

BALAZS LISIANSKI + 19H166 Book 2

G.H. BALAZS

Table 3.--Growth measurements for juvenile green turtles, Chelonia mydas, recaptured at Lisianski Island, 25 April to 9 August 1983 (C = curved length x width, S = straight length x width).

Tag No.	Date first measured	Measurements (cm)	Date of recovery and measurement	Measurement (cm)	Interval in months	Growth rates per month (cm)
2843, 2844	7/20/78	C 53.3 x 47.0	✓ 5/9/83	C 59.0 x 51.4	59	C 0.10
2851, 2852	10/3/78	S 42.5 x 32.4	✓ 5/6/83	S 50.7 x 38.1	56	S 0.15
2857, 2858	8/7/82	C 56.5 x 52.6	✓ 5/29/83	C 60.1 x 53.7	11	C 0.33
5828	4/12/82	C 53.0	✓ 5/31/83	C 53.9 x 46.5	15	C 0.06
5829, 6753	4/18/82	C 50.0	✓ 5/10/83	C 51.0 x 45.7	13	C 0.08
5833, 6759	5/17/82	S 52.0	✓ 5/24/83	S 53.2 x 43.1	12	S 0.10
5854, 6325	7/13/82	S 58.2 x 48.7	✓ 5/30/83	S 59.4 x 49.4	12	S 0.10
6281, 6282	8/13/82	S 59.5 x 49.3	✓ 5/24/83	S 59.7 x 49.3	11	S 0.02
2859, 2860	8/15/82	S 42.0 x 35.9	✓ 6/9/83	S 42.3 x 36.2	11	S 0.03
6316, 6317	8/28/82	C 52.5 x 48.6	✓ 7/4/83	C 53.2 x 49.8	11	C 0.07

<u>DATE</u>	<u>TAG NOS</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
8/20/82 ✓	6297 6298	S- 37.4 x 32.5 C- 40.5 x 37.8 PL- 29.5 HEAD- 6.8 TAIL - 7.0	10

<u>DATE</u>	<u>TAG NOS</u>	<u>MEASUREMENTS</u>	<u>Loc</u> <u>10</u>
8/23/82 ✓	6305 6306	S-45.4 x 38.1 C-48.4 x 45.1 PL-35.9 HEAD-7.8 TAIL-8.0	

72 & 92.

9

<u>DATE</u>	<u>TAG NOS</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
8/23/82 ✓	6307 6308	S-42.8 x 36.2 C-45.7 x 41.6 PL-35.2 HEAD- 6.9 TAIL- 7.0	sec. 10
11/7/82 ✓	6307 R 6308 L	S- 43.1	sec. 43 HSS

<u>DATE</u>	<u>TAG NOS</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
8/27/82 ✓	6310	S-44.8 x 36.7	10
	6311	C-47.8 x 42.5	
		PL-35.1	
		HEAD-6.9	
		TAIL-9.4	

<u>DATE</u>	<u>TAG NOS</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
8/27/82 ✓	6312	S-44.3 x 37.3	10
	6313	C-47.3 x 43.7	
		PL-35.6	
		HEAD-6.9	
		TAIL-8.7	

<u>DATE</u>	<u>TAG NOS</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
8/27/82	6314 6315	S-49.1 x 39.9	10

C-51.8 x 47.2

PL-40.2

HEAD-7.7

TAIL-9.0



76886

17

<u>DATE</u>	<u>TAG NOS</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
8/28/82 ✓	6316 6317	S-48.4 x 40.5 C-52.5 x 48.6 PL-38.5 HEAD 7.9 TAIL - 10.3	5
10-30-82 ✓	6316 R 6317 L	S-49.5	03 JRH
11/21/82 ✓	6317 Left 6316 R NOT checked (TAG PRESENT)	S-49.0	sec 4 JRH

<u>DATE</u>	<u>TAG NOS</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
8/29/82 ✓	6319 6320	S-39.1 x 32.5 C-41.6 x 37.8 PL-32.1 HEAD-6.3 TAIL-7.3	2

<u>DATE</u>	<u>TAG NOS.</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
8/30/82 ✓	6321 6322	S- 45.7 x 36.0 C- 48.9 x 43.2 PL- 37.0 HEAD- 7.4 TAIL- 9.0	18

<u>DATE</u>	<u>TAG NOS.</u>	<u>MEASUREMENTS</u>	<u>Loc</u> Camp
9/11/82 ✓	6331	S-49.9 x 40.3	
	6332	C-52.8 x 47.5	
		PC-40.8	
		HEAD-7.6	
		TAIL-9.0	

<u>DATE</u>	<u>TAG NOS.</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
9/11/82 ✓	6333	S-45.1 x 35.3	Camp
	6334	C-47.9 x 39.7	
		PL-36.1	
		HEAD-7.3	
		TAIL-9.5	

81

27

LAST ENTRY-  
TAGGING this  
expedition by  
A. KAM

<u>DATE</u>	<u>TAG NOS.</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
9/13/82 ✓	6335	S-43.0 x 34.7	4
	6336	C-46.2 x 40.4	
		PL-34.0	
		HEAD-7.1	
		TAIL-8.0	

<u>DATE</u>	<u>TAG NOS.</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
11/4/82 ✓	6476 (pulled out) 6477 LFC	S-53.6 cm	JH

<u>DATES</u>	<u>TAG NOS.</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
11/5/82 ✓	6478 RFC	S- 88.8	Male

— TAIL MISSING  
 — CHUNK MISSING  
 IN SKEL - Right



<u>DATES</u>	<u>TAG NOS.</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
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11/9/82 ✓

6481R

S-49.8

43  
BASKING

MISSING bite-shaped "U"  
from tip of left FF.  
~ 4cm deep

<u>DATES</u>	<u>TAG NOS.</u>	<u>MEASUREMENTS</u>	<u>Loc</u>
11/10/82 ✓	6483R	S-49.1	sec 20 Basking SS
1yr 8 months = 20 months		old tag scar apparent in right FL	
7/12/84 ✓	6483R 8557 L (new)	S-49.6 S-0.5	sec Alcorn 20 Robert and Robert Forsythe
		0.025 cm/month or 0.3 cm/yr	

DATESTAG NOS.MEASUREMENTSLoc

11/10/82 ✓

6482 L

S-74.2

♀?

see 20

JH.

11/15/82

6484 L

S-93.1

see 20

<u>DATE</u>	<u>TAG NOS.</u>	<u>Measurements</u>	<u>Loc</u>
11/12/82 ✓	6484 L 6485 R	S-92.8	sec 16 SS
11/13/82 ✓	6484, 6485	S-93.1	sec 11

<u>DATE</u>	<u>TAG NOS.</u>	<u>Measurements</u>	<u>Loc</u>
11/12/82 ✓	6486 L 6487 R	S - 88.0 cm	Basking SS

<u>DATE</u>	<u>TAG NOS.</u>	<u>Measurements</u>	<u>Loc</u>
11/20/82 ✓	6488 L 6491 L	S-80.2	Ø7 BASKING sec 13 "irregular notch 6-7cm deep on LH Flipper"

DATE

TAG NOS

Measurements

Loc

11/21/82 ✓

6490 R  
6491 L

S-83.5 ♂

Sec 27

JH

## Pearl &amp; Hermes

ID numbers of new tags attached and any old tags already present <sup>1</sup>		Species <sup>2</sup> and sex (if known)	Date and time	Place-name location (or latitude and longitude)	Activity of the turtle <sup>3</sup>	Curved carapace length <sup>4</sup>
Left front flipper	Right front flipper					
W911	—	Green F	8/18/91 1915	PoH NORTH / 1	Basking	83.0 82.0 curved width
W908	—	Green M	8/18/91 1922	PoH NORTH / 1	Basking	84.5 80.0 width
W907	—	Green M	8/18/91 1928	PoH NORTH / 1	Basking	91.0 89.5 curved width



ID numbers of new tags attached and any old tags already present <sup>1</sup>		Species <sup>2</sup> and sex (if known)	Date and time	Place-name location (or latitude and longitude)	Activity of the turtle <sup>3</sup>	Curved carapace length <sup>4</sup>
Left front Flipper	Right front Flipper					
W917	W910 <del>W910</del>	Green <del>TS</del> <del>SW-TH</del>	8/8/91 1755	PEH North Island Sector 7	Basking on the beach	55.0 cm Curved length. 54.3 cm Straight 51.0 cm Curved width 49.7 cm straight 81.0 cm Curved length 77.0 curved width
W915	-	Green <del>TS</del>	8/17/91 1904			
W913	W912	Green <del>TS</del> F	8/17/91 1911	PEH North IS Sector 7	Basking	82.0 length Curved 76.0 width
W910	W909	<del>TS</del> F	8/18/91 1910	North / 1	Basking	82.5 Curved length 82.0 Curved width

ID numbers of new tags attached and any old tags already present <sup>1</sup>		Species <sup>2</sup> and sex (if known)	Date and time	Place-name location (or latitude and longitude)	Activity of the turtle <sup>3</sup>	Curved carapace length <sup>4</sup> CM
Left front flipper	Right front flipper					
W924	W925	Green T2 sex UK	8/6/91 1343	Pearl & Hermes Southeast Island	resting on beach basking <del>resting on beach</del>	50.75 straight 45.5
upside down caps W922	W923	Green T2 sex UK	8/6/91 1116	P&H North Island	resting on beach basking	curved 61.0cm
W920	W921	Green T2 sex UK	8/6/91 1453	P&H North Island	resting on beach basking	curved 57.0cm
W918	W919	Green T2 sex UK	8/7/91 1422	P&H Little North	resting on beach	66.5cm curved length 62.6cm curved width

ID numbers of new tags attached and any old tags already present <sup>1</sup>		Species <sup>2</sup> and sex (if known)	Date and time	Place-name location (or latitude and longitude)	Activity of the turtle <sup>3</sup>	Curved carapace length <sup>4</sup>
Left front flipper	Right front flipper					
W927	W926	Green UKSX T1	9/8/11 1818	North Island Pearl & Hermes Sector 1	Basking	47cm Curved length 39cm Curved width

ID numbers of new tags attached and any old tags already present <sup>1</sup>		Species <sup>2</sup> and sex (if known)	Date and time	Place-name location (or latitude and longitude)	Activity of the turtle <sup>3</sup>	Curved carapace length <sup>4</sup>
Left front flipper	Right front flipper					
H351	H352	C. mydas T1 Sex UKX	7-27-92	SE1, Pt A Pearl & Hermes SE Island	basking	58cm Curved 51.5 Curved
		LISA	Hiruki			



SUMMARY OF GREEN TURTLE RESIGHTS/TAGGINGS  
 LISIANSKI ISLAND, 1992

L. Hiruki, 9/10/92

TAG NO. left right	Date	Location (sector)	status	measurements (cm)		Obs
				length	width (curved)	
<u>ADULT MALES</u>						
V-228	4/01	11	basking	--	--	ERE
V-214	5/20/92	01	basking	88	77	HLJ
<u>ADULT FEMALES</u>						
4224	3/25/92	10	basking	--	--	LMH
2951	"	"	(same animal as above)	--	--	LMH
V-235	3/25	10	basking	--	--	HLJ
5914	4/10	11	basking	--	--	LMH
V-224	5/18	11	basking	94	87	LMH
5930	5/18	17	basking	98	93	LMH
2943 (H-304)	-had another tag on left flipper; couldn't read					
5540	5/19	11	basking	86	78	HLJ
5936	5/19	19	basking	92	88	LMH
	5/20	16	basking	--	--	LMH
<u>IMMATURES</u>						
F235	4/10	11	basking	--	--	HLJ
V-237	4/24	11	basking	(really tiny)		LMH
6666	5/15	11	basking	66	60	LMH
V-235	7/05	11	basking	--	--	HLJ
<u>Newly tagged</u>						
<u>ADULT FEMALES</u>						
(2943) H-304	5/19/92	11	basking	86	78	HLJ
H-305	5/19	11	basking	80	75	ERE
<u>IMMATURES</u>						
H-302	5/19	11	basking	43	39	LMH
H-307	6/18	20	basking	49	43	ERE

## METRIC SYSTEM WITH U.S. EQUIVALENTS

### METRIC UNIT (1) U.S. EQUIVALENT

#### LENGTH

millimeter	(mm)	0.04 inches
centimeter	(cm)	0.39 inches
decimeter	(dm)	3.94 inches
meter	(m)	39.37 inches
decameter	(Dm)	32.81 feet
hectometer	(hm)	109.36 yards
kilometer	(km)	0.62 miles
myriameter		6.2 miles

#### AREA

square centimeter	(cm <sup>2</sup> )	0.155 sq. inches
square meter	(m <sup>2</sup> )	1.196 sq. yards
are	(a)	119.60 sq. yards
hectare	(ha)	2.47 acres
sq. kilometer	(km <sup>2</sup> )	0.3861 sq. miles

#### WEIGHT

milligram	(mg)	0.015 grains
centigram	(cg)	0.154 grains
decigram	(dg)	1.1543 grains
gram	(g)	0.035 ounces
decagram	(Dg)	0.353 ounces
hectogram	(hg)	3.527 ounces
kilogram	(kg)	2.2046 pounds
quintal		220.46 pounds
metric ton		1.1 tons

### METRIC UNIT (1) U.S. EQUIVALENT

#### VOLUME

cubic centimeter	(cm <sup>3</sup> )	0.061 cubic inches
cubic decimeter	(dm <sup>3</sup> )	0.0353 cubic feet
cubic meter	(m <sup>3</sup> )	1.31 cubic yards
cubic decameter	(Dm <sup>3</sup> )	13.10 cubic yards

#### CAPACITY, CUBIC

milliliter	(ml)	0.06 cubic inches
centiliter	(cl)	0.6 cubic inches
deciliter	(dl)	6.1 cubic inches
liter	(l)	61.02 cubic inches
decaliter	(Dl)	0.35 cubic feet
hectoliter	(hl)	3.53 cubic feet
kiloliter		1.31 cubic yards

#### CAPACITY, DRY

deciliter	(dl)	0.18 pints
liter	(l)	0.908 quarts
decaliter	(Dl)	1.14 pecks
hectoliter	(h)	2.84 bushels

#### CAPACITY, LIQUID

milliliter		0.27 fluidrams
centiliter		0.338 fluidounces
deciliter		0.21 pints
liter		1.057 quarts
decaliter		2.64 gallons

02359

\$7.02