

3 of 3

KAHALO 2/5/07

MARBLE COMPOSITION®

11-9-2010
NAME **GEORGE BALAZS**
1-10-08 KIHLO - 7-31-08 3 letters
SUBJECT 1-29-09 (3 RE/ABRECT)
HPA
E-MAIL GBALAZS@HONLAB.NMFS.HAWAII.GOV



2-5-09 KAHALO
3-16-10 KIHLO
6-11-09 KIHLO

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SEWN PAGES

507

START
6/11/09 Kiholo

HPA (1)

Revised 08/21/07

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

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

6/11/09 Thursday Kiholo Bay
SCOOP - POINT
PERSON RECORDING DATA: Taylor T.

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

135C1FOE2A
445404003C

NEW TAGS:

RHF
LHF

MT#

STRAIGHT CARAPACE - LENGTH:

48.3 cm

WIDTH:

39.3 cm

NOTCH LENGTH:

48.0 cm

DB:

0 L.O.

VB:

2 L.O.

CURVED CARAPACE LENGTH:

51.5 cm

WIDTH:

46.5 cm

HEAD WIDTH:

cm

LATERAL1:

20.1 cm

LATERAL2:

17.8 cm

PPS: YES OR NO OR NE

No

LATERAL3:

15.1 cm

SEX: Male, Female^d
or Undetermined

TAIL LENGTH: T

11.5 cm

C

7.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

cm

PLASTRON LENGTH:

39.7 cm

WEIGHT:

49.5 #

DESCRIPTIVE REMARKS:

Red filament in mouth

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

6/11/09 KIHOLEO SCOOP NET
BAKKEN BEACH

PERSON RECORDING DATA:

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

44127C4777
435C28592A

NEW TAGS:

RHF

LHF

MT#

STRAIGHT CARAPACE - LENGTH:

44.2 cm

WIDTH:

35.2 cm

NOTCH LENGTH:

40.2 cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

47.0 cm

WIDTH:

42.5 cm

HEAD WIDTH:

— cm

LATERAL1:

16.2 cm

LATERAL2:

14.4 cm

PPS: YES OR NO OR NE

NO

LATERAL3:

11.9 cm

SEX: Male, Female
or Undetermined

TAIL LENGTH: T

10.0 cm

C

6.5 cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

MOUTH ALGAE

PLASTRON LENGTH:

35.3 cm

neck skin biopsy

WEIGHT:

24.5 #lbs

INTO ACCORDANCE

DESCRIPTIVE REMARKS:

for KAREN ACTIVE
COLLABORATION

191

Jim Young, ^{knows} Larry Ogren

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/09

CAPTURE DATE, LOCATION AND METHOD:

6/11/09 Kiholo ~~BAKED~~
Scooper net

PERSON RECORDING DATA: Rice

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

[Empty box for old tags]

NE

RHF

LHF



4A150B7417



4A0E6A575E

MT#

STRAIGHT CARAPACE - LENGTH:

49.0 cm

WIDTH:

39.5 cm

NOTCH LENGTH:

48.7 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

52.0 cm

WIDTH:

46.0 cm

HEAD WIDTH:

— cm

LATERAL1:

18.3 cm

LATERAL2:

15.8 cm

PPS: YES OR NO OR NE

.Y

LATERAL3:

13.9 cm

SEX: Male, Female[†]
or Undetermined

U

TAIL LENGTH: T

10.5 cm

C

7 cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

41.4 cm

WEIGHT:

35.0 #

DESCRIPTIVE REMARKS:

FLAT PLASTRON

Mouth sample -
Neck tissue sample

FOR
KAREN
ARTHUR
COLLABORATION

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

6/11/09 Kiholo Pond - Scoop
net capture
PERSON RECORDING DATA: Rice

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

Empty table for old tags

NI



4A62237620

RHF

LHF



4A49085B05

MT#

STRAIGHT CARAPACE - LENGTH:

52.0 cm

WIDTH:

41.9 cm

NOTCH LENGTH:

52.0 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

56.0 cm

WIDTH:

50.0 cm

HEAD WIDTH:

— cm

LATERAL1:

19.2 cm

LATERAL2:

— cm

PPS: YES OR NO OR NE

—

LATERAL3:

14.6 cm

SEX: Male, Female^d
or Undetermined

U

TAIL LENGTH: T

11.0 cm

C

7.0 cm

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

41.8 cm

Neck tissue sample

WEIGHT:

43 lbs#

FOR KAREN
ARTHUR
COLLABORATION

DESCRIPTIVE REMARKS:

(Pit tag slipped in very easily
- so bipsied.

= not good body condition?

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Metal tags
Q740 left front
Q741 right
Q742 - close to edge (both)
left hind

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/09	Kiholo Bay	Bay
PERSON RECORDING DATA: Karen A		Scoopnet

TUMOR SCORE	OLD TAGS:	NEW TAGS:
<input type="checkbox"/> 0	LH 413620003E	RHF
ORAL TMRS EXT: YES OR NO	RH 445405702C	LHF
<input checked="" type="checkbox"/>	LFF 41037E676A	
EMACIATION CODE		
<input type="checkbox"/> 0	MT#	

STRAIGHT CARAPACE - LENGTH: 55.0 cm WIDTH: 44.1 cm

NOTCH LENGTH: 54.6 cm DB: 0 L.O. VB: 0 L.O.

CURVED CARAPACE LENGTH: 59.0 cm WIDTH: 51.5 cm

HEAD WIDTH: — cm LATERAL1: 22.0 cm LATERAL2: 19.8 cm

PPS: YES OR NO OR NE: Y LATERAL3: 16.5 cm SEX: Male, Female or Undetermined: U

TAIL LENGTH: T 11.0 cm C 7.0 cm

RIGHT FRONT FLIPPER WIDTH: — cm

PLASTRON LENGTH: 44.9 cm

WEIGHT: 49.16 #

SAMPLES COLLECTED:
Food in mouth
Neck biopsy
FOR ART HUR
KAREN COLLABORATION

DESCRIPTIVE REMARKS: Food in mouth

Faint handwritten notes at the bottom of the page.

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

Kiitolo

6/11/2009	POND Scoop net
PERSON RECORDING DATA: Karen A	

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

3

MT#

OLD TAGS:

L 470C7F4B36
R 467C3B785D

NEW TAGS:

RHF

LHF

STRAIGHT CARAPACE - LENGTH:

58.3 cm

WIDTH: 45.0 cm

NOTCH LENGTH: 57.6 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

61.5 cm

WIDTH: 53.5 cm

HEAD WIDTH: — cm

LATERAL1: 16.7 cm

LATERAL2: 15.5 cm

PPS: YES OR NO OR NE N

LATERAL3: 11.9 cm

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 11.5 cm

C 7.0 cm

RIGHT FRONT FLIPPER WIDTH: — cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 46.8 cm

WEIGHT: 39 lb #

NECK SKIN
BIOLOGY
ARTHROPOD
KAREN COLLABORATION

DESCRIPTIVE REMARKS:

Bad conditions

Sig concave along
midline of plastron

History

'07 54 lb pond

'08 48 lb

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Search Results | 'Balazs'



HPA students helping monitor turtle population

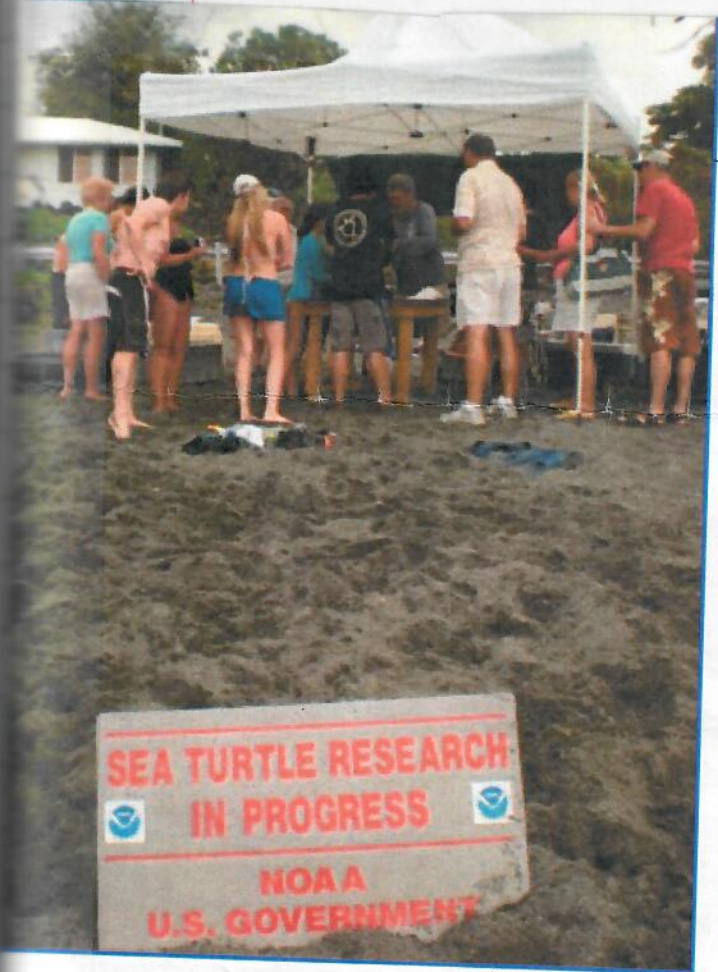
Updated at 3:02 am, Tuesday, February 10, 2009

Tags: [george balazs](#), [green sea turtles](#), [hawaii preparatory academy](#), [pacific island fisheries science center](#)



Turtle researcher George Balazs checks a turtle's mouth for injury and disease as HPA seventh grader Jennifer Lyon and beachgoers look on Thursday, Feb. 5 at Kahāluu Beach Park. (Hawaii247.org photos by Karin Stanton)

Karin Stanton/Hawaii247.org Contributing Editor



Students and beachgoers gather around turtle researcher George Balazs as he examines a young specimen Thursday, Feb. 5 at Kahaluu Beach Park.

"We want to give youngsters an opportunity to do the field studies, to dig into the science," he said. "Even if they become bankers or what not, they get this great learning experience."

Among them were a handful of seventh graders and high schoolers at the Kahaluu Beach Park tagging operation.

Some of his helpers were still running around in diapers when George Balazs first encountered a couple of the turtles, but that's part of what delights the biologist and turtle researcher.

Balazs, one of the first marine scientists in Hawaii to recognize the importance of studying green sea turtles, has been linking up with students across the state for more than two decades. From University of Hawaii in Hilo to Hawaii Preparatory Academy, Balazs is a familiar field trip leader to beaches and bays around the Big Island.

"We try to get to multiple tagging sites every year," Balazs said. "But today is the first time we've been back here in two years."

"The whole program has two big goals," he said, watching as four HPA middle and high school students carry another turtle across the sand at Kahaluu Beach Park on day last week.

Turtle researcher George Balazs checks a turtle's mouth for injury and disease as HPA seventh graders, beachgoers look on Thursday, Feb. 5 at Kahaluu Beach Park (Hawaii247.com photo by Karin Steiner)

Karin Steiner is Hawaii247.org's Contributing Editor

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Turtle researcher George Balazs and HPA student carry a turtle along Kahaluu Beach Park during a turtle tagging day Thursday, Feb. 5.

Balazs and his student helpers examine the turtles for disease and injury, weigh and measure the turtles recording the details and making sure they are tagged with a microchip before launching them straight back into the bay.

In one day last week, they examined at least nine turtles; at least four of those already had a microchip. Records on one dated to 1999 and another first was tagged in 2002.

Even those are young for turtles, which can live 60 to 80 years and do not reach sexual maturity until about 35 years.

Seventh graders Kelly Kumobe, Jennifer Lyon and Kristiana Van Pernis said they were surprised by how docile and peaceful the turtles were.

"I thought they would be way harder to catch," Van Pernis said. "But they're really pretty easy. You just swim up to them."

Lyon said they were a little tougher to hold on to than catch.

"They're a lot stronger than I thought," she said. "Even one flipper is really strong."

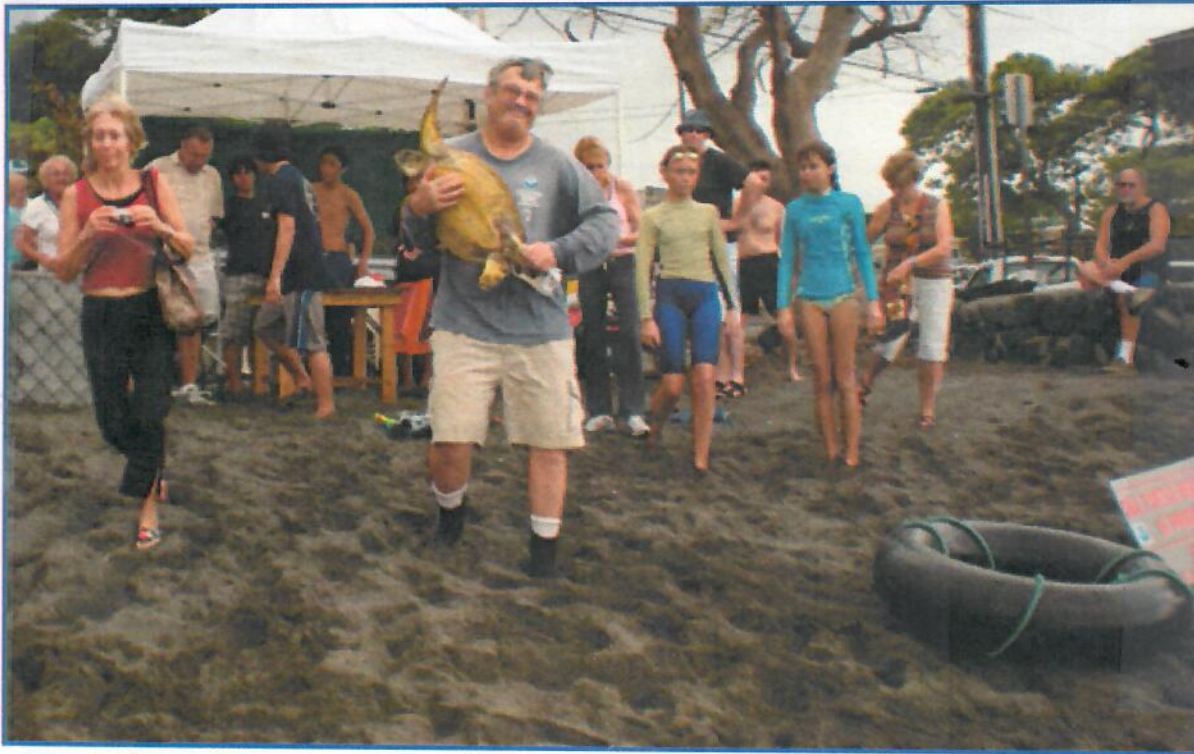
Kumobe said she agreed with Balazs that the program has two good things.

"Being able to hold a turtle is really great," she said. "They're endangered and if we don't protect them, we won't have them anymore."

That's the main thrust of Balazs' second goal: raise public awareness, educate residents and visitors, and support his marine turtle research through NOAA's Pacific Island Fisheries Science Center on Oahu.

(OHI) (139)

“All of them look nice and healthy today,” Balazs said. “Although some of them could probably eat a little more.”



HPA students and beachgoers follow turtle researcher George Balazs as he carries a turtle back to the ocean Thursday, Feb. 5 at Kahaluu Beach Park.

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SEA TURTLE TAGGING FORM

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DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Kiholo	Pond Scoop net
PERSON RECORDING DATA: Karen A		

TUMOR SCORE <input checked="" type="checkbox"/>	OLD TAGS: LH 470A1C5871 RH 470A051558	NEW TAGS: RHF LHF
ORAL TMRS EXT: YES OR NO <input checked="" type="checkbox"/>		
EMACIATION CODE <input checked="" type="checkbox"/>	MT#	

STRAIGHT CARAPACE - LENGTH: 47.3 cm	WIDTH: 37.1 cm
NOTCH LENGTH: 46.3 cm	DB: 0 L.O. VB: 0 L.O.
CURVED CARAPACE LENGTH: 51.0 cm	WIDTH: 45.5 cm
HEAD WIDTH: - cm	LATERAL1: 19.8 cm LATERAL2: 17.1 cm
PPS: YES OR NO OR NE <input type="checkbox"/>	LATERAL3: 13.3 cm SEX: Male, Female or Undetermined <input checked="" type="checkbox"/>
TAIL LENGTH: T 9.0 cm	C 5.0 cm SPECIES: Cm
RIGHT FRONT FLIPPER WIDTH: - cm	SAMPLES COLLECTED:
PLASTRON LENGTH: 38.3 cm	
WEIGHT: 275 # 32.5 lb	

DESCRIPTIVE REMARKS:

Slimy algae on carapace

Fat or Full Fat tail

History
10/14/07
10/14/08

10/14/07 46.9
10/14/08

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Kiholo	Hand point Scoop net
PERSON RECORDING DATA: Karen A		

TUMOR SCORE <input checked="" type="checkbox"/>	OLD TAGS:	RHF: 4B066E4746
ORAL TMRS EXT: YES OR NO <input checked="" type="checkbox"/>		LHF: 4A7E786B78
EMACIATION CODE <input checked="" type="checkbox"/>	MT#	

STRAIGHT CARAPACE - LENGTH:	39.8 cm	WIDTH:	33.5 cm
NOTCH LENGTH:	39.5 cm	DB:	0 L.O.
		VB:	0 L.O.
CURVED CARAPACE LENGTH:	42.5 cm	WIDTH:	40.5 cm
HEAD WIDTH:	- cm	LATERAL1:	15.6 cm
		LATERAL2:	13.8 cm
PPS: YES OR NO OR NE	N	LATERAL3:	11.6 cm
		SEX: Male, Female ^d or Undetermined	U
TAIL LENGTH: T	8.5 cm	C	5.5 cm
RIGHT FRONT FLIPPER WIDTH:	- cm	SAMPLES COLLECTED:	
PLASTRON LENGTH:	33.2 cm		
WEIGHT:	21 lb #		

DESCRIPTIVE REMARKS:
Nothing in mark

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Kiholo	hind POINT SCOOP net
PERSON RECORDING DATA: Karen A		

TUMOR SCORE <input type="checkbox"/> 0	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> —		RHF: 4A3C0F597A
EMACIATION CODE <input type="checkbox"/> 0		LHFL: 4A4507721D
MT#		

STRAIGHT CARAPACE - LENGTH: cm WIDTH: cm

NOTCH LENGTH: cm DB: L.O. VB: L.O.
abnormal groove to notch

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: cm LATERAL1: cm LATERAL2: cm

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

TAIL LENGTH: T cm C cm SPECIES:

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

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Motor tool:
16

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

MT 16

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Kiholo	Pond Scoop Net
PERSON RECORDING DATA: Karen A		

TUMOR SCORE <input type="checkbox"/> 0	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> —		LHF 4526277816
EMACIATION CODE <input type="checkbox"/> 0		RHF 4414450841
MT#		

STRAIGHT CARAPACE - LENGTH:	50.3 cm	WIDTH:	41.6 cm
NOTCH LENGTH:	49.8 cm	DB:	0 L.O.
		VB:	0 L.O.
CURVED CARAPACE LENGTH:	54.0 cm	WIDTH:	48.5 cm
HEAD WIDTH:	— cm	LATERAL1:	21.1 cm
		LATERAL2:	18.6 cm
PPS: YES OR NO OR NE	<input checked="" type="checkbox"/> NE	LATERAL3:	14.5 cm
		SEX: Male, Female or Undetermined	<input checked="" type="checkbox"/> Male
TAIL LENGTH: T	10.5 cm	C	6.5 cm
		SPECIES:	Cm
RIGHT FRONT FLIPPER WIDTH:	— cm	SAMPLES COLLECTED:	
PLASTRON LENGTH:	40.4 cm		Neck biopsy
WEIGHT:	42.5 lb#		

DESCRIPTIVE REMARKS:

No food in mouth.

Growth rings present on plastron scutes

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Anai net
PERSON RECORDING DATA: Karen A	Kiholo

TUMOR SCORE <input type="checkbox"/> 0	OLD TAGS:	4A172E765B
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> —		RHF 
EMACIATION CODE <input type="checkbox"/> 0		LHF 
MT#		4A40046F57

STRAIGHT CARAPACE - LENGTH:	<input type="text" value="41.0"/> cm	WIDTH:	<input type="text" value="33.0"/> cm
NOTCH LENGTH:	<input type="text" value="40.6"/> cm	DB:	<input type="text" value="0"/> L.O.
CURVED CARAPACE LENGTH:	<input type="text" value="44.0"/> cm	VB:	<input type="text" value="0"/> L.O.
HEAD WIDTH:	<input type="text" value="—"/> cm	WIDTH:	<input type="text" value="38.0"/> cm
PPS: YES OR NO OR NE	<input type="text" value="N X X"/>	LATERAL1:	<input type="text" value="15.6"/> cm
LATERAL3:	<input type="text" value="10.2"/> cm	LATERAL2:	<input type="text" value="13.5"/> cm
TAIL LENGTH: T	<input type="text" value="8.0"/> cm	SEX: Male, Female or Undetermined	<input type="text" value="U"/>
C	<input type="text" value="4.5"/> cm	SPECIES:	<input type="text" value="CM"/>
RIGHT FRONT FLIPPER WIDTH:	<input type="text" value="—"/> cm	SAMPLES COLLECTED:	
PLASTRON LENGTH:	<input type="text" value="32.7"/> cm		
WEIGHT:	<input type="text" value="20.0 lbs"/> #		

DESCRIPTIVE REMARKS:

some red ink on flipper (faint)

#12 for day

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Kiholo	Pond
PERSON RECORDING DATA: Karen A		

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

no

EMACIATION CODE

+

OLD TAGS:

RHF

LHF

4B0D563777



4A5C28234E

MT#

STRAIGHT CARAPACE - LENGTH:

37.2 cm

WIDTH:

31.0 cm

NOTCH LENGTH:

36.7 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

39.5 cm

WIDTH:

35.5 cm

HEAD WIDTH:

— cm

LATERAL1:

13.9 cm

LATERAL2:

11.1 cm

PPS: YES OR NO OR NE

N

LATERAL3:

8.9 cm

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T

7.5 cm

C

4.5 cm

SPECIES:

CM

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

30.6 cm

WEIGHT:

14.5 #

DESCRIPTIVE REMARKS:

Missing front right small shub
headed, ralsous over ch
Fishing line amputation

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SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Kiholo	Net
PERSON RECORDING DATA: Karen A		AWAI

TUMOR SCORE <input type="checkbox"/>	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input checked="" type="checkbox"/>		RHF 4628797429
EMACIATION CODE <input type="checkbox"/>		LHF 4629046548
	MT#	

STRAIGHT CARAPACE - LENGTH:	41.7 cm	WIDTH:	33.0 cm
NOTCH LENGTH:	41.6 cm	DB:	0 L.O.
		VB:	0 L.O.
CURVED CARAPACE LENGTH:	44.0 cm	WIDTH:	39.5 cm
HEAD WIDTH:	— cm	LATERAL1:	15.7 cm
		LATERAL2:	13.6 cm
PPS: YES OR NO OR NE	<input checked="" type="checkbox"/> Y	LATERAL3:	10.9 cm
		SEX: Male, Female or Undetermined	<input checked="" type="checkbox"/>
TAIL LENGTH: T	7.5 cm	C	5.0 cm
		SPECIES:	cm
RIGHT FRONT FLIPPER WIDTH:	— cm	SAMPLES COLLECTED:	
PLASTRON LENGTH:	33.9 cm		
WEIGHT:	22.0 lb #		

DESCRIPTIVE REMARKS:

Nothing in mouth, but
 looking like another

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Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form

Version 2 - Aug 2010



Turtle ID

Data Recorded By Laura Jim

Capture Information

Date	<u>11/9/10</u>	Island	<input type="text"/>	Study Site	<u>KIHOLE</u>	Species	<input checked="" type="radio"/> CM <input type="radio"/> EI <input type="radio"/> LO
Capture Method	Hand	Hand/Snorkel	Net	Island Zone	Location	Sex	<input type="radio"/> M <input type="radio"/> F <input checked="" type="radio"/> U
	Scoop Net	<input checked="" type="radio"/> Basking	<input type="text"/>	Latitude	Longitude	Recapture	<input checked="" type="radio"/> Y <input type="radio"/> N
	Stranding	<input type="text"/>	<input type="text"/>	Latitude	Longitude	New Tags	<input type="radio"/> Y <input type="radio"/> N

Old Tags

PIT (LHF)	<u>0000</u> <u>470D062F68</u>	PIT (RHF)	<input type="text"/>
PIT (LFF)	<u>470B45164A</u>	PIT (RFF)	<input type="text"/>
Tag (LHF)	<input type="text"/>	Tag (RHF)	<input type="text"/>
Tag (LFF)	<input type="text"/>	Tag (RFF)	<input type="text"/>
Old MT	<input type="text"/>	Other Tag	<input type="text"/>

one is right (apologize)

New Tags

PIT (LHF)	Tag ()	<input type="text"/>
PIT (RHF)	Other	<input type="text"/>
New MT	Other	<input type="text"/>

Dorsal Measurements		Ventral Measurements	
SCL (cm)	<u>47.3</u>	Lat1 (cm)	<u>17.4</u>
Notch (cm)	<u>47.0</u>	Lat2 (cm)	<u>15.4</u>
SCW (cm)	<u>38.9</u>	Lat3 (cm)	<u>12.8</u>
CCL (cm)	<u>50.0</u>	Plastron (cm)	<u>39.2</u>
CCW (cm)	<u>44.5</u>	Tail (cm)	<u>11.5</u>
Head (cm)	<input type="text"/>	Vent (cm)	<u>8.0</u>
RFF (cm)	<input type="text"/>	Weight (lbs)	<u>32.0</u>

Visual Examination		Tumors					
Tumors	<input checked="" type="radio"/> Y <input type="radio"/> N	Oral Tumors Visible	<input checked="" type="radio"/> Y <input type="radio"/> N	1	2	3	4
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	<input checked="" type="radio"/> Y <input type="radio"/> N	Leech Eggs	<input checked="" type="radio"/> Y <input type="radio"/> N	Mouth			
Flipper Amputated	<input checked="" type="radio"/> Y <input type="radio"/> N	Carapace Damage	<input checked="" type="radio"/> Y <input type="radio"/> N	Neck			
Fish Hook	<input checked="" type="radio"/> Y <input type="radio"/> N	Fishing Line	<input checked="" type="radio"/> Y <input type="radio"/> N	RFF			
Boat Impact	<input checked="" type="radio"/> Y <input type="radio"/> N	Shark Attack	<input checked="" type="radio"/> Y <input type="radio"/> N	LFF			
PPS	<input checked="" type="radio"/> Y <input type="radio"/> N	Photos	<input checked="" type="radio"/> Y <input type="radio"/> N	RHF			
				LHF			
				Tail			
				Seams			

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

7-8 marginal left healed indentation (5 cm in length)

Release Date 11-9-10 Release Site 11-9-10

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 2 - Aug 2010



Turtle ID

[Empty box for Turtle ID]

Data

Recorded By

Laura Jim

Capture Information

Date: 11/9/10
 Island: HAWAII
 Study Site: Kiholo
 Species: CM EI LO
 Sex: M F
 Capture Method: Hand Scoop Net, Hand/Snorkel Net, Basking, Stranding
 Island Zone: [Empty]
 Location: [Empty]
 Recapture: Y N
 Latitude: [Empty]
 Longitude: [Empty]
 New Tags: Y N

Old Tags

PIT (LHF): 4602153147
 PIT (RHF): 46017F3E59
 PIT (LFF): [Empty]
 PIT (RFF): [Empty]
 Tag (LHF): [Empty]
 Tag (RHF): [Empty]
 Tag (LFF): [Empty]
 Tag (RFF): [Empty]
 Old MT: [Empty] Renewed
 Other Tag: [Empty]

New Tags

PIT (LHF): [Empty] Tag (): [Empty]
 PIT (RHF): [Empty] Other: [Empty]
 New MT: [Empty] Other: [Empty]

Visual Examination

Tumors

Tumors	Y	N	Oral Tumors Visible	Y	N	1	2	3	4
Tumor Score		<input checked="" type="radio"/>	Emaciation Code		<input checked="" type="radio"/>				
Dorsal Barnacles		<input checked="" type="radio"/>	Ventral Barnacles		<input checked="" type="radio"/>				
Leeches	Y	<input checked="" type="radio"/>	Leech Eggs	Y	<input checked="" type="radio"/>				
Flipper Amputated	Y	<input checked="" type="radio"/>	Carapace Damage	Y	<input checked="" type="radio"/>				
Fish Hook	Y	<input checked="" type="radio"/>	Fishing Line	Y	<input checked="" type="radio"/>				
Boat Impact	Y	<input checked="" type="radio"/>	Shark Attack	Y	<input checked="" type="radio"/>				
PPS	Y	<input checked="" type="radio"/>	Photos	Y	<input checked="" type="radio"/>				

Dorsal Measurements

Ventral Measurements

SCL (cm): 40.0
 Notch (cm): 39.87
 SCW (cm): can't, due to injury
 CCL (cm): 42.5
 CCW (cm): can't, due to injury
 Head (cm): [Empty]
 RFF (cm): [Empty]
 Lat1 (cm): 14.1
 Lat2 (cm): 12.5
 Lat3 (cm): 9.9
 Plastron (cm): 31.9
 Tail (cm): 8.5
 Vent (cm): 5.0
 Weight (lbs): 16.0

Samples Y N

Release Date

11-9-10

Release Site

Kiholo

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

4th & 5th marginal left healed
 Right hind flipper 1/8 missing and healed

Unused Top 1-19 DATA

153

14

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Honolulu, HI 96822-2396

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6 / 11 / 2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Kiholo	Awai Net.
PERSON RECORDING DATA: Karen A		

TUMOR SCORE <input type="checkbox"/>	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input checked="" type="checkbox"/>		RHF 46287C181A
EMACIATION CODE <input checked="" type="checkbox"/>		LHF 470A1C5420
MT#		

STRAIGHT CARAPACE - LENGTH:	37.9 cm	WIDTH:	30.8 cm
NOTCH LENGTH:	37.6 cm	DB:	0 L.O.
		VB:	0 L.O.
CURVED CARAPACE LENGTH:	40.0 cm	WIDTH:	36.0 cm
HEAD WIDTH:	— cm	LATERAL1:	15.5 cm
		LATERAL2:	13.1 cm
PPS: YES OR NO OR NE	N	LATERAL3:	10.6 cm
		SEX: Male, Female or Undetermined	U
TAIL LENGTH: T	9.0 cm	C	6.5 cm
		SPECIES:	cm
RIGHT FRONT FLIPPER WIDTH:	— cm	SAMPLES COLLECTED:	
PLASTRON LENGTH:	30.8 cm		
WEIGHT:	18.0 #		

DESCRIPTIVE REMARKS:

Nothing in mouth

13

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15

154

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Kiholo	Anai
PERSON RECORDING DATA: Karen A		NET

TUMOR SCORE <input checked="" type="checkbox"/>	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO N		RHF 46284E4C1B
EMACIATION CODE <input checked="" type="checkbox"/>		LHF 4629125B5A
MT#		

STRAIGHT CARAPACE - LENGTH:	48.2 cm	WIDTH:	38.5 cm
NOTCH LENGTH:	48.2 cm	DB:	0 L.O.
		VB:	0 L.O.
CURVED CARAPACE LENGTH:	51.0 cm	WIDTH:	45.0 cm
HEAD WIDTH:	— cm	LATERAL1:	18.9 cm
		LATERAL2:	16.1 cm
PPS: YES OR NO OR NE	N	LATERAL3:	13.5 cm
		SEX: Male, Female or Undetermined	<input type="checkbox"/>
TAIL LENGTH: T	11.0 cm	C	7.0 cm
		SPECIES:	Cm
RIGHT FRONT FLIPPER WIDTH:	— cm	SAMPLES COLLECTED:	
PLASTRON LENGTH:	38.6 cm		
WEIGHT:	34.5 lb #		

DESCRIPTIVE REMARKS:

Carapace 6 Centrals
 Indent Ding in 4th lateral healed.
 One twig red algae in mouth.

16

155

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MT
#50
photos

16

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 6/11/2009

CAPTURE DATE, LOCATION AND METHOD:

6/11/2009	Kiholo	Awai channel	NET
PERSON RECORDING DATA: Karen			

TUMOR SCORE

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

NEW TAGS:

RHF	4708451F4B
LHF	4351480C50

MT#

STRAIGHT CARAPACE - LENGTH:

48.0 cm

WIDTH: 38.6 cm

NOTCH LENGTH: 47.8 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

51.5 cm

WIDTH: 45.5 cm

HEAD WIDTH: cm

LATERAL1: 18.9 cm

LATERAL2: 17.6 cm

PPS: YES OR NO OR NE

LATERAL3: 14.3 cm

SEX: Male, Female or Undetermined

TAIL LENGTH: T 11.0 cm

C 7.5 cm

SPECIES: Cm

RIGHT FRONT FLIPPER WIDTH: cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 38.2 cm

Neck biopsy
INTO ALCOHOL

WEIGHT: 35.0 #

DESCRIPTIVE REMARKS:

Shedding plastron scutes
Nothing in mouth.

9 Jan 09 48 cm 36 lb

221

#03 MAT

17 TOTAL

Photos

es

156

6/11/2009 Kiholo Anai Scoop net

Karen ARTHUR

4150576C03

Chelonia mydas

410111192F

#03

SGL: 45.0, SCL (notch) 45.0 Width: 37.5cm

CCL: 48.5cm, Curved width: 42.5cm

Lat 1: 18.8 cm Lat 2: 16.5 Lat 3: 12.9

PPS: N

Tail (T) 10.0 (C) 6.5

Plastron: 37.3

Neck biopsy for stable isotope analysis

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

Wt: 33⁵ lb

Nothing in mouth

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 Marine Turtle Research Program
 2570 Dole Street
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 (808) 983-5730

Sea Turtle Tagging Form Version 2 - Aug 2010



Turtle ID

Data Recorded By

Capture Information

Date	<input type="text"/>	Island	<input type="text"/>	Study Site	<input type="text"/>	Species	CM	EI	LO
Capture Method	Hand	Hand/Snorkel	Net	Island Zone	Location	Sex	M	F	U
	Scoop Net	Basking				Recapture	Y	N	
	Stranding					Latitude	<input type="text"/>	Longitude	<input type="text"/>

Old Tags

PIT (LHF)	<input type="text"/>	PIT (RHF)	<input type="text"/>
PIT (LFF)	<input type="text"/>	PIT (RFF)	<input type="text"/>
Tag (LHF)	<input type="text"/>	Tag (RHF)	<input type="text"/>
Tag (LFF)	<input type="text"/>	Tag (RFF)	<input type="text"/>
Old MT	<input type="text"/>	Other Tag	<input type="text"/>
Renewed <input type="checkbox"/>			

New Tags

PIT (LHF)	Tag ()	<input type="text"/>
PIT (RHF)	Other	<input type="text"/>
New MT	Other	<input type="text"/>

Dorsal Measurements		Ventral Measurements	
SCL (cm)	<input type="text"/>	Lat1 (cm)	<input type="text"/>
Notch (cm)	<input type="text"/>	Lat2 (cm)	<input type="text"/>
SCW (cm)	<input type="text"/>	Lat3 (cm)	<input type="text"/>
CCL (cm)	<input type="text"/>	Plastron (cm)	<input type="text"/>
CCW (cm)	<input type="text"/>	Tail (cm)	<input type="text"/>
Head (cm)	<input type="text"/>	Vent (cm)	<input type="text"/>
RFF (cm)	<input type="text"/>	Weight (lbs)	<input type="text"/>

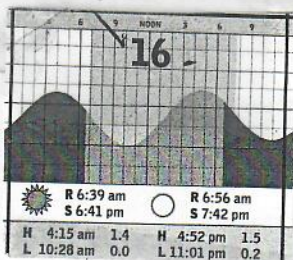
Visual Examination		Tumors					
Tumors	Y N	Oral Tumors Visible	Y N	1	2	3	4
Tumor Score	<input type="text"/>	Emaciation Code	<input type="text"/>	R eye			
Dorsal Barnacles	<input type="text"/>	Ventral Barnacles	<input type="text"/>	L eye			
Leeches	Y N	Leech Eggs	Y N	Mouth			
Flipper Amputated	Y N	Carapace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

Samples Y N

Release Date Release Site

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

Top-165



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Location of Capture

Method of Capture

Kiholo / Scoop Net
 data recorder *Caylin* / date *3/16/10* / Reef-

straight carapace LENGTH **43.5** cm. straight carapace WIDTH **35.9** cm. head width **7.1** cm.
 straight carapace NOTCH **42.9** cm. D.B. flipper width **7.5** cm.
 V.B.
 curved carapace LENGTH **46.5** cm. curved carapace WIDTH **41.0** cm.
 LATERAL 1 **16.8** cm. LATERAL 2 **14.4** cm. LATERAL 3 **11.3** cm.
 PLASTRON LENGTH **35.1** cm. PPS Y/N tumor score oral Tumors
 SEX M/F/undetermined TAIL LENGTH: **8.0** cm. TOTAL CLOACA **5.3** cm.
 WEIGHT **23.5** lbs. emaciation code

location	OLD TAGS
RA	470A49551B
	470A49551B
	470A49551B

location	NEW TAGS
LH	
	460779012F

Samples Collected-- observations and remarks

~~Plastron length~~ ^{left} ~~right~~ H-Tag not reading -
 467C183833

Kiholo MAR 16, 2010
 N=18
 3702

160

2

Location of Capture: Kiholo
 Method of Capture: Scoop net - reef
 data recorder: Caplin
 date: 3/16/10

straight carapace LENGTH: 45.0 cm.
 straight carapace WIDTH: 35.2 cm.
 head width: / cm.
 straight carapace NOTCH: 44.9 cm.
 D.B.:
 V.B.:
 flipper width: / cm.
 curved carapace LENGTH: 48.5 cm.
 curved carapace WIDTH: 41.5 cm.
 LATERAL 1: 18.4 cm.
 LATERAL 2: 16.6 cm.
 LATERAL 3: 13.3 cm.
 PLASTRON LENGTH: 35.7 cm.
 Y/N: tumor score: oral Tumors:
 PPS: Y
 SEX: M/F/undetermined: U
 TAIL LENGTH: TOTAL: 9.5 cm. CLOACA: 6.5 cm.
 WEIGHT: 26.5 lbs. emaciation code:

location	OLD TAGS	location	NEW TAGS
LH	4629305E13		
RH	4414574824		

Samples Collected-- observations and remarks

[Empty box for observations and remarks]

Sept. 07
42.1 sec
29.2 hrs.

3

Location of Capture: Kilolo Method of Capture: boosing hand capture

data recorder: Maiah P. date: 3/16/10

straight carapace LENGTH: 44.7 cm. straight carapace WIDTH: 35.5 cm. head width: cm.

straight carapace NOTCH: 44.6 cm. D.B.: V.B.: flipper width: cm.

curved carapace LENGTH: 47.5 cm. curved carapace WIDTH: 40.5 cm.

LATERAL 1: 16.2 cm. LATERAL 2: 14.3 cm. LATERAL 3: 12.0 cm.

PLASTRON LENGTH: 36.4 cm. PPS: tumor score: oral Tumors:

SEX: M/F/undetermined TAIL LENGTH: 9 cm. TOTAL: 6 cm. CLOACA: 6 cm.

WEIGHT: 25.5 lbs. emaciation code: 0

location	OLD TAGS	location	NEW TAGS
LH	470D07542A		
RH	467D203808		

Samples Collected-- observations and remarks

Right 1st & 2nd lateral & 4th & 5th marginal scutes broken & raised - necrotic material removed & edge of scute cut back

162

50 (KRF)

4

Location of Capture		Method of Capture
Kiholo		Awai Net.
data recorder Maiah P.	date 3/16/2016	

straight carapace LENGTH	48.6 cm.	straight carapace WIDTH	39.0 cm.	head width	/ cm.
straight carapace NOTCH	48.6 cm.	D.B.	∅	flipper width	/ cm.
curved carapace LENGTH	52.0 cm.	V.B.	∅		
LATERAL 1	19.9 cm.	curved carapace WIDTH	46.5 cm.		
PLASTRON LENGTH	39.7 cm.	LATERAL 2	18.6 cm.	LATERAL 3	15.0 cm.
SEX	M/F/undetermined	PPS	Y/N	tumor score	∅
WEIGHT	38.0 lbs.	TAIL LENGTH:	11.5 cm.	oral Tumors	∅
				CLOACA	8 cm.
		emaciation code	∅		

location	OLD TAGS	location	NEW TAGS
LH	1351480C50		
RH	470A451F4B		

Samples Collected-- observations and remarks

Right eye posterior white pimple

apture
Net

5

Location of Capture: Kiholo
 Method of Capture: 552 ~~net~~ basking on rocks in large pond.
 data recorder Maiah P. date 3/16/10

straight carapace LENGTH 43.4 cm. straight carapace WIDTH 34.0 cm. head width 7.3 cm.

straight carapace NOTCH 43.1 cm. D.B. V.B. flipper width cm.

curved carapace LENGTH 46.5 cm. curved carapace WIDTH 41.0 cm.

LATERAL 1 15.9 cm. LATERAL 2 14.3 cm. LATERAL 3 12.3 cm.

PLASTRON LENGTH 33.4 cm. PPS Y/N tumor score oral Tumors

SEX U M/F/undetermined TAIL LENGTH: 9.0 cm. TOTAL 9.0 cm. CLOACA 6.0 cm.

WEIGHT 22.0 lbs. emaciation code

location	OLD TAGS
LH	470B571641
RH	4413191A05

location	NEW TAGS

Samples Collected-- observations and remarks

'M1' Mauna Kani

164

6

Location of Capture

~~Method of Capture~~

Kiholo		hand capture. pond
data recorder Michael B. Laura Jim	date 3/16/10	

straight carapace LENGTH	44.1 cm.	straight carapace WIDTH	35.9 cm.	head width	/ cm.
straight carapace NOTCH	43.9 cm.	D.B.	<input checked="" type="checkbox"/>	flipper width	/ cm.
curved carapace LENGTH	47.5 cm.	V.B.	<input checked="" type="checkbox"/>		
		curved carapace WIDTH	41.5 cm.		
LATERAL 1	16.4 cm.	LATERAL 2	13.9 cm.	LATERAL 3	10.8 cm.
PLASTRON LENGTH	35.2 cm.	Y/N	<input checked="" type="checkbox"/>	tumor score	<input checked="" type="checkbox"/>
		PPS	N	oral Tumors	<input checked="" type="checkbox"/>
SEX	M/F/undetermined U	TAIL LENGTH:	TOTAL 8 cm.	CLOACA	5.5 cm.
WEIGHT	23.5 lbs.	emaciation code	<input checked="" type="checkbox"/>		

location	OLD TAGS	location	NEW TAGS
LH	4670437B07		
RH	470A2A751D		

Samples Collected-- observations and remarks

~~1st from Michael B.~~

7

Location of Capture: Kiholo Method of Capture: Net
 data recorder: Elizabeth J. date: 3/16/10 Awai

straight carapace LENGTH: 42.3 cm. straight carapace WIDTH: 33.2 cm. head width: 7.1 cm. 7.1
 straight carapace NOTCH: 42.0 cm. D.B.: flipper width: 7.9 cm.
 V.B.:
 curved carapace LENGTH: 45.5 cm. curved carapace WIDTH: 40.5 cm.
 LATERAL 1: ~~17.0~~ cm. LATERAL 2: 15.2 cm. LATERAL 3: 12.3 cm.
 PLASTRON LENGTH: 34.9 cm. Y/N tumor score: oral Tumors:
 PPS: N
 SEX: U M/F/undetermined TAIL LENGTH: TOTAL 10 cm. CLOACA 7 cm.
 WEIGHT: ~~23.0~~ 23.0 lbs. emaciation code:
 OLD TAGS: location Left Right
 NEW TAGS: location LH 460760617A
RH 4602386B6A

Samples Collected-- observations and remarks

166

Location of Capture

Method of Capture

8

Kiholo		Scoop net	
data recorder Elizabeth J.	date 3/6/10	Reef	

straight carapace LENGTH straight carapace WIDTH head width cm.

straight carapace NOTCH D.B. flipper width cm.

V.B.

curved carapace LENGTH curved carapace WIDTH LATERAL 1 LATERAL 2 LATERAL 3 PLASTRON LENGTH Y/N tumor score oral Tumors PPS

SEX M/F/undetermined TAIL LENGTH: TOTAL CLOACA WEIGHT ~~53.5~~ emaciation code

location	OLD TAGS	location	NEW TAGS
Left #	4104151F35		
Right #	413621044F		
medial	Q761		
Right	Q762		

RH Q763

Samples Collected-- observations and remarks

167

9

Location of Capture		Method of Capture	
Kihelo		Hand caught Awai	
data recorder Elizabeth J.	date 3/16/10	Reef-Entrance	

straight carapace LENGTH	47.3 cm.	straight carapace WIDTH	39.4 cm.	head width	0 cm.
straight carapace NOTCH	47.1 cm.	D.B.	A	flipper width	0 cm.
		V.B.	0		
curved carapace LENGTH	50.5 cm.	curved carapace WIDTH	45.0 cm.		
LATERAL 1	19.7 cm.	LATERAL 2	17.0 cm.	LATERAL 3	14.2 cm.
PLASTRON LENGTH	39.3 cm.	Y/N		tumor score	0
		PPS	NO	oral Tumors	0
SEX	M/F/undetermined U	TAIL LENGTH: TOTAL	10 cm.	CLOACA	6.5 cm.
WEIGHT	38.0 lbs.	emaciation code	0		

location	OLD TAGS	location	NEW TAGS
L#	4150576003		
R#	41011192F		

Samples Collected-- observations and remarks

Renew moto # '03'	Picture taken of Ventral surface -
KRF-turtle-	

170

Location of Capture

Method of Capture

Kihoko
data recorder S. Inke J. M. date 3/16/11

Handentering
Awa

10

straight carapace LENGTH straight carapace WIDTH head width
 straight carapace NOTCH D.B. flipper width
 curved carapace LENGTH curved carapace WIDTH V.B.
 LATERAL 1 LATERAL 2 LATERAL 3
 PLASTRON LENGTH Y/N tumor score oral Tumors
 SEX PPS N₀
 WEIGHT emaciation code 13
 TAIL LENGTH: TOTAL CLOACA
 M/F/undetermined

location	OLD TAGS
RH	44143E144A
LH	41040B4510
P	410416631E

location	NEW TAGS

Samples Collected-- observations and remarks

LFL	Q722
RFL	Q721
RH	Q723

(171)

75.0.

(11)

Location of Capture: Kiholo
 Date recorder: Sihkea J.M. date: 3/16/10
 Method of Capture: Captured Hand entering gaves

straight carapace LENGTH: 55.4 cm. straight carapace WIDTH: 45.2 cm. head width: / cm.
 straight carapace NOTCH: 55.2 cm. D.B.: 0 flipper width: / cm.
 curved carapace LENGTH: 58.5 cm. curved carapace WIDTH: 54.0 cm. 54.0
 LATERAL 1: 21.0 cm. 21.0 LATERAL 2: 18.6 cm. LATERAL 3: 15.7 cm.
 PLASTRON LENGTH: 45.6 cm. PPS: N₂ tumor score: 0 oral Tumors: 0
 SEX: M/F/undetermined 11 TAIL LENGTH: TOTAL 12 cm. CLOACA 7.5 cm.
 WEIGHT: 53.0 lbs. emaciation code: 0

location	OLD TAGS	location	NEW TAGS
RH	441474289 4414742919		
LH	44552A131A		
RFL	Q606		

metal tags

Samples Collected-- observations and remarks

algae in mouth
 plastron flat

172

12

Location of Capture: Kingia Method of Capture: Awa hand capture
 data recorder: Abigail date: 3/16/10

straight carapace LENGTH: 45.7 cm. straight carapace WIDTH: 38.8 cm. head width: cm.
 straight carapace NOTCH: 45.4 cm. D.B.: flipper width: cm.
 V.B.:
 curved carapace LENGTH: 48.0 cm. curved carapace WIDTH: 47.0 cm.
 LATERAL 1: 18.5 cm. LATERAL 2: 16.2 cm. LATERAL 3: 13.2 cm.
 PLASTRON LENGTH: 37.2 cm. Y/N tumor score: oral Tumors:
 PPS: Y
 SEX: U M/F/undetermined TAIL LENGTH: 10 cm. TOTAL CLOACA: 6.5 cm.
 WEIGHT: 335 g. emaciation code:

location	OLD TAGS	location	NEW TAGS
<u>LH</u>	<u>44396D6C37</u>		
<u>RH</u>	<u>4439711B09</u>		

Samples Collected-- observations and remarks

173

13

Location of Capture

Method of Capture

Viholo		Awa Capture	
data recorder Anigai	date 3-16-10	hand	

straight carapace LENGTH straight carapace WIDTH head width

straight carapace NOTCH D.B. flipper width

curved carapace LENGTH V.B. curved carapace WIDTH

LATERAL 1 LATERAL 2 LATERAL 3

PLASTRON LENGTH PPS Y/N tumor score oral Tumors

SEX M/F/undetermined TAIL LENGTH: TOTAL CLOACA

WEIGHT emaciation code

location	OLD TAGS
RA	4454383478
LH	407A4204351
RFL	4453

location	NEW TAGS

Samples Collected-- observations and remarks

174

14

Location of Capture

Method of Capture

Kiholo		Awai Capture	
data recorder <i>Abigail</i>	date <i>3/16/10</i>	Hand	

straight carapace LENGTH	<input type="text" value="46.6 cm."/>	straight carapace WIDTH	<input type="text" value="38.0 cm."/>	head width	<input type="text" value="/ cm."/>
straight carapace NOTCH	<input type="text" value="46.2 cm."/>	D.B.	<input type="text" value="∅"/>	flipper width	<input type="text" value="/ cm."/>
		V.B.	<input type="text" value="∅"/>		
curved carapace LENGTH	<input type="text" value="49.5 cm."/>	curved carapace WIDTH	<input type="text" value="43.0 cm."/>		
LATERAL 1	<input type="text" value="17.8 cm."/>	LATERAL 2	<input type="text" value="15.6 cm."/>	LATERAL 3	<input type="text" value="12.4 cm."/>
PLASTRON LENGTH	<input type="text" value="38.9 cm."/>	PPS	<input type="text" value="Y"/>	tumor score	<input type="text" value="∅"/>
				oral Tumors	<input type="text" value="∅"/>
SEX	<input type="text" value="U"/>	TAIL LENGTH:	<input type="text" value="9 cm."/>	TOTAL	<input type="text" value="6 cm."/>
WEIGHT	<input type="text" value="31.5 lbs."/>	emaciation code	<input type="text" value="∅"/>		

location	OLD TAGS	location	NEW TAGS
RH	46020A172E		
LH	4414527962		

Samples Collected-- observations and remarks

175

15 

Location of Capture		Method of Capture	
Kinohio		Awai hand	
data recorder	Abigail	date	3/16/10
		Capture	

straight carapace LENGTH	43.5 cm.	straight carapace WIDTH	34.6 cm.	head width	<input type="checkbox"/> cm.
straight carapace NOTCH	43.1 cm.	D.B.	<input type="checkbox"/>	flipper width	<input type="checkbox"/> cm.
curved carapace LENGTH	46.0 cm.	V.B.	<input type="checkbox"/>		
		curved carapace WIDTH	40.5 cm.		
LATERAL 1	16.6 cm.	LATERAL 2	15.0 cm.	LATERAL 3	11.9 cm.
PLASTRON LENGTH	34.0 cm.	Y/N tumor score	<input type="checkbox"/>	oral Tumors	<input type="checkbox"/>
		PPS	N		
SEX	M/F/undetermined U	TAIL LENGTH: TOTAL	8.5 cm.	CLOACA	5.5 cm.
WEIGHT	23.5 lbs.	emaciation code	<input type="checkbox"/>		

location	OLD TAGS
LH	470A1B2E24
RH	470B353C71

location	NEW TAGS

Samples Collected-- observations and remarks

176

Location of Capture

Method of Capture

16

Kiholo		Hand Capture	
data recorder	Amigau	date	3-16-10
		AWAI	

straight carapace LENGTH	53.7 cm.	straight carapace WIDTH	41.5 cm.	head width	<input checked="" type="checkbox"/> cm.
straight carapace NOTCH	53.5 cm.	D.B.	<input checked="" type="checkbox"/>	flipper width	<input checked="" type="checkbox"/> cm.
		V.B.	<input checked="" type="checkbox"/>		
curved carapace LENGTH	57.5 cm.	curved carapace WIDTH	51.0 cm.		
LATERAL 1	22.7 cm.	LATERAL 2	20.4 cm.	LATERAL 3	16.0 cm.
PLASTRON LENGTH	44.0 cm.	Y/N	<input checked="" type="checkbox"/>	tumor score	<input checked="" type="checkbox"/>
		PPS	<input checked="" type="checkbox"/>	oral Tumors	<input checked="" type="checkbox"/>
SEX	M/F/undetermined	TAIL LENGTH:	TOTAL	CLOACA	
	u		11 cm.	7.5 cm.	
WEIGHT	51.0 lbs.	emaciation code	<input checked="" type="checkbox"/>		

location	OLD TAGS	location	NEW TAGS
LH	413E023F0D		
RH	413708571C		

Samples Collected-- observations and remarks

177

17

Location of Capture: **Kiholo** Method of Capture: **Hand**
 data recorder: **Abigail** date: **3-16-0** **Awai**

straight carapace LENGTH: **39.1 cm.** straight carapace WIDTH: **32.0 cm.** head width: **6.7 cm.**
 straight carapace NOTCH: **38.5 cm.** D.B.: **∅** flipper width: **7.2 cm.**
 curved carapace LENGTH: **41.0 cm.** curved carapace WIDTH: **30.5 cm.** RFL: **7.2 cm.**
 LATERAL 1: **14.6 cm.** LATERAL 2: **12.6 cm.** LATERAL 3: **10.3 cm.**
 PLASTRON LENGTH: **32.0 cm.** Y/N tumor score: **∅** oral Tumors: **∅**
 SEX: **U** PPS: **N** TAIL LENGTH: TOTAL **8 cm.** CLOACA: **5.5 cm.**
 WEIGHT: **16.0 lbs.** emaciation code: **∅**

location	OLD TAGS

location NEW TAGS
LH **443A100F1C**
RH **443A10075A**

Samples Collected-- observations and remarks

young

178

END

Kr 106
3/14

18

Location of Capture: **Kinolo** Method of Capture: **Hand**
 data recorder: **Abigail** date: **3-16-10** **Awai**

straight carapace LENGTH: **38.2 cm.** straight carapace WIDTH: **31.2 cm.** head width: **6.1 cm.**
 straight carapace NOTCH: **37.9 cm.** D.B.: flipper width: **7.9 cm.**
 V.B.:
 curved carapace LENGTH: **40.0 cm.** curved carapace WIDTH: **36.5 cm.** RFL: **7.9 cm**
 LATERAL 1: **15.1 cm.** LATERAL 2: **13.0 cm.** LATERAL 3: **11.0 cm.**
 PLASTRON LENGTH: **31.0 cm.** PPS: Y/N: **Y** tumor score: oral Tumors:
 SEX: **U** M/F/undetermined: **U** TAIL LENGTH: **8.5 cm.** TOTAL: **8.5 cm.** CLOACA: **5.5 cm.**
 WEIGHT: **19.0 lbs.** emaciation code:

location	OLD TAGS

location: **LA** NEW TAGS: **452853184C**

 location: **RH** NEW TAGS: **4454706935**


Samples Collected-- observations and remarks

Clean mouth

180



MAGALI
VERDUCI
from
TAHITI

182

See page 95

Argos 50159

11-9-10



[Faint, illegible markings or bleed-through on the lined paper]

183



(184)

San Diego August 1970



ARGOS 50:59
KITTALO 11/9/10

185

KITTALO 11/9/10 ARGOS 50:59



186

MISCELLANEOUS
PHOTOS PUT IN TAPED
BOOK 9/2019.



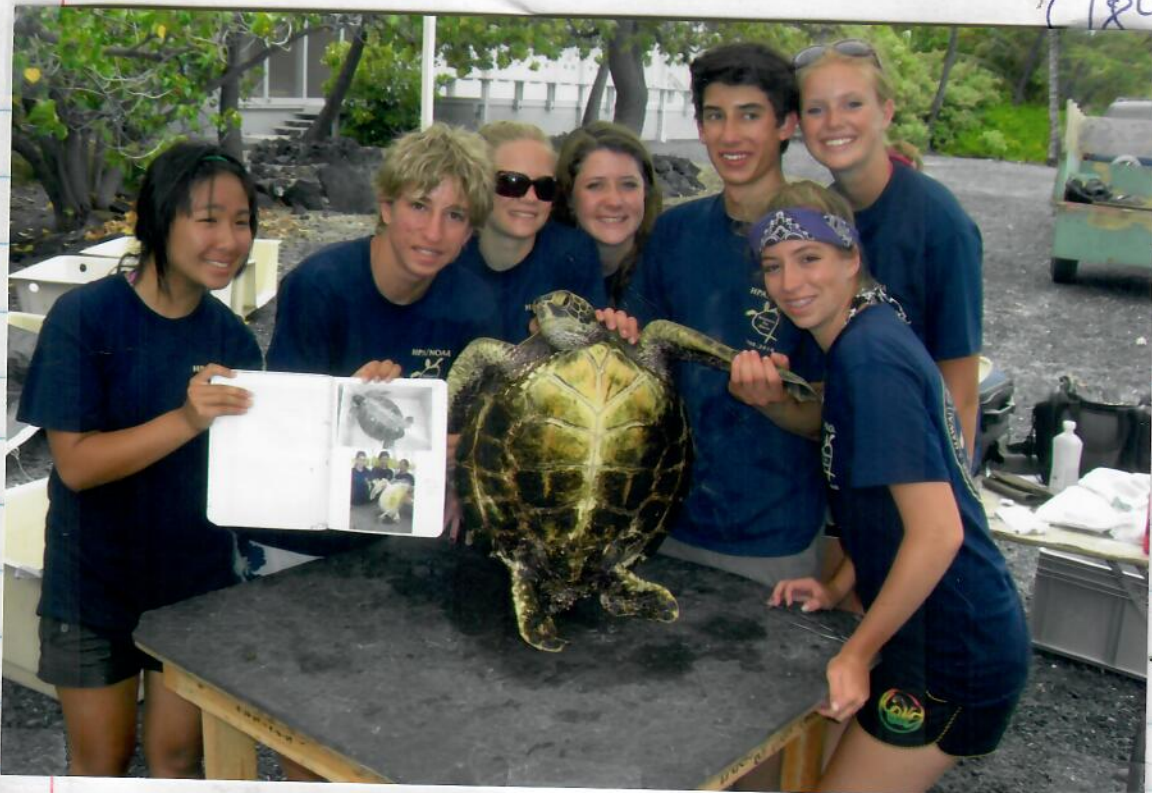
187



188



189



190

Date: Mon, 15 Jun 2009 15:47:13 -1000
From: Marc Rice <mrice@hpa.edu>
To: George Balazs <gbalazs@hpa.edu>
Shawn Murakawa <shawn.murakawa@noaa.gov>
Cc: Marc Rice <mrice@hpa.edu>
Subject: Basking Puako Turtle

Kuholo Book

In Regards to your call yesterday... I couldn't raise anyone at the number you gave me.. no answer no message. I drove down there today and think I found the turtle they were talking about. We had dived there on Friday and it appears the have stayed out until today... my poking around got it moving back into the water. I was fine.. swam away with strength. Long time out of the water but I have been getting reports of that kind of behavior lately. When they tell me that a turtle has been out of the water for 2 or 3 days I usually think they are mistaking multiple exits... this one, however, appears to have been high and dry under a tree for nearly 4 days. Still, it looked and acted fine.

I think it is a ML release-1995? PIT in LFL =1F724A594C
CCL = 54 cm

Date: Mon, 15 Jun 2009 09:23:07 -1000
From: Marc Rice <mrice@hpa.edu>
To: Shawn Murakawa <shawn.murakawa@noaa.gov>
Cc: Marc Rice <mrice@hpa.edu>, George Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Fairmont Orchid Turtle

Kiholo Book

Hi Shawn,

On June 11, staff at the fairmont orchid hotel pulled a "lethargic" green turtle out of their lagoon (19.950 N, 155.862 W) and kept it in a carrier while we were working at Kiholo. Later that afternoon, I stopped by the hotel AT 1630 hours to examine the turtle. The turtle was untagged so we measured and tagged it.

SCL= 53.2, S width = 44.4
curved length = 57, curved width = 52.5
Weight = 41.5

Left Front Flipper 2/3 amputated and healed.

NEW PIT TAGS: LH = 4529654540, RH = 4524070C7F

The critter looked under weight and had a flat plastron. The muscle tone was good and it responded vigorously when agitated. I decided to release the turtle into the lagoon where it was captured. When released, it crawled back out of the water and then back into the water... this behavior concerned me but it did swim off out of sight. In conversation with the beach services folks the next day, I learned that the turtle had not been seen that day so, hopefully, it is out and about. I told them to be sure and call me if the turtle returned and appeared to be in trouble..

191

107

8939
8940

Marine Turtle
NOAA
Pacific Island
2570
Honolulu, H
gbalazs@hon

Tag Information:

Tag Number	Date	Tag Type	Tag Position
443A177218	7/31/2008	PIT	LHF
44537F2A3C	7/31/2008	PIT	RHF
8939	4/28/1988	I681	LFL
8940	4/28/1988	I681	RFL

Date	Type of Encounter	Location:	TumorRank:	NestingAct:	SCD Straight Carapace
4/28/1988	Near Shore	Hawaii, Kiholo	0	-	49.3
10/27/1988	Near Shore	Hawaii, Kiholo	0	-	49.6
5/4/1989	Near Shore	Hawaii, Kiholo	0	-	50.3
1/25/1990	Near Shore	Hawaii, Kiholo	0	-	52.4
7/31/2008	Near Shore	Hawaii, Kiholo, Awai	0	-	89.9

Marine Turtle
NOAA
Pacific Island
2570
Honolulu, H
gbalazs@hon

Tag Information:

Tag Number	Date	Tag Type	Tag Position
443A177218	7/31/2008	PIT	LHF
44537F2A3C	7/31/2008	PIT	RHF
8939	4/28/1988	I681	LFL
8940	4/28/1988	I681	RFL

Date	Type of Encounter	Location:	TumorRank:	NestingAct:	165 Weight
4/28/1988	Near Shore	Hawaii, Kiholo	0	-	37.5
10/27/1988	Near Shore	Hawaii, Kiholo	0	-	38.0
5/4/1989	Near Shore	Hawaii, Kiholo	0	-	40.5
1/25/1990	Near Shore	Hawaii, Kiholo	0	-	43.5
7/31/2008	Near Shore	Hawaii, Kiholo, Awai	0	-	97.5

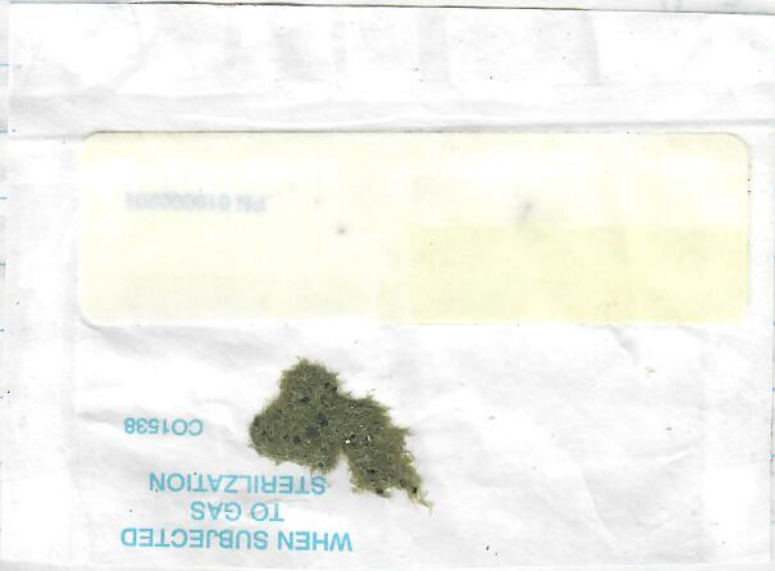
1914

46020A172E RH

Mouth Sample

Turtle feeding in
Awai Pond -

1/29/09
0900 h.



Tag Number	Date	Tag Type	Tag Position
443A1772-5	7/31/2005	RT	LHF
443A1772-6	7/31/2005	RT	RHF
8990	4/28/1985	1001	LFL
8991	4/28/1985	1001	RFL

Date	Type of Encounter	Location	Turn/Freq	Measure	Weight
4/28/1985	Near Shore	Hawaii, Kihou	0		37.5
10/27/1985	Near Shore	Hawaii, Kihou	0		38.0
5/4/1989	Near Shore	Hawaii, Kihou	0		40.5
1/28/1989	Near Shore	Hawaii, Kihou			38.5
1/24/1989	Near Shore	Hawaii, Kihou			38.5

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Feb 18 2009

Big Island Marine Science

Wednesday (Colorado)

(195)

June 9, 2010

KITZOLZ BAY

PARTICIPANTS

<u>Name</u>	<u>Grade</u>	<u>PLACE</u>
Nicole Luchetta	10	Kitzolo
Hayley Love	10	GOLDEN,
Alex Morano	12	CO.
Zach Shepard	12	Littleton CO
Zack Rago	12	Arvada Co.
Kaitlyn Gilbert	12	Golden
Sarah Corvell		

DATA
Pages 00

196

NOVEMBER 9, 2010

PARTICIPANTS LIST

NOM

KITULO

Grade

- | | NOM | Grade |
|----|----------------------------------|-------|
| 1 | Jing Zhou | 12 |
| 2 | Mariko Thorbecke | 11 |
| 3 | Lauren Holdcroft | 12 |
| 4 | Nagali Verbucci French Polynesia | — |
| 5 | Kaui Taylor | 7 |
| 6 | Jordan Virtue | 7 |
| 7 | Oscar Winga | 7 |
| 8 | Kana'ikai Gaugen | 7 |
| 9 | Bodie Freitas | 7 |
| 10 | Rae Cardoso | 7 |

HRA

Notes:

007454

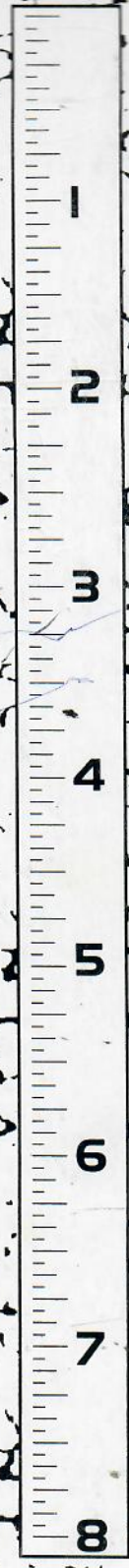
06/15/2009



TABLES OF MEASURE



1/29/09
Kitho



yd	yards	0.90	meters	m
mi	miles	1.60	kilometers	km
AREA				
in ²	square inches	6.50	square centimeters	cm ²
ft ²	square feet	0.09	square meters	m ²
yd ²	square yards	0.80	square meters	m ²
mi ²	square miles	2.60	square kilometers	km ²
	acres	0.40	hectares	ha
TEMPERATURE (exact)				
°F	Fahrenheit temperature	0.555	Celsius temperature	°C
	(after subtracting 32)			
VOLUME				
tsp	teaspoon	5.00	milliliters	ml
Tbsp	tablespoon	15.00	milliliters	ml
fl. oz.	fluid ounces	30.00	milliliters	ml
c	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quart	0.95	liters	l
gal	gallons	3.80	liters	l
ft ³	cubic feet	0.03	cubic meters	m ³
yd ³	cubic yards	0.76	cubic meters	m ³
MASS				
oz	ounces	28.00	grams	g
lb	pounds	0.45	kilograms	kg
	short tons	0.09	tonnes	t

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Bay Shore, New York 11706
MADE IN INDIA

2/2011
KITHOLO

Draft Turtle Blood Protocol
Version 2011.02.05

+ TS 3, 2, 0
+ sizes
+ Time held ~ same

+ inverter
+ BATTERY

Intro: Plasma from different behavioral or health categories of green sea turtles will be collected for a metabolomic project in collaboration between NOAA PIFSC and NIST NRM facility. It is important to maintain consistency in timing of turtle capture (shoot for same time of day), turtle sample collection (shoot for as fast as possible), sample processing (shoot for immediately), and sample storage (shoot for immediate freezing); as well as sample storage conditions (shoot for -80 °C immediately with no freeze/thaw cycles).

Resting
2 BI
VS
MOVING

1. Record turtle location, date, turtle capture time, sampling time, category (basking vs non-basking, tumored vs. non-tumored), any other comments about the turtle (e.g. how long did you observe it doing said behavior).
2. Draw blood from dorsocervical sinus using a plastic syringe as quickly as possible from the time of capture. Draw enough so that NIST can receive a minimum of 1 mL of plasma.
3. Transfer blood into a lithium heparin glass or plastic Vacutainer tube (fill the tube with blood, otherwise the excess heparin will cause hemolysis). Record the tube's material type (plastic or glass).

Note: If enough blood is available, fill additional lithium heparin tubes for analytical methods development and replicate analysis.

4. Slowly and smoothly invert the tube(s) 5 times. Do not shake.
5. Place it in a cooler with wet ice, but protected from touching the ice directly (wrap in bubble wrap or place in a cup with paper towels).
6. Centrifuge blood to separate the plasma from the RBCs. Ideally this would occur rapidly after sample collection and the centrifuge would be refrigerated with a swinging bucket rotor. Record the date and time of processing, the temperatures associated with the processing timeframe, and the amount of time the sample was kept outside of cooled conditions.
7. Transfer the plasma with a plastic pipet into a plastic cyrovial. Use the same lot number (or bag) of pipets and cyrovials for the entire project, as these materials may introduce unknown compounds that show up by NMR.

Note: If enough plasma is available, fill additional cryovials for analytical methods development and replicate analysis.

8. Label the cryovials with the turtle ID, date of collection and category (basking vs non-basking, tumored vs. non-tumored).

Example: (I don't know how the turtles are 'named') T00230-10Feb11-tumors
Or if the spreadsheet is completed properly, it could be just: PL001-A (and subsequent replicates would be B, C, etc.) The spreadsheet then is key to the process.

9. Freeze plasma as soon as possible at -80 °C or on dry ice and avoid freeze/thaw cycles.
10. Record date, time and temperature conditions for each transfer of the samples until they reach NIST. (This is very desirable, but probably impractical? Chain of custody form?)

Turtle Blood Collection Record

Version 1

Item	Location	Date	Capture Time	Sample Time	Category	Handler or Sampler Name	Field Notes and Comments	Number of heparin tubes collected	Date of centrifugation	Time of centrifugation	Processing Notes and Comments	Cryovial Label
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												



\$525

Hawaiian Black Coral
"Honu" Pendant in 14K Gold