

ADA
YAN
AARON
KUAN

G. BALAZS



MAUI MOC
KAWAIIUI

caliber®
COMPOSITION BOOK

- 24TH MAUNA LAUI 7/3-7/4/2013

- KAWAIIUI 7/8-7/9/13
Scheman Perry

- 3RD ANNUAL HOLOMOANA HONU
BALAZS 8/29/2013

SEA LIFE PARK MOC

- 26TH TID MAUNA LAUI 2015



- HANAUMA 9-10-2013

2 OF 2

College Ruled

100 Sheets

9.75 in x 7.5 in
(24.7 cm x 19 cm)

24TH TID

N=5





24th TID

24th TID



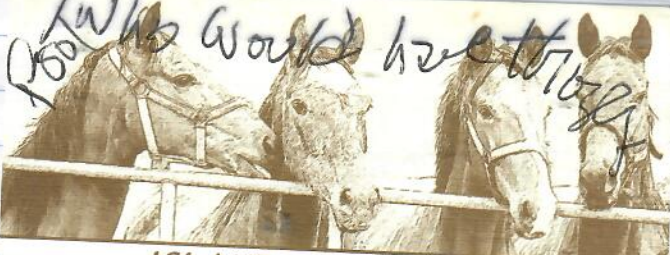
8/28/2013 Mon.
Wednesday

How you can help on
Monday species

630 - 815 pm Chief King

345 pm Moku/ele to
RAPALUA

Who would have thought?



ISLAND HORSE VET™
 Bartholomew Buckeye Bottoms, DVM
 P.O. Box 560 • Haiku • HI • 96708 • (808) 268-0071
 Email • ~~hbottoms@islandhorsevet.com~~

Who would have thought?

Released 8/29/13
MOC

Turtle ID	PIT TAG # RH
1 (D)	44220D1331
2 (G)	44127F5912
3 (H)	4414533C36
4 (K)	4413345F1D
5 (O)	441338296C
6 (Q)	4413153869

bartbottoms@gmail.com

PIT TAG # LH

4412680479

441326643A

44217F3451

4413055D46

44141C0444

4414684508

Revised 01/22/08

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

PAINT #1
"Lawakua"

3rd lateral R w/ motu food

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/29/2013

MOC L w/ paint ONLY

CAPTURE DATE, LOCATION AND METHOD:

8/29/13 KAA NAPALI MAUI MAUI Ocean Center (MOC)
2 year old SLP capture
GB Bred Chelonia mydas

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

MT#

OLD TAGS:

4414533C36 (LH)

RHF

44217F3451 (RH)

LHF

NEW TAGS:

STRAIGHT CARAPACE - LENGTH:

42.7 cm

WIDTH: ~~X~~ cm

NOTCH LENGTH: — cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

45.5 cm

WIDTH: — cm

HEAD WIDTH: — cm

LATERAL1: — cm

LATERAL2: — cm

PPS: YES OR NO OR NE —

LATERAL3: — cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T 10.5 cm

C 6.5 cm

SPECIES:

RIGHT FRONT FLIPPER WIDTH: — cm

PLASTRON LENGTH: 33.5 cm

WEIGHT: 23 #

DESCRIPTIVE REMARKS:

Robust

Revised 08/21/07

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

Turtle #2 "Kai Kama"

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/29/2013

CAPTURE DATE, LOCATION AND METHOD:

8/2/13 KANAPALI MAUI MOC 2 year old
SLP captive bred
Chelonia mydas

PERSON RECORDING DATA: GB

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

3

441326640A (LH)

44127F5912 (RH)

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

42.9 cm

WIDTH: - cm

NOTCH LENGTH: - cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

45.5 cm

WIDTH: - cm

HEAD WIDTH: - cm

LATERAL1: - cm

LATERAL2: - cm

PPS: YES OR NO OR NE -

LATERAL3: - cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 10.5 cm

C 6.8 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: - cm

PLASTRON LENGTH: 34.8 cm

WEIGHT: 24.5 #

DESCRIPTIVE REMARKS:

Robust +

3rd lateral R U 21
photo pool

MOC L w/ print ONLY

Revised 08/21/07

Turtle # 3

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

3rd lateral R moto 3
tool

"Mimo"

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/29/2013

CAPTURE DATE, LOCATION AND METHOD:

8/29/13 KAAWAPALIMADI MOC Release of
2 year old captive bred
SLP Com. GB

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT.
YES OR NO

-

EMACIATION CODE

0

MT#

OLD TAGS:

4412680479

LH RHF

44220D2331

RH LHF

NEW TAGS:

STRAIGHT CARAPACE - LENGTH:

44.3 cm

WIDTH:

cm

NOTCH LENGTH:

cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

47.0 cm

WIDTH:

cm

HEAD WIDTH:

cm

LATERAL1:

cm

LATERAL2:

cm

PPS: YES OR NO OR NE

cm

LATERAL3:

cm

SEX: Male, Female
or Undetermined

L

TAIL LENGTH:

T 10.0 cm

C

5.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

35.6 cm

WEIGHT:

27.7 lbs

DESCRIPTIVE REMARKS:

Revised 08/21/07

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

Turtle #4

"Ana'ole"

SEA TURTLE TAGGING FORM

3rd lateral p motor body
MOC L w/ paint only

DATE FORM FILLED OUT 8/29/2013

CAPTURE DATE, LOCATION AND METHOD: 8/29/13 KAAWAPALI MAUI
NOA release of 2yr old SLP captive BRED Cemo

PERSON RECORDING DATA: GB

TUMOR SCORE	0	OLD TAGS:		NEW TAGS:	
ORAL TMRS EXT: YES OR NO	-	4413055D46	LH RHF		
EMACIATION CODE	0	4413345F1D	RH LHF		
MT#					

STRAIGHT CARAPACE - LENGTH: 42.8 cm

WIDTH: - cm

NOTCH LENGTH: - cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH: 45.0 cm

WIDTH: - cm

HEAD WIDTH: - cm

LATERAL1: - cm

LATERAL2: - cm

LATERAL3: - cm

SEX: Male, Female, or Undetermined

PPS: YES OR NO OR NE -

TAIL LENGTH: T 10.0 cm

C 6.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: - cm

PLASTRON LENGTH: 34.9 cm

WEIGHT: 25.3 # lbs

DESCRIPTIVE REMARKS:

Revised 08/21/07

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

W Photo & Nadine & Madeline TAO
PASSADENTA
~ 6 years

Turtle # 5
"Miki Iki"

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/29/2013

CAPTURE DATE, LOCATION AND METHOD:

8/29/13 KAANAPALI MOC Release of 2yr old
MAUI SLP captive Bred
e.m.

3rd lateral R notched 5
MOC paint only

PERSON RECORDING DATA: GB

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

-

EMACIATION CODE

0

MT#

OLD TAGS:

441410044

UH RHF

441338296C

RH LHF

NEW TAGS:

STRAIGHT CARAPACE - LENGTH:

42.3 cm

WIDTH: - cm

NOTCH LENGTH:

- cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

45.0 cm

WIDTH: - cm

HEAD WIDTH:

- cm

LATERAL1: - cm

LATERAL2: - cm

PPS: YES OR NO OR NE

-

LATERAL3: - cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T

10 cm

C 6.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

- cm

PLASTRON LENGTH:

32.7 cm

WEIGHT:

22.7 # 165

DESCRIPTIVE REMARKS:

END
N=6

Revised 08/21/07
TURTLE # 6
"Waha Lina"

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

3rd lateral R molted No
MOC L ni paint
only

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 8/29/2013

CAPTURE DATE, LOCATION AND METHOD:

8/29/13 KAAHAPALI MOC Release of
MAUI GB 2YR OLD SLP captive
Bred Cm

PERSON RECORDING DATA:

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

4414684508

4413153869

LH RHF

RH LHF

NEW TAGS:

MT# 6

STRAIGHT CARAPACE - LENGTH:

41.9 cm

WIDTH: — cm

NOTCH LENGTH: — cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

44.5 cm

WIDTH: — cm

HEAD WIDTH: — cm

LATERAL1: ~ cm

LATERAL2: ~ cm

PPS: YES OR NO OR NE —

LATERAL3: ~ cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 9.0 cm

C 5.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: — cm

PLASTRON LENGTH: 34.6 cm

WEIGHT: 23.1 # 165

DESCRIPTIVE REMARKS:



Contact: Lori Mellenbruch
Director of Sales and Marketing
Telephone: 808.270.7083
Facsimile: 808.270.7070
Email: lorim@mauiocencenter.com

Holomua na Honu
Maui Ocean Center Releases Six Green Sea Turtles

AUGUST
2013

August 2, 2013—MA'ALAEA, MAUI, HI - Maui Ocean Center will release six juvenile green sea turtles, *honu*, into the ocean on the morning of Thursday, August 29, 2013 at 10:30 a.m. from the shores of Ka'anapali Beach fronting Ka'anapali Beach Hotel. Many of the Aquarium's employees, who have spent two years feeding, cleaning and caring for the *honu*, will be joined by staff of the Department of Land and Natural Resources-Division of Aquatic Resources, the U.S. Fish and Wildlife Service and the Ka'anapali Beach Hotel to witness the turtles' introduction into the open ocean.

"These two year old turtles are healthy and ready for life in the open ocean" said John Gorman, Curator at Maui Ocean Center. "Maui Ocean Center has been a part of Sea Life Park Hawaii's Hawaiian green sea turtle Educational Loan Program since we opened in 1998. This is our third release from shore, the second on the west side, and we are very happy to have the community and visitors participate in this event." According to Gorman, the turtles will weigh around 20-30 pounds each at release. Through Sea Life Park Hawaii's Hawaiian green sea turtle Educational Loan Program, Maui Ocean Center has released 48 green sea turtles over the past 15 years to the open ocean.

The event will begin at 9:00 a.m. with festivities and educational opportunities included presentations by prominent local marine biologists, researchers and community members, informational booths, a turtle encounter, a blessing of the turtles and live music. Presentations include Cheryl King of the Hawksbill Recovery Project, Ka'au Abraham of the Hawaiian Islands Humpback Whale National Marine Sanctuary, Author and Researcher Peter Bennett and more. Several organizations will be on hand to share information and answer questions including the Hawksbill Recovery Project, Hawaiian Islands Humpback Whale National Marine Sanctuary, Ka'anapali Beach Hotel, and Maui Ocean Center. A highlight of the morning will be the chance to experience an up-close and personal encounter with the *honu* and Maui Ocean Center's Curatorial staff. At 10:30 a.m., the *honu* will each receive a blessing by Kahu Dane Maxwell, Maui Ocean Center's Hawaiian Cultural Advisor, prior to being released to the ocean. Throughout the event, 9am-12pm, enjoy live music by Marty Dread.

"We are honored to work with the agencies and individuals that help make this possible and for the opportunity to bring people together for this significant event." stated Kate Zolezzi, the Aquarium's General Manager. "In Hawaiian culture, green sea turtles are one of several species important for sustenance and considered na 'aumakua, a family's ancestral god or deity that takes the form of an animal. The remarkable history of the Hawaiian people and their profound connection to the sea is at the heart of who we are at Maui Ocean Center."

Shortly after the turtles arrived at the Aquarium and their unique personalities began to stand out, a turtle naming contest was held. Each turtle was appropriately named; 1. Lawakua (of strong physique), 2. Kai Kama (ocean child), 3. Mimo (quiet, capable yet unassuming), 4. Ana'ole (insatiable, never satisfied), 5. Miki Iki (small and active), and 6. Waha lina (fussy, finicky about food). The turtles will be marked in white with "MOC" and the numbers 1 through 6 on their shells. Maui residents and visitors are urged to keep an eye out for these turtles. If you encounter one, please note the day, time and location, and contact Maui Ocean Center at (808) 270-7000 or info@mauioceancenter.com to help with tracking the turtles.

The shore release is made possible with the dedicated and generous assistance of the U.S. Fish and Wildlife Service, the Department of Land and Natural Resources, Ka'anapali Beach Hotel, other organizations participating in the event, and many more.

The event is complimentary and open to the public. A special event parking rate of \$5.00 is available at Ka'anapali Beach Hotel with validation. Validation is available at Maui Ocean Center's information table at the event. For more information call (808) 270-7000 or visit www.mauioceancenter.com.

Hawaiian Green Sea Turtle Educational Loan Program

In partnership with Sea Life Park Hawaii, the sea turtles are part of the Hawaiian green sea turtle Educational Loan Program, authorized by the U.S. Fish and Wildlife Service and conducted under the scientific advice of the National Oceanic and Atmospheric Administration-Pacific Islands Fisheries Science Center. This program is specifically designed as an educational outreach program geared towards education, conservation, and the enhancement of the public's awareness of the oceans and its inhabitants.

The turtles were hatched at Sea Life Park Hawaii on Oahu and have lived at Maui Ocean Center since July 2011. Sea Life Park Hawaii is home to a colony of adult Hawaiian green sea turtles which has produced approximately 200 to 800 hatchlings each year, all of which are released into the wild. Some of these turtles, like the ones at Maui Ocean Center, and those kept at Sea Life Park Hawaii or other collaborating institutions, are released at a later age to provide an educational opportunity for those that visit these institutions, as part of the Hawaiian green sea turtle Educational Loan Program.

When the hatchlings reach the ages of two to three years, under the authority and approval of the U.S. Fish and Wildlife Service, they are released into Hawaiian waters at a location approved by the agencies. Sea Life Park Hawaii replaces those turtles released with new hatchlings in order to maintain each facility's educational display program.

Each of the six turtles being released by Maui Ocean Center will be outfitted with Passive Integrated Transponder (PIT) tags implanted in both rear flippers. The tags, small microchips about the size of a grain of rice, contain an electromagnetic code. Using hand-held scanners, researchers are able to identify PIT-tagged turtles. When the turtles are recovered through research efforts, the PIT tags will allow the Department of Land and Natural Resources-Division of Aquatic Resources, the NOAA Pacific Island Fisheries Science Center and other researchers to identify them as the turtles released from Maui Ocean Center.

Maui Ocean Center

Maui Ocean Center displays live coral and Hawaiian marine life in over 60 vibrant exhibits. Twenty-five percent of the animals found at Maui Ocean Center are endemic, meaning they are found nowhere else in the world. In addition to daily marine life presentations given by ocean naturalists, Maui Ocean Center highlights specific marine species with enhanced presentations, special guest talks, hands-on activities, upgradeable behind the scenes tours and more each month. Throughout August, Maui Ocean Center celebrates "Turtle Mania" with interactive events that allow guests to experience green sea turtles up close and personal with the opportunity to learn about the biology, behavior and diet of these amazing creatures. Program details can be found at www.mauiocceancenter.com.

Sea Life Park Hawaii

Sea Life Park Hawaii is not only a fascinating visitor attraction, it is a repository of knowledge, a refuge and a habitat for some of Hawai'i's most important and beloved sea creatures. Guests swim with dolphins, interact with sea lions, feed sea turtles, and dive with sea rays in an educational and entertainment manner found nowhere else in Hawai'i. Located north of Hanauma Bay, Sea Life Park Hawaii features a beautifully designed park with reefs, lagoons, pools, and theaters. Both adults and children can take part in thrilling water activities and exhilarating encounters with marine mammals. Give your entire family an adventure to look forward to – make a reservation today. The park is open daily from 10:30 a.m. to 5:00 p.m. For more information, visit www.sealifeparkhawaii.com.

U.S. Fish and Wildlife Service

The U.S. Fish and Wildlife Service (FWS) works to conserve, protect, and enhance fish, wildlife, plants, and their habitats for the continuing benefit of the American people by enforcing federal wildlife laws, protecting endangered species, managing migratory birds, restoring nationally significant fisheries, and conserving and restoring wildlife habitats such as wetlands.

FWS operates within the Department of the Interior to manage the 150 million-acre National Wildlife Refuge System of more than 551 National Wildlife Refuges and thousands of small wetlands and other special management areas. Under the Fisheries program, FWS also controls 70 National Fish Hatcheries, 65 fishery resource offices and 86

ecological services field stations. For more information visit www.fws.gov/.

National Oceanic and Atmospheric Administration-Pacific Islands Fisheries Science Center

NOAA-Pacific Islands Fisheries Science Center is the federal agency, a division of the Department of Commerce, responsible for the stewardship of the nation's living marine resources and their habitat. NOAA-Pacific Islands Fisheries Science Center is responsible for the management, conservation and protection of living marine resources within the United States' Exclusive Economic Zone (water three to 200 miles offshore). Using the tools provided by the Magnuson-Stevens Act, NOAA-Pacific Islands Fisheries Science Center assesses and predicts the status of fish stocks, ensures compliance with fisheries regulations and works to reduce wasteful fishing practices. Under the Marine Mammal Protection Act and the Endangered Species Act, NOAA-Pacific Islands Fisheries Science Center recovers protected marine species (i.e. whales, turtles) without unnecessarily impeding economic and recreational opportunities. With the help of the six regional offices and eight councils, NOAA-Pacific Islands Fisheries Science Center is able to work with communities on fishery management issues. NOAA-Pacific Islands Fisheries Science Center works to promote sustainable fisheries and to prevent lost economic potential associated with overfishing, declining species and degraded habitats. NOAA-Pacific Islands Fisheries Science Center strives to balance competing public needs. For more information visit www.nmfs.noaa.gov.

Department of Land and Natural Resources

The Department and Land and Natural Resources mission: Enhance, protect, conserve and manage Hawaii's unique and limited natural, cultural and historic resources held in public trust for current and future generations of visitors and the people of Hawaii nei in partnership with others from the public and private sectors. For more information visit www.hawaii.gov/dlnr.

Ka'anapali Beach Hotel

The hotel is located just three miles from Lahaina Town, one of Maui's top visitor attractions. The property is low-rise, on eleven ocean front acres in the heart of the Ka'anapali Resort, conveniently located between Black Rock and Whaler's Village Shopping Center & Museum. Just across the street are the Ka'anapali Golf Courses, home of the Wendy's Championship Senior Skins Tournament. Though moderately priced, Ka'anapali Beach Hotel offers first class facilities and amenities. The 432 guest rooms average 425 square feet in size with spacious lanais (balconies). Each room has either a king size bed with a twin daybed, or two double beds. Color cable TV, clock radio, coffee maker, hairdryer, iron & ironing board are standard amenities. The hotel offers connecting rooms in every category and rooms that meet the Americans with Disabilities Act (ADA) standards are available. Ka'anapali Beach Hotel has been bestowed with the accolade of "Hawaii's Most Hawaiian Hotel" and it's a designation taken seriously. As hosts

to visitors from all over the world, it is the hotel's privilege to spotlight the native culture through the practice of its unique values – giving aloha from the heart. For more information visit www.kbhmaui.com.

Turtles in Hawai'i

Of the seven species of sea turtle in the world, five are found in Hawai'i. The green sea turtle, hawksbill and leatherback are considered native to Hawai'i, and the loggerhead and olive ridleys are rare visitors. 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 Hawai'i. As adults, *honu* mainly eat algae and sea grasses, which turn their fat layer green, giving them their common name. Green sea turtles are listed as threatened under the U.S. Endangered Species Act and comparable laws of the State of Hawai'i.

#

August
2013

Turtle 1 MOC



Turtle 2





Turtle 3



Turtle 4



Turtle 5



Turtle 6



MOC Turtle Measurements

Date: 8/6/2013

Turtle	Date	Weight (lbs)	SCL (cm)	SCW (cm)	CCL (cm)	CCW (cm)	Comments
1 "D"	6/20/2013	*19.5	42.5	37.1	40.5	32.1	PIT RH #1331 LH #0479 All old bites healed. No new bites.
	7/18/2013	22.2	41.3	32.4	42.9	38	No bites.
2 "G"	6/20/2013	23.7	40.3	30.9	42.3	37.4	PIT RH #5912 LH #643A Old bites healed. New bite on L arm pit and LHF dorsal surface.
	7/18/2013	25.3	41.5	32.1	44	38.9	LHF dorsal surface bite still healing. Bite on arm pit healed. New bite on chin. And little nick under L eye.
3 "H"	6/20/2013	24.6	41	32.9	43.1	38.9	PIT RH #3C36 LH #3451 Old bite healed. New bites on R side of neck. LFF with a lifted scute at the tip.
	7/18/2013	26.1	42.4	34	44.7	40.1	Old bites healed. New bite on R side of neck and dorsal surface of LHF.
4 "K"	6/20/2013	23	40.4	32	42.3	38.2	PIT RH #5F1D LH #5D46 Both old bites healed. New bite on R side of neck.
	7/18/2013	24.7	41.1	32.8	43.4	39.2	Old bites healing. Scratches on R upper portion of plastron.
5 "O"	6/20/2013	20.7	39.4	29.9	41.9	35.5	PIT RH #296C LH #0444 Old bites healed. No new bites,
	7/18/2013	21.2	40.7	30.7	43.1	36.6	No bites.

		Weight	SCL	SCW	CCL	CCW	
Turtle	Date	(lbs)	(cm)	(cm)	(cm)	(cm)	Comments
6 "Q"	6/20/2013	21.5	39.4	30.5	41.6	36.2	PIT RH #3869 LH #4508 New bite on top R side of neck.
	7/18/2013	22.6	40.2	31.4	42.3	37.1	Old bite on neck healed. New bite on both hind flippers, dorsal surface.

Note: applied wound kote on bites.

***Turtle 1 has gained weight since the last measurement**

Turtle Exhibit re-furbished, end date ~week of the 10th of June

*Turtle food increased on 7/24/2013... As follows:

gel increased from 25 --> 30oz (3 feeds/ day)

lettuce increased from 1 to 1.5 head per feed (4x/day)

*There is also the photos of the 2yr old turtles attached to the email but is located on another excel spreadsheet.

MOC Turtle Measurements

Date: 8/6/2013

Turtle	Date	Weight (lbs)	SCL (cm)	SCW (cm)	CCL (cm)	CCW (cm)	Comments
	6/27/2013	7.01	28	21.5	29.8	25.6	Old bites healed except for bite on LFF ventral surface near arm pit. New bite on L shoulder, chin, fatty marginal region by RHF, and LHF dorsal surface. LFF edge/tip has cut/lifted scute.
#2372 (old) #3349 (new)	7/4/2013	*7.01	28.4	22.4	30	26	Bite on LFF and chin healed. All other previous bite still healing. New bite on fatty marginal region by LHF.
A	7/11/2013	7.02	28.7	22.4	30.2	26.1	All old bites healed except for LFF edge which is still healing. New bite on RFF ventral surface.
"K"	7/18/2013	7.07	28.9	22.5	30.3	26.3	LFF edge still healing. Old bites healed. New bite on 4th median scute R side of carapace.
	7/25/2013	7.13	29.3	22.8	31.1	26.7	LFF edge still healing. Old bite on 4th median scute R side of carapace still healing. New bite under chin and L side of neck.

Turtle	Date	Weight (lbs)	SCL (cm)	SCW (cm)	CCL (cm)	CCW (cm)	Comments
	6/27/2013	6.05	26.9	20.7	28.4	23.9	Old bites healed except chin bite still healing. New bite on R side of chin, 8th scute L side of carapace, LFF dorsal tip, and R shoulder near 4th scute.
#7B1D (old)	7/4/2013	6.1	27.6	21.2	28.9	24.4	Chin bites still healing. Other previous bites healed. New bites on R side and top L side of neck, 11th scute L side of plastron, and ventral surface of LHF.
B	7/11/2013	*6.1	27.8	21.4	29.1	24.5	Old bites on chin and LHF ventral healed. Old bite on top & R side of neck and on 11th scute L side of plastron still healing. New bite on L shoulder.
"O"	7/18/2013	6.14	28.2	21.6	29.7	24.9	Old bite on top of neck & on L shoulder healed. Other old bites still healing. New bites on 10th scute L side plastron, corner R side of mouth, on dorsal and ventral surface of LHF, at tip of LFF ventral surface, and underside of tail.

Turtle	Date	Weight (lbs)	SCL (cm)	SCW (cm)	CCL (cm)	CCW (cm)	Comments
	7/25/2013	7.05	28.5	21.9	30	24.9	All old bites still healing except for bite on LFF ventral tip which has healed. New bites on L side of neck, under chin/L side of mouth, R armpit, RFF ventral surface, LHF dorsal surface, and RHF dorsal/ventral surface.
	6/27/2013	6.12	27.5	21.9	28.8	24.9	Previous bite on 10th scute L side of carapace still healing. Neck bite healed. New bite on R shoulder.
#6400	7/4/2013	6.15	27.8	22.1	29.2	25.3	Bite on 10th scute L side of carapace still healing. R shoulder bite healed. No new bites.
C	7/11/2013	7.03	28	22.4	29.6	25.5	Bite on 10th scute L side of carapace still healing. New tiny bites on chin.
	7/18/2013	7.06	28.5	22.5	29.9	25.7	Old bites healed. New bite on top R side of neck, underside of tail (more on L), ventral surface of LHF, and on neck folds.

Turtle	Date	Weight (lbs)	SCL (cm)	SCW (cm)	CCL (cm)	CCW (cm)	Comments
	7/25/2013	7.08	28.7	22.7	30.1	26.1	Old bites healed except for bites on underside tail and LHF ventral bite still healing. New bites on end scute of carapace, LFF ventral surface, and on L side of neck.
	6/27/2013	6.01	26.6	20.4	27.8	24.3	Head pinholes still present. Old bites healed. New bite of LFF ventral surface.
#556F	7/4/2013	6.06	26.8	20.6	28	24.6	Pin holes on top of head still present. LFF ventral surface bite healed. New bites on chin, 9th scute L side of plastron, 6th median scute L side of plastron, and btwn 11/12th scute R side of plastron.
D	7/11/2013	6.09	27.3	21	28.8	25	Pin holes on top of head starting to close in (heal). All old bites except for bite on 9th scute L side plastron healed. New bite on ventral surface of RFF.
	7/18/2013	6.11	27.6	21.3	28.9	25.2	Pin holes continue to close. Bite on 9th scute healed. RFF ventral surface bite still healing. New bite on top side of neck.

Turtle	Date	Weight (lbs)	SCL (cm)	SCW (cm)	CCL (cm)	CCW (cm)	Comments
	6/27/2013	6.15	27.8	20.9	29.1	24.4	Chin bite still healing. Other previous bites healed. New scratch on 10th scute R side of plastron.
#626F	7/4/2013	*6.15	28.4	21.7	29.6	25.2	Chin bite and scratch on 10th scute R side of plastron still healing. New bite on LFF ventral surface.
F	7/11/2013	7	28.7	22	30.2	25.2	All old bites healed. New bite on both HF ventral surface. Noticed a little wrinkly upper plastron.
"U"	7/18/2013	7.03	29	22.1	30.4	25.4	Old bites healed and wrinkles pretty much gone. New bite on chin.
	7/25/2013	7.1	29.5	22.5	30.5	25.7	Chin bite healed. New bites on chin, R side of neck, RHF ventral surface edge. Wrinkles completely gone.

Note: *pit tags are in LH Flipper

* put wound kote on bites/scrapes

*Weights for Turtle A and F did not change significantly for week of July 4th, actual weight difference was ~1/4 ounce

does not show a weight change (example 7.01 and 3/8ths vs 7.01 and 1/2).

Will keep monitoring feeding behavior and act accordingly upon following week weights and measurements.

*in the following weeks after the 4th both Turtle A and F have been steadily gaining weight.

*Weights for Turtle B and E did not change significantly for the week of the 11th in July. Same weight difference range as above. But they both have not shown any decrease in appetite.

Will continue to monitor.

*same result as above for Turtles B and E. In the following weeks they have steadily increased in weight.

Turtle	Date	Weight (lbs)	SCL (cm)	SCW (cm)	CCL (cm)	CCW (cm)	Comments

*Increased Turtle food quantities beginning 7/24/2013... As follows:

- Gel increased from 9 to 13oz per feed (2 feeds/ day)
- Krill increased from 3.1 to 4.7oz (50% increase, fed 1x/day)
- Pellets increased from 1.5 to 2.25oz (50% increase, fed 1x/day)
- Lettuce increased from 5 leaves to 1/2 head per feed (2x/ day)

*7/25/2013--> dremeled all yearlings for the 1st time



U.S. DEPARTMENT OF COMMERCE
 National Oceanic and Atmospheric Administration
 NATIONAL MARINE FISHERIES SERVICE
 Pacific Islands Fisheries Science Center
 2570 Dole St. • Honolulu, Hawaii 96822-2396
 (808)983-5733 • Fax: (808)983-2902

MEMORANDUM FOR:

DOCARE OAHU JULY 5, 2013
 NMFS OLE

FROM:

George H. Balazs, cell 286-2899
 Leader, Marine Turtle Research Program
 Telephone: (808) 983-5733
 Fax: (808) 983-2902

SUBJECT:

Notification of intended research involving capture and tagging of sea turtles

From (date) JULY 8 & 9, 2013 (time) 9 AM - 4 PM to
MONDAY and TUESDAY

I will be conducting capture, tagging, and related research activities of sea turtles at
KAILUA BAY - KAWAINUI CANAL
OAHU

These activities are

authorized under Federal Fish and Wildlife Permit TE-739350-3,

50CFR 17.31(b), 50CFR 17.22, State of Hawaii Protected Wildlife Permit

No. ED2013-32 and NOAA/NMFS Permit No. 1581-02

Research activities will be conducted from shore by snorkeling diving to hand-capture turtles.

Research activities will be conducted from shore using SCOOP NETS to capture turtles.

Research activities will involve turtles basking ashore.

NOAA RESEARCH
BANNERS WILL BE DISPLAYED.

8-14-2013 LAHANA OCEAN



TURTLE MANIA at the Aquarium!



Explore the majestic world of green sea turtles all month long at Maui Ocean Center. Along with daily naturalist presentations, check out these turtle themed activities and talks:

TAKE A TOUR **FREE**
SEA TURTLE TOUR PACKAGE **SEA TALK SERIES**
behind-the-scenes upgrade. **'DA HONU:**
TUESDAYS AT 11:30AM **CHARISMATIC MEGAFUNA'**

FINS AND FLIPPERS
TOUR UPGRADE
FRIDAYS AT 11:30AM

Space is limited.
Call (808)270-7088 for reservations.

TURTLE-RRIFIC
THURSDAY, AUGUST 15 AT 2PM
Guests can learn about Hawaii's beloved green sea turtles in an up close and personal setting.

'TALKIN' TURTLES:
How You Can Get Involved with Saving These Iconic Species"
Presented by Biologist and Researcher Cheryl King on WEDNESDAY, AUGUST 28

Held in Open Ocean Exhibit FROM 6:30-7:30PM.
Reservations recommended: (808)270-7088.

Holomua na Honu
Turtle Release, August 29, 9am-12pm
Ka'anapali Beach fronting Ka'anapali Beach Hotel
Six juvenile green sea turtles have spent two years at Maui Ocean Center as ambassadors for their species, part of Sea Life Park Hawaii's green sea turtle Educational Loan Program. Now, they are ready to holomua (progress) and continue life in the wild. Join us for this momentous occasion!



VISIT MAUIOCEANCENTER.COM FOR MORE INFO ON THESE EVENTS, WET NATURALIST PRESENTATIONS AND THE I LOVE MARINE LIFE PHOTO CONTEST!

MAUI OCEAN CENTER
OPEN DAILY 9AM-6PM HWY. 30 AT • MA'ALAEA HARBOR
WWW.MAUIOCEANCENTER.COM • CALL 808-270-7000 FOR INFORMATION

Honu



over

Turtle Project

**A Marine Education Activity For
Kids and Families!**

Snorkel with an Endangered Species

at a Turtle Research Site

with a Marine Naturalist

**Kids leave the project with an
educational teaching kit**

- * Learn about the Giant Green Sea Turtle
- * Photograph sea turtles
- * Observe sea turtles when they breathe at the surface
- * Visit a turtle cleaning station
- * Snorkel with sea turtles in their natural habitat

To sign up or have your questions answered, call the Ocean Project

(808) 667-6706

Join Us!

O An Experience Lasts a Lifetime
CEAN PROJECT

Experienced Based Environmental Education

email address: oceanproject.maui@gmail.com

web site URL address: www.theoceanproject.net

over
8/2013

EPA releases final report from investigation of injection wells

HONOLULU — The U.S. Environmental Protection Agency last week released a final report, “Lahaina Groundwater Tracer Study,” with results from a University of Hawaii investigation of the fate of effluent injected at Maui County’s Lahaina Wastewater Reclamation Facility near the Kaanapali coast.

The report is posted online at www.epa.gov/region9/water/groundwater/uic-permits.html#lahaina.

Funded by the U.S. EPA, U.S. Army Corps of Engineers and the Hawaii Department of Health, the University of Hawaii has been studying the effluent flow from the Honokowai plant’s injection wells to the near-shore ocean

water since July 2011.

The results of the study conclusively demonstrate that a hydrogeologic connection exists between two of the facility’s injection wells and the nearby coastal waters of West Maui.

A tracer dye added to the facility’s Injection Wells 3 and 4 took approximately three months to first emerge from submarine seeps near the shore along North Kaanapali Beach.

The seeps are located roughly a half-mile to the southwest of the facility.

Results suggest an average travel time from Injection Wells 3 and 4 to the seeps in excess of one year.

The study also estimated that 64 percent of the treated wastewater injected into wells 3 and 4 discharges within two discrete near-shore zones where the submarine seeps are located.

Additional key results detailed in the final report include the temperature, salinity, pH, nutrient concentrations and discharge rate of the monitored submarine discharges.

EPA is carefully reviewing the final study results and is consulting with the Hawaii DOH on appropriate next steps in light of the research findings.

8/8-8/14/13

IMMIGRATION ATTORNEY Elena Kareneva

Assistance in ALL immigration matters, including:



- Deportation and removal
- Family-based immigration
- Consular Processing
- Hardship Waivers
- Citizenship

Over 16 years of immigration experience

Call 808-661-8620

180 Dickenson St., Suite 117, Lahaina
ekareneva@karenevalawmaui.com

www.karenevalaw.com

First Consultation Free

Visit our website
LahainaNews.com

Lahaina News

8/29/13 telecon w/skipper At Lanipoko BP

(no algae on beach) - "No wash-up since ^{MAUI} Drought started in ~2007. Also ^{PINE} Summary closed in 2007 (near Kihului?).

But still some algae washes up between Maui Sunset and STAR MARKET since early 90's

"Collector Urcthius" eating algae,

AA Fisheries
 Pacific Islands Fisheries Science Center
 Marine Turtle Research Program
 10 Dole Street
 Honolulu, Hawaii 96822-2396
 81 983-5730

Sea Turtle Tagging Form Version 2 - Aug 2010

6



Turtle ID

[Empty box for Turtle ID]

Data

Recorded By

Capture Information

Date	9/10/13	Island	Oahu	Study Site	Hanauma	Species	<input checked="" type="radio"/> CM <input type="radio"/> EI <input type="radio"/> LO
Capture Method	Hand/ snorkel	Island Zone		Location		Sex	M <input type="radio"/> F <input checked="" type="radio"/>
	Scoop Net <input type="checkbox"/> Basking <input type="checkbox"/>	Latitude		Longitude		Recapture	Y <input type="checkbox"/> N <input checked="" type="radio"/>
	Stranding <input type="checkbox"/>					New Tags	Y <input checked="" type="radio"/> N <input type="radio"/>

Old Tags

New Tags

IT (LHF)	[Blank]	PIT (RHF)	[Blank]
IT (RHF)	[Blank]	PIT (LHF)	[Blank]
Tag (LHF)	[Blank]	Tag (RHF)	[Blank]
Tag (RHF)	[Blank]	Tag (LHF)	[Blank]
Old Tag	[Blank]	Other Tag	[Blank]

4C3B586B5C



4C3D23497E



New MT

[Empty box for New MT]

Other

[Empty box for Other]

Visual Examination

Tumors

Tumors	Y <input checked="" type="radio"/> N <input type="radio"/>	Oral Tumors Visible	Y <input checked="" type="radio"/> N <input type="radio"/>	1	2	3	4
Tumor Score	0	Emaciation Code	0	R eye			
Dorsal Barnacles	0	Ventral Barnacles	0	L eye			
Leeches	Y <input checked="" type="radio"/> N <input type="radio"/>	Leech Eggs	Y <input checked="" type="radio"/> N <input type="radio"/>	Mouth			
Flipper Amputated	Y <input checked="" type="radio"/> N <input type="radio"/>	Carapace Damage	Y <input checked="" type="radio"/> N <input type="radio"/>	Neck			
Fish Hook	Y <input checked="" type="radio"/> N <input type="radio"/>	Fishing Line	Y <input checked="" type="radio"/> N <input type="radio"/>	RFF			
Boat Impact	Y <input checked="" type="radio"/> N <input type="radio"/>	Shark Attack	Y <input checked="" type="radio"/> N <input type="radio"/>	LFF			
PPS	Y <input checked="" type="radio"/> N <input type="radio"/>	Photos	Y <input checked="" type="radio"/> N <input type="radio"/>	RHF			
				LHF			
				Tail			

Dorsal Measurements

Ventral Measurements

SCL (cm)	41.9	Lat1 (cm)	[Blank]
Notch (cm)	41.6	Lat2 (cm)	[Blank]
SCW (cm)	34.9	Lat3 (cm)	[Blank]
CCL (cm)	44.5	Plastron (cm)	33.3
CCW (cm)	40.0	Tail (cm)	8.0
Head (cm)	NC	Vent (cm)	5.0
RFF (cm)	NC	Weight (lbs)	21.5

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

PCk on plastron

Samples Y N

Release Date

9/10/13

Release Site

on site

AA Fisheries
 Pacific Islands Fisheries Science Center
 Marine Turtle Research Program
 10 Dole Street
 Honolulu, Hawaii 96822-2396
 (808) 983-5730

Sea Turtle Tagging Form Version 2 - Aug 2010

(7)



Turtle ID

Date Recorded By GHB/DF

Capture Information

Date: 9/14/13 Island: Oahu Study Site: Kaunawa Species: EI LO

Capture Method: Hand Hand/Snorkel Net Scoop Net Basking Stranding

Island Zone: Location: Recapture: Y N

Latitude: Longitude: New Tags: Y N

Old Tags

IT (HF): 467CH54846 PIT (RHF): 470A17706F

IT (FF): PIT (RFF):

Tag (HF): 6C89 Tag (RHF):

Tag (LFF): (HOLE EXPAND) Tag (RFF):

Other Tag:

Renewed:



		Tumors			
		1	2	3	4
Tumor Score	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dorsal Barnacles	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Leeches	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Filopod Amputated	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fish Hook	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Boat Impact	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PPS	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Dorsal Measurements

Ventral Measurements

SCL (cm): 49.0 Lat1 (cm): -

Notch (cm): 49.0 Lat2 (cm): -

SCW (cm): 41.8 Lat3 (cm): -

CCL (cm): 52.5 Plastron (cm): 40.9

CCW (cm): 49.0 Tail (cm): 11.0

Head (cm): Vent (cm): 9.5

RF (cm): Weight (lbs): 39.0

Comments: 5 cm hook removed from middle distal of RFF

- PCH on carapace

Samples Y N

Release Date: 9/14/13

Release Site: on site

Sea Turtle Tagging Form

Version 2 - Aug 2010



Turtle ID

Data Recorded By GHB/DF

Capture Information

Date	<u>9/10/13</u>	Island	<u>Oahu</u>	Study Site	<u>Hanauma</u>	Species	<input checked="" type="radio"/> CM <input type="radio"/> EI <input type="radio"/> LO
Capture Method	Hand <u>Hand/Snorkel</u> Net Scoop Net <input type="checkbox"/> Basking <input type="checkbox"/> Stranding <input type="checkbox"/>	Island Zone	<input type="text"/>	Location	<input type="text"/>	Sex	M <input type="checkbox"/> F <input checked="" type="radio"/>
		Latitude	<input type="text"/>	Longitude	<input type="text"/>	Recapture	Y <input type="checkbox"/> N <input checked="" type="radio"/>
						New Tags	<input checked="" type="radio"/> Y <input type="checkbox"/> N

Old Tags

New Tags

IT (HF)	<input type="checkbox"/>	PIT (RHF)	<input type="checkbox"/>
IT (FF)	<input type="checkbox"/>	PIT (RFF)	<input type="checkbox"/>
Tag (LHF)	<input type="checkbox"/>	Tag (RHF)	<input type="checkbox"/>
Tag (LFF)	<input type="checkbox"/>	Tag (RFF)	<input type="checkbox"/>
Old Tag (WT)	<input type="checkbox"/>	Other Tag	<input type="checkbox"/>

4C3C600220

 4C3B3A6A6E

 New MT Other

Visual Examination

Tumors

Dorsal Measurements

Ventral Measurements

SCL (cm)	<u>54.4</u>	Lat1 (cm)	<input type="checkbox"/>
Notch (cm)	<u>54.2</u>	Lat2 (cm)	<input type="checkbox"/>
SCW (cm)	<u>43.3</u>	Lat3 (cm)	<input type="checkbox"/>
CCL (cm)	<u>58.0</u>	Plastron (cm)	<u>45.2</u>
CCW (cm)	<u>51.5</u>	Tail (cm)	<u>11.0</u>
Head (cm)	<input type="checkbox"/>	Vent (cm)	<u>6.0</u>
RFF (cm)	<input type="checkbox"/>	Weight (lbs)	<u>49.0</u>

Tumors	Y <input checked="" type="radio"/> N <input type="radio"/>	Oral Tumors Visible	Y <input checked="" type="radio"/> N <input type="radio"/>	1	2	3	4
Tumor Score	<u>0</u>	Emaciation Code	<u>0</u>	R eye			
Dorsal Barnacles	<input checked="" type="checkbox"/>	Ventral Barnacles	<input checked="" type="checkbox"/>	L eye			
Leeches	Y <input checked="" type="radio"/> N <input type="radio"/>	Leech Eggs	Y <input checked="" type="radio"/> N <input type="radio"/>	Mouth			
Flipper Amputated	Y <input type="checkbox"/> N <input checked="" type="radio"/>	Carapace Damage	Y <input type="checkbox"/> N <input checked="" type="radio"/>	Neck			
Fish Hook	Y <input type="checkbox"/> N <input checked="" type="radio"/>	Fishing Line	Y <input type="checkbox"/> N <input checked="" type="radio"/>	RFF			
Boat Impact	Y <input type="checkbox"/> N <input checked="" type="radio"/>	Shark Attack	Y <input type="checkbox"/> N <input checked="" type="radio"/>	LFF			
PPS	<input checked="" type="radio"/> Y <input type="radio"/> N	Photos	Y <input checked="" type="radio"/> N <input type="radio"/>	RHF			
				LHF			
				Tail			
				Seams			

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

- Healed injury - 9-10th marginal R,
 + 7th R. marginal
 - PCA on carapace/plastron

Release Date 9/10/13

Release Site on site

Sea Turtle Tagging Form

Version 2 - Aug 2010

9



Turtle ID

[Empty box for Turtle ID]

Data

Recorded By GKB/DF

Capture Information

Date: 9/16/13 Island: Oahu Study Site: Hanauma Species: CM EI LO
 Capture Method: Hand Hand/Snorkel Net Island Zone: [] Location: [] Sex: M F U
 Scoop Net Basking Latitude: [] Longitude: [] Recapture: Y N
 Stranding New Tags: Y N

Old Tags

New Tags

IT (LHF) [] PIT (RHF) []
 IT (LFF) [] PIT (RFF) []
 Tag (LHF) [] Tag (RHF) []
 Tag (LFF) [] Tag (RFF) []
 Old Tag [] Other Tag []
 Renewed

4C3D1E4435

 4C3B406321
 New MT [] Other []

Visual Examination

Tumors

Tumors	Y <input checked="" type="radio"/> N	Oral Tumors	Y <input checked="" type="radio"/> N	Visible				
Tumor Score	<u>0</u>	Emaciation Code	<u>0</u>	R eye				
Dorsal Barnacles	<u>0</u>	Ventral Barnacles	<u>0</u>	L eye				
Leeches	Y <input checked="" type="radio"/> N	Leech Eggs	Y <input checked="" type="radio"/> N	Mouth				
Flipper Amputated	Y <input checked="" type="radio"/> N	Carapace Damage	Y <input checked="" type="radio"/> N	Neck				
Fish Hook	Y <input checked="" type="radio"/> N	Fishing Line	Y <input checked="" type="radio"/> N	RFF				
Boat Impact	Y <input checked="" type="radio"/> N	Shark Attack	Y <input checked="" type="radio"/> N	LFF				
PPS	<input checked="" type="radio"/> Y <input type="radio"/> N	Photos	Y <input checked="" type="radio"/> N	RHF				
				LHF				
				Tail				
				Seams				

Dorsal Measurements

Ventral Measurements

SCL (cm) 43.0 Lat1 (cm) []
 Notch (cm) 42.5 Lat2 (cm) []
 SCW (cm) 33.9 Lat3 (cm) []
 CCL (cm) 46.0 Plastron (cm) 34.6
 CCW (cm) 41.0 Tail (cm) 8.5
 Head (cm) NC Vent (cm) 5.0
 RFF (cm) NC Weight (lbs) 25.6

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

-PCA on carapace

Samples Y N

Release Date 9/17/13

Release Site onsite

NOAA Fisheries
 Pacific Islands Fisheries Science Center
 Marine Turtle Research Program
 2570 Dole Street
 Honolulu, Hawaii 96822-2396
 (808) 983-5730

Sea Turtle Tagging Form

Turtle ID 23
 Release Date 7/4/15

Capture Information:

Date 7/3/15 Island HI
 Capture Method sea Life Park Hatched Location MLB4 Captive for Tagging

Old Tags		New Tags	
PIT (LHF) <u>4A78791408</u>	Tag (LHF)	PIT (LHF)	Tag
PIT (RHF) <u>4607531813</u>	Tag (RHF)	PIT (RHF)	Tag
PIT ()	Tag ()	PIT (RHF)	Tag
Old MT	Renewed <input type="checkbox"/> Tag	New MT	Tag

Measurements (cm)			
SCL	<u>44</u>	Lat1	<u>—</u>
Notch	<u>43.8</u>	Lat2	<u>—</u>
SCW	<u>34.3</u>	Lat3	<u>—</u>
CCL	<u>46</u>	Plastron	<u>37.4</u>
CCW	<u>39</u>	Tail	<u>11.0</u>
Head	<u>7.1</u>	Vent	<u>8.0</u>
RFF	<u>7.3</u>	Weight (lbs)	<u>28.9</u>

Comments: None

Samples Y N Skin (DNA) Diet (Stomach) Blood Skin (SIA) Diet (Intestine) Other

Visual Examination			
Tumors	<u>0</u>	Leeches	<u>0</u>
Oral Tumors Visible	<u>0</u>	Leech Eggs	<u>0</u>
Tumor Score	<u>0</u>	Emac Code	<u>0</u>
Dorsal Barn	<u>0</u>	Vent Barn	<u>0</u>
Flipper Amput'd	<u>N</u>	Carapace Damage	<u>N</u>
Fish Hook	<u>N</u>	Fishing Line	<u>N</u>
Boat Impact	<u>N</u>	Shark Attack	<u>N</u>
PPS	<u>NO</u>	Photos	<u>N</u>

	Tumors				Comments
	1	2	3	4	
Eye					
Eye					
Mouth					
Neck					
RFF					
LFF					
RHF					
LHF					
Tail Cloaca					
Seams Scutes					
TOTAL					



Sea Turtle Tagging Form Version 3 - Sept 2

Turtle ID 31 Data Recorded By ELWA

Release Date _____ Release Site _____

Capture Information: Species Cm Sex UK Recap _____

Date 7/3/15 Island HT Study Site MLRH Lat _____

Capture Method MLRH Captive Reared Location Mh Bay Hotel Lon _____

Old Tags _____ New Tags Y N

PIT (LHF) 4C4A0310E Tag (LHF) _____
 PIT (RHF) ← Tag (RHF) _____
 PIT () 4C49531E3E Other () _____
 Old MT _____ Other Renewed Tag _____
 New MT _____ Other _____

Measurements (cm) Comments: Injuries, Abnormalities, Mouth Contents, etc.

SCL 42.5 Lat1 —
 Notch 42.2 Lat2 —
 SCW 33.6 Lat3 —
 CCL 45 Plastron 34.7
 CCW 38 Tail 10.0
 Head 6.8 Vent 5.5
 RFF 6.9 Weight (lbs) 24.4

Comments: Injuries, Abnormalities, Mouth Contents, etc.

Samples Y N Skin (DNA) Diet (lavage) Barnacles T
 Blood Skin (SIA) Diet (mouth) Other _____

Tumors

	1	2	3	4	Comments
Eye					
L eye					
Mouth					
Neck					
RFF					
LFF					
RHF					
LHF					
Tail Cloaca					
Seams Scutes					
TOTAL					

Visual Examination

Tumors <input checked="" type="checkbox"/>	Leeches <input checked="" type="checkbox"/>
Oral Tumors Visible <input checked="" type="checkbox"/>	Leech Eggs <input checked="" type="checkbox"/>
Tumor Score <input checked="" type="checkbox"/>	Emac Code <input checked="" type="checkbox"/>
Dorsal Barn <input checked="" type="checkbox"/>	Vent Barn <input checked="" type="checkbox"/>
Flipper Amput'd <u>N</u>	Carapace Damage <u>N</u>
Fish Hook <u>N</u>	Fishing Line <u>N</u>
Boat Impact <u>N</u>	Shark Attack <u>N</u>
PPS <u>Yes</u>	Photos <u>N</u>

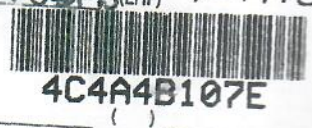


Sea Turtle Tagging Form Version 3 - Sept 2010

Turtle ID 32 Data Recorded By Elizabeth Jim
 Release Date _____ Release Site _____

Capture Information:
 Date 7/3/15 Species Em Sex UK Recapture _____
 Island HI Study Site MLBH Lat _____
 Capture Method SeaLife Park Hatched Location ML Bay Hotel Lon _____

Old Tags PIT (LHF) 4C49783145 Tag (LHF) 4C49783145 New Tags Y N
 PIT (RHF) _____ Tag (RHF) _____
 PIT () _____ Tag () _____
 Old MT _____ Other _____
 Renewed Tag _____
 New MT _____ Other _____



Measurements (cm)

SCL	<u>45.9</u>	Lat1	<u>—</u>
Notch	<u>45.5</u>	Lat2	<u>—</u>
SCW	<u>37.5</u>	Lat3	<u>—</u>
CCL	<u>49</u>	Plastron	<u>37.6</u>
CCW	<u>43.5</u>	Tail	<u>11.5</u>
Head	<u>6.9</u>	Vent	<u>7.5</u>
RFF	<u>7.3</u>	Weight (lbs)	<u>32.3</u>

Comments: injuries, Abnormalities, Mouth Contents, etc.

Samples Y N Skin (DNA) Diet (lavage) Barnacles Tumor
 Blood Skin (SIA) Diet (mouth) Other _____

Tumors

	1	2	3	4	Comments
R eye					
L eye					
Mouth					
Neck					
RFF					
LFF					
RHF					
LHF					
Tail Cloaca					
Seams Scutes					

Visual Examination

Tumors	<u>0</u>	Leeches	<u>0</u>
Oral Tumors Visible	<u>0</u>	Leech Eggs	<u>0</u>
Tumor Score	<u>0</u>	Emac Code	<u>0</u>
Dorsal Barn	<u>0</u>	Vent Barn	<u>0</u>
Flipper Amput'd	<u>N</u>	Carapace Damage	<u>N</u>
Fish Hook	<u>N</u>	Fishing Line	<u>N</u>
Boat	<u>N</u>	Shark Attack	<u>N</u>

NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form Version 3 - Sept 2

Turtle ID 35 Data Recorded By Ehron
Release Date _____ Release Site _____

Capture Information:		Species <u>Cm</u>	Sex <u>UR</u>	Recapture
Date <u>7/13/15</u>	Island <u>HI</u>	Study Site <u>MLBH</u>	Lat	
Capture Method <u>Sea Life Park Hatchlings</u>	Location <u>ML Bay Hotel</u>	Lon		
Old Tags		New Tags Y N		
PIT (LHF) <u>4C49776744</u>	Tag (LHF)	PIT (LHF)	Tag ()	
PIT (RHF)		PIT (RHF)	Other	
PIT ()	<u>4C4A4B2003</u>	PIT (RHF)	Other	
Old MT	Renewed <input type="checkbox"/> Other Tag	New MT	Other	

Measurements (cm)		
SCL	<u>39</u>	Lat1 <u>—</u>
Notch	<u>38.8</u>	Lat2 <u>—</u>
SCW	<u>31.5</u>	Lat3 <u>—</u>
CCL	<u>41.5</u>	Plastron <u>33</u>
CCW	<u>36</u>	Tail <u>9</u>
Head	<u>6.5</u>	Vent <u>5</u>
RFF	<u>6.8</u>	Weight (lbs) <u>19.2</u>

Comments: injuries, Abnormalities, Mouth Contents etc.

Samples Y N Skin (DNA) Diet (lavage) Barnacles
 Blood Skin (SIA) Diet (mouth) Other

Tumors					Comments
1	2	3	4		
R eye					
L eye					
Mouth					
Neck					
RFF					
LFF					
RHF					
LHF					
Tail Cloaca					
Scars Scutes					
TOTAL					

Visual Examination			
Tumors	<u>0</u>	Leeches	<u>0</u>
Oral Tumors Visible	<u>0</u>	Leech Eggs	<u>0</u>
Tumor Score	<u>0</u>	Emac Code	<u>0</u>
Dorsal Barn	<u>0</u>	Vent Barn	<u>0</u>
Flipper Amput'd	<u>N</u>	Carapace Damage	<u>N</u>
Fish Hook	<u>N</u>	Fishing Line	<u>N</u>
Boat Impact	<u>N</u>	Shark Attack	<u>N</u>
PPS	<u>NO</u>	Photos	<u>N</u>

26th

TURTLE INDEPENDENCE DAY

Date: July 4, 2015

~ released at Mauna Lani Bay Hotel beach ~

SHELL #	location pond	Pit Tag L Hind	Pit Tag R Hind	Weight (lbs)	SLC (cm)	Observations
35	Honu	4C49776744	4C4A4B2003	19.2	39	Released on July 4, 2015 (hatched at 50° 42' 00")
MONANIKE'ALA - The sweet fragrance carried on the gentle breezes						
23	Honu	4A78791408	4607531813	28.9	44.0	Released on July 4, 2015 (hatched at 50° 42' 00")
HŌLANI - Name of a special and mythical place						
32	Honu	4C49783145	4C4A4B107E	32.3	45.9	Released on July 4, 2015 (hatched at 50° 42' 00")
HA'A - Humility, to lower one's self in a humble way						
31	Honu	4C4A01310F	4C49531E3E	24.4	42.5	Released on July 4, 2015 (hatched at 50° 42' 00")
HO'OKO - To fulfill and to succeed						



Sea Turtle Tagging Form

Version 3 - Sept 2010



Turtle ID _____

Data Recorded By Ginly Picardo

Release Date _____

Release Site _____

Capture Information:		Species	Sex	Recapture
Date	<u>30/01/2015</u>	Island	<u>HI</u>	Study Site
			<u>MKB hotel</u>	Lat
				<u>19.944142° N.</u>
Capture Method	<u>Hand</u>	Location	<u>Fish Pond - Maunaloa Bay</u>	Lon
				<u>155.869153° W</u>

Old Tags		New Tags		Y	N
PIT (LHF)	<u>445215257</u>	Tag (LHF)	<u>445215257 B</u>		
PIT (RHF)	<u>4455112435</u>	Tag (RHF)			
PIT ()	()	Tag ()	()		
Old MT		Other Tag			
	Renewed <input type="checkbox"/>				
		New MT			
				Other	

Measurements (cm)		Comments: Injuries, Abnormalities, Mouth Contents, etc.	
SCL	<u>51.3</u>	Lat1	
Notch	<u>51.0</u>	Lat2	
SCW	<u>41.1</u>	Lat3	
CCL	<u>54.5</u>	Plastron	<u>42.8</u>
CCW	<u>48.5</u>	Tail	
Head		Vent	
RFF		Weight (lbs)	<u>41.0</u>

upper mandible left 1/2" rebar
missing mm
Found pond near to canoe shed -
MOVES IN 2015 7-23 form
and regular basis -
1st capture 6/23/04 MAUNALOA SCL37

Samples Y N		<input type="checkbox"/> Skin (DNA)	<input type="checkbox"/> Diet (lavage)	<input type="checkbox"/> Barnacles	<input type="checkbox"/> Tumor
		<input type="checkbox"/> Blood	<input type="checkbox"/> Skin (SIA)	<input type="checkbox"/> Diet (mouth)	<input type="checkbox"/> Other
Tumors					
	1	2	3	4	Comments
R eye					
L eye					
Mouth					
Neck					
RFF					
LFF					
RHF					
LHF					
Tail Cloaca					
Seams Scutes					
TOTAL					

Visual Examination	
Tumors	Leeches
Oral Tumors Visible	Leech Eggs
Tumor Score	Emac Code
Dorsal Barn	Vent Barn
Flipper Amput'd	Carapace Damage
Fish Hook	Fishing Line
Boat Impact	Shark Attack
PPS	Photos

689680



0 50428 20630 0

Distributed by: CVS/pharmacy, Inc.
One CVS Drive, Woonsocket, RI 02895
© 2012 CVS/pharmacy
www.cvs.com 1-800-shop-CVS

Made in Vietnam
V-12786