SLP Turtles
Reared and Released

3/2002 - 8/2010
N=31

YT is
ab turtle?

MOC
Book

Turtle	Flipper tag	Pit tag	Date of Birth	Date of MOC arrival
1	RFF ZD78	424325436A (RH)	8/22/1997	Mar-98
		424F071C00 (LH)		
2	RFF ZE59	424D552D43 (RH)	8/22/1997	Mar-98
		42A446D01 (LH)		
3	RFF YT41	4244E582C3C (RH)	9/7/1996	Mar-98
		423E0F3254 (LH)		
4	ZE45	42505B414D (RH)	8/29/1997	7/14/1998
		424E441F61 (LH)		
5	11538	424D6C1774(LH)	7/26/1996	Mar-98
		424E684142(RH)		
6	RFF ZF74	424B3B1103(LH)	8/12/1997	7/14/1998
		42505C5556(RH)		
1	RFFZG01	42502041B(LH)	Jul-00	3/16/2002
		424D380C5A(RH)		
2	LFF ZG04	425003642D(LH)	Jul-00	3/16/2002
		424F05774C(RH)		
3	RFF ZI29	423E111F78(LH)	Jul-00	3/16/2002
		424E4D4763(RH)		
4	RFF ZG10	424F7F6F5E(LH)	Jul-00	3/16/2002
		423B206C3C(RH)		
5	LFF ZG09	422F041C59(LH)	Jul-00	3/16/2002
		424F2A3007(RH)		
6	RFF ZG08	422D517229(LH)	Jul-00	3/16/2002
		4237526A39(RH)		
1	LFF YQ35	470C711B0D(LH)	Sep-03	9/10/2004
	RFF YQ35	470B4F5B7C(RH)		
2	LFF YQ69	467D117058(LH)	Oct-03	9/10/2004
	RFF YQ71	470B213C41(RH)		
3	LFF YQ73	470B476629(LH)	Oct-03	9/10/2004
	RFF YQ72	470C3B6C55(RH)		
4	LFF YQ82	4528446710(LH)	Nov-03	9/10/2004
	RFF YQ81	4526517C6A(RH)		
5	LFF YQ84	4527392C28(LH)	Nov-03	9/10/2004
	RFF YQ 83	452269420F(RH)		
6	LFF YQ86	470A7C2B14(LH)	Nov-03	9/10/2004
	RFF YQ85	470C251269(RH)		
7	LFF YQ35	445473205A(LH)	Aug-02	9/10/2004
	RFF YQ35	4438572504(RH)		
1	WE14	4601643B28(LH)	7/25/2005	7/27/2006
		460777604A(RH)		
2	WE21	460238695E(LH)	7/25/2005	7/27/2006
		4603783500(RH)		

31

Please RETURN TO GB

Recovered (stranded or RESIGHT IN TDS)

Date of release	Location of Release	
3/13/2002	Ahihi Kinau	1
3/13/2002	Ahihi Kinau	2
3/13/2002	Ahihi Kinau	3
3/13/2002	Ahihi Kinau	4
3/13/2002	Ahihi Kinau	5
3/13/2002	Ahihi Kinau	6
3/8/2003	Alenuihaha Channel	7
10/27/2004	South Maui, 5 Graves & Pu'oalai	8
10/27/2004	South Maui, 5 Graves & Pu'oalai	9
10/27/2004	South Maui, 5 Graves & Pu'oalai	10
10/27/2004	South Maui, 5 Graves & Pu'oalai	11
10/27/2004	South Maui, 5 Graves & Pu'oalai	12
8/10/2006	Ahihi Kinau	13
8/10/2006	Ahihi Kinau	14
8/10/2006	Ahihi Kinau	15
8/10/2006	Ahihi Kinau	16
8/10/2006	Ahihi Kinau	17
8/10/2006	Ahihi Kinau	18
8/10/2006	Ahihi Kinau	19
Jul-08	South Maui, 5 Graves & Pu'oalai	20
7/17/2008	South Maui, 5 Graves & Pu'oalai	21

Found dead 12-14-07 Hookipa Beach, Maui (see attached Hist. Rep.)

17 # 1^s
 14 # 2^s
 3 # 3^s

} 1#3 RJH
 1#3, 1#2 Glottal

Release weight = Not taken?
 Dead weight = 146.9 #

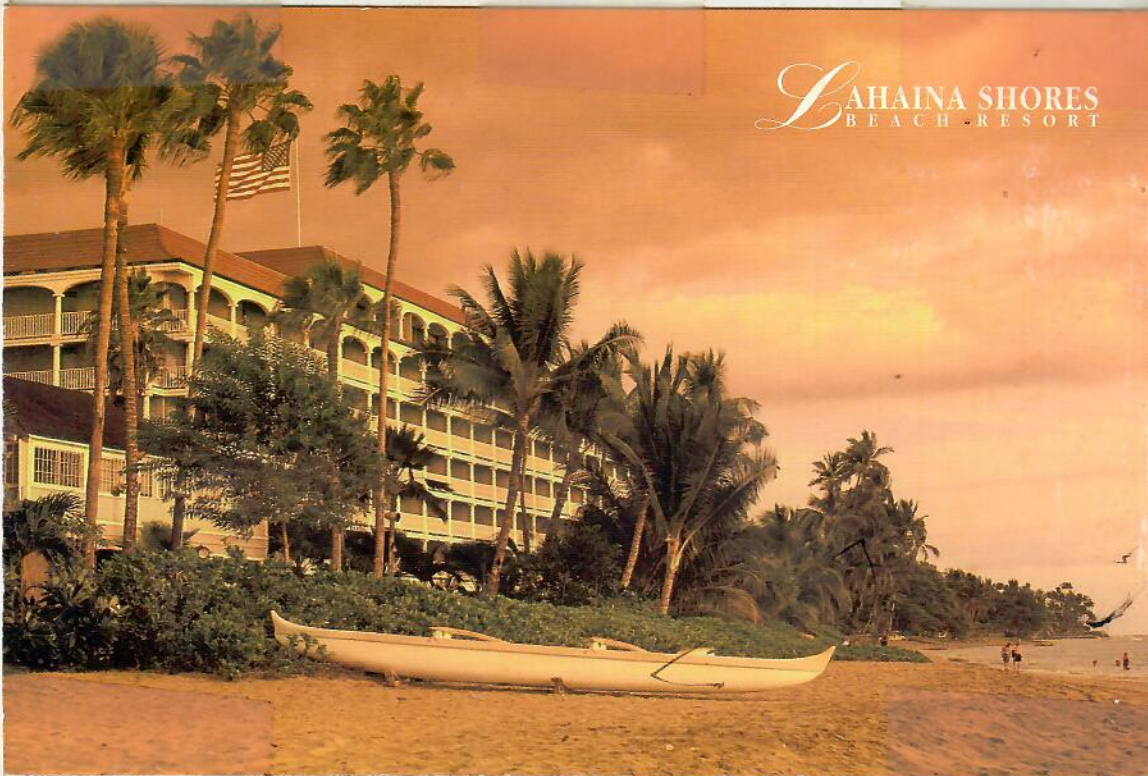
3	YQ23	22	4607783A17(LH)	7/25/2005	7/27/2006
			46080D2A2E(RH)		
4	No Tag	23	46080D0819(LH)	7/25/2005	7/27/2006
			460224184E(RH)		
5	No Tag	24	460811590A(LH)	7/25/2005	7/27/2006
			46022F2934(RH)		
6	YQ32	25	460755066E(LH)	Sep-03	7/27/2006
			460167246E(RH)		
A	WH 36	26	48413A6E5E (L hind flipper)	6/17/2008	8/19/2008
			48582D6554 (R hind flipper)		
B	WH 40	27	4607626424 (L hind)	6/17/2008	8/19/2008
			46073A364D (R hind)		
C	WH60	28	46075A3302 (L hind)	6/17/2008	8/19/2008
			46074A6D01 (R hind)		
D	WH 68	29	4851446B67 (L hind)	6/17/2008	8/19/2008
			482F763965 (R hind)		
E	WH 74	30	46072C7633 (L hind)	6/17/2008	8/19/2008
			4608006E02 (R hind)		
F	WH 80	31	483951501F (L hind)	6/17/2008	8/19/2008
			4608126904 (R hind)		
1	YW31	1	46080D217F (LH)	7/5/2009	8/19/2009
			4601766833 (RH)		
2	YW33	2	46077F630A (LH)	7/5/2009	8/19/2009
			46071B6370 (RH)		
3	YW35	3	46016F0337 (LH)	7/5/2009	8/19/2009
			4602591750 (RH)		
4	YW43	4	4607550806 (LH)	7/5/2009	8/19/2009
			4602006C4B (RH)		
5	YW45	5	4607440D47 (LH)	7/5/2009	8/19/2009
			4608155C3F (RH)		
A		6	442D675672(LH)	6/24/2010	8/25/2010
B	87		483A45163B(LH)	6/25/2010	8/25/2010
C	91	7	483C353330(LH)	6/25/2010	8/25/2010
D	93		48533E2131(LH)	6/25/2010	8/25/2010
E		8	442D035943(LH)	6/25/2010	8/25/2010
F	I		470C487A6C(LH)	6/26/2010	8/25/2010

Historical Information for Turtle Tag 424E441F61

Tag Information:

Tag Number	Date	Tag Type	Tag Position
424E441F61	9/25/2000	PIT	LHF
42505B414D	9/25/2000	PIT	RHF

Date	Type of Encounter	Location	TumorRank	NestingAct	Straight Carapace	Since Last Encounter			Overall		
						Interval Month	Year	Growth-Rates cm/mo	Interval Month	Year	Growth-Rates cm/mo
9/25/2000	Near Shore	Maui, Maui Ocean Center, Captive	0	-	60.5	---	---	---	---	---	---
3/13/2002	Near Shore	Maui, Ahihi	0	-	71.9	17.0	1.4	0.7	17.0	1.4	0.7
12/14/2007	Stranding	Maui, Hookipa Beach	3	-	78.7	69.0	5.8	0.1	86.0	7.2	0.2
12/14/2007	Near Shore	Maui, Hookipa Beach - Found dead	3	-	78.7	---	---	---	86.0	7.2	0.2



LAHAINA SHORES BEACH RESORT

1.000	35.274	2.205
.028	1.000	1/16
.454	16.000	1.000

LITERS	PINTS	QUARTS	GAL.
1.000	2.113	1.057	.264
.473	1.000	1/2	1/8
.946	2.000	1.000	1/4
3.785	8.000	4.000	1.000

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

Table of Linear Measure

12 inches	=	1 foot
3 feet	=	1 yard
16-1/2ft. (5-1/2yds.)	=	1 rod
660 feet	=	1 furlong
320 rods (5280 ft.)	=	1 mile

Miscellaneous Measures

12 units	=	1 dozen
12 doz.	=	1 gross
12gr.	=	1 great gross
20 units	=	1 score
1 hand	=	4 inches
1 fathom	=	6 feet
1 knot	=	6086 feet
3 knots	=	1 league
1 bu. potatoes	=	60 lbs.
1 barrel flour	=	196 lbs.
1 cu. ft. of water	=	7.48 liquid gals.
		and weighs 62.425 lbs
Diameter of circle x 3.1416 =		circumference
Diameter of circle square x .7854 =		area
Atmospheric pressure is 14.7 lbs.		per sq. in. at sea level.
13-1/2 cu. ft. of air weighs 1 lb.		

Table of Circular Measure

60 seconds (")	=	1 minute (')
60 minutes	=	1 degree (°)
360 degrees	=	1 circumference
A degree of the earth's surface or a meridian = 69.16 miles at the equator.		

Table of Apothecaries' Weight

20 grains (gr.)	=	1 scruple
3 scruples	=	1 dram
8 drams	=	1 ounce
12 ounces	=	1 pound (lb.)

Table of Surface Measures

144 sq. in	=	1 sq. ft.
9 sq. ft.	=	1 sq. yd.
30 1/4 sq. yds.	=	1 sq. rod
160 sq. rods	=	1 acre
640 acres	=	1 sq. mile

An acre measures 208.71 ft. on each side.

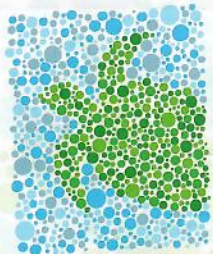
A section of land is 1 sq. mile.

A quarter section is 160 acres.

A township is 36 sq. miles.

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
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
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



HONU
SEAFOOD & PIZZA

1295 Front Street
Lahaina, Hawaii 96761
(808) 667-9390
Cell (808) 385-3032
Fax (808) 662-0717
nanagoose24@yahoo.com

Ariana Guarnier
Manager

www.honu-maui.com
www.malaoceantavern.com
www.practicealoha.org

DISTRIBUTED BY:
ATICO INTERNATIONAL USA, INC.
FT. LAUDERDALE, FL 33301
MADE IN INDONESIA

© 2001 ATICO INTERNATIONAL USA, INC.

© Registered Trademark of Atico International USA, Inc.

