

2 of 2

FRENCH FRIGATE SHOALS  
1981 EXPEDITION AT  
25 MAY - 18 JUNE TCI - 89

G. H. BALAZS BOOK I

(808) 395-6409



60-TC

06 FEB 2003

TAGS-

~~3742 RFL~~~~5301 LFL~~~~5302 LFL~~~~3838 RFL~~

S-93.1 x 73.8

C-ORIG. TAGGED 5/26 AS BASK

DATE/TIME	AREA	ACTIVITY	REMARKS	DATE/TIME
<del>6/5/8 12:30 AM</del>	<del>31</del>	<del>NEST-LAY</del>		<del>6/5 FRIDAY</del>
<del>6/6 11:30 AM ?</del>	<del>6</del>	<del>nest</del>		<del>6/9 TUES</del>
<del>6/8 Friday 1 PM</del>	<del>SNEP</del>	<del>Basking</del>	<del>Recorded by Rita</del>	
<del>6/9 1 PM</del>	<del>SP (sw side)</del>	<del>Bask</del>	<del>ITTNER</del>	
<del>6/10 5 PM</del>	<del>SP (sw side)</del>	<del>Bask</del>		
<del>6/15 Monday 11:30 AM</del>	<del>4</del>	<del>NEST</del>		
<del>6/16 3 AM</del>	<del>3</del>	<del>NEST-LAY</del>		
<del>6/17 wed. 3 AM</del>	<del>SP</del>	<del>Basking</del>	<del>There until at least 7 AM</del>	



X TAGS - RECOVERY -

TC - 61

06 FEB 2003

ENTERED NO. 129

~~2766 RLF~~

~~5300 RFL~~

S -

C -

~~LFL~~  
~~LFL~~  
~~LFL~~  
~~RFL~~  
AS BASK

MARKS

by Ruth

at Pat  
7 AM

DATE/TIME	AREA	Activity	REMARKS
6/5 <del>THUR</del> FRIDAY	7	Nest	Tag recovery RFL not locked
6/9 <del>TUES</del> 4:50 PM	NEP	Basking	



62-TC  
06 FEB 2003

- RECOVERY -

\* TAGS -

2235/  
2237/  
3145 (between  
scapes)  
5305 LEEND (new)

need date  
9367

Recovery NO. 70

S-91.5 x 73.7

C-

DRG. Recovered basking 6/4  
SEP

DATE/TIME	AREA	Activity	REMARKS	DATE/TIME
6/5 2 AM PRD	7	Nest	Dug with hind flippers into another turtle egg clutch; I stopped her.	6/5 2:30
6/5 6:30 AM	SEP	BASK		6/5 6
6/5 11 PM	5	Nest		6/5 11
6/6 11 PM	12	Nest - Probable LAY		6/9 11
6/11 6 PM Thurs.	SEP	BASK		6/11 Thu 6
6/17 11 AM Wed	SEP	offshore	shallow water	6/17 103

N EAST 28 JUNE 77; EAST 18 JUNE 79 - N



TAGS -

~~378 TFC~~

(Taken off)

~~5071 TFC~~ ~~5314 RFL~~ ~~2nd~~

~~TC-63~~

06 FEB 2003

S-91.4 x 68.9 C-

between scales)  
and (new)

ing 6/4

flippers

Poppet

tes

DATE/TIME	AREA	ACTIVITY	REMARKS
<del>6/5 2:30 AM</del> <sup>6/4</sup>	<del>8</del>	<del>Nest</del>	<del>MP dorsal left shoulder</del>
<del>6/5 6:30 AM</del>	<del>SEP</del>	<del>BASK</del>	
<del>6/5 11:30 AM</del>	<del>3</del>	<del>NEST-LM</del>	<del>5071 Taken off - too tight.</del>
<del>6/9 11:30 AM</del>	<del>SEP</del>	<del>night Basking</del>	<del>part of scale missing LFL.</del>
<del>6/11 Thurs. 6 PM</del>	<del>SEP</del>	<del>BASK</del>	
<del>6/17 1030</del>	<del>3</del>	<del>NEST</del>	



64-TC //

06 FEB 2003

TAGS-

~~5308 RFL~~

~~5309 CEND~~

~~3793 LFL~~  
(TORN SOME)

S-93.4 x 71.9

C-

DATE/TIME	AREA	ACTIVITY	REMARKS
<del>6/5 5:30 AM</del>	<del>SP</del>	<del>Nest</del>	
<del>6/5 6:30 AM</del>	<del>SEP</del>	<del>BASKING</del>	
<del>6/7 3-6 PM</del>	<del>NEP</del>	<del>"</del>	
<del>6/8 1 AM</del>	<del>3</del>	<del>Nest-LAY</del>	
<del>6/10 5 PM</del>	<del>NEP</del>	<del>BASKING</del>	
<del>6/14 Sunday 7 PM</del>	<del>NEP</del>	<del>"</del>	
<del>6/15 2 PM</del>	<del>NEP</del>	<del>"</del>	
<del>6/16 2 PM</del>	<del>NEP</del>	<del>"</del>	

DATE/TIME
<del>6/5 5</del>
<del>6/9 7-5</del>
<del>6/16 15 700</del>
<del>6/16 11:30</del>
<del>6/17 3 AM</del>
<del>6/17 10:30</del>
<del>6/18 2</del>



~~RFL~~  
~~END~~  
~~(some)~~

TAGS- 5068  
5069  
5310<sup>ZNL</sup>

5449RFL<sup>ZNL</sup> FC - 65  
06 FEB 2003

orig. tagged 5/27 AQ BASK  
C-

S-

DATE / TIME	AREA	ACTIVITY	REMARKS
6/5 5:50 AM	6	<del>NEST-LAY</del>	
6/9 TUES. 4-5 PM	NEP	Basking	
6/16 <sup>15</sup> TUES. 3 AM	6	<del>NEST</del>	
6/16 11:30 PM	6	Nest	
6/17 3 AM			
6/17 10:30 PM	5	<del>Nest-LAY</del>	she dug a deep covering pit.
6/18 2 AM	5		5449 applied Flipper - 16.9



66-TC

-RECOVERY-

x TAGS-  
2803 RFL  
378 SLZ  
531 RFL

06 FEB 2003  
ENTERED NO. 131

S-90.5 x 69.9 e-

DATE/TIME	AREA	ACTIVITY	REMARKS	DATE/TIME
6/5/11:30 AM	6	NEST	2803 screw bit squashed	6/6/8
6/6/2 AM	5	NEST-LAY	No knots felt in left flap.	6/10 wedn
6/9 TUES. 4-5 PM	NEP	Basking	Coraline algae covering number - had to be scrapped off.	6/11 5P
6/9 11:30 AM	NEP	apparently still basking		6/11 6P
6/10 5 PM	NEP	BASKING		
6/12 FRIDAY 5 PM	NEP	BASKING		
6/14 7 PM	NEP	)		



~~1/1~~  
~~3 RFL~~  
~~8/3 LFL~~  
~~1/6 RFL~~

TAGS- 5312 ~~RFL~~  
5315 ~~R2nd~~  
ENT. NO. 305 3782 ~~LFL~~

~~TC - 67~~

06 FEB 2003

S-93.5 x 74.5

C-

what  
4 in  
covering  
e

<u>DATE/TIME</u>	<u>AREA</u>	<u>ACTIVITY</u>	<u>REMARKS</u>
<del>6/6/81 2 AM</del>	<del>S</del>	<del>NEST-LAY</del>	
<del>6/10 wednesday 5 PM</del>	<del>NEP</del>	<del>BASK</del>	
<del>6/11 6 PM</del>	<del>SEP</del>	<del>BASK</del>	



68-TC

07 FEB 2003

TAGS-

~~5317<sup>2nd</sup>LF~~  
~~5337~~  
~~3792LF~~

entered N

S- 90.8 x 69.4 C-

DATE/TIME	AREA	ACTIVITY	REMARKS
<del>6/6/81 2AM</del> <del>SATURDAY</del>	<del>5</del>	<del>NEST</del>	<del>near bank</del>
<del>6/7 11PM</del>	<del>3</del>	<del>NEST-LAY</del>	
<del>6/10 5AM</del> <del>MON.</del>	<del>NEP</del>	<del>BASK</del>	
<del>6/15 2PM</del>	<del>SEP</del>	<del>BASK</del>	
<del>6/20/83</del>	<del>(4) TC 27</del>	<del>N</del>	<del>All 3 TAGS STILL PRESENT</del>

DATE/TIME  
~~6/6/81~~

~~6/9 TUE 4-5~~

~~6/10~~

~~6/11~~

~~6/13 SAT~~



x TAGS-

- RECOVERY -

TC-69

07 FEB 2003

2223 LFL

2224 RFL

5320 (new)

entered no. 108

ORIG. TAGGED 5/27 BASK PERAST

S-92.1 ✓ x 70 ✓ C-

ets  
ank

<u>DATE/TIME</u>	<u>AREA</u>	<u>ACTIVITY</u>	<u>REMARKS</u>
6/6/8 ✓ 2:30am - 5:30am	4 ✓	NEST ✓	
	2 ✓	Nest-Lay	
6/9 ✓ TUES. 4-5pm	SEP	Basking	
6/10 ✓ 5pm	NEP	Bask	
6/11 ✓ 6pm	SEP	BASK	
6/13 ✓ SATURDAY 11:30pm	SEP	BASK	

WT



70-TC

07 FEB 2003

TAGS-

5182

5096

ENTERED NO. 157

S-90.1 x 71.1

C-

DATE/TIME	AREA	ACTIVITY	REMARKS	DATE/TIME
6/6/81 SAT	17	NEST-LAY	wait to scale of egg - 16 cm (w/ tape measure)	6/6/81
6/10 SEM	NEP	BASK		
6/12 Friday 2PM	10	BASK		

Recovered by AK on 3 April 1982 basking  
Laysan



TAGS - 5098

5275

GNT,

NO. 427

3784RF

Tc - 71a  
(BROWNISH)

07 FEB 2003

S - 95.3 x 78.5

C -

DATE/TIME

AREA

ACTIVITY

REMARKS

6/6/81 5AM

7

Nest-Lay

originally tagged

5/28 at RCP; seen

hopping 6/3 at G.W.

L Flippers underside - 14cm  
(w/ tape measure) everted upper - 18.2

Brownish colored turtle

6cm

sking



Seventy one (b)

72 TC

07 FEB 2003

ALL 3 TAGS  
Revised EAST  
6/14/89 EAST

TAGS-

5087R  
5336<sup>2nd</sup>  
3796R

S-85.3 x 68.7

C-

DATE/TIME	AREA	ACTIVITY	REMARKS
6/6 11:30AM	9	Nest	OP 4. Tagged basking 5/27 EAST SA
6/7 Sunday 10PM	17	Nest-	behind tent - added 5336 RFC <sup>2nd</sup>
6/8 2AM	17	Nest LAY	photo on Roll 4

ENT. NO.

427

5336 → BASKING - seen several times  
Tag no. rechecked  
Carry Mendonca PAPAIA Bay  
RANCH, HAWAII  
I visited site 2/1/89 w/Heacock

72-TC

ENTERED NO. 123

Recovery-

07 FEB 2003

S-89.4 x 72.2

x TAGS -  
5342<sup>2nd</sup> 2768R  
5342R<sup>2nd</sup> 2767R

DATE/TIME	AREA	ACTIVITY	REMARKS
6/5/81 SAT 11:30AM	6	Nest	2768 dangling
6/7 3:30PM	SEP	BASK	small/medium TMR on right shoulder.
6/8 2AM	6	NEST-LAY	white collagen on surface
6/14 SUN 7PM	SEP	BASK	Flipper width - 5-5.5 cm
6/15 2PM	SEP	BASK	6th trailing scale, from line?

deformed RHC



xTAGS - 2666 LFL

- Recovery -

TC - 73

07 FEB 2003

entered no. 118

5372 <sup>2nd</sup> RFL

S - 86.1

C - P - 3

DATE/TIME	AREA	ACTIVITY	REMARKS
6/7/81 1:45 AM Sunday	3	Nest	
6/7 3:26 PM	SEP	BASK	
6/9 <sup>6/8</sup> 3 AM - 5 AM	SP	Nest	
6/9 11:30 PM	SP	Nest	
6/12 <sup>with</sup> Friday 1 AM - 5 AM	SP (at the very end)	NEST-LAY (?)	
6/12 11 AM / 6/13 3 AM	SP	Nest	having trouble digging? dysfunction?
6/13 1 AM	6	NEST	
6/14 - 6/15 AM	5	Nest	replayed TC 73

ORIGINALLY ~~FAKED~~ <sup>seen</sup> BASKING 5/27 SEP

RFF  
SQUARISH TEND

2600%  
having trouble digging?  
dysfunction?

replayed  
TC 73

sting  
SP

RFL

Boy

68 RFL  
67 LFL

TMR  
edges  
surface

line?

11



74-TC

07 FEB 2003

TAGS-

~~5327 RFL~~

~~5328 RFL~~

~~3785 LFL~~

S-95.9

x

~~72.1~~

C-

<u>DATE/TIME</u>	<u>AREA</u>	<u>ACTIVITY</u>	<u>REMARKS</u>	<u>DATE/TIME</u>
<del>6/7/81 1:45 AM</del> Sunday	<del>3</del> (near TC75)	<del>Nest-Lay</del>		<del>6/7/81</del>
<del>6/7 3:46 PM</del> Tues.	<del>SEP</del>	<del>BASK</del>		
<del>6/9 4:50 PM</del>	<del>SEP</del>	<del>"</del>		
<del>6/10 5 PM</del>	<del>11</del>	<del>BASK</del>		



~~FC~~  
~~2nd~~  
~~FC~~  
TAGS - 5329 ~~RFC~~  
5330 ~~2nd~~  
3786 ~~CFC~~

~~Te~~ - 75

07 FEB 2003

S - 92.2 x 67.2

C -

<u>DATE/TIME</u>	<u>AREA</u>	<u>ACTIVITY</u>	<u>REMARKS</u>
6/7/81 <del>6:45am</del> sunday	3 (near 74)	NEST-LAY	possible knot in left flap Measured w/ CALIPERS: 15.5 cm (from nail scale) to



76-TC /

07 FEB 2003

TAGS-

5332 PFL

3789L <sup>2nd</sup>

3797 LFL

ENT. # 230

S- NT

C-

DATE/TIME	AREA	ACTIVITY
6/7/81 <sup>2AM</sup> Sunday 4AM	13	NEST
6/8 2AM	17	Nest-LAY

REMARKS

ing tags;  
Applied 5332 &  
3789  
Photos Roll 4  
near tent.

DATE/TIME

6/7/81  
Sunday

6/7 3-6

6/8 Tue  
4-5



~~RFL~~  
~~L 2nd~~  
~~R~~  
TAGS-5223 RFL  
3732 LFL  
3787 L<sup>2nd</sup> (New)

~~FE~~ - 77

07 FEB 2003

ENT. #250

S-90.6 x 70.5

C-

<del>DATE/TIME</del>	<del>AREA</del>	<del>ACTIVITY</del>	<del>REMARKS</del>
<del>6/7/01</del> Sunday	<del>7</del>	<del>NEST-LAY</del> Flippers with caliper 15.1cm more proximal 17.1cm	<del>white coralline patch on 1st lat left. stopped laying early when tag touched.</del>
<del>6/7</del> 3-6PM	<del>NEP</del>	<del>BASK</del>	
<del>6/9</del> Tues. 4-5PM	<del>SEP</del>	<del>&gt;&gt;</del>	



78-TC

-RECOVERY-

\*TAGS-

2729 LFL

5331 RFL

3788 LFL

07 FEB 2003

PREVIOUS RECOVERIES No. 52

S-101.2 x 75.6

C-

DATE/TIME	AREA	ACTIVITY
6/7 <sup>SUNDAY</sup> 1978	16	NEST-LAY

REMARKS  
 hole in right flap  
 large time endorsement  
 proximal surface  
 of LFL

EAST 21 JUNE 75; EAST 16 JUNE 78;



~~LFL~~  
~~EFL~~  
~~EFL 2nd~~

TAGS -

~~5324 RFL~~  
~~5333 CFL~~  
~~3791 EFL 2nd~~

ENT. NO.  
410

~~Te - 79~~  
07 FEB 2003

S - 87.9 x 69.5

C -

flap  
or san  
se

DATE/TIME	AREA	ACTIVITY
<del>6/6</del> <del>6/7/80</del>	<del>SNEP</del>	<del>Nest LAY</del>
	<del>9</del>	
<del>6/12</del> <del>Friday</del> <del>5PM</del>	<del>NEP</del>	<del>BASKING</del>
<del>6/15</del> <del>Mon</del> <del>11PM</del>	<del>SEP</del>	<del>&gt;&gt;</del>

Remarks  
~~experienced problems~~  
~~eggs came out very~~  
~~slow. Covered when I~~  
~~checked for stage; probably~~  
~~not a full clutch.~~



80-TC  
07 FEB 2005

TAGS-

ENT. #  
252

~~3804 RFL~~

~~5371 UFL~~ <sup>2nd</sup>

~~3806 RFL~~ <sup>2nd</sup>

~~5373 UFL~~

S- 90.9 x

C-

DATE/TIME	AREA	ACTIVITY	REMARKS	NOS
6/7/08 11pm <sup>Sunday</sup>	3	NEST	<del>INLAND</del>	
6/9 3:10pm <sup>wed</sup>	2	NEST	<del>RHLimb</del>	
6/10 3:30am	1	NEST-LAY	15.2cm Flipper Width	



(CONTINUED AFTER PAGE 90)



2nd  
1 LFL  
3 LFL

# 1981 BASKING INCIDENCE

OBSERVED BASKING

NOT OBSERVED BASKING

DETECTION NOT POSSIBLE

TC NOS.

~~MISSING~~

TC NOS.	OBSERVED BASKING	NOT OBSERVED BASKING	DETECTION NOT POSSIBLE
1	1P	28	28
2	4P	29	29
3	2P	30	30
4	2P	31	31
5	2P	32	32
6	PP	33	33
7	101	34	34
8	501	35	35
9	501	36	36
10	PO1	37	37
11	201	38	38
12	201	39	39
13	FO1	40	40
14	801	41	41
15	011	42	42
16	111	43	43
17	511	44	44
18	511	45	45
19	111	46	46
20	211	47	47
21	#	48	48
22		49	49
23		50	50
24		51	51
25		52	52
26		53	53
27		54	54
28		55	55
29		56	56
30		57	57
31		58	58
32		59	59
33		60	60



<u>TC NOS.</u>	<u>AREA</u>	<u>TC NOS.</u>	<u>AREA</u>	<u>TC NOS.</u>	<u>AREA</u>
62	12	91	5	1	
63	3	94	7	2	
64	3	95	SP	3	
65	6,5	96	6	4	
66	5	99	8	6	
67	5	101	7	7	
68	3	102	5	8	
69	2	103	6	9	
70	17	104	14	10	
71A	7	105	5	11	
71B	17	106	4	12	
72	6	107	1	13	
73	3	108	4	14	
75	3	110	17	15	
76	17	111	7	16	
77	7	112	SP	17	
78	16	113	5	18	
79	SNEP	116	2	19	
80	I	118	7	20	
82	5			21	
83	6			22	
85	3			23	
86	7			24	
88	SP			25B	
89	7			25A	
90	2			27	



# AREAS OF SUCCESSFUL NESTING

<u>TC NOS.</u>	<u>AREA</u>	<u>TC NOS.</u>	<u>AREA</u>
1	3	28	5, 6
2	7, 6	29	12, 7
3	6, 5	30	3, 5
4	7, 16	32	8, 9
6	6, 6	33	5, 5
7	6, 5	34	5
8	5, 4	36	11, 7
9	3, 4	37	7
10	16	38	8, 5
11	17, 2	39	17
12	5	40	3
13	6, 5	41	5, 3
14	12, 5	42	17
15	6, 11	43	6, 7
16	8	47	17, 17
17	4	48	8
18	7	49	17, 17
19	3, 16	50	5, 7
20	6, 7	52	5
21	7, 7	53	11
22	6, 5	55	6, 4
23	7, 1	56	6
24	5	57	4, 3
25B	17	58	1, 3
25A	6, 5	59	2, 2
27	4, SP	60	3, 3

(CONTINUED PB2)



Should try to answer questions -  
 1. what is the most responsible factor for tag loss?  
 2. what is best tag site?

84

1981 Number TURTLES WITH	MALES			FEMALES		
	NEW	REC.	TOTAL	NEW	REC.	TOTAL
1 tag -	39	7	46	26	2	28
2 tags -	27	11	38	20	13	33
3 tags -	5	2	7	43	18	61
4 tags -	0	1	1	16	22	38
		<u>21</u>			<u>55</u>	

Calculate % tag loss from the above categories;  
 What basic number is used, say for 2 (double tagging) - the total number recovered, or the total number of animals tagged? see p116

NO. TAGS	MALES		FEMALES			
	NEW	RECOVERY	BASKING		NESTING	
	NEW	RECOVERY	NEW	RECOVERY	NEW	RECOVERY
1	39	7	20	2	6	0
2	27	11	9	7	11	6
3	5	2	0	1	43	17
4	0	1	0	0	16	22

1981 NUMBER TURTLES WITH	1 TAG	- 74	29.4%
(Both MALE & FEMALE)	2 TAGS	- 71	28.2%
	3 TAGS	- 68	27.0%
	4 TAGS	- 39	15.5%
		<u>252</u>	TOTAL

\* Turtle with one tag only are usually those encountered basking in which it is not possible to get more tags on.

18  
 84  
 168  
 53 (21%)  
 61  
 ALL MALES -  
 ALL FEMALES - 115



MALES  
 REC. TOTAL  
 2 28  
 13 33  
 18 61  
 22 38  
 55

# SUMMARY OF NUMBERS TAGGED

TOTAL ~~84~~ 168  
 RECOVERY ~~27 (28.4%)~~ 53 (31.7%)  
 NEW 61  
 ALL MALES -  
 ALL FEMALES -

(BASKING)

TRIG  
 MALE -  
 FEMALE -  
 WHALE-SKATE  
 MALE -  
 FEMALE -  
 LITTLE GIN  
 MALE -  
 FEMALE -  
 EAST  
 MALE -  
 FEMALE -  
 GIN  
 MALE -  
 FEMALE -  
 TERN  
 MALE -  
 FEMALE -

NEW

RECOVERY

TAG ENCOUNTERS TOTAL

	NEW	RECOVERY	TAG ENCOUNTERS TOTAL
TRIG MALE -	3	2	5
TRIG FEMALE -	1	1	2
WHALE-SKATE MALE -	15	5	20
WHALE-SKATE FEMALE -	26	3	29
LITTLE GIN MALE -	4	1	5
LITTLE GIN FEMALE -	0	0	0
EAST MALE -	38	15 (28.3%)	53
EAST FEMALE -	10	4	14
GIN MALE -	1	0	1
GIN FEMALE -	2	1	3
TERN MALE -	0	0	0
TERN FEMALE -	0	0	0
(NESTING) EAST (TCs) <sup>78</sup> <sub>if not assigned TC (All new)</sub>	76	44 (36.7%)	120
WHALE-SKATE	0	0	0
TRIG	0	0	0
<b>TOTALS -</b>	<b>176</b>	<b>76 (30.2%)</b>	<b>252</b>
ALL EAST FEMALES SEEN -	86	48 (35.8%)	134

es;  
 ble  
 16  
 STING  
 Recovery  
 0  
 6  
 17  
 22  
 29%  
 29%  
 29%  
 5%







TAGS - 5338 ~~RFC~~

~~FC~~ - 81

07 FEB 2003

S-

C-

<u>DATE/TIME</u>	<u>AREA</u>	<u>ACTIVITY</u>	<u>REMARKS</u>
<del>6/8/81</del> Monday	<del>5</del>	<del>Nest</del>	looks Big
6/11 <del>Thurs.</del>	<del>NEP</del>	BASK	



92-TC

RECOVERY

x TAGS -

07 FEB 2003

3794R<sup>2nd</sup>

3181 LFL

2270 RFL

(taken off)

5339 RFL

PREVIOUS RECOVERIES NO. 45

S-95.3 x 73.7

C-2

DATE/TIME	AREA	ACTIVITY	REMARKS	DATE/TIME
6/8/81 1AM	5	NEST-LAY	2270 retained	6/8/81
6/11 Thurs 6PM	NEP	BASKING	for corrosion analysis by	
6/16 2PM	NEP	)	Huntington Alloys	

~~N/EAST 11 AUGUST 74; EAST 11 MAY 77-B; EAST 2 JULY 77-N;  
EAST 7 MAY 77-B; EAST 21 JUNE 79-N~~



TAGS - ~~5340RFL~~  
~~3795LFL~~

~~TC - 83~~  
10 FEB 2003

ENT. NO. 304

S - ~~97.2~~ x ~~73.5~~

<u>DATE/TIME</u>	<u>AREA</u>	<u>ACTIVITY</u>	<u>REMARKS</u>
<del>6/8/2AM</del>	<del>6</del>	<del>Nest - Lay ?</del>	<del>Small TMR nest on R flap</del>



84-TC

10 FEB 2003

TAGS-

5343RFL<sup>2nd</sup>

5344RFL

~~5345~~

3801

S-92.9 x 71.7

C-

DATE/TIME	AREA	ACTIVITY	REMARKS
6/8/81 2 AM MONDAY 49	4	Nest	digging into banks; sand thrown into my eyes. Healed injury to 1st mandible left.
6/8 11:30 PM TUES.	SP	<del>NEST</del>	
6/9 1 PM	5	Basking	
6/9 4:50 PM WEDNESDAY	SEP	"	
6/10 3 PM SUN.	4	NEST	(read 5345 5343? most likely)
6/14 7 PM	SEP	BASKING	Flipper width - 16.1 cm



x TAGS - ~~2217 RFL~~

- RECOVERY -

TC-85

10 FEB 2003

PREVIOUS RECOVERY No. 69

~~2216 LFL~~

~~5347L 2nd~~

~~5348R 2nd~~

S-88.1 x 65.9 x C-

DATE/TIME	AREA	ACTIVITY	REMARKS
6/8/81 <del>2 AM</del> Monday 4:30 AM	14 3	Nest Nest-LAY	slb area large TMR right ventral shoulder area. Drops when crawling.

~~...~~  
EAST 26 JUNE 77 - N; EAST 17 JUNE 79 - N



86-TC

- Recovery -

\* TAGS -

~~278 URF~~  
~~3798 URF<sup>1st</sup>~~  
~~5346 R<sup>2nd</sup>~~

10 FEB 2003

S-93.0 x 71.5

C-

DATE/TIME  
6/8 ~~Monday~~ ~~11:50 AM~~

AREAS  
7

ACTIVITY  
NEST-LAY

REMARKS  
Piece of left flap missing; white coralline on carapace  
S-15.7 cm flipper width



TAGS- 5349LFL

~~Te~~ - 87

ENT. #225

10 FEB 2003

S-

C-

<u>DATE/TIME</u>	<u>AREA</u>	<u>ACTIVITY</u>	<u>REMARKS</u>
<u>6/8 Monday</u> <sup>5 AM</sup>	<u>2</u>	<u>NEST</u>	<u>Right Front Flipper</u> <u>1/3 - 1/2 missing, - healed.</u>



88-TC

- Recovery -

\*TAGS-

10 FEB 2003

Entered no. 109

~~2242 RFL~~  
~~5296 LFL~~  
~~5378 KFL~~ <sup>2nd</sup>  
~~3800 RFL~~ <sup>2nd</sup>

S-83.0 x 60.1 C-

orig. recovered 6/9 Bask-SEP

DATE / TIME	AREA	ACTIVITY	REMARKS
<del>6/8/81 Monday 11PM</del>	<del>13</del>	<del>NEST</del>	
<del>6/10 1 AM</del>	<del>SP</del>	<del>Nest-LAY</del> (in front of tent)	<del>Straight left flipper</del> <del>Width - 14.0cm</del>



TAGS - 5367 ~~REF~~

5369 ✓

3799 ✓

~~TC~~ - 89

10 FEB 2003

ENT. # 253

S - ~~91.2~~ x 71.8

C -

<u>DATE/TIME</u>	<u>AREA</u>	<u>ACTIVITY</u>	<u>REMARKS</u>
6/8/82 11:30 AM	8 ✓	NEST ✓	
6/9 2:30 AM - 5 PM	7 ✓	Nest-LAY	applied 5369 Barnacles on carapace
6/13 SATURDAY 7 PM	8 ✓	BASKING ✓	
6/15 11:00 AM	SEP ✓	BASK ✓	

(Continued in TC Book No. 2)



## - MONK SEAL CENSUS -

DATES	TIMES	LYP	ADULT	PREG MOLT PAIRS	SA	P	SWP	LOCATION
5/27/81 WEDNESDAY	5 PM:	1	25	2 pair 1 Preg	1	23	16	EAST TOTAL-49

5/29 FRIDAY	4 PM:	4	23		5	22	14	EAST
----------------	-------	---	----	--	---	----	----	------

6/3 wednesday	3:15 PM	<del>0</del> 7	3		6	1	0	Little GIN
------------------	---------	----------------	---	--	---	---	---	------------

6/3 wednesday	4 PM	-	7		1	2	2	GIN
------------------	------	---	---	--	---	---	---	-----

6/8 <sup>12-4 PM</sup> monday Schulmeister & 2 Geologists from dead pup on W-S less than 1wk old; mother seemed to be still in area. Also reported that another seal is nursing 2 pups.

6/8 <sup>monday</sup> 11:30 PM I observed fat wean pup & black pup weaning medium sized pup at SNEP. This 3-some has been present since nearly my first night on EAST IS.

6/9 Several green LYP's seems to have showed up over the past few days on East Is.

6/10 wednesday	6 PM	0	23	2 pair	0	22	17	EAST TOTAL-45
-------------------	------	---	----	--------	---	----	----	------------------

6/14 sunday	6:30 AM	0	12		0	14	11	ROUND + 1 BASKING Turtle
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>6/15 Seems to lots of SA's & LYP's up at night (due to MOON?)



<u>DATES</u>	<u>TIMES</u>	<u>LYP</u>	<u>ADULT</u>	<u>PREG MOLT PAIRS</u>	<u>SA</u>	<u>P</u>	<u>SWP</u>	<u>LOCATION</u>
6/18 <del>Friday</del> Thursday	11 AM		6	(3 pairs)	1			ROUND
6/18 Thursday	~9:30 AM	0	25	PREG - 3 (1 w/ neck scar)	1	26	13	EAST
ALL SEALS PROBABLY VERY VISIBLE DUE TO EXTREME LOW TIDE				PAIRS - 3(?)			(2 BORN 6/18 AM 13 AM - 9 AM 1 - A10 1 - A6 (By water)	



# - MONK SEAL TAG RECOVERIES -

<u>DATE/TIME</u>	<u>TAG NO.</u>	<u>STAGE</u>	<u>LOCATION/REMARKS</u>
------------------	----------------	--------------	-------------------------

Note: The number of tagged seals sighted seems to have decreased considerably in the past few years - Reasons?

as of  
7/6/16

Seal with live scars around neck,  
by <sup>BILL DOZIER</sup> rusty tractor - pregnant and will pup?



## - SUMMARY OF CARAPACE MEASUREMENTS -

TC	SL	TC	SL	TC	SL
R 2	93.0 cm	29	92.0	60	93.1
R 3	102.0	30	95.2	R 62	91.5
4	92.2	32	97.5	63	91.1
6	93.0	R 33	91.3	64	93.4
7	92.5	34	97.0	R 66	90.5
8	84.2	36	90.0	67	93.5
9	90.5	37	92.4	68	90.8
10	94.0	R 38	94.7	R 69	92.1
R 11	94.8	39	97.8	70	90.1
R 12	91.5	40	91.0	71A	95.3
R 13	92.5	41	97.5	71B	85.3
R 14	95.5	R 42	95.3	R 72	89.4
15	90.6	R 43	97.1	R 73	86.1
16	93.5	R 44	84.6	74	95.9
R 17	91.5	R 45	88.5	75	92.2
R 18	94.9	<del>47</del>	91.5	<del>77</del>	90.6
19	93.1	48	90.2	R 78	101.2
R 20	92.4	49	97.1	79	87.9
R 21	98.7	R 50	93.5	80	90.9
22	94.4	51	97.3	R 82	95.3
R 23	95.2	R 52	88.9	83	97.2
24	90.3	R 53	90.4	84	92.9
R 25b	95.2	R 55	90.5	R 85	88.1
25A	90.5	R 56	86.8	R 86	93.0
R 26	95.3	57	96.5	R 88	83.0
27	95.6	R 58	92.4	89	91.2
28	95.3	59	93.5	R 90	89.2



## RECOVERIES -

$$\bar{x} = 92.58 \text{ cm} \quad N = 42$$

$$\text{RANGE} - \overset{83.0}{\del{83.0}} - 102.0 \text{ cm} \quad 3888.3$$

TC	SC
94	92.3 cm
95	95.5
99	93.6
101	100.7
R 102	92.7
103	89.9
104	91.2
R 105	101.1
106	87.6
R 107	94.6
108	97.7
109	89.5
R 110	94.6
111	88.8
112	93.8
113	92.5
R 114	87.2
115	97.1
R 116	92.2
117	86.0
118	91.8

## NEW TAGS -

$$\bar{x} = 92.76 \quad N = 60$$

$$\text{RANGE} - 84.2 - 101.1 \text{ cm} \quad 5565.6$$

## OVERALL -

$$\bar{x} = \quad N = 102$$

$$\text{RANGE} - 92.69 \text{ cm} \quad 9453.9$$

		NEW	RECOV.		NEW	RECOV.
83 cm		0	1	101 cm	0	2
84 -		1	2	102 -	0	1
85 -		1	0			
86 -		1	2			
87 -		2	1			
88 -		1	3			
89 -		2	2			
90 -		11	3			
91 -		6	4			
92 -		8	6			
93 -		9	3			
94 -		2	5			
95 -		5	6			
96 -		1	0			
97 -		8	1			
98 -		0	1			
99 -		0	0			
100 -		1	0			



TAG SUMMARY  
- LOCATOR -

<u>TAG NO.</u>	<u>DATE</u>	<u>TAG NO.</u>	<u>DATE</u>
3731	EAST 5/26/81 PM	5070 (w/2655)	5/27
3732	5/27/81 AM	5071 <del>(w/2655)</del>	5/28
3733		5072 (w/2692)	
3734		5073 (w/3062)	
3735		(5074)	
3736		(5075)	
3737		(5076 (w/2577))	
3738		(5077)	
3739		5078	
3740		5079	
3741		(5080)	
3742		(5081)	
(5059)		5082	
(3743)		5083	
5060		(5084)	
5061, 5067		(5085)	
(5062)		(5086)	
(3744)		5087	
5063 (w/2794), 5137		(5088 (w/2606))	
(5064)		(5089)	
(3745)		(5090 (w/1292))	
(5065)		(3748 1293)	
(3746)		5091 (w/2653 2654)	
(5066)		(5092)	
(3747)		(5093)	
(5068)	5/27 PM	(3749)	
(5069)	5/28 AM	(5094 (w/2771))	
<del>5069</del>	↓	(5095)	
		3750	



6/30/81 5451 - 5458 (8 total)  
sent to Schulmeister

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6/1/81 5216 → 5221 TO JOHN ANDRE  
6/18 - USED TAG 5216 : 5217 - 5221 + 6/24

<u>TAG NO.</u>	<u>DATE</u>	<u>TAG NO.</u>	<u>DATE</u>
5096	5/27 - 5/28/81		
5097	5/28 - 5/29		
5098			
5099			
5100			
5126			
5127			
5128			
5129			
5130 (w/2770)			
(5131			
5132			
(5133			
5134			
5135			
5136			
5138 (w/830)			
(5139 (w/645)			
3701			
5140 (w/3059)			
5141			
(5142			
5143			
5144			
(5145 (w/2207)	↓ 5/30		
3702			
5146 (w/2696)			

(6/82 noted that  
I discontinued  
these records)



TAGS NOT LOCKING PROPERLY, THEREFORE REMOVED & RETAINED

3708

3705

5071

5217

? lost

3710

5234

3716

5245

3724

5259

3722

5297

3736

3776

3779

3780

3805

3818

3822



TAG SUMMARY  
- LOCATOR -

TAG NO.    DATE

TAG NO.

DATE

<u>TAG NO.</u>	<u>DATE</u>	<u>TAG NO.</u>	<u>DATE</u>
3732			
3733			
3734			
3735			
3736			
3737			
3738			
3739			
3740			
3741			
3742			
5067			
3743			
5068			
5069			
5070			
5071			
5072			
5073			
5074			
5075			
5076			
5077			
5078			
5079			
5080			
5081			
5082			
5083			
5084			
5085			
5086			
5087			
5088			
5089			
5090			
5091			
5092			
5093			
5094			
5095			
5096			
5097			
5098			
5099			
5100			



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33 RECOVERIES  
OF TAGGED  
TURTLES.TAG LOSS DATA  
- 1981 NESTING SEASON -  
FEMALES - INCONEL TAGS ONLY2 TAGS ORIGINALLY ATTACHED

<u>ELAPSED TIME</u>	<u>NO TAGS COST</u>	<u>1 TAG COST</u>	<u>TOTAL</u>	<u>% LOSS</u>
2 YEARS-	6	3	9	33.3%
3 YEARS-	6	7	13	53.8%
4 YEARS-	$\frac{4}{16}$	$\frac{4}{14}$	$\frac{8}{30}$	50% 46.7%

3 TAGS ORIGINALLY ATTACHED

	<u>NO TAGS COST</u>	<u>1 TAG COST</u>	<u>2 TAGS COST</u>	<u>TOTAL</u>
2 YEARS	1			1
3 YEARS	1			1
4 YEARS		1		1



6/81

(45 TC's)

RECOVERED TAG NOS. PRESENT	TC	number of tags	NO. TAGS PUT ON IN (year)	NO. YEARS
2603 <sup>LFL</sup> ; 2604 <sup>RFL</sup>	1	(2) 3yrs	2603LFL, 2604RFL (2)	JUNE 1978
2794RFL	2	(1) 3yrs	2794RFL (1)	JUNE 1978
3157RFL; 3178RFL	3	(2) 2yrs	3157RFL; 3178LFL (2)	JUNE 1979
2606RFL	11	(1) 3yrs	2605LFL; 2606RFL (2)	JUNE 1978
1292 <sup>RF</sup> ; 1293LFL	12	(2)	(?)	
2653LFL; 2654RFL	13	(2) 3yrs	2653LFL; 2654RFL (2)	JUNE 1978
2771LFL	14	(1) 3yrs	2771 (1)	JUNE 1978
830LFL	17	(1)	(?)	
645LFL	18	(1)	(?)	
5016LFL	20	(1) 2yrs	5016LFL; 5018RFL (2)	JUNE 1979
2694RFL + <sup>unreadable</sup> INTMR	21	(2) 3yrs	2677LFL; 2694RFL (2)	JUNE 1978
2207LFL	23	(1) 4yrs	2207LFL; 2208RFL (2)	JUNE 1977
2696LFL	25b	(1) 3yrs	2696LFL; 2697RFL (2)	JUNE 1978
3254 + <sup>not read</sup>	26	(2) 2yrs	3254, 3255 (2)	JUNE 1979
3140 <sup>LFL</sup> ; 3141	33	(2) 2yrs	3140, 3141 (2)	JUNE 1979



6/81

RECOVERED TAG NOS	TC		NO TAGS PUT ON in (year)	NO. years
1019 CFL ①	38	(?)		
2607 RFL ①	42	3 yrs	2607 RFL ①	JUNE 1978
2692 LFL ①	43	3 yrs	2692 LFL; 2693 RFL ②	JUNE 1978
3567, 3568 ②	44	(?)	+ 370 FW? JULY 74?	
2577 ①	46	3 yrs	2577 RFL ①	JUNE 1978
2271 CFL ①	50	4 yrs	2271 LFL; 2272 RFL ②	JULY 1977
2807 RFL ①	52	3 yrs	2807 RFL ①	JUNE 1978
2209 <sup>LFL</sup> , 2210 <sup>RFL</sup> ②	53	4 yrs	2209; 2210 ②	JUNE 1977
2770 RFL ①	55	3 yrs	2769 LFL, 2770 RFL ②	JUNE 1978
2244 LFL ①	56	4 yrs	2244 LFL ①	JUNE 1977
3182 LFL ①	58	2 yrs	3182 LFL; 3183 RFL ②	JUNE 1979
2766 RFL ①	61	3 yrs	2766 RFL ①	JUNE 1978
2235 <sup>3145</sup> , 2237 ②	62	2 yrs 2 yrs	[2235, 2237] 3145 ② ③	[JUNE 1977] JUNE 1979
2803 RFL ①	66	3 yrs	2803 RFL ①	JUNE 1978
2223 2224 ②	69	4 yrs	2223; 2224; 2225 <sup>Lf</sup> ③	JUNE 1977



RECOVERED TAG NOS	TC		NO. TAGS PUT ON IN (year)	ELAPSED NO. YEARS
2767LFL, 2768RFL (2)	72	3yrs	2767; 2768 (2)	JUNE 1978
2666LFL (1)	73	3yrs	2666LFL; 2667RFL (2)	JUNE 1978
2729 LFL (1)	78	3yrs	2729LFL; 2730RFL (2)	JUNE 1978
2270RFL, 3181LFL (2)	82	2yrs	2270RFL; 3181LFL (2)	JUNE 1979
2216LFL, 2217RFL (2)	85	4yrs	2216, 2217 (2)	JUNE 1977
2786RFL (1)	86	3yrs	2785LFL; 2786RFL (2)	JUNE 1978
2242 RFL (1)	88	4yrs	2241LFL; 2242RFL (2)	JUNE 1977
2740RFL, 2741LFL (2)	91	3yrs	2740, 2741 (2)	JUNE 1978
2253LFL, 2254RFL (2)	102	2yrs 2yrs	[2253, 2254] 3228 (3) (2)	[JUNE 1979 JUNE 1977]
2240 (1)	105	4yrs	2240, 3231 (2)	JUNE 1977
3232 RFL (1)	107	2yrs	3232 (1)	JUNE 1979
3213LFL (1)	110	2yrs	3213, 3214 (2)	JUNE 1979
2815, 2816 (2)	114	4yrs	2815, 2816 (2)	JUNE 1978
2238, 2239 (2)	116	4yrs	2238LFL; 2239RFL (2)	JUNE 1977



For this page - NOTE possibility that I was only able to see 1 tag - but others were present, 119

6/81 RECOVERED TAG NOS	(11 basters) BASKING FEMALES		NO. TAGS PUT ON in (year)	ELAPSED NO. YEARS
2584, 2585 (2)	EAST	3 yrs	2584 RFL; 2585 LFL (2)	JUNE 1978
3187 RFL (2)	W-S	2 yrs	3187 (1)	JUNE 1979
2817 RFL (2)	W-S	3 yrs	2817 (1)	JUNE 1978
2775 (1)	GIN	3 yrs	2775 RFL (1)	JUNE 1978
3008 LFL (1)	W-S	2 yrs	3008, 3206 (2)	JUNE 1979
3029 (1)	EAST	2 yrs	3029 (1)	May 1979
2588 RFL (1)	EAST	3 yrs	2588 Rweb; 2587 LFL (2)	JUNE 1978
2808 RFL (1)	EAST	3 yrs	2808 RFL (1)	JUNE 1978
945, 947 (2)	TRIG	6 yrs	945; 946; 947 (3)	FEBRUARY 1975
3017 RFL (1)	W-S	2 yrs	3017 (1)	May 1979
2705 (1)	W-S	3 yrs	2705 RFL (1)	JUNE 1978



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6/81 RECOVERED TAG NOS	(22 total) BASKING -MALES-	NO. TAGS PUT ON IN (YEAR)	ELAPSED NO. YEARS
3637 RFL (1)	EAST 1 yr	3637	6/80
3169 RFL 3063 CFL (2)	EAST 2 yrs	3169; 3063	6/79
2586 RFL (1)	EAST 3 yrs	2586 RFL	June 78
3058 RFL (1)	EAST 1 yr	3058; 3769	JUNE 1980
2655 RFL (1)	EAST 3 yrs	2655 RFL	6/78
3062 (1)	EAST 2 yrs	3062	May 1979
3153 LFL 3028 RFL (2)	EAST 2 yrs	3028; 3153	6/79
1230 RFL (1)	EAST 5 yrs	1230	4/76+
3053 CFL (1)	EAST 2 yrs	3053	May 1979
3059 (1)	EAST 2 yrs	3059	5/79
2810 CFL (1) <sup>applied 5260 RFL</sup>	EAST 3 yrs	2810 RFL; 2811 LFL	JUNE 1978
2668 RFL (1)	L.GIN 3 yrs	2668 RFL; 2669 LFL	JUNE 1978
2593 RFL 3131 LFL (2)	EAST 4 yrs	2593	JUNE 1977
3237 (1)	EAST 2 yrs	3236 RFL; 3237 LFL	JUNE 1979
2756 (1)	W-S 3 yrs	2756	6/78 #
3225 (1)	EAST 3 yrs	2688 RFL; 3225 LFL	JUNE 1979
3277 RFL 1205 LFL (2)	TRIG 2 yrs	1205; 3277	6/79
3065 RFL (1)	TRIG 2 yrs	3065	May 1979
3069 (1)	W-S 2 yrs	3069	5/79
960 (1)	W-S 6 yrs	959, 960	February 1975
2038 <sup>FEAR</sup> , 3588 RFL 3673 RFL (3)	EAST 1 yr	2038, 3588, 3673	6/80
2280 RFL (1)	EAST 4 yrs	2279 LFL 2280 RFL	7/77 3-11



## 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

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