

BALAZS

FFS

1993-1995

G.H. BALAZS

2 OF 3

EXP. 39 FFS 4803/4804 → 1993

EXP. 40 FFS → 1995

22125
22133

JUNE 2 1995

P. 55-63

IOTA-055-

GBI WH6BLQ

MARES

DATE 7/3/95

SEA TURTLE
NECROPSY REPORT SHEET

SUBMITTING ID NO.

F637
RFLSubmitting Prosector
Mitch Craig

Address

Phone

Genus	Species	Carapace LXW	Plastron LXW	Head W	Weight	Sex
<u>Chelonia</u>	<u>mydas</u>	Str	Str		Wt.	Sex
		Curv 99.0 cm	Curv 71.0		188	F

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding location, date and time of autopsy, etc.)

Turtle seen on runway at approx. 1100. Taken to PPS - yes
S.W. corner of island & placed on sand. Turtle was actively moving front flipper and did not appear abnormal in any obvious way.

Turtle observed to be dead @ ~ 1515.

Turtle entered onto runway @ 9665 m. mark. Headed directly west along runway ~ 100 m before

Specimen submitted	Preservation	Condition of Specimen at Necropsy
Moribund <input type="checkbox"/> Dead <input checked="" type="checkbox"/>	Fresh <input type="checkbox"/> Fixed <input checked="" type="checkbox"/>	
Tissues <input type="checkbox"/>		

Tissues submitted:

Histopathological -

Bacteriological (smears, tissues, cultures) -

Virological (frozen) -

Parasitological (AFA) -

Toxicological (frozen) -

GROSS FINDINGS:

External (including skin, plastron, carapace)

nothing unusual.

Fairly emaciated

Head (including mouth, eyes, nares, salt glands, brain)

79

nothing unusual

Gastrointestinal Tract (including liver, spleen, pancreas, mesentery)

nothing unusual

Lungs and Heart (including trachea, bronchi, great vessels)

trachea: seaweed present in upper portion of trachea.

Urogenital System (including kidneys, bladder, gonads, accessory tubes, cloaca)

tissue samples - kidneys pancreas (?)

heart
fat
muscle
liver
stomach contents
trachea
esophagus
galbladder

Skeletal Muscle and Osseous System

22125 ♂ 6/8/95 0825 h released EAST ISLAND 83

LC3
23.786N
166.206W

+ 10h = 1825h

U672
U673
U674
U675

IN wild →

SL-85.9

22125 Date : 08.06.95 09:33:07 LC : B IQ : 00
Lat1 : 23.775N Lon1 : 166.216W

22125 Date : 08.06.95 16:58:44 LC : 0 IQ : 58
Lat1 : 23.777N Lon1 : 166.209W

22125 Date : 08.06.95 18:39:02 LC : 0 IQ : 58
Lat1 : 23.784N Lon1 : 166.207W

22125 Date : 09.06.95 05:51:08 LC : B IQ : 00
Lat1 : 23.691N Lon1 : 166.181W

22125 Date : 09.06.95 07:35:24 LC : B IQ : 00
Lat1 : 23.874N Lon1 : 166.448W

22125 Date : 09.06.95 18:20:30 LC : 0 IQ : 50
Lat1 : 23.805N Lon1 : 166.369W

22125 Date : 09.06.95 21:53:33 LC : B IQ : 00
Lat1 : 23.834N Lon1 : 166.381W

22125 Date : 11.06.95 05:08:42 LC : 1 IQ : 56
Lat1 : 23.767N Lon1 : 166.257W

22125 Date : 11.06.95 21:23:59 LC : A IO : 00
Lat1 : 23.779N Lon1 : 166.197W

Depart →

22125 Date : 12.06.95 18:54:16 LC : A IQ : 00
Lat1 : 23.775N Lon1 : 166.166W

22125 Date : 13.06.95 06:07:33 LC : B IQ : 00
Lat1 : 23.797N Lon1 : 165.809W

22125 Date : 16.06.95 06:38:04 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ????????

22125 Date : 16.06.95 17:23:35 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ????????

22125 Date : 18.06.95 06:00:29 LC : Z IQ : 10
Lat1 : 23.276N Lon1 : 164.562W

22125 Date : 18.06.95 22:51:20 LC : B IQ : 00
Lat1 : 22.906N Lon1 : 164.834W

22125 Date : 18.06.95 18:19:19 LC : Z IQ : 10
Lat1 : 22.685N Lon1 : 163.518W

22125 Date : 18.06.95 20:01:25 LC : B IQ : 00
Lat1 : 23.034N Lon1 : 164.724W

09092 22125 7 6 D
1995-06-17 18:37:52 1 231 93 172 121
00 00

22125 Date : 19.06.95 18:01:54 LC : B IQ : 00
Lat1 : 22.840N Lon1 : 164.384W

22125 ♂

22125 Date : 19.06.95 19:40:31 LC : B IQ : 00
 Lat1 : 22.814N Lon1 : 164.368W

22125 Date : 20.06.95 05:09:25 LC : B IQ : 00
 Lat1 : 22.713N Lon1 : 164.208W

22125 Date : 20.06.95 17:41:12 LC : B IQ : 00
 Lat1 : 22.595N Lon1 : 163.987W

22125 Date : 21.06.95 17:18:27 LC : A IQ : 00
 Lat1 : 22.347N Lon1 : 163.888W

22125 Date : 21.06.95 18:55:58 LC : 2 IQ : 58
 Lat1 : 22.307N Lon1 : 163.867W

22125 Date : 23.06.95 18:12:31 LC : B IQ : 00
 Lat1 : 22.209N Lon1 : 163.303W

22125 Date : 24.06.95 19:33:03 LC : A IQ : 00
 Lat1 : 22.298N Lon1 : 162.908W

22125 Date : 25.06.95 19:10:42 LC : A IQ : 00
 Lat1 : 22.122N Lon1 : 162.571W

22125 Date : 26.06.95 17:08:38 LC : B IQ : 00
 Lat1 : 21.926N Lon1 : 162.185W

22125 Date : 26.06.95 18:46:46 LC : B IQ : 00
 Lat1 : 21.922N Lon1 : 162.218W

22125 Date : 27.06.95 18:28:33 LC : 0 IQ : 50
 Lat1 : 21.766N Lon1 : 161.632W

22125 Date : 27.06.95 22:54:00 LC : B IQ : 00
 Lat1 : 21.733N Lon1 : 161.458W

22125 Date : 29.06.95 17:45:49 LC : A IQ : 00
 Lat1 : 21.385N Lon1 : 160.590W

22125 Date : 30.06.95 17:22:54 LC : 1 IQ : 50
 Lat1 : 21.489N Lon1 : 160.225W

22125 Date : 04.07.95 19:13:25 LC : B IQ : 00
 Lat1 : 21.600N Lon1 : 158.125W

22125

Lon2 : 156.850W

LC : B IQ : 00

Lat2 : 21.184N

Date : 28.07.95 19:40:28

Lon1 : 139.312W

INSERT - NOT IN ADS
- on Backup 7/95

22125 Date : 06.07.95 22:53:15 LC : B IQ : 00
Lat1 : 21.445N Lon1 : 157.663W

22125 Date : 07.07.95 18:09:11 LC : B IQ : 00
Lat1 : 21.396N Lon1 : 157.232W

22125 Date : 08.07.95 05:23:01 LC : B IQ : 00
Lat1 : 21.176N Lon1 : 157.221W

22125 Date : 10.07.95 17:08:18 LC : B IQ : 00
Lat1 : 21.133N Lon1 : 156.867W

22125 Date : 19.07.95 19:54:20 LC : A IQ : 00
Lat1 : 21.061N Lon1 : 156.929W

plotted

22125 Date : 22.07.95 20:51:13 LC : B IQ : 00
Lat1 : 20.969N Lon1 : 156.709W

22125 Date : 23.06.95 07:29:23 LC : B IQ : 00
Lat1 : 22.129N Lon1 : 163.214W

NOTE:
23 JUNE 95
BACK
POSITION

09092 22125 3 6 F
1995-08-28 19:36:27 1 234 960 345 60
00 00

09092 22125 3 6 F
1995-08-29 08:34:55 1 235 133 168 00
00 00

22125 Date : 05.09.95 05:31:55 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ????????

09092 22125 3 6 F
1995-09-05 08:42:05 1 234 34 665 31
00 01

09092 22125 3 6 D
1995-09-05 05:31:56 1 236 1074 665 31
00 00

09092 22125 3 6 F
1995-09-06 19:15:07 1 236 205 11 60
00 00

09092 22125 3 6 F
1995-09-06 21:04:51 1 237 87 347 60
00 00

X

22125 01

22125 Date : 12.09.95 17:10:31 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
234 72 228 348
00 00

22125 Date : 09.10.95 19:08:18 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
231 111 657 147
00 00

22125 Date : 09.10.95 22:35:16 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
238 66 145 147
00 00

22125 Date : 10.10.95 17:07:02 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
230 1473 312 68
00 00

22125 Date : 12.10.95 05:26:59 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
233 80 452 47
00 00

✓ 22125 Date : 22.10.95 05:10:19 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
230 12 201 105
00 00

✓ 2 22125 Date : 24.10.95 06:09:36 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
229 108 503 42
00 00

✓ 3 22125 Date : 27.10.95 17:37:49 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
234 329 429 49
00 00

✓ 4 22125 Date : 27.10.95 22:37:36 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
233 1049 429 49
00 00

X 22125 Date : 07.11.95 06:05:41 LC : A IQ : 60
Lat1 : 21.075N Lon1 : 156.936W
227 31384 42392 52
00 00

Panahaha
Matoko

22125 Date : 12.11.95 18:23:11 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
229 2100 392 54
00 00

22125 Date : 16.11.95 06:13:27 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ???????
232 1341 211 100
02 32

22125 Date : 22.11.95 18:08:33 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ???????

233 885 518 40

00 00

22125 Date : 27.11.95 17:55:13 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ???????

230 06 360 59

00 01

22125 Date : 28.11.95 17:35:11 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ???????

231 143 182 117

00 00

22125 Date : 22.12.95 17:16:18 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ???????

231 122 329 55

00 00

22125 Date : 23.12.95 18:30:05 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ???????

231 139 290 71

00 00

22125 Date : 25.12.95 17:47:23 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ???????

196 3177 4281 37893

00 00



- 1) 894T/895T T24T 7/17/97 - not in TDPS
- 2) 5T - not in TDPS, can't find in yellow book, low "-T" tag series
- 3) A712 not w/G192 - 2 different turtles
- 4) U75 not w/U76, = 2 different turtles
- 5) 41503C7916 - not found in TDPS
- 6) G182 not found w/G76
Says misapplied on 6-26-85
- 7) 607T/606T V486 6/24/97 - not in TDPS
CCL = 102.0, SCL = 95.0
- 8) 628T V491 - not in TDPS
CCL = 95.5, SCL = 89.0

- 1997 data is really messed up, so that's why a lot of errors or non-entry of data.

START

115

2001 TAG Recoveries

MOTO TAG NO.

40S - W210

41S - U176, U177

42S - ~~W664~~ U793, U796

45S - A945, A946

A947 + PIT

46S - G106, U164

U683, 5340

+ 2 PITS

47S - G745, G746

507C, 454C

48S - 2 PITS

49S - U914, U915

+ 2 PITS

51S - 333C

52S - 1 PIT

55S - F709, F710

- 371

56S - 2 PITS

57S - W644, 3368

58S - U60

59S - A848, A857

9258 + 2 PITS

60S - U931, G203

61S - 493T, 1049B

62S - 1 PIT

U162, U163

1054(?)

64S - G615,

G616

65S - A583

66S - G622, G623

G625

700
4802

76S-187T, W844
 77S-565C
 78S-5T
 79S-U421, U422
 83S-188C, 189C
 190C ^{AREON} ↑
 89S-A916 ^{AREON} GB ↓
 90S-U428, 10034
 10033
 96S-U191, U192
 10533, 10534
 97S-U768, G136
 6139, 6140
 99S-U130, U129
 102S-U183, U184
 103S-G80
 104S-A521
 105S-U783, U784
 +2 PITS
 106S-U606, U607
 109S-G358, G359
 114S-F66 ^{F65 P68} F67
 115S-A208, A209
 119S-G714
 122S-3804
 123S-G295
 86ND - A712
 G196
 127S-A849
 128S-U75, U76
 (A76?)
 131S-G892
 G897

6/7-6/8/2021

6/8-6/9

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2001 TAG REC. CONTI

67S-G906, G950
 54S-U450, U451, 3721
~~69S~~ 894T, 895T
 70S-U187, U188, 138C
 71S-U88, U89
 72S-9629, 9630
 73S-F300, G511, G512, G513
 75S-3151, 3158 + PIT

agos, a coral reef biologist explorers.biodidpnmuseum.org/awm

Sat. - Sun 117

6/9 - 6/10/01

121S - F742

136S - A972, F555

137S - G383

138S - 680C, 681C

139S - ~~411327916~~

4077450917

125S - G938, G939

G940, G941

142S - 996C, 997C

143S - F311, F313

145S - F511, G338

148S - 205T, 206T

219T,

149S - A731, 773C

F244, F141

150S - U463, U462, A253

151S - 360C, 358C

361C, 41362670721

413E18264A

152S - G197, G196

40773D5A4A

407740452A

153S - 298T, 299T

BASKSEP - 9666

845C CCL103

Sun. - Monday

6/10 - 6/11/2001

156S - G15, G16

157S - U731, U732

159S - U692, A749

160S - G182, G76

122S - A666, U897

161S - 136T

6/10-6/11 CONTINUED 2001

Repeat CCL 105
*159S-U692, A749

6/10^{UP}
NO MOTO =

U361, U372

162S - TMR BIOP +
4 eggs
36 Dorsal BAENS
MOTO BOTH SIDES
NO PREVIOUS TAGS

165S-W813

166S-U361, U372
W809.

155S-438T, F501

167S-U688, U689

W648, W649

RH 40775B2102

MON 6/11-6/12^{TUES.}

172S-F608, F485

A819, 3143

173S-A796, G549,

G620, G621

174S-607T, 606T

175S-9368, 9369

2001 6/11-6/12

119 2001

180S-G931

181S-10250,

8250

F304, F563

183S-A578

184S-F773

F774, F775

185S-G663

G19

41630004E

41362817H

G670, G671

188S-G19

G824

189S-U214

148S-00905

BIOPSY
1-#2

190S-

413610065E

413610191D

191S-A554

G629

W48/W49

192S CCL 101

LH 407747222

RH 4077347047

SMALL
PATCH Fibers 65

6/12-6/13

193S-G755

F238

195S-803C

196S-898C

198S-8181,

8182,

772E,

FIBB

97.5C^{col}

176S-193T, 194T, 9529

177S-U368, U367

178S-6192, 6183, U645, U63

PITS LH 4136321200

RH 41351C0365

From p. 119

TAG Recoveries

6/12-
6/13/01

198S (continued) 41361A223D; 41363B3363
 199S - A937, 8158; 41351D7062; 411F2C2C58
 200S - G113, G115, G116; 40773E5746; 4077463466
 201S - 10183, 10182
 202S - U882, U881
 203S - (107ccL!) A627, 402T, A628
 204S - G688, G689, G690; 4135752749; 41352E1529
 205S - 747C
 ♀ Night BASKET ^{sand POINT} 628T RFF Freshly amputated ^{goose neck} near wound
 208S - U486, 3756; 4077534A7E; 4077492F61
 GCL 100.5

To page 126

From p. 124





209S - 6397	6398
210S - 9765	

PAU

256 for all ST-14's


Argos data spreadsheet for each of 4800, 4801, 48

- (1a) "Temperature" = $142.222 \times$ value in column. Enter value into spreadsheet.
- (1b) Then fit to curve to determine approximate temperature. Enter determined value in spreadsheet.
- (2) Last Dive Time = 2 seconds \times value in column $\div 60$ to determine last dive time in minutes. Compute to 0.1 of minute.
- (3) Average dive time over last 12 hours = value in column \times 2 seconds $\div 60$ to yield minutes (to the nearest 0.1).
- (4) Dive count over last 12 hours. Enter count into spreadsheet.
- (5) Failsafe flag - ignore
- (6) Dive count since last transmission. Enter value into spreadsheet.




June 19 '95




Dear George,






Hey, how do you like my original art stationary? I used a potato to make the stamp ... late night creativity ☺



I want to thank you for being so supportive. I really appreciate your words of encouragement and phone-patch assistance. You have made me feel a lot less lonely. ☺ I hope all is well in Honolulu. We are great + so are the turtles.



Alha,
Kellie



Kellie Takimoto

1995 TAG RESIGHTINGS AT EAST ISLAND, FFS
 by GHB EXPEDITION 40 6/3-6/9/95

DATE	TAG NOS.	SEX	ACTIVITY/COMMENTS/LENGTH
June 5	5119	F	Guam (hawkbill!) ORIGINAL
June 5	9610 (?)	M	East 6/25/90-8/2/90
June 5	SL=73.0 BBA40 401 13.4	M	If 9610, then 11/187 Kawela Bulpen SL=81.0 cm. Also had B-NEP, SL=85.8cm 7/89 Palau? 9 legs applied.
June 5	W799, W800	F	N [East 6/25/90-8/2/90]
June 5	A578	F	N [5/22/92-7/24/92 East]
June 5	A833, F618	F	EA5T N [6/19/89-8/24/89, 6/12/92-9/3/92]
June 5	A447	F	EA5T N [6/10/88-7/21/88; 6/4/88-8/4/88; 5/9/90-7/21/90; 5/5/92-7/12/92]
June 5	F151	F	EA5T N, #3 TMR LFF [6/21/92-7/22/92] No gene
June 5	A619, 3432, 33	F	EA5T N [5/13/89-7/9/89] 5/27/92-7/10/92
June 5	F595	F	TEEN 7/18/92 N [EA5T 7/29/92-8/26/92]
June 6	A653, A654	F	EA5T N [5/28/92-8/5/92]
June 6	U132	F	N, #3 TMR R. jaw
June 6	U31	F	N, CL=98.0cm
June 7	A481, A482, A483	F	EA5T N, SL=88.1cm [5/14/92-7/23/92]
June 7	3587	F	EA5T N [6/10/86-7/21/86; 6/4/88-8/1/88;
June 7	W115, 9954	F	EA5T N [5/9/90-7/31/90; 5/5/92-7/12/92]
June 7	W430 (U653)	F	EA5T N [5/25/89-7/30/89; 5/21/92-7/25/92]
June 7		F	EA5T N, U653 applied [7/2/89-7/28/89]

June 7 3374, 3375 + 1 R34 [95.5] F EAST N, SL=89.8cm [5/18/88 - 7/21/88, 5/7/91]
 [94.3]
 June 7 6128, 6144 + 1 RFL [93.5] F EAST N, Mono cut RFF [6/12/85 - 6/26/85, 7/7/91]
 5/15/88 - 7/10/88; 6/1/91 - 7/30/91
 June 7 F240 [94.1] F EAST N [7/6/92 - 8/14/92]
 June 7 ^{SAT-30} 6038, 6076 (U651, U652) [M] EAST F, 22133, SL=87.1cm [6/8/82; 6/8/84]
 June 7 8179, 8217 [90.5] [91.3] F EAST N, CL=91.5cm [6/14/89 - 7/23/89;
 5/23/92 - 8/13/92]
 June 7 9367 [97.5] F EAST N [6/13/85 - 7/17/85; 5/10/91 - 7/15/91]
 June 7 F763 ^{NOT IN TDPs} F N

1995
 DATE TAG NOS. SEX ^{of band} ACTIVITY/COMMENTS/L. LENGTH/orig. date

June 7 F763 ^{NOT IN TDPs} F N
 June 7 9259 + 1 LFL F EAST N, SL=89.0cm [6/11/85 - 6/30/85]
 June 7 ^{PAIR} A316 [100.5] F EAST N, SL=94.9cm [5/15/91 - 7/19/91] 1/3, 194 Andrew Wood
 MARI O Knapawa Bay
 40' Reed
 RFF
 TAY
 June 7 F121, F122 [92.6] F EAST N, SL=88.0cm [6/3/92 - 8/3/92]
 June 7 10627 F EAST N, SL=92.2cm [8/2/88 - 8/18/88]
 June 7 8119 ^{NOT IN TDPs} F N, SL=94.5cm
 June 7 2320 ^{NOT IN TDPs} F N, CL=96.0cm
 June 7 F549, F550 [100.6] F EAST N, SL=95.8cm [8/18/92 - 9/5/92]
 June 7 W824 [100.8] F EAST N, SL=92.8cm [7/18/90 - 9/3/90]

Date: Thu, 05 Jun 97 02:01:47 -0700
 From: chuck_monnett@mail.fws.gov
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: Tern Island activities

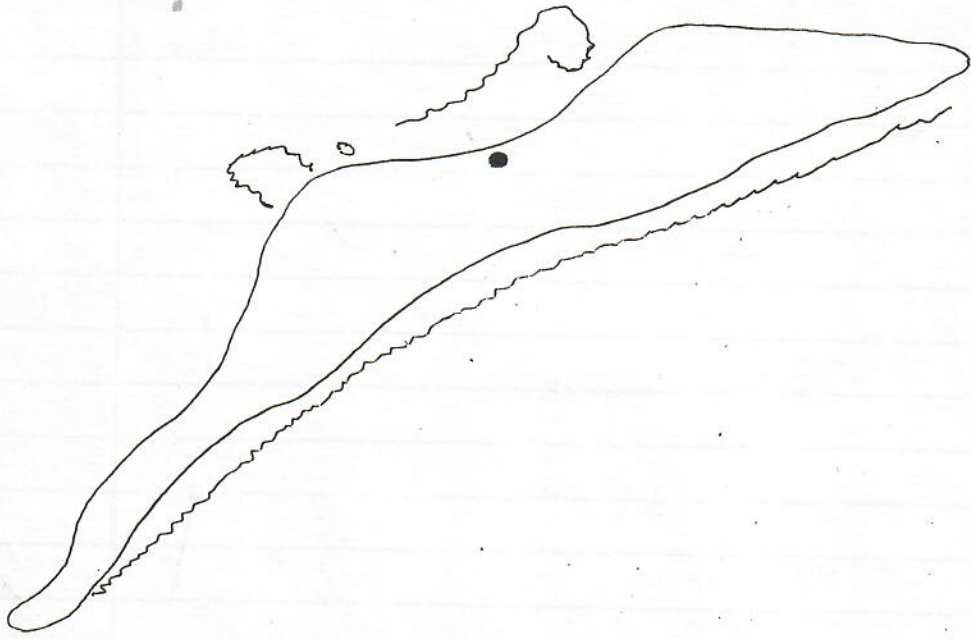
George--

Spoke with Tim today. He just got in from East. Everything is going well. He will send you some details/data via inmarsat.

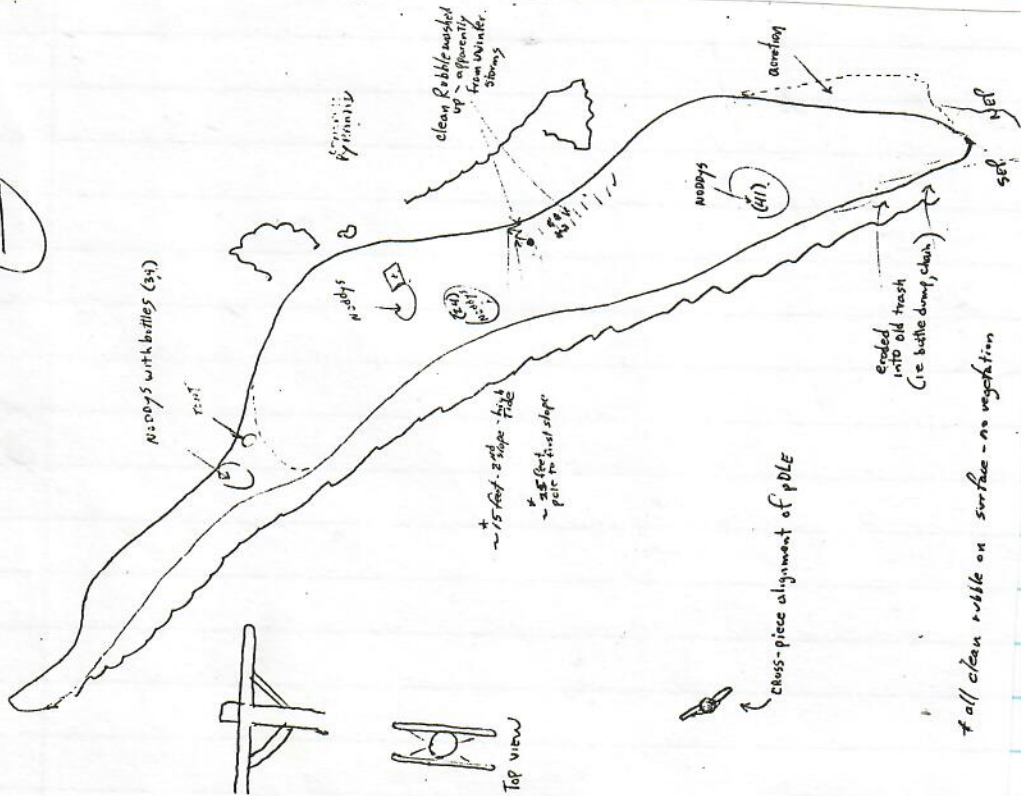
In the mean time, he counted 47 turtles on 3 June and predicts a large increase in the next few days. He thinks it will be a good year based on what he is seeing.

He has recovered two satellite tags:

<ul style="list-style-type: none"> ↘ Turtle #1 ↘ Turtle #2 	<p>Left hind A769 U204</p>	<p>A770, A771</p>	<p>Right hind U773 U205</p>	<p>→ A804 syst. 5920 8/25/93 SL 9014</p>	<p>syst. 209043 ST3 6/6 22132 9/23/95 SCL 98.0</p>
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64
EAST ISLAND -
JUNE 1981



* all clean rubble on surface - no vegetation

Camp

6/95

121

3 LARGE
TOJENA FORMIA
BUSHES

BBA475

Reef

SNEP

109

log

16592
6/5/95

17492
6/5/95

17477

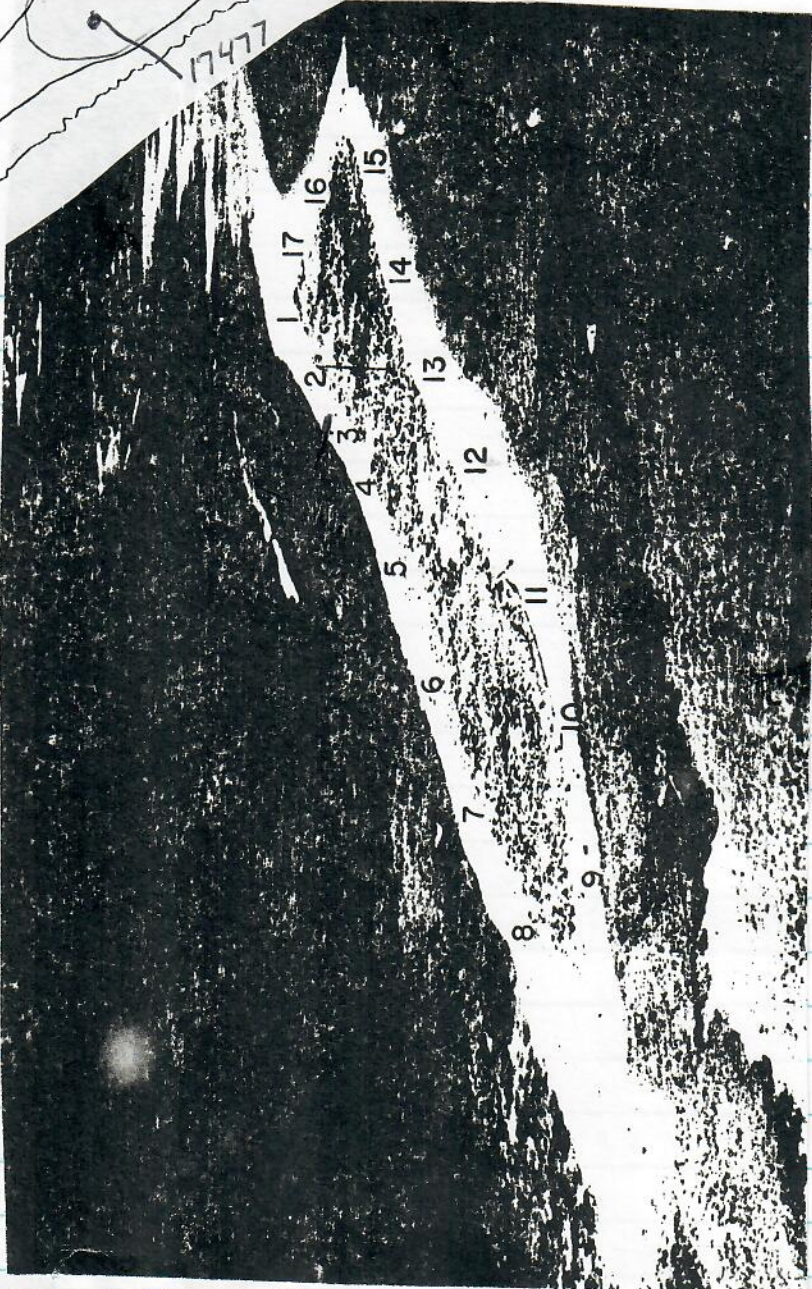
17473

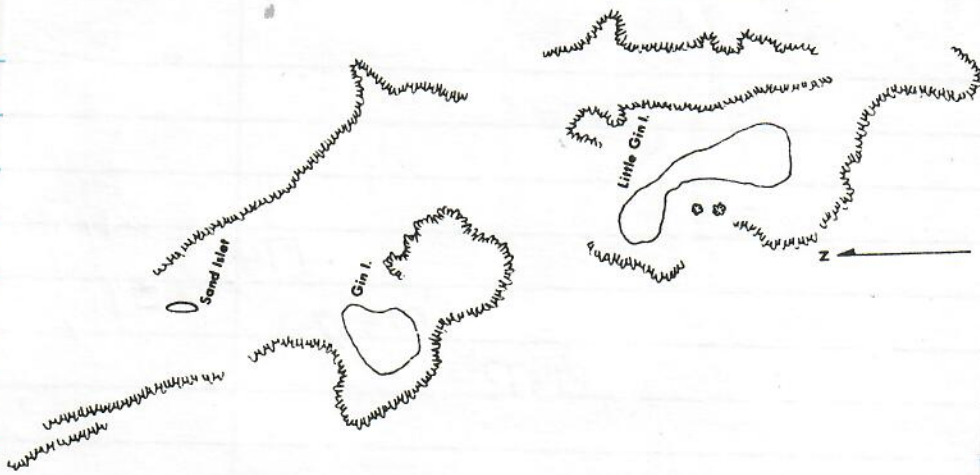
BBA478

17469

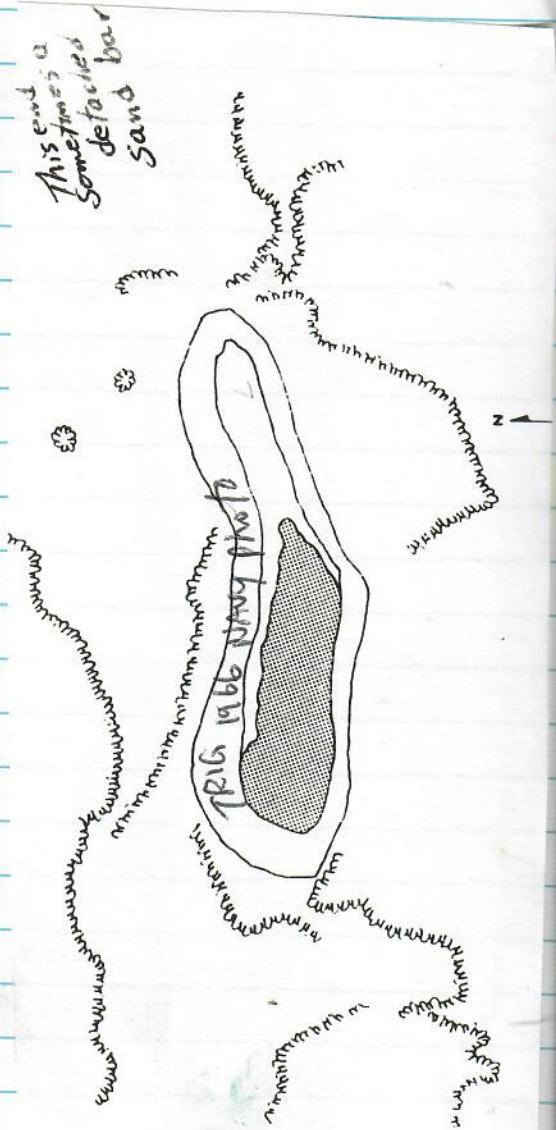
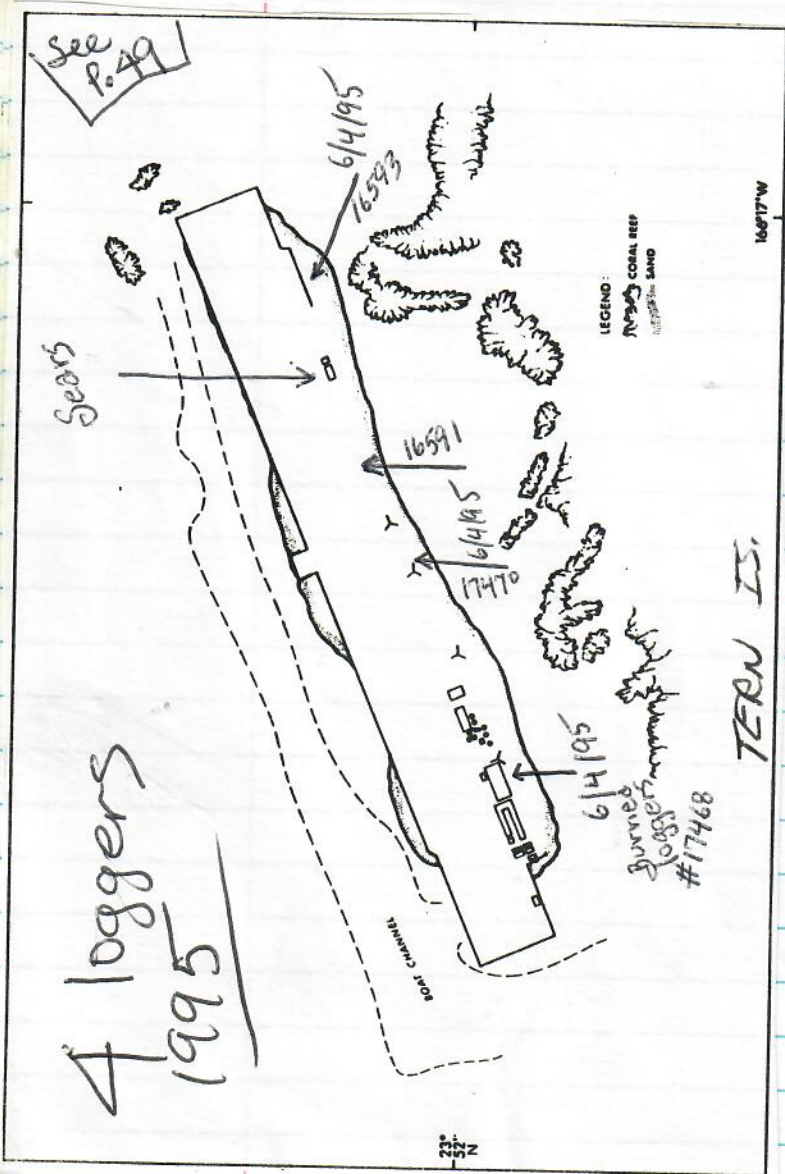
17477

SP

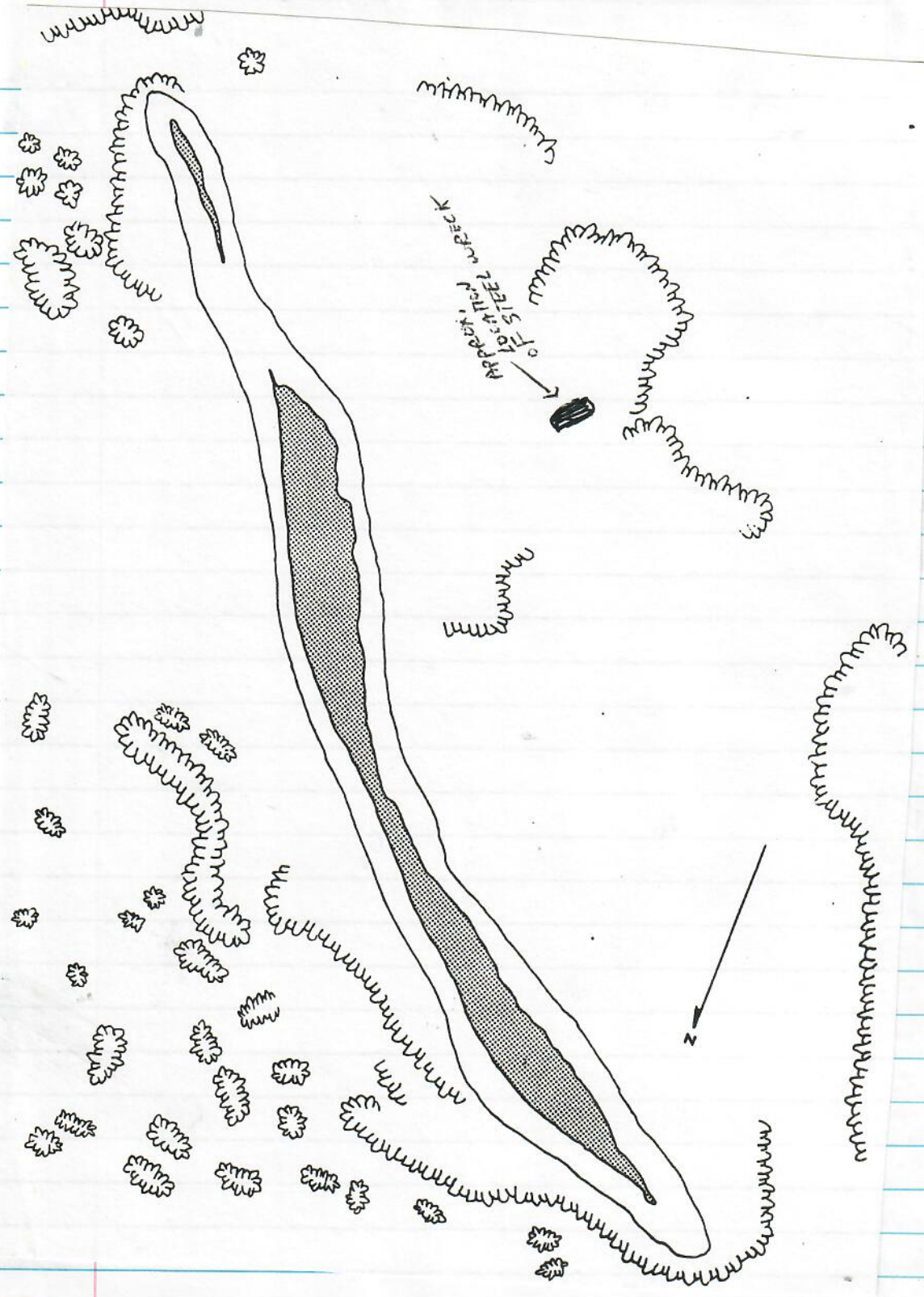




Faint handwritten notes, possibly 'SAND LILY' and 'GIN I.'



SPPI



1993

DAILY TOTALS (PM-AM) FOR ADULT FEMALE GREEN TURTLES NESTING
AT EAST ISLAND, FRENCH FRIGATE SHOALS

1993 DATE	TOTAL NO. TURTLES UP	NO. OF NEW TURTLES IDed	NUMBER OF NESTS N/P/M	YOUR NAME	COMMENTS
1 5/31	17	17	3M	AW SP	
2 6/1	23	10	1P	AW SP	
3 6/2	20	7	1N, 2P, 1M	SP	
4 6/3	18	9	1P, 1M	AW	
5 6/4	18	10	3M	AW	
6 6/5	26	11	1N, 4M	AW	
7 6/6	32	13	2N, 2P, 5M	AW	
8 6/7	27	7	1P, 4M	AW	
9 6/8	36	17	2N, 2P, 1M	SP	
10 6/9	24	8	2N, 4P	SP	
6/10	29	13	1N, 1P	SP	
6/11	29	11	2N, 2P, 1M	SP	
6/12	25	6	2P, 2M	AW	
6/13	28	4	2N, 2P	AW	
6/14	22	4	1P, 4M	AW	
6/15	20	1	1N, 1M	AW	
6/16	20	4	2N	SP	
6/17	27	3	2N, 1P, 1M	SP	
6/18	19	1	2N, 1M	SP	
6/19	27	4	1N, 1P	SP	
6/20	30	5	2N, 1P	AW	
6/21	31	3	2P, 1M	AW	
6/22	22	2	2N, 1P, 2M	AW	
6/23	24	3	1N, 2M	AW	
6/24	24	1	1N	SP	
6/25	31	3	1N, 2P, 1M	SP	
6/26	38	1	2N, 2P, 3M	SP	
6/27	34	1	2N, 1P	SP	

See
page 36
for 1994

p. 126

for 1995

Subtotal
day 10

149 = 1995

107 = 1993

10

8/23-8/24/93 ^{Am} ^{Am} (4) UP S131, S147, (6 PM APPLIED (4803) NO MOTO), A288 NO MOTO

8/24-8/25 ^{Am}

DAILY TOTALS (PM-AM) FOR ADULT FEMALE GREEN TURTLES NESTING AT EAST ISLAND, FRENCH FRIGATE SHOALS

1995 DATE	TOTAL NO. TURTLES UP	NO. OF NEW TURTLES IDED	NUMBER OF NESTS N/P/M	YOUR NAME	COMMENTS
1-24 June 8, 9, 15	24	24	U=3 P=3 H=0	YS/KT	
25-37 June 9	23	13	N=1 P=2 H=0	YS	
37A-50 June 10	25	14	N=0 P=4 H=6	YS	
51-67 June 11	26	17	N=1 P=0 H=1	YS	add 1 m"
68-70 June 12	17	3	N=0 P=6 H=1	KT	
71-88 June 13	27	18	U=1 P=2 H=3	KT	
89-105 June 14	34	17	N=3 P=8 H=4	KT	
106-115 June 15	27	10	N=0 P=4 H=2	YS	
116-134 June 16	33	19	N=2 P=9 H=0	YS	
135-148 June 17	31	16	U=2 P=6 H=1	YS	
148A-149 June 18	42	24	N=3 P=5 H=2	YS	
174-186 June 19	36	14	U=2 P=1 H=8	KT	
176A June 19	36	14	U=2 P=1 H=8	KT	
187-194 June 20	37	8	N=4 P=2 H=5	KT	
195-196 June 21	42	4	N=6 P=7 H=4	KT	
199-200 June 22	26	2	N=3 P=6 H=5	YS	
201-204 June 23	24	4	U=1 P=3 H=6	YS	
205-209 June 24	28	5	N=2 P=6 H=1	YS	
210 June 25	24	1	N=2 P=3 H=4	KT	
211-212 June 26	29	2	U=2 P=7 H=3	KT	sub 1 m
213-214 June 27	29	2	N=4 P=7 H=2	KT	
215 June 28	32	1	N=5 P=2 H=3	KT	
216-218 June 29	30	3	N=1 P=6 H=8	YS	
219-221 June 30	27	0	N=0 P=7 H=3	YS	
219-221 July 1	24	3	N=0 P=3 H=4	YS	
222-225 July 2	42	4	N=2 P=6 H=4	KT	
226-230 July 3	46	5	N=6 P=10 H=7	KT	
231 July 4	31	1	N=3 P=4 H=3	KT	
231 July 5	33	1	N=4 P=5 H=7	KT	

see p. 124 & 36

for 1993 & 1994

233-235

236

237

6/8/94

S91

S91

8/

Nest excavation & counts.

127

8/23/93 possible
Hatched?

Definitely
not Hatched

S91? HHH HHH III (13) HHH LHH HHH HHH HHH LHH II 75 TOTAL

S91? Hatched LHH LHH HHH HHH LHH HHH (62) = 74 TOTAL

72 2

S91 was the most Turnored
turtle seen during 6/93.
6/8/93 Staked, but excavation revealed
2 nests very close together -
one partially under rotting lumber -
Impossible to determine which
nest was laid by S91.

DAILY TOTALS (PM-AM) FOR ADULT FEMALE GREEN TURTLES NESTING
AT EAST ISLAND, FRENCH FRIGATE SHOALS

1995 DATE	TOTAL NO. TURTLES UP	NO. OF NEW TURTLES IDed	NUMBER OF NESTS N/P/M	YOUR NAME	COMMENTS
235-235 July 6, 95	24	3	N = 2 P = 9 M = 4	Y/S	
236 July 7	20	1	N = 1 P = 6 M = 2	Y/S/AN	with Asst. Lt. Lt. Mgr. Anthony Viegane
237 July 8	32	1	N = 1 P = 4 M = 3	Y/S	
		240 -	31 nights		

N = nested
P = probably nested
M = Maybe nested

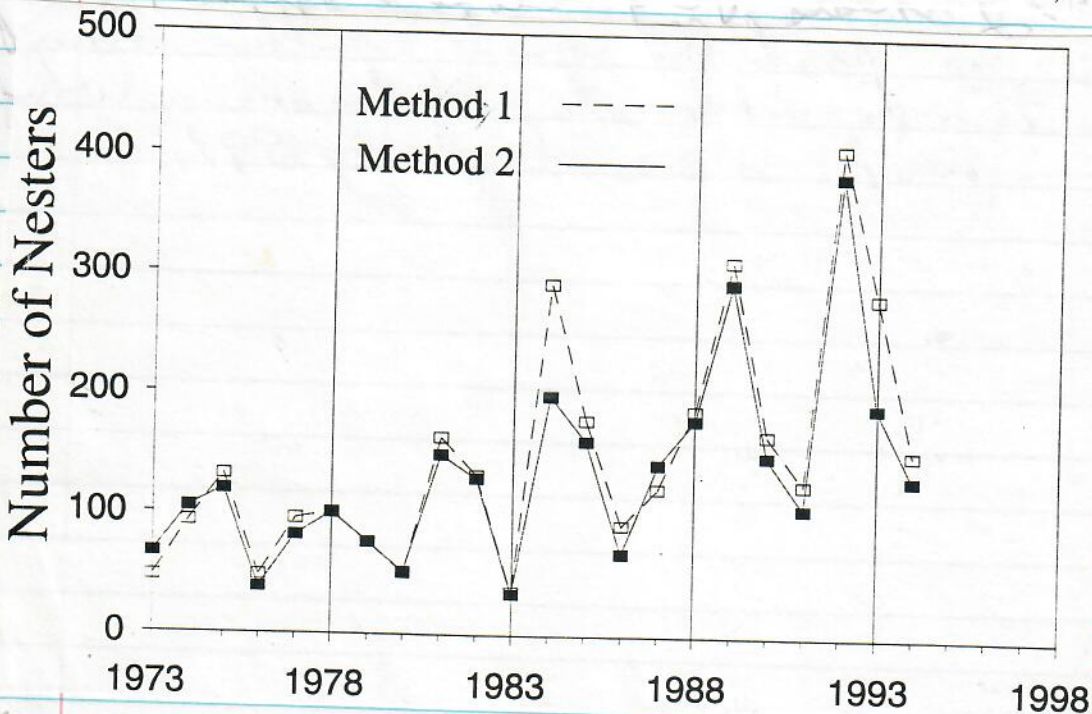
Friday, 3:00 pm - 5:00 pm, Room PH-208

SESSION A

James W. Beever III, Florida Game and Fresh Water Fish Commission, Presiding

3:15 pm, REB-2A

Temperature Dependent Emergence and Social Behavior in Loggerhead Sea Turtle (*Caretta caretta*) Hatchlings. J. HIBLER, Barry University, 11300 N.E. 2nd Avenue, Miami Shores 33161-9011. Throughout the 1994 nesting season hatchling loggerhead sea turtles (*Caretta caretta*) were observed at a beach in Key Biscayne, Florida. There was a correlation between variation in nest temperature and emergence events. In addition to temperature cues, social interaction resulted in a bottom up mechanism of *en masse* emergence. Potential vocal communication, in the form of peeps, was observed in the emerging hatchlings. This represents the first report of hatchling sea turtle vocalization. Observations such as these suggest that social behavior is more important than previously believed and that emergence is temperature-dependent in loggerhead sea turtles. Supported in part by a grant from SNHS, Barry University.



RAY FABRE 486-3141
 WH6ASW
 99-066 OHIAKU PL.
 AIEA - 96701

CHARLES YEE
 KH6WU
 27 MOEMOE PL.
 WAIHANA 96786

IOTA

14,260
 21,260

HARRY EMMETT FINCH W6PWF
 32101 PACIFIC COAST Hwy
METRIC SYSTEM WITH U.S. EQUIVALENTS
 Tel: (310) 457-7895
 Malibu 90265

EAST
 AUG. 1992

MOTO
 U306
 48026

U260
 4800

U236
 4801

AN 93
 EAST

4803

4804

NOV B
 ROSE

4807

4808
 4809

OCT 94
 ROSE

4805

B113-
 B116
 4806

B109-
 B112

JULY 94
 EAST

21125
 21133

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

AZORES
 1994

22130
 22131

AREA

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

FLORIDA
 July 94

WEIGHT

milligram (mg)	0.015 grains
centigram (cg)	0.154 grains
decigram (dg)	1.543 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

22127 COFFINS
 22128 MARCH 94
 22129 Melbourne

METRIC UNIT (1) U.S. EQUIVALENT

VOLUME

cubic centimeter (cm ³)	0.061 cubic inches
cubic decimeter (dm ³)	0.0353 cubic feet
cubic meter (m ³)	1.31 cubic yards
cubic decameter (Dm ³)	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 (hl)	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

MOTOOL Prefixes

1989 - W
 1990 - C
 1991 - L

1992 - U

1993 - S

1994 - Z

1995 - X

1996 - J

1997 - V

4th lateral flight
 X-1 to

Tern Island (French Frigate Shoals/Kanemiloha'i) Weekly Report
US Fish and Wildlife Service, Hawaiian Islands National Wildlife Refuge

~~October 7-14th, 2012~~
March

CFO-1: Planning and infrastructure for field operations

- On March 16th a team of FWS staff and volunteers, NOAA/NMFS staff, and other partners arrived to Tern Island for 12 days of concerted efforts to restore basic operational capacity for a short-term field camp, contain the released asbestos from the storm struck barracks, gather preliminary data on exposed Coast Guard dump sites, reconstruct the tide station, and assess the condition of the field station and associated equipment. We were truly blessed with an incredibly hardworking, talented, and fun group of people to work with during this time period and a great deal was accomplished.

The crew consisted of the following Fish and Wildlife Service personnel: Doug Staller (Monument Superintendent), Christine Ogura (Acting HINWR Refuge Manager), Meg Duhr (Tern Field Station Manager), Dr. LeeAnn Woodward (Contaminants Specialist for Pacific Islands Refuges), Rob Peterson (maintenance detailee from Kilauea Point NWR), and Kate Johnson (FWS Volunteer). They were joined by Jamie Barlow (small boating operations specialist) and Mark Sullivan (monk seal biologists and long-time FFS/Tern veteran) from NOAA/NMFS and Jason Klem, tide station technician (and awesome carpenter) from the UH-Manoa Sea Level Center.



Top left: Jamie; back row left to right: Kate, LeeAnn, Rob, Doug, and Jason; front row left to right: Mark, Christine, and Meg. It was an awesome team!

Asbestos:

- Because cleaning up the asbestos was an essential pre-requisite to resuming a field presence on Tern Island (and being around to address turtle and seabird entrapments) but we did not receive any funding to address it, we were forced to complete the project in-house. In compliance with OSHA regulations, Superintendent Staller and Manager Duhr both completed a 40-hour asbestos abatement

Pictured above is one of the last year's East Island pups. This seal weaned in the fall and was tagged by the FWS crew in September. This seal's chances of survival are exceedingly low because it is basically starving to death. Green algae growth on its coat indicates that it lacked sufficient energy reserves to go through an annual molt and it has lost significant weight since weaning. Sadly, this is an all too common scene in French Frigate Shoals. (Photo by Meg Duhr, FWS)

- Numbers of basking turtles are increasing on a daily basis. We are not currently doing seal and turtle counts on Tern or the outer islands, but from a very cursory survey of East Island last week, we observed over 20 basking turtles on the island. The vast majority, if not all, of these turtles are males. Mating was first observed last week. We noticed our first test pit (like a nest pit, but without actual eggs) on East Beach over the weekend (April 14).

Migratory birds (Action Plan 3.2.2): Monitor seabirds (MB-3.1):

Due to the evacuation and the effects of the federal sequester (a hiring freeze and deep budget cuts on top of many previous years of budget declines), Tern Island's 30-year time series on tropical seabird populations has been broken and there are currently no plans to restore the seabird monitoring program on Tern or elsewhere within HINWR.

- To assist long-time Tern volunteer and now HPU master's student Sarah Youngren, current FWS volunteer Ken Binder has resumed weekly nest box checks of Tristram's storm petrels. No other monitoring activities are currently underway other than the daily entrapment check.

Incidental Observations:

- We saw our first sooty tern nest on April 6. The nest is in middle of the former runway, towards the eastern end of the island. The vast majority of sooty tern nesting has yet to commence, though the birds now flock the island by the thousands every evening and roost on the runway.
- On our first trip to East Island on April 4th we saw many masked booby (MABO) chicks, some of them already at least two weeks old. Interestingly, we had not seen any signs of MABO hatching on Tern yet at the time, though without regular collection of reproductive monitoring data, it is difficult to say whether truly this represents a trend or is based on unrelated factors.
- About half of the albatross chicks are now partially feathered, with the rest still downy. We are just beginning to be able to differentiate between the black-footed and Laysan albatross chicks among the older individuals.
- Many of the red-footed boobies (RFBO) are still constructing nests, though there lots already incubating eggs. No RFBO chicks have been observed yet.
- We saw one very new black noddy chick last week. Most other adults are still nest building, some are incubating eggs. This species breeds asynchronously, however, so nesting can peak and decline multiple times in a year.

N-GOING ISSUES

Seawall and other infrastructure entrapments

- Now that the island is staffed again (for the time being) with FWS personnel and volunteers, the daily entrapment surveys of the failed and decaying seawall and other failed and decaying infrastructure have resumed.
- Upon return to Tern Island on March 16th, we found two juvenile Hawaiian green sea turtles entrapped in a pool behind the north seawall in the eastern half of the island. The turtles were successfully captured and released unharmed back into the water. Entrapments of juvenile turtles are not uncommon during this time of year and though we cannot know how long the turtles were entrapped, they appeared energetic and robust at the time of their release.
- The following week we found another juvenile turtle entrapped in the NE double seawall and swimming among the Coast Guard electrical debris that remains exposed and unremediated here. An adult Laysan albatross was also entrapped in this same section of seawall later that week. Both animals were successfully captured and released unharmed. Note that without direct intervention, however, all these entrapped animals would have most certainly perished in the seawall.



Manager Meg inside the seawall with a turtle. Note the water rushing in from behind. It's easy to see how wildlife gets stuck inside here. (Photo by Doug Staller, FWS).

FFS
Book

Date: Wed, 19 Dec 2012 16:30:35 -1000
From: George Balazs - NOAA Federal <george.balazs@noaa.gov>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Fwd: Update on Tern Island to MMB

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

From: Matthew Vandersande - NOAA Federal
<matthew.vandersande@noaa.gov>
Date: Thu, Dec 13, 2012 at 9:20 AM
Subject: Fwd: Update on Tern Island to MMB
To: Charles Littnan - NOAA Federal <charles.littnan@noaa.gov>, George
Balazs - NOAA Federal <george.balazs@noaa.gov>, Siri Hakala - NOAA
Federal <siri.hakala@noaa.gov>, Frank Parrish - NOAA Federal
<frank.parrish@noaa.gov>

FYI, in case you haven't heard yet.

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

From: Samantha Brooke - NOAA Federal <samantha.brooke@noaa.gov>
Date: Thu, Dec 13, 2012 at 9:15 AM
Subject: Re: Update on Tern Island to MMB
To: Noriko Shoji - NOAA Federal <noriko.shoji@noaa.gov>, Matthew
Vandersande - NOAA Federal <matthew.vandersande@noaa.gov>, Richard
Hall - NOAA Federal <richard.hall@noaa.gov>

Good morning - As you will read below, the Tern Island camp is being
evacuated due to damage from a microburst storm. Thus, the Tern Pipe
movement/removal issue will be put on hold until staff return to the
island.

Please let me know if you have any questions.

~Samantha

FFS

On Wed, Dec 12, 2012 at 6:14 PM, Benally, Ty <ty_benally@fws.gov>
wrote:

FYI

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

From: Bell, Ann <ann_bell@fws.gov>
Date: Wed, Dec 12, 2012 at 6:04 PM
Subject: Update on Tern Island to MMB
To: david.swatland@noaa.gov, Dan_Polhemus@fws.gov,
hoku.johnson@noaa.gov, Keola@oha.org,
lisa.croft@noaa.gov, margaret.akamine@noaa.gov,
Robert.t.Nishimoto@hawaii.gov, paul.j.conray@hawaii.gov,
Aulani Wilhelm <Aulani.Wilhelm@noaa.gov>, maria carnevale
<maria.Carnevale@noaa.gov>
Cc: Doug Staller <doug_staller@fws.gov>, Barry W
Stieglitz <Barry_Stieglitz@fws.gov>, Ty Benally
<Ty_Benally@fws.gov>, Don Palawski <don_palawski@fws.gov>

Internet
up

It has been an exhausting first week in my Acting
Superintendent status for the FWS Monument office. Whew!!
The good news is that everyone on Tern Island is still

safe, there is plenty of clean water, food and fuel for generators.

Unfortunately, the damage reports continue to be extensive as the storm lifted yesterday and a number of seabirds were found injured or died as a result. We don't have exact numbers and there have been no reports of injured seals or turtles. Literally every building is compromised. A boat shed is missing and sections of wall and roof tops of the other sheds including the generator building is extensively damaged. It was reported today that all panels lining the barracks were compromised to some extent, shards of glass exploded into south facing walls and most windows were busted and blown into the hall of the south wing. Photo-voltaic solar panels were blown away and the few remaining are destroyed. Communication is only possible by satellite phone. Internet was restored but only for about an hour yesterday morning.

The staff is doing well considering the extreme circumstances. They elected to stay on island to wait for the Kahana versus immediate evacuation. During the past 24 hours they have been busy preparing for leaving the island including securing docks and packing up the most critical items. They continue to make repairs as feasible and as time allows. We don't know if the heavy equipment and boats are functioning.

The one employee and four volunteers will depart Tern Island via the Kahana expected to arrive on island by Tuesday bringing some supplies and support from Johnston Atoll. The Kahana will spend about a day or two on island and then will transit to Oahu hoping to arrive on Thursday or Friday of next week returning all staff. We can only hope the forecast of 30 knots winds will not hinder the evacuation efforts.

Please feel free to contact me for more information.
Ann

--
Samantha Brooke
Fishery Policy Analyst
NOAA Fisheries Pacific Islands Regional Office
Marine National Monuments Program
Honolulu, HI
808-944-2226

on the web:
http://www.fpir.noaa.gov/MNM/mnm_index.html

HONOLULU LABORATORY
NOAA, NMFS
2570 Dole Street
Honolulu, HI 96822-2396

one copy
(2 sided if
as needed) → GB

Lisianski Is., NWHI 1997
H. Nevins, J. Adams & M. Rutishauser

Turtle Observations

While stationed on Lisianski Is. to monitor the population of monk seals, we made various observations on the sea turtles including breeding phenology, nesting activity, tags returns and any unusual behavior or events. These observations are on attached 'observation forms'. During our stay, from 10 March - 1 July, we also counted, sized and sexed (adults) turtles on the beach during our census patrols, every five days. Several adult turtles had good identifying marks (missing flippers, etc.) and were given temporary numbers #T01-T07 during these censuses. Attached are copies of the scar cards we made for these individuals. Tags were read opportunistically as we tried to minimize our disturbance to hauled out turtles.

One adult female (W799/W800) was found dead on the beach on 1 May, tags were recovered and a necropsy was performed (see attached 'report sheet' and notes). We took photos of the turtle as found and some of the internal organs during dissection, these are being developed (Thea will have them). Samples we collected include a molted scute, old remains found in a debris pile, tissue samples for histology in formalin, and frozen muscle tissue.

Please contact us if you have any questions about samples, obs., etc. @943-1224.

HN

DATE 970501

SEA TURTLE

LISIANSKI IS, NWHI

SUBMITTING ID NO.

NECROPSY REPORT SHEET

Submitting Prosector

Address

Phone

M. Rotishauser, H. L. Nevins, J. Adams NMFS 2570 Kule St. Honolulu, HI

Genus	Species	Carapace LXW	Plastron LXW	Head W	Weight	Sex
Green Sea Turtle	<i>Chelonia mydas</i>	Str 88 x 66cm Curv —	Str 74 x 71cm Curv	Neck girth 42.7cm	~200lbs	F

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding location, date and time of autopsy, etc.) Seen on beach Lisianski island, sect 13 on 970430. On 970430 her head was partially buried. Unsure if live or dead. Seen again on 970501. Her head + part of carapace buried. Found dead at 1530. High winds since 970429 (20-30kts) from WNE. Mostly cloudy since 970429.

Necropsy performed on 970501 from 1730-1900.

Photo Roll B: Frame 28 → picture of turtle as found.
B/W print film. Taken 1546.

Specimen submitted	Preservation	Condition of Specimen at Necropsy
Moribund ___ Dead ___ Tissues <input checked="" type="checkbox"/>	Fresh ___ Fixed <input checked="" type="checkbox"/>	Mild decomposition putrefaction, external looked good - slight purplish tinge on ventral surface of neck - eyes pooled w/ blood. Some gas in cavity

Tissues submitted:

Histopathological - duodenum, ovary(?), spleen(?), liver, urinary bladder

Bacteriological (smears, tissues, cultures) -

Virological (frozen) -

Parasitological (AFA) -

Toxicological (frozen) - muscle

GROSS FINDINGS:

External (including skin, plastron, carapace)

Some long scratches on Rt. Lat. Carapace - skin pale green/yellow.

LFF - cut in trailing edge (healed) 1/2 way down flipper (46cm tot. length)
(photo 14:22)

RFF - good shape - no injuries (49cm)

LRF -

photo (Roll 13: Frame 28)
↳ of turtle as first
found. Print B/W

5/1/97

Tags
recovered

T3 Adult Green Sea Turtle

Female

1726 hrs

Freshly dead (1-2 days)

Skin: pale green - yellow

Carapace: some long scratches Right lat.

LFF: cut in trailing edge (healed) halfway down flipp.

Photo 10: 22 (46 cm) W799

RFF: good shape - no injuries (49 cm) W800

Anterior: photos 10: 20

Posterior: photos 10: 21

Measurements:

Head to tail (DSL): 117

neck: 42.7

Carapace: 88 cm long

width: 66 cm

LRF: split in center (33.0) G249

RFF: good shape (35.5 cm) G248 (upside-down)

Notes:

When dug up - blood in sand around eyes.

Plastron: slightly concave. color - yellow - orange w/ some green (photo 10: 23) (74.0 cm long x 71.0 cm wide) ⇒ straight length

Head: neck underside purplish

(photo w/RFF 10: 24)

Areas around rear flippers not inflated - color at is yellow - green - normal.

Cloaca: Red + swollen (photo 14: 01)

Gas released on incision under plastron.

(Photos 10:2) Body cavity

(Photos 10:3+4) Heart (spec # 601)

Body cavity has dark watery fluid

Stomach packed with green material (algae)

Large intestine bloated with gas.

Small intestine: hard white bumps on
duodenum near where it joins stomach
continuing down small intestine. On outer
wall of intestine/duodenum.

(sample collected: two pieces of
duodenum).

Heart: Auricles darker than ventricle

No fat. (baved whole - formalin) (spec # 601)

Liver: Smooth surface. 3 lobes (?). Blue-black color.

No lesions. Burgandy red cut surface.

(2 samples) (spec # 600)

Muscle: 2 cubes of pectoral muscle

frozen. (spec #'s 602+603)

Bronchi: Pink frothy fluid in left + right. Yellow ^{small} fat globules near bronch

Bile Duct: Dark, dark green fluid when cut open

GALL BLADDER ~ 9 x 6 cm

Spleen (?): Attached to small intestine. Small, heart shaped. (Two samples). (spec # 600)

Unknown sample: Has hard, cysts. ^{organ is} vascularized w/ membranes. (Two samples). Taken posterior body cavity dorsal. (spec # 600) \rightarrow (+ whole organ)

ovary?

Urinary bladder: (Two pieces - formalin) (spec # 600) (whole bladder sliced in half and fixed)

Rt Lung: (Two samples) Looks inflated. (spec # 600)

Lt Lung: (Two samples) Looks ^{relative} deflated. (spec # 600)

Rt. Eye collected: (spec # 600)

Collected Both columella bones

(Left columella spec # 604 Frozen)
(Right columella spec # 605 Frozen)

Turtle Necropsy Issues

GREEN SEA TURTLE

MONK SEAL SPECIMEN COLLECTION SUMMARY: Lisianski Island 1992 Year

Specimen		Turtle Seal ID	Temp ID	Size	Sex	Survival Factor Num	Collect Date	Scat	Preservation Method			Transport Means	Date sent	Date Arrived	Diagnostic Evaluation			Storage Location		Notes	Init
Num	Sub								Type	Collection	Transport				Arrival	Lab	Procedure	Result	Date		
6000		NT		T3	F		0502	13	FM	FM		TC	7/1	7/10						1	JA
6001									↓	↓										1	JA
6002									FR	FR										1	JA
6003									↓	↓										1	JA
6004		SK							↓	↓										1	JA
6005		SK					0502	13	↓	↓										1	JA
6006		ST					0503	13	FM	FM										1	JA
6007		OT					0503	13	OT	OT										1	JA
6008		SK		V	V		0503	13	DR	DR										1	JA

28 Feb 97

SPECIMEN TYPE:

- BC = blood cells
- BS = blood smear
- GI = gastrointestinal tract
- MO = molt
- NT = necropsy tissue
- PA = parasites
- OT = other
- PG = plasma green
- PP = plasma
- RT = reproductive tract
- ON = other necropsy
- SC = scat
- SE = serum
- SK = skeletal
- FR = frozen
- SP = spew

PRESERVATION METHOD:

- AL = 70% ethanol
- AA = absolute alcohol (98%)
- AFA = 80% ethanol, 1% acetic acid, 10% formalin
- DR = dry
- FM = 10% buffered formalin
- GA = 20% glycerin/80% ethanol

- ST = stomach contents
- OT = other
- TL = trachea and lungs
- TP = tissue plug
- WB = whole blood
- WH = whole heart
- RF = refrigerate

- PP = plasma
- RT = reproductive tract
- ON = other necropsy
- SC = scat
- SE = serum
- SK = skeletal
- FR = frozen
- SP = spew

- NE = nematode solution (70% ethanol, 25% water, 5% glycerin)
- NO = none
- OT = other

* FROZEN SAMPLES
(at KRF - will pick up)
this week

Specimen no.	Notes
600	Two samples of each for I/P: duodenum (ulcerats), liver, spleen, urinary bladder, rt lung, lt lung, rt eye (one sample)
601	Whole heart
602	Muscle
603	Muscle
604	Columella bone. Left ear.
605	Columella bone. Right ear.
606	STOMACH CONTENTS Fixed 5% formalin
607	SKIN samples collected in salt collected from proximal fore-limbs
608	Both humeri for age study.

NATIONAL MARINE FISHERIES SERVICE, MARINE MAMMALS AND ENDANGERED SPECIES PROGRAM
(U.S. NOAA)

BIRD OBSERVATION FORM

1/3

ISLAND: LISIANSKI IS.

SPECIES: GREEN SEA TURTLE (*Chelonia mydas*)

OBSERVATION PERIOD: 10 MAR - 30 JUNE 97

DATE	TIME	OBSERVER	BAND COMBINATION	LOCATION	COMMENTS
0430	1438	HMN	(R) --36 ♀	Sect. 11	T3
0430	1442	HMN	temp T01 ♂	Sect. 11	T3 no tags
0430	1300-1500	HMN, MRR	T3 = 15, T1 = 1 (16)	Island Count	Census (#7) count on beach only.
0430	1449	HMN	initial LFF/ginsyl LRF	Sect. 11	T3♀, no tags
0501	1546	MRR	LFF = W799 REF = 0700 LRF = G219 REF = G244	Sect 13	T3♀. Dead. Necrop performed (see map)
0503	1000	HMN	FIRST TURTLE 'LOOP'	Sect. 13	~15 m loop - pre laying exploration?
0509	0900	HMN	2 more 'loops'	Sect. 15	see map
0509	1019	HMN	(R) --36 ♀	Sect. 11	
0508	1736	HMN	(R) T224 ♀	Sect 11	
0514	—	HMN, JA	Copulation	Sect. 02	1♀ mounted by ♂ + surround by 5-7♂
0514	—	HMN	poss. mat. loop	Sect 5	just south of 6 pole (see map)
0519	0834	MRR	Mating/Copulation	Sect 19	1 copulating pair w/3 other ♂'s
0519	0820	MRR	poss. excat. loop	Sect 20	4 loops up to veg. No pits
0520	0946	MRR	Nesting attempt? T3♀	Sect 20	♀ up in veg sector 20. Sun still in sky.
0520	1300	JA	EXPLORATION TRAX	Sect 17	NEST SITE EXPLORATION?
0521	—	HMN	" "	Sect. 19	
0521	—	MRR	Turtle loop	Sect 3	Huss. Up to veg line + along it.
0521	—	MRR	Turtle loop	Sect 1	Small loop
0521	—	MRR	Turtle loop	Sect 7	To veg + back to water
0522	1340	JA	Turtle loop	Sect 3	30m south of 3/4 border
0523	—	HMN	Nesting Pits'	Sect 8 / Sect 6	by 6/8 border + big Tournefortia (see map)

NATIONAL MARINE FISHERIES SERVICE, MARINE MAMMALS AND ENDANGERED SPECIES PROGRAM
(1/1/90 KAL)

TURTLE
BIRD-OBSERVATION FORM

ISLAND: Lisianski

SPECIES: Green Sea Turtle

OBSERVATION PERIOD:

10 Mar 97 -

DATE	TIME	OBSERVER	BAND COMBINATION	LOCATION	COMMENTS
0318	1545	MRF	Left V210	Sector 19	
0316	1730	JA	Right T268	Sector 8	T3 ♀
0321	1040	JA	(R) - 2091 (L) V-210	Sector 17	T3 ♂ PHOTOS: 02.16.17 - PINK PROTRUSANCE AT BASE OF TAIL. (CLOACA?)
0331	—	HMN, MRR	260 total count	Island Census #1	T3=10, T2=15, T1=1 (includ. one copulating pair)
0402	1642	HMN	(L) 6767 (R) —	Sect 11	T3 ♂
0402	1635	HMN	T3 ♂	Sect 11	Pass or Mucus in left eye - gone or injured
0409	1615	MRR	V-224 (R) ♀	Sect 11	T3♀ copulating on beach with an untagged T3
0410	1658	JA	(T) 224 (R) ♀	Sect 10	T3♀ DISTAL MOST OF 2 TAGS IN RT. T-oc V-?
0415	—	HMN	temp T01 T30	—	missing LFF
0415	—	↓	temp T02 T30	—	missing chunk of post left skull & LRF
0415	—	↓	temp T03 T30	—	funky RFF
0415	1427	HMN	T209 (R) ♂	Sect. 13	T3
0425	1638	MRR	V209	Sect 19	T3 ♂
0426	1900	MRR	—	Sect 15	5♂'s 1♀ ⇒ mounted male w/4 moles milling a round.
0427	1510	HMN	T3 ♀	Sect. 11	fresh injury LFF 4-5 cm deep
0427	1417	HMN	RFF W-80U' (=0?)	Sect. 13	3 tags on same indiv. T3 ♀
↓	↓	↓	LFF W-799	↓	↓ has split LRF + lots scratches on carapace.
↓	↓	↓	LRF G-249	↓	↓
0430	1512	MRR	—	Sect 01	♂ + ♀ pair, tending or brook (all day nesting bch in same area 4/19)
0430	1400	HMN	LRF G-249 ♀	Sect. 13	buried up to eyeballs in sand - elimo? Very windy day

NATIONAL MARINE FISHERIES SERVICE, MARINE MAMMALS AND ENDANGERED SPECIES PROGRAM
(11/70 KSL)

BIRD OBSERVATION FORM

2/3

ISLAND: LISIANSKI
SPECIES: GREEN SEA TURTLES
OBSERVATION PERIOD: 10 MAR - 30 JUNE 97

DATE	TIME	OBSERVER	BAND COMBINATION	LOCATION	COMMENTS
5/25	-	MPR	Turtle loop	sect 15	2/3 of way to veg then back to H ₂ O
5/26	-	JA/HMN	EXCAVATED PIT	sect 19	lots Backfilled @ Veg. line
5/26	1100	HMN	"	sect. 1	2 poss nests (see map)
5/27	-	MPR	Egg	sect 2	Fresh, broken open turtle egg. Yellow orange yolk.
5/27	-	MPR	Excavation	sect 3	Pit about 2/3 up to vegetation.
5/28	-	MPR	Loop	sect	2/3 up to veg
5/29	-	HMN	Excavation (3 pits)	sect. 11	near 11/12 border in veg, behind
5/29	-	JA	Excavation (1 PIT)	sect. 20	JUST SOUTH OF REFUGE SIGN
5/29	-	JA	Excavation	sect. 17	10m South of 18/17 border @ 25m from Veg. line
5/29	-	JA	Excavation (2/REFIT)	sect. 17	10m North of 17/16 border @ Veg line
5/30	-	HMN	" (1 PIT)	sect. 11	on sm. beach so. 10/11 border (map)
5/30	-	HMN	" (1 PIT)	sect. 19	in veg. just inside 19 by 18/19 bdr (map)
"	-	"	poss tail injury	sect. 16	T307, injury on upper part of tail.
"	-	"	excavation	sect 16	
5/31	-	MPR	excavation (1 PIT)	sect 1	20m S of 1/2 border in Eragrostis
5/31	-	JA	excavation (7 PITS)	sect 8.	50m N of 7/8 border / clear of 7 pits, one turtle sub
6/2	-	HMN	" (5 pits)	sect. 11	near sm. beach near sect 10
"	-	"	" (2 pits)	sect. 20	just south of sm. Tournefortia
"	-	"	" (1 pit)	sect. 20	near 19/20 border
"	-	"	" (1 gne)	sect. 19	in veg. behind large one.
6/3	-	MPR	excavation (1 pit)	sect 17	In veg, near 17/18 border

TURTLES

NATIONAL MARINE FISHERIES SERVICE, MARINE MAMMALS AND ENDANGERED SPECIES PROGRAM
(1/76 REEL)

BIRD OBSERVATION FORM

ISLAND:

SPECIES:

OBSERVATION PERIOD:

DATE	TIME	OBSERVER	BAND COMBINATION	LOCATION	COMMENTS
6/3	-	MFR	turtle excavations	sect 16 (near 18/19)	6 pits
6/6	-	MFR	excavations (~4)	sect 18 (near 18/19)	same location as above sighting. mixed with older pits.
6/7	-	JTA	same as above	~25m South 18/19	4 PITS @ VEC LINE
6/7	-	HMN	excavations (2)	sect. 7	near 7/8 border on berm behind Tour ref.
6/7	-	HMN	" (1p)	sect. 8	near big Tournefortia
6/8	-	"	" (1pit)	sect. 20	
6/8	-	"	" (2 pits)	sect 17/16	good pits. w/ long tracks leading to them
6/8	-	MFR	excavation (1p)	sect 7	same location as sect 7 sighting on 6/7
6/11	-	HMN	" (4)	sect. 20	4 pits near sm. Tournefortia
6/11	-	"	" (1p)	sect 18	past 19/18 border 15m.
6/11	-	"	" (2p)	sect. 16	deep but don't look covered over.
6/11	-	"	" (1p)	sect. 20	behind refuge sign - nest hole visible
6/14	-	"	exploratory loops	sect 16, 15, 14	some extending into the veg.
6/14	-	MFR	"	sect 2 + 3	to veg + back
6/14	-	MFR	3 pits	sect 2	in veg
6/14	-	MFR	loop	sect 17	very long loop - up + into veg
6/15	-	MFR	loop	sect 19	
	-		1 pit	sect 19	very shallow
	-		loop	sect 19	very long loop
	-		loop	sect 19	1/2 way to veg.
6/21	-	MFR	loop	sect 15	to vegetation
6/21	-	MFR	loop	sect 14	

SAMS

NATIONAL MARINE FISHERIES SERVICE, MARINE MAMMALS AND ENDANGERED SPECIES PROGRAM
(U/NO KSL)

BIRD OBSERVATION FORM

3/3

ISLAND: LISIANSKI

SPECIES: GREEN SEA TURTLES

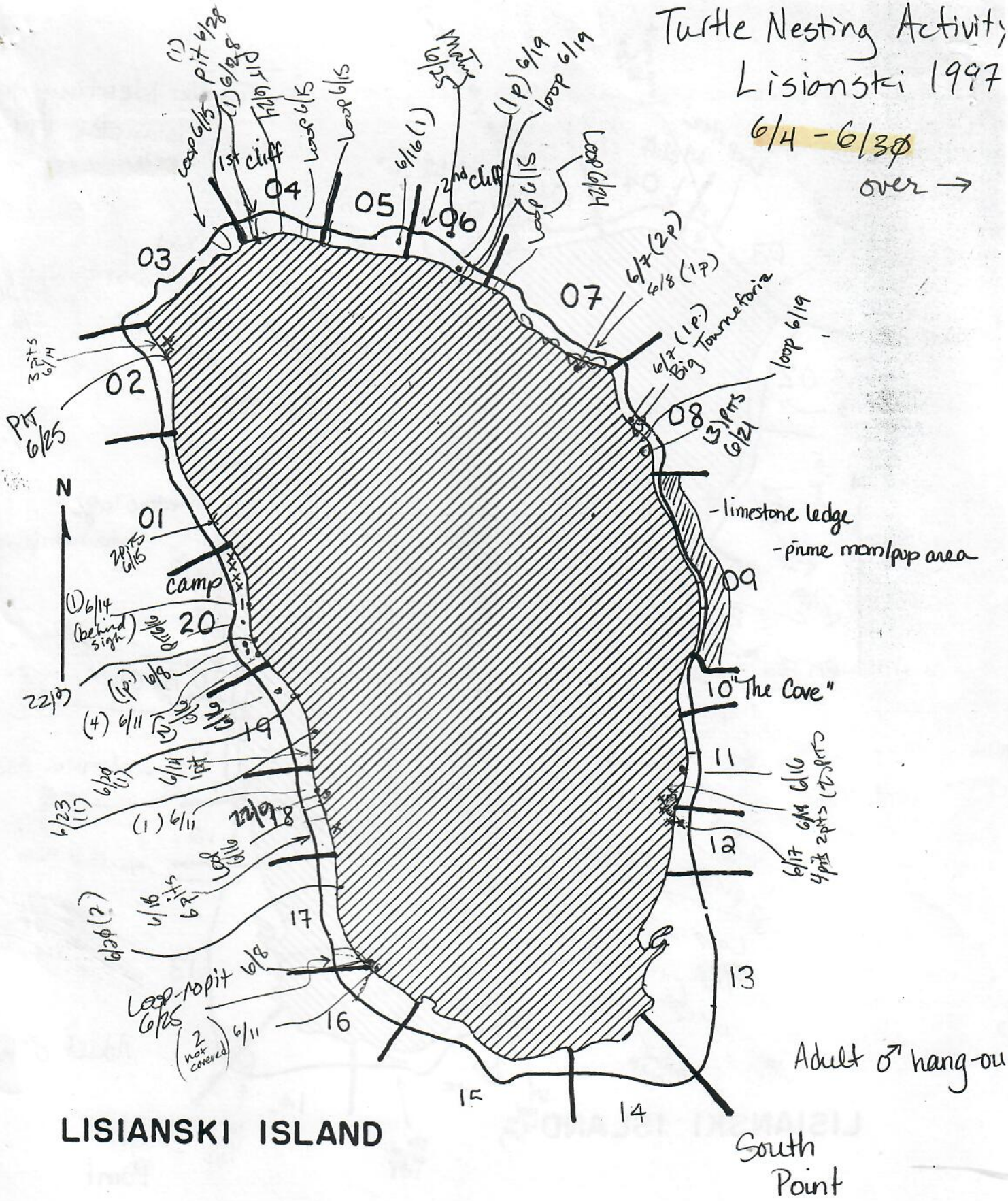
OBSERVATION PERIOD: 10 MAR - 30 JUNE 97

DATE	TIME	OBSERVER	BAND COMBINATION	LOCATION	COMMENTS
6/16	-	HMN	excavation (1 pit)	sect. 5	near 5/6 border
6/15	-	JR	excavation (2 pits)	sect. 1	~30M NORTH OF 1/2 BORDER
6/16	-	JA	loop	sect. 3	10M S. OF 3/4 BORDER (NO PIT)
6/15	-		loop (NO PIT)	sect. 4	30M S. OF 4/5 BORDER
↓	-		loop (" ")	sect. 4/S BORDER	
↓	-		loop (" ")	sect. 7	10M NORTH OF 6/7 BORDER
6/16	-	JA	PIT excavation	sect. 2d	35M S. OF REFUGE SIGN
6/16	-		excavation	sect. 19	20M S. OF 19/20 BORDER
↓	-		loop	sect. 18	Middle of 18
↓	-		excavation (2)	sect. 20	Just N of Point
6/16	-	JA	(2) pits	sect. 11	Mid sector in Vegetation
6/18	-	MLR	loop	sect. 16	into veg.
↓	-		6 pits	sect 17	to veg
↓	-			sect 11	Behind <u>Ternifordia</u> at 1/12 border
6/17	-	HMN	4 pits	sect 12	2 in debris-ladden area + then 2 on berm near veg.
6/19	-		1 pit	sect 6	on berm
6/19	-		loop	"	Way back into veg ~ 20m
6/19	-		loop	sect. 08	no pits
6/20	-	HMN	2 good pits	sect 17	200 yards so. of 17/18 bdr. on berm
6/20	-		1 pit/loop	sect. 19	
6/23	-	HMN	1 pit	sect 19	~ 100 yds NW of 18/19 bdr.

Turtle Nesting Activity Lisianski 1997

6/4 - 6/30

over →

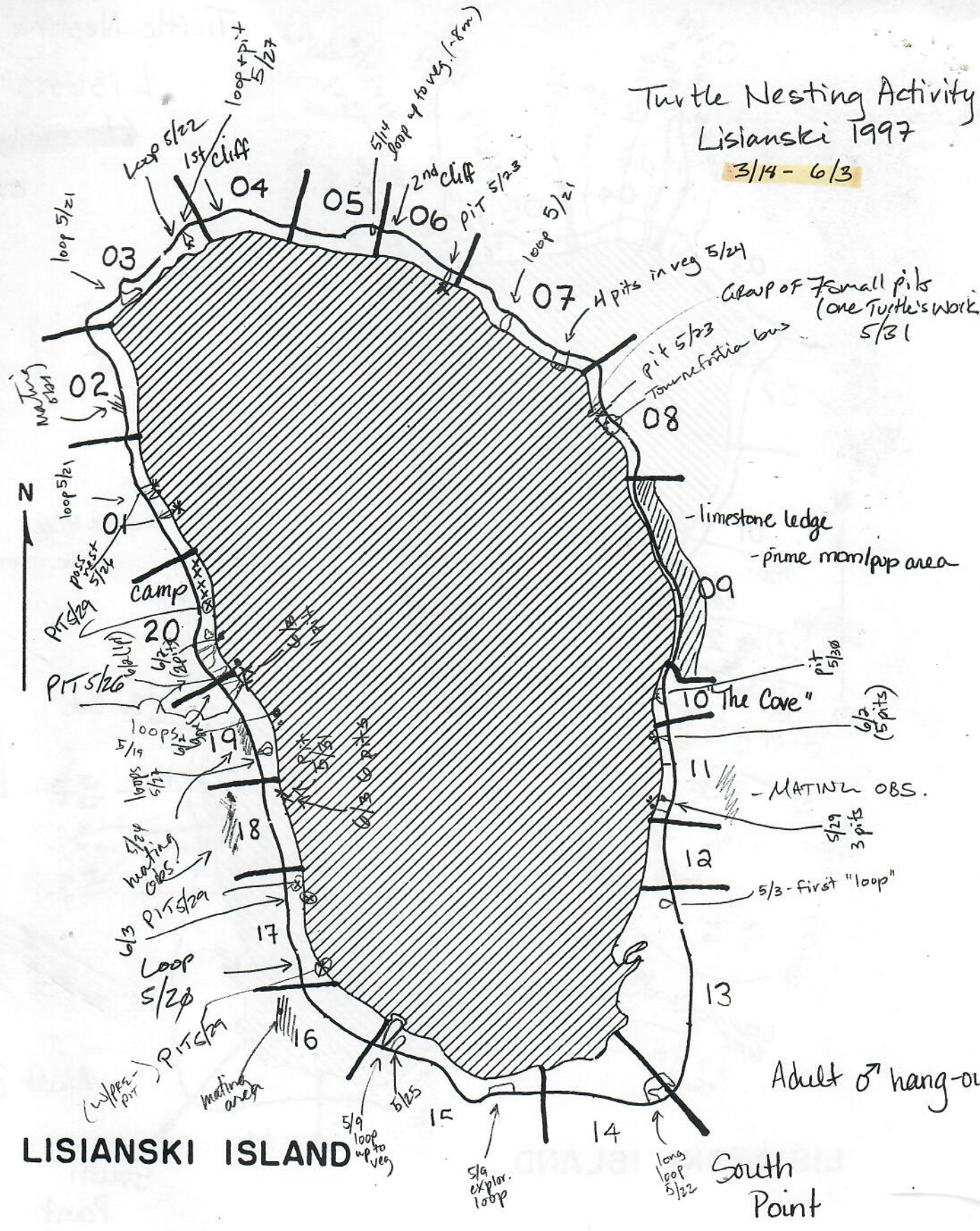


LISIANSKI ISLAND

South Point

Turtle Nesting Activity Lisianski 1997

3/14 - 6/3



LISIANSKI ISLAND

South Point

Adult ♂ hang-on

LSI 197

LIANSKI AND ISLAND 4/15/97 DATE

T3 / M
SIZE / SEX T03
TEMP. NO.

missing (not exact)

LIANSKI AND ISLAND 4/15/97 DATE

T3 / M
SIZE / SEX T01
TEMP. NO.

orange patches on skin

LIANSKI 02 ISLAND SECT. 5/17/97 DATE

T3 / F
SIZE / SEX T07
TEMP. NO.

lots of scratches

LIANSKI ISLAND 4/15/97 DATE

T3 / M
SIZE / SEX T02
TEMP. NO.

2 inches (not exact)

Amputated

LIANSKI ISLAND 5/6/97 DATE

T3 / M
SIZE / SEX T04
TEMP. NO.

Scraped UP LIFELINE

Amputated RRF

FAIRLY FRESH

LIANSKI ISLAND 4/27/97 DATE

T3 / F
SIZE / SEX T05
TEMP. NO.

fresh injury 4/27

gimpy LRF

split

LIANSKI ISLAND 5/12/97 DATE

T3 / F
SIZE / SEX T06
TEMP. NO.

SCAR CARDS USED TO REFERENCE INDIVIDUALS DURING CENSUS PATROLS

DAILY TOTALS
NESTING GREEN TURTLES
FRENCH FRIGATE SHOALS, 1997

Island: East

1997
N/P/M

Date	# Turtles Up	# New Turtles IDed	# Nests	Invest.	Comments
5/30	27	27	1/3/2	T.C./AV	First night turtle camp! Visit Retrieved sat tag from V44 Tim Clark & Allison
5/31	31	27	4/3/4	T.C./AV	Young pup lost its mom, raising it in tent. It loves Rice Dream
6/1	31	16	3/2/3	T.C.	The aliens were came to visit. Good to see old friends again.
6/2	40	19	6/0/6	T.C.	One tiger shark in lagoon. Has big knob protruding behind dorsal fin. Retrieved sat tag from V91
6/3	47	23	1/3/9	T.C.	
6/4	47	19	2/3/13	AV	Beautiful calm night - sky full of stars - one amazing shooting star! I love turtle camp!
6/5	64	35	5/6/10	AV	What a night - Turtles, turtles & more turtles First Tiger Kill - BFAL chick
6/6	47	27	0/3/9	AV	I saw NO NESTS, sad-sad.
6/7	61	25	4/2/8	AV	Took refuge under a bush during squall. Beautiful Moon after sunset
6/8	64	33	4/1/10	T.C.	Occasional showers, turtles enjoyed playing in the mud.
6/9	60	27	1/1/5	T.C.	First walk taking 3 hrs. Beautiful night. the moons coming back!
6/10	66	24	3/0/12	T.C.	First night radio has worked this season, saw my first BFAL fledge. Tiger got it 30 seconds
6/11	67	28	3/4/9	T.C.	The lost php came by to say hi. wants more rice dream.
6/12	64	17	7/1/8	ACV	Beautiful moonlite night.
6/13	63	15	3/5/11	AV	
6/14	62	15	4/0/5	AV	Took dead male weaver away from adult male mating with it!
6/15	78	10	11/8/8	AV	RECORD TURTLE NIGHT! [Tag/Tag] Low on tags
6/16	76	10	5/6/6	T.C.	Heard turtles talking. Reason so many up - planning to over run Fern island. Have to warn the adult Today found out tufts are pissed at humans out for revenge. They are developing weapons! Oh-no!
6/17	74	12	6/4/13	T.C.	In winning! New record! Beat that Allison!
6/18	80	10	4/6/9	T.C.	
6/19	90	4	4/8/7	T.C.	Turtle V438 found dead in desert
6/20	70	8	2/5/7	AV	Wet wet, windy night - Yuk. Female up without RFL! Fresh wound.
6/21	90	15	5/10/7	AV	Record night in the History of turtle camp! Don't feel bad Times - Lots of FRAY
6/22	71	4	10/5/17	AV	3 new moms & pups - A pretty slow night.
6/23	50	6	5/4/6	AV	Using last 20 tags tonight Quiet night - what happened to all the turtles!
6/24	56	6	6/7/11	T.C.	Not even Allison got hid all the turtles! Lots of nesting
6/25	50	3	8/4/16	T.C.	I think stars are alive. That's why beat that Trunkel so much. It's like a heart beat.
6/26	41	3	3/6/11	T.C.	Don't know what happened to the turtles. Getting worried. Sing turtle love songs all night.
6/27	59	3	7/7/19	T.C.	My last night on East! I'll miss it. Good bye turtles! Come visit in Texas!

Tern Island IDs
Book # 2

6/14

T158 633C LH N (in book) 632C (in db) 159/248

6/17

T169 643C LHF N (in db) T168 (in book) 172/248

T171 (no db record)

6/19

T58 (no db record) 178/248

T175 (no db record) 647C LH N (in book)

~~6/22~~

~~T193 6200 RFL O (in book) 804T (in db) 209/248~~

6/24

T194 6272 RFL O (in book) ~~804T (in db) 209/248~~

and in db twice as 207/248

& 208/248

* (3 entries total in db - 2 the same,

2 entries total in book, includes

804T 209/248

through 6-26, Book #2

Historical information for turtle 9546

TERN

National Marine Fisheries Service
 2570 Dole Street
 Honolulu Hawaii 96822-22396

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
9546	03/05/86	1681	LFL
9547	03/05/86	1681	RFL

Historical information--

Date	Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter		Overall	
						Interval Month	Year	Interval Month	Year
03/05/86	Near Shore	Molokai, Palaaau	0	-	68.0	---	---	---	---

Historical information for turtle 9544

National Marine Fisheries Service
 2570 Dole Street
 Honolulu Hawaii 96822-22396

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
9544	03/05/86	1681	LFL
9545	03/05/86	1681	RFL
A995	06/27/92	1681	RHF

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
03/05/86	Near Shore	Molokai, Palaau	0	-	84.5	---	---	---	---	---	---
06/27/92	Nesting	Tern	0	X	---	75	6.3	---	75	6.3	---
06/28/92	Nesting	Tern	0	X	---	---	---	---	75	6.3	---
07/11/92	Nesting	Tern	0	X	---	---	---	---	76	6.3	---
07/11/92	Nesting	Tern	0	C	---	---	---	---	76	6.3	---

--Continued
Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
07/18/92	Nesting	Tern	0	C	---	---	---	---	1	0.1	---
07/19/92	Nesting	Tern	0	X	---	---	---	---	1	0.1	---
07/19/92	Nesting	Tern	0	X	---	---	---	---	1	0.1	---

Historical information for turtle W586

National Marine Fisheries Service
2570 Dole Street
Honolulu Hawaii 96822-22396

Tag information--

<u>Tag Number</u>	<u>Date Tagged</u>	<u>Tag Type</u>	<u>Tag Position</u>
W586	06/28/90	---	RFL
W587	06/28/90	---	LFL

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
06/14/88	Nesting	Whale-Skate	0	N	---	---	---	---	---	---	---
06/17/88	Nesting	Whale-Skate	0	B	---	---	---	---	---	---	---
07/06/88	Nesting	Whale-Skate	0	X	---	---	---	1	0.1	---	---
07/07/88	Nesting	Whale-Skate	0	N	---	---	---	1	0.1	---	---
07/18/88	Nesting	Whale-Skate	0	N	---	---	---	1	0.1	---	---
07/23/88	Nesting	Whale-Skate	0	B	---	---	---	1	0.1	---	---
07/29/88	Nesting	Whale-Skate	0	X	---	---	---	1	0.1	---	---
07/30/88	Nesting	Whale-Skate	0	C	---	---	---	1	0.1	---	---
07/31/88	Nesting	Whale-Skate	0	X	---	---	---	1	0.1	---	---
08/01/88	Nesting	Whale-Skate	0	N	---	---	---	1	0.1	---	---
08/12/88	Nesting	Whale-Skate	0	P	---	---	---	2	0.2	---	---

--Continued

2

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
06/14/88	Nesting	Whale-Skate	0	N	---	---	---	---	---	---	---
06/17/88	Nesting	Whale-Skate	0	B	---	---	---	---	---	---	---
07/06/88	Nesting	Whale-Skate	0	X	---	---	---	1	0.1	---	---
07/07/88	Nesting	Whale-Skate	0	N	---	---	---	1	0.1	---	---
07/18/88	Nesting	Whale-Skate	0	N	---	---	---	1	0.1	---	---
07/23/88	Nesting	Whale-Skate	0	B	---	---	---	1	0.1	---	---
07/29/88	Nesting	Whale-Skate	0	X	---	---	---	1	0.1	---	---
07/30/88	Nesting	Whale-Skate	0	C	---	---	---	1	0.1	---	---
07/31/88	Nesting	Whale-Skate	0	X	---	---	---	1	0.1	---	---
08/01/88	Nesting	Whale-Skate	0	N	---	---	---	1	0.1	---	---
08/12/88	Nesting	Whale-Skate	0	P	---	---	---	2	0.2	---	---

Historical information for turtle W888

National Marine Fisheries Service
2570 Dole Street
Honolulu Hawaii 96822-22396

Tag information--

<u>Tag Number</u>	<u>Date Tagged</u>	<u>Tag Type</u>	<u>Tag Position</u>
W888	06/14/91	---	LFL
W889	06/14/91	---	RFL

Historical information for turtle W591

National Marine Fisheries Service
2570 Dole Street
Honolulu Hawaii 96822-22396

Tag information--

<u>Tag Number</u>	<u>Date Tagged</u>	<u>Tag Type</u>	<u>Tag Position</u>
W591	07/04/90	---	RFL
W857	08/08/90	---	LFL

Historical information for turtle W894

National Marine Fisheries Service
2570 Dole Street
Honolulu Hawaii 96822-22396

Tag information--

<u>Tag Number</u>	<u>Date Tagged</u>	<u>Tag Type</u>	<u>Tag Position</u>
W894	07/06/91	---	RFL
W895	07/06/91	---	LFL

Historical information for turtle W761

National Marine Fisheries Service
 2570 Dole Street
 Honolulu Hawaii 96822-22396

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
W761	06/15/90	---	LFL
W764	06/15/90	---	RFL

Historical information--

Date	Encounter	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter		Overall		
							Interval Month	Year	Interval Month	Year	Growth-rates cm/mon
06/15/90	Nesting	East	---	0	M	---	---	---	---	---	---
07/26/90	Nesting	East	---	0	C	---	1	0.1	1	0.1	---

Historical information for turtle W890

National Marine Fisheries Service
2570 Dole Street
Honolulu Hawaii 96822-22396

Tag information--

<u>Tag Number</u>	<u>Date Tagged</u>	<u>Tag Type</u>	<u>Tag Position</u>
W890	06/21/91	---	RFL
W891	06/21/91	---	LFL

Historical information for turtle W874

National Marine Fisheries Service
2570 Dole Street
Honolulu Hawaii 96822-22396

Tag information--

<u>Tag Number</u>	<u>Date Tagged</u>	<u>Tag Type</u>	<u>Tag Position</u>
W874	05/27/91	---	LFL
W875	05/27/91	---	RFL

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Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
07/10/89	Nesting	East	0	N	---	---	---	---	---	---	---
07/22/89	Nesting	East	0	C	---	---	---	1	0.1	---	---
07/23/89	Nesting	East	0	N	---	---	---	1	0.1	---	---
05/23/92	Nesting	East	0	X	86.2	34	2.8	---	35	2.9	---
05/25/92	Nesting	East	0	P	86.2	---	---	---	35	2.9	---
06/05/92	Nesting	East	0	M	86.2	---	---	---	35	2.9	---
06/17/92	Nesting	East	0	X	86.2	---	---	---	36	3.0	---
06/19/92	Nesting	East	0	X	86.2	---	---	---	36	3.0	---
06/29/92	Nesting	East	0	X	86.2	---	---	---	36	3.0	---
06/30/92	Nesting	East	0	M	86.2	---	---	---	36	3.0	---
07/20/92	Nesting	East	0	X	86.2	---	---	---	37	3.1	---
07/21/92	Nesting	East	0	N	86.2	---	---	---	37	3.1	---
08/03/92	Nesting	East	0	X	86.2	---	---	---	37	3.1	---

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Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
06/21/85	Near Shore	East	0	-	---	---	---	---	---	---	---
06/24/85	Near Shore	East	0	-	---	---	---	---	---	---	---
06/26/85	Near Shore	East	0	-	---	---	---	---	---	---	---
06/27/85	Nesting	East	0	N	---	---	---	---	---	---	---
06/28/85	Nesting	East	0	C	---	---	---	---	---	---	---
06/28/85	Near Shore	East	0	-	---	---	---	---	---	---	---
06/29/85	Nesting	East	0	N	---	---	---	---	---	---	---
06/30/85	Near Shore	East	0	-	---	---	---	---	---	---	---
06/30/85	Nesting	East	0	N	---	---	---	---	---	---	---
07/08/85	Near Shore	East	0	-	---	---	---	---	---	---	---
07/09/85	Near Shore	East	0	-	---	---	---	---	---	---	---
07/10/85	Near Shore	East	0	-	---	---	---	---	---	---	---
07/15/85	Near Shore	East	0	-	---	---	---	---	1	0.1	---
07/16/85	Near Shore	East	0	-	---	---	---	---	1	0.1	---
05/26/89	Nesting	East	0	C	---	46	3.8	---	47	3.9	---
05/27/89	Nesting	East	0	X	---	---	---	---	47	3.9	---

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter		Overall			
						Interval Month	Year	Interval Month	Year		
05/28/89	Nesting	East	0	N	---	---	---	47	3.9	---	---
06/08/89	Nesting	East	0	C	---	---	---	47	3.9	---	---
06/09/89	Nesting	East	0	X	---	---	---	47	3.9	---	---
06/10/89	Nesting	East	0	P	---	---	---	47	3.9	---	---
06/22/89	Nesting	East	0	X	---	---	---	48	4.0	---	---
06/23/89	Nesting	East	0	N	---	---	---	48	4.0	---	---
07/04/89	Nesting	East	0	N	---	---	---	48	4.0	---	---
07/16/89	Nesting	East	0	C	---	---	---	49	4.1	---	---
07/17/89	Nesting	East	0	X	---	---	---	49	4.1	---	---
07/28/89	Nesting	East	0	C	---	---	---	49	4.1	---	---
07/29/89	Nesting	East	0	P	---	---	---	49	4.1	---	---
08/11/89	Nesting	East	0	P	---	---	---	49	4.1	---	---

Historical information for turtle 3140

National Marine Fisheries Service
 2570 Dole Street
 Honolulu Hawaii 96822-22396

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
3140	/ /	1681	LFL
3141	/ /	1681	
5214	/ /	1681	R2
5230	/ /	1681	L3
A211	05/08/91	1681	RFL

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/yr	Interval Month	Year	Growth-rates cm/mon cm/yr
06/24/85	Nesting	East	0	N	---	---	---	---	---	---	---
06/24/85	Nesting	East	0	C	---	---	---	---	---	---	---
07/05/85	Near Shore	East	0	-	---	---	---	---	---	---	---
05/22/88	Nesting	East	0	X	---	34	2.8	---	34	2.8	---
05/23/88	Nesting	East	0	X	---	---	---	---	34	2.8	---

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Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
05/24/88	Nesting	East	0	B	---	---	---	---	35	2.9	---
06/06/88	Nesting	East	0	X	---	---	---	---	35	2.9	---
06/07/88	Nesting	East	0	N	---	---	---	---	35	2.9	---
06/09/88	Nesting	East	0	B	---	---	---	---	35	2.9	---
06/12/88	Nesting	East	0	B	---	---	---	---	35	2.9	---
06/20/88	Nesting	East	0	X	---	---	---	---	35	2.9	---
06/21/88	Nesting	East	0	X	---	---	---	---	35	2.9	---
06/23/88	Nesting	East	0	X	---	---	---	---	35	2.9	---
07/05/88	Nesting	East	0	M	---	---	---	---	36	3.0	---
07/06/88	Nesting	East	0	C	---	---	---	---	36	3.0	---
07/07/88	Nesting	East	0	N	---	---	---	---	36	3.0	---
07/21/88	Nesting	East	0	C	---	---	---	---	36	3.0	---
07/22/88	Nesting	East	0	X	---	---	---	---	36	3.0	---
07/23/88	Nesting	East	0	N	---	---	---	---	36	3.0	---
05/08/91	Nesting	East	0	M	---	33	2.8	---	70	5.8	---
05/10/91	Nesting	East	0	X	---	---	---	---	70	5.8	---

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
05/11/91	Nesting	East	0	X	---	---	---	---	70	5.8	---
05/12/91	Nesting	East	0	X	---	---	---	---	70	5.8	---
05/26/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
05/27/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
05/28/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
05/29/91	Nesting	East	0	M	---	---	---	---	71	5.9	---
05/30/91	Nesting	East	0	M	---	---	---	---	71	5.9	---
06/01/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
06/02/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
06/03/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
06/04/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
06/05/91	Nesting	East	0	N	---	---	---	---	71	5.9	---
06/19/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
06/20/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
06/21/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
06/22/91	Nesting	East	0	X	---	---	---	---	71	5.9	---

--Continued
Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
06/23/91	Nesting	East	0	X	---	---	---	---	71	5.9	---
06/24/91	Nesting	East	0	N	---	---	---	---	72	6.0	---
07/07/91	Nesting	East	0	X	---	---	---	---	72	6.0	---
07/08/91	Nesting	East	0	M	---	---	---	---	72	6.0	---
07/21/91	Nesting	East	0	X	---	---	---	---	72	6.0	---
07/22/91	Nesting	East	0	X	---	---	---	---	72	6.0	---
07/23/91	Nesting	East	0	X	---	---	---	---	72	6.0	---
07/24/91	Nesting	East	0	X	---	---	---	---	73	6.1	---
07/25/91	Nesting	East	0	X	---	---	---	---	73	6.1	---
07/26/91	Nesting	East	0	X	---	---	---	---	73	6.1	---
07/27/91	Nesting	East	0	X	---	---	---	---	73	6.1	---
07/28/91	Nesting	East	0	X	---	---	---	---	73	6.1	---
07/29/91	Nesting	East	0	X	---	---	---	---	73	6.1	---
07/30/91	Nesting	East	0	X	---	---	---	---	73	6.1	---

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter		Overall	
						Interval Month	Growth-rates cm/mon	Interval Month	Growth-rates cm/mon
06/19/86	Nesting	East	0	N	---	---	---	---	---
06/23/86	Near Shore	East	0	-	---	---	---	---	---
07/04/86	Nesting	East	0	N	---	---	1	0.1	---
07/11/86	Near Shore	East	0	-	---	---	1	0.1	---
07/12/86	Near Shore	East	0	-	---	---	1	0.1	---
07/19/86	Nesting	East	0	N	---	---	1	0.1	---
05/03/89	Nesting	East	0	C	33	2.8	34	2.8	---
05/20/89	Nesting	East	0	X	---	---	35	2.9	---
05/29/89	Nesting	East	0	C	---	---	35	2.9	---
05/31/89	Nesting	East	0	C	---	---	35	2.9	---
06/03/89	Nesting	East	0	X	---	---	35	2.9	---
06/04/89	Nesting	East	0	N	---	---	36	3.0	---
06/16/89	Nesting	East	0	X	---	---	36	3.0	---
06/17/89	Nesting	East	0	X	---	---	36	3.0	---
06/29/89	Nesting	East	0	M	---	---	36	3.0	---
07/11/89	Nesting	East	0	X	---	---	37	3.1	---

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Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
07/12/89	Nesting	East	0	X	---	---	---	---	37	3.1	---
07/15/89	Nesting	East	0	N	---	---	---	---	37	3.1	---
07/26/89	Nesting	East	0	P	---	---	---	---	37	3.1	---

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter		Overall			
						Interval Month	Year	Interval Month	Year		
06/21/89	Nesting	East	0	C	---	---	---	1	0.1	---	---
07/03/89	Nesting	East	0	X	---	---	---	1	0.1	---	---
07/04/89	Nesting	East	0	P	---	---	---	1	0.1	---	---
07/17/89	Nesting	East	0	X	---	---	---	2	0.2	---	---
07/18/89	Nesting	East	0	X	---	---	---	2	0.2	---	---
07/31/89	Nesting	East	0	C	---	---	---	2	0.2	---	---
08/01/89	Nesting	East	0	C	---	---	---	2	0.2	---	---
08/03/89	Nesting	East	0	N	---	---	---	2	0.2	---	---
08/16/89	Nesting	East	0	X	---	---	---	3	0.3	---	---
05/08/91	Nesting	East	0	X	---	20	1.7	24	2.0	---	---
05/09/91	Nesting	East	0	N	---	---	---	24	2.0	---	---
05/23/91	Nesting	East	0	X	---	---	---	24	2.0	---	---
06/05/91	Nesting	East	0	X	---	---	---	24	2.0	---	---
06/06/91	Nesting	East	0	N	---	---	---	24	2.0	---	---
06/19/91	Nesting	East	0	X	---	---	---	25	2.1	---	---
06/20/91	Nesting	East	0	X	---	---	---	25	2.1	---	---

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
						Interval Month	Year	Growth-rates cm/mon	Interval Month	Year	Growth-rates cm/mon
06/21/91	Nesting	East	0	N	---	---	---	---	25	2.1	---
07/03/91	Nesting	East	0	N	---	---	---	---	25	2.1	---
07/15/91	Nesting	East	0	N	---	---	---	---	26	2.2	---
07/27/91	Nesting	East	0	P	---	---	---	---	26	2.2	---
08/13/91	Nesting	East	0	X	---	---	---	---	27	2.3	---
08/14/91	Nesting	East	0	X	---	---	---	---	27	2.3	---
08/15/91	Nesting	East	0	X	---	---	---	---	27	2.3	---
08/16/91	Nesting	East	0	X	---	---	---	---	27	2.3	---
08/17/91	Nesting	East	0	N	---	---	---	---	27	2.3	---