

Book 1

1983

EXPEDITION 33

BALAZS
(808)395-6409

2689

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EXPEDITION 33 - TAG NOS. APPLIED:
 See book 2

COMPOSITION BOOK

9 3/4 IN. x 7 1/2 IN. (24.8 cm x 19 cm)

AVAILABLE AS:

- No. 09-9130 (1130) 60 SHEETS COLLEGE RULED & MARGIN
- No. 09-9132 (1130-P) 60 SHEETS COLLEGE RULED & MARGIN
- No. 09-9134 (1143-X) 100 SHEETS COLLEGE RULED & MARGIN
- No. 09-9132 (1130-P) NUMBERED PAGES

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TAGS - 7156 LFC; 7158 RFC

ENT.# 453

TC-1

22 AUG 2002

(89.9 x 72.2)
S-89.8

C-

DATE/TIME	AREA	ACTIVITY	REMARKS
6-4-83 2300h	8	N	By watching false dip
6-5 Sunday 2030	SEP	N	Just seemed to be crawling
6-6 Monday 2130h	8		in shallow water - head out
6-7 0030	SP	N	
6-7 0600	2	N-CAY	TAGS on tight - both expanded
6/21 TUESDAY 0730h	8		STANDERD bare on reef - but never ashore this past night.

WHALE SKATE - 1983

EAST - 1983 BOOK 1

6367, 6654	TC-1: 7156, 7158	TC-16: 7166, 7183, 7196
6368	TC-2: 5322, 5394	TC-17: 7184, 7202
6371, 6372	TC-3: 3581, 3583	TC-18: 3614, 3624
6373, 6374	TC-4: 7167, 7176	TC-19: 7186
6375	TC-5: 7168, 7169	TC-20: 7187, 7188
6651	TC-6: 7170, 7180	TC-21: 3440, 3441, 5230, 5214
3019, 5415	TC-7: 2219, 2218	TC-22: 7164, 7189
6657	TC-8: 5283, 5284 (3649)	TC-23: 7165, 7190
6659	TC-9: 3657, 7177	TC-24: 3630, 3631
6660, 6661	TC-10: 7172, 7173	TC-25: 7191, 7192
6663	TC-11: 2209, 2210, 5319	TC-26: 7185, 7193
	TC-12: 3627, 3628	TC-27: 3792, 5317, 5337
	TC-13: 3178, 5368	TC-28: 7199, 7200
	TC-14: 7178, 7179	
	TC-15: 3182, 3723, 5281	

2-TC

TAGS-

5322 RFL; 5394 LFL

(RECOVERY)

22 AUG 2002

7195 R 3rd Scale

NOS NO. 208

TRACKS - 117cm wide

S-95.9 x

C-

<u>D/T</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>	<u>Date/T</u>
6-5-83 030h <small>Sunday</small>	14	N	by pyramid	6-6-
6-5-1400h	SNCP	B	reported by Gail & Dan	6-7-
6-6 12:30-4am	SP	N	Crawling all over	6-9- <small>THURSDAY</small>
6-6 1800h	NEP - very red	B	but only 2 digs. PHOTOS OF TRACKS -	6/10
6-7 0330 <small>SUNDAY</small>	16	N-LAY	2nd Scale RFF (5)	6/11
6/19 1530 hours <small>Monday</small>	NEP	BASKING	Applied 7195 to TEST APPLICATORS	6/17
6/20 2330h <small>Monday</small>	17	N	coming up STARTED piece missing	6/19 00 6/19
TC95 6/18/81	<u>ORIGINAL DATA</u> Speed	N-Lay	S-95.5	6/19 20 6/20
5377 RFL 2nd SCALE; 5394 LFL; 5322 RFL; 3811 RFL 2nd SCALE				

TC8
6/25/81
A17

TAGS-
 3581 RFZ
 3583 LFL

(Recovery)

TC - 3

22 AUG 2002

NIDS NO. 209

S - 88.5
 (88.5 notch)

C6

Date/Time	Area	Activity	Remarks
6-6-83 2300h	15	N	fresh deep cut across left hind flipper - shorts
6-7 0600	SP		possible LA
6-9 Thursday 1730h	SEP	BASK	
6/10 Friday 1730h	SEP	BASK	
6/11 Sat 1730	SEP	BASK	
6/17 Friday 1430	SEP	BASK	
6/19 SUNDAY 0015 hours	SP	N	
6/19 Sunday 1530	SP	BASK	TC number is faint
6/19 Sun 2230h - 6/20 0030	7-6	N	measured
6/20 Mon 0430 - Team	SP	N-LAY	Resprayed "3" dorsal too

TC8 ORIGINAL DATA
 6/25/80 3581, 3583 S-90.1!
 A17

4 - TC

22 AUG 2002

TAGS - 7167 CFC
7176 RFL

ENT #
463

S- 89.6 x 70.1 C-

<u>DATE/TIME</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>
6-6-83 2330h	6	N	
6/9 Thurs. 2200h	7	N	
6/10 Friday 0100 0200	7	N	digging low the water

TAGS - 7168 LFL
7169 RFL

TC - 5

22 AUG 2002

ENT. NO. 402

S - 91.3 x 73.6 C-
(to notch)

<u>DATE/TIME</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>
6-6-83 2330h 6-7 003h	7	N-LAY	
6/20/83 Mon. 2330h	2	N	crawling up

6-TC

TAGS-

7170 LFL

7180 RFL

22 AUG 2002

S-94.0

93.9
(93.2 notch)

C-

DATES

AREA

Activity

Remarks

DATES/T

6-7-85 0600h - 1

6-7 0600 3

6-8 Thurs 2200h 6

6/10 Friday 1330h 5

6/10 2200h 5P

6/11 2200h SATURDAY 8

6/12 PM SEP

6/15 wed 2000 5

6/15 wed 2200h 8

6/20 Monday 1530h SEP

N

Stuck of the exposed reef

N

offshore - in a lagoon

low tide. We tried to spray

seal spaced into through the water.

10w to H₂O

offshore

Crawled around tent - ran into it twice, seems to be having trouble digging.

Took photographs of sleeping underwater inside reef

seen through binoculars - up for a shot at sunset.

N-CAY STAKED coarse substrate ocean side of large spring distiller. TC very faint

6/7/02

6/8/02

6/9/02

6/10/02

6/11/02

6/11 SAT

6/12/02

Rec. 6/18/86 EAST-N only 7180

NO. 85
(ENTERED)

(RECOVERY)

TC-7

TAGS - 2219 LFL

22 AUG 2002

+
2218

S-93.6 x 74.2

C-

DATE/TIME	AREA	ACTIVITY	REMARKS
6/7/83 2345h TUES	6	N	LFL 1/2 off healed
6/8 wed 0600	2	shore	struck on the reef very low tide NO. 85 shows + 2218
6/9 0730 Thursday	14 inland	N	several incomplete digs; hind limbs are part amputated but healed; trouble digging?
6/10 01730	SEP	BASK	
6/11 sat 0200h - 0600h	8	N - Lay	
6/11 SAT 1400h	SEP	BASK	also seen there at 1730h
6/12 SUN. 0500h	7	N - Lay	

8-TC

No. 132
ENTERED

TAGS- 5283L/

5284L/

22 AUG 2002

2807

(RECOVERY)

S-

C-

DATE/TIME	Area	Activity	Remarks
6/8/83 Wednesday	7	N	swallow on had to scrape it off to redd.
6/11 SAT 1400h 0930	SEP	BASK	also seen there at 1730h
6/14 TUES.	8	OFFSHORE	- on shallow reef
6/14 1830h.	SEP	BASK	

Dec. 4/18/82 EAST - N only 9180

TAGS- 3657 RFL 3649

(RECOVERY)

9

22 AUG 2002

7177 LFL

NDS NO. 210

S- 93.6 x 68.2 C-

DATE/TIME	AREA	ACTIVITY	REMARKS
6/8/83 Wednesday 0330-0630	SP	N	3657 only tag present
6/9 Thurs. 0200	SP	N	resprayed
6/10 Friday 0630	SP	N-LAY	
6/10 1730	SEP	BASK	
6/20 MON 1530	SEP	BASKING	

TC4 ORIGINAL DATA
 6/25/80 AI 3649 LFL; 3657 RFL S-93.3

10-TC ✓

22 AUG 2002

TAGS - 7172 ✓✓
7173 ✓✓

S - 95.2 x 73.4 C -

DATE/TIME	AREA	Activity	Remarks
6/8/83 Wed. 2230h.	8 ✓	N-CAY ✓	by Machinery -staked (P.P.C)

Rec. 6/12/86 EAST-N ✓

No. 71
(ENTREED)

(RECOVERY)

TC-11

22 AUG 2002

TAGS- 5319 ✓

2209 ✓

2210 ✓

+ 3846 ✓

3007 ✓

S-90.5 ✓

(90.5 to notch)

C- -2

DATE / TIME	AREA	ACTIVITY	REMARKS
6/9 ✓ 10100 ✓ Thursday 0430 ✓	4 ✓	N-LAY ✓	
6/9 ✓ 1730+ ✓ 0730 ✓	SEP ✓	BASK ✓	several photos - dips. Roll 2
6/10 ✓ 1300 ✓	SEP ✓	offshore ✓	
6/14 ✓ TUES. ✓ 1830h ✓	SEP ✓	BASK ✓	no no. faded bad. coming up
6/21 ✓ TUES ✓ 0145 ✓	4 ✓	N ✓	

12-TC / TAGS - (RECOVERY)

22 AUG 2002

3627 LFL (number down)

3628 RFL (number up)

S - 92.0 x 71.2 C-

NIDS NO. 211

initially
Recovered basking
NEP 6/4/83

DATE/TIME	AREA	ACTIVITY	REMARKS	DATE/TIME
6/10 Friday 0200h	6	N-LAY	STARED Photos taken	6/10/83
6/10	NEP	BASK =	Roll 2 - flash red 5.6 (and less)	6/11
			is this the Jim Watt Kawai Porpo recovery of 3/83?	6/12
			<u>YES</u>	6/13
				6/19
				6/20

TC30 ORIGINAL DATA

6/20/80 EAST IS. - N 5-91.5 C-97.8

3/27/83 Sheraton Caves, Poipu

TAGS ^{NO. 143} ~~(ENTERED)~~ 5368 (scale) (RECOVERY)
3178 (LFC)
 # 7181 (RFL) (new)

AC - 13
 22 AUG 2002

S - 102.6 x 78.1 x 0.25 C - 2

DATE/TIME	AREA	Activity	REMARKS
6/10/83 ^{2200h} Friday	12 ^{can across} from A5	N	looks Big
6/11 ^{SAT} 0600h	6	N - lay?	NO. 143
6/12 Sun.	6-7	N	
6/13 ^{0100h}	6	N-LAY (in chamber)	STAKED
6/19 ^{SUN} 1530h	NEP	BASK	
6/20 ^{Monday} 1530h	J+1800h NEP	BASK	

14-TC ✓

TAGS - ~~7178~~LFL
~~7179~~RFL

22 AUG 2002

S - 85.0 x 66.2 C-

DATE/TIME	AREA	Activity	Remarks	DATE/TIME
6/10/83 2300h Friday	8 ✓	N-LAY	STAKED by machine	6/11/83
6/11/SAT 0200h	8 ✓	still covering - even at 0600 - or at least laying there in pit.	PAUSED FOR A LONG TIME before covering egg clutch. NEW Recruit?	6/11/83

ENT. NO. 362
1987 east M Majorit

NO. 104
(ENTERED)
TAGS-

3182 LFL
+
3723 RFL
+
5281 scale

(RECOVERY)

TC - 15

22 AUG 2002

S-92.2

C-

DATE/TIME	AREA	Activity	Remarks.
6/11/2200h	I inland	N	Chun's Reef
6/12 SUN 0030h	17	N	turtle!
6/12	0500h	N-Lay	NO. 104 Easily disturbed

My light apparently
scared her out
of digging chamber.

16-TC

22 AUG 2002

TAGS -

7166 LFL

7183 RFL

7196 R 3rd SCALE

ENT. NO. 315

S - 89.5 x 70.6

C -

ORIGINALLY tagged night basking 6/6/83 East.

DATE/TIME

AREA

Activity

REMARKS

6/13 ~~AM~~ MONDAY 0930
6/14 ~~TUES~~ 1330h
6/17 ~~FRIDAY~~
6/19 ~~SUNDAY~~ 1530h

~~16~~
~~SEP~~
~~SEP~~
~~SEP~~

~~N-Cay~~
~~BASK~~
~~BASK~~
~~BASK~~
TAGGED 7196 TO TEST Applicators

~~STARTED~~ up 0700h by David Gould tent - 2 pits. covering at 8:30am bright sun returned when tagged.

DATE/TIME

6/13/83
6/14 22
6/15 00
6/15 2
6/16 5
6/16 22

Ent. No. 362

1987 east night

TAGS - ~~7184PL~~ + ~~7202~~
 SRL (1983EAST)

TC - 17

22 AUG 2002

ENT. NO. 401

S-93.6
 (93.6 notch)

DATE/TIME	AREA	Activity	REMARKS
6/13/83 ^{MON} 2130 hours	SP	N	NOTE sprayed yet - wet & slimy carapace; new arrival, or doesn't bask (?)
6/14 ^{TUES.} 2200h	8	N low to water	
6/15 ^{wed.} 0015h - 0800	6-7	N-LAY ^{NO}	
6/15 ^{wed.} 2200h	7	N	Digging - hoof down; lots of pits
6/16 ^{THURS.} 0130h - 0800	7	N	Still digging!
6/16 ^{wed.} 2200h	9	N-LAY ^{STAKED IN}	coarse rubble; but good chamber at ~ 3am
6/17 0300+			

18 - TC

22 AUG 2002

18139

TAGS - 3624 rpl
3610 LFL

(92.7 TO NOTCH)

S - 92.7

(Recovery)

NIDS NO. 212

DATE/TIME	AREA	Activity	Remarks	DATE/TIME
6/14 TUES 2200h	13	N	PIPE STAKED By cement pads	6/14
6/15 wed. 0015h - 0500h	13	N-CAY	at 0500 trying to find the ocean	6/16
6/17 FRIDAY 1330h	NEP	BASKING	photos Roll 3 with 2 ♀s & seal pup	6/16
6/19 SUN 1530h	NEP	BASK		6/17
6/20 MON 1230h - 1530h + 1800h	NEP	BASK		6/17
<u>ORIGINAL DATA</u>				
TC 29				
6/20/80	3610; 3624	S-92.6		
	A14			

6/14
6/16
6/16
6/17
6/17
6/18
6/19
6/20

TAGS - 7186 RFL

~~TC~~ - 19
23 AUG 2002

S-

Q-

ts	DATE/TIME	Area	Activity	Remarks
	6/14 TUES 2200h	SP	N	
ring	6/16 THURS. 1000h	SP	N	MUST HAVE come up > 7am blast strong wind
3	6/16 THURS. 1230 pm	SP/17	Bash	near BW MOORING
up	6/17 FRIDAY noon	SP	Basking	
	6/17 Friday 1900h	SP	up-down	Rain shower
	6/18 SAT 1700h	SP	Basking	at 1900h up a short distance near nest (?)
	6/19 SUNDAY 1530h	SP	Bash	near TC 3
	6/20 MONDAY noon	SP erd	Basking	then back in the water and up to SP beach top and back ; Nesting attempt ;

20 - TC ✓

TAG - 7187 2nd ✓
7188 RFL ✓

23 AUG 2002

S (90.2 to notch) ✓
-90.7 ✓

C -

DATE/TIME ✓	AREA ✓	Activity ✓	wood (STAND) Remarks	DATE/TIME
6/15 wed 0015h ✓	6 ✓	N-LAY ✓	Small TME dorsal fl of each side. R ventral too.	6/15 6/16

(RECOVERY)
(ENTERED)

TC - 21

23 AUG 2002

TAGS - 3140 LFL
3141 RFL
5214 R scale
5230 L scale

NO. 138

S - 91.8
(91.8)

DATE/TIME	AREA	Activity	REMARKS
6/15 ^{wed} 2200h	4	N	L Hind 1/2 miss - healed
6/16 ^{Thurs} 0130h	12	N-LAY	R Hind → tag scale hole worn small pieces missing

22-TC

23 AUG 2002

TAGS - 7164 LPL
7189 RFL

S-97.3
(96.5 notch)

C-

DATE/TIME	AREA	ACTIVITY	REMARKS	DATE/TIME
6/16 Thursday 2200h	8	N-LAY	STARTED PIPE by Bronze machinery	6/16/83
6/17 Friday 1330h - 1600h +	SEP	BASKING	6/5/83 tagged Gas night baster & likely cop. INTERVAL = 11 days	6/18/83 S 6/19 S 6/20 1230

Rec 7

TAGS - 7165 RFL
7190 LFL 5285

TC - 23

23 AUG 2002

S - 93.2
(93.0 notch)

C -

DATE/TIME	AREA	ACTIVITY	REMARKS
6/16/83 Thursday 2230	5	N-LAY	STAKED Small-med.
6/18/83 Sat ~1800	SEP	BASK	TIME Right neck & Right Shoulder.
6/19 Sunday 1530	SEP	BASK	REF
6/20 Monday 1230 - 1530 1800	SEP	BASK	

Rec 7/7/86 MM EAST

24-TC

(Recovery)

23 AUG 2002

TAGS- 3630 RFL
3631 RFL

S-

C- ^{NLOS} NO. 213

Same

DATE/TIME	AREA	ACTIVITY	REMARKS	DATE/TIME
6/17/83 Friday 12:00h	8	N	NOT watched	6/17/83
6/18 SAT 02:00h	7-8	N	STILL DIGGING	6/18/83
6/18 SAT 12:00h	6	N		6/19/04
6/19 SUN 2:30h	7	N	TRIED TO GET carapace measurement, but too frightened in daylight?	
6/21 Wednesday 04:00h	8	N-Lay ^{STAKED} (pipe)	Good nest - TC 24 Lay	

TC 33
6/21/80

ORIGINAL DATA

A 3630; 3631 S-88.5

TAGS - 7191 RFL

7192 RFL

S - 92.4
(92.4 notch)

C -

Te - 25
WHITE
DORSAL
STRIPES

23 AUG 2002

is
Fed.

but
ht?
lay

DATE/TIME	Area	Activity	REMARKS
6/17/83 Friday 2200 hours	5	N	DIGGING very low to the water -
6/18/83 SAT. 2200h	SP	N painted white STRIPES	NOT sprayed with dorsal barnacles
6/19/83 0400h	7	N-LAN	likely ♀ seen copulating A12 at 1800h 6/5/83 INTERVAL = 12 DAYS

26-TC

23 AUG 2002

TAGS-7185 LFL
7193 RFL

S-87.4
(87.0)

C-

DATE/TIME	AREA	ACTIVITY	REMARKS
6/17/83 2200h FRIDAY	I	N	6/14 Tagged basking at the end of SPTB
6/18 0230h SAT. Hours	I	N-LAY	<u>STARRD</u>

DATE/TIME
6/20

6/7/8
TC6

TAGS - 5337 ✓

(RECOVERY)

TC - 27

5317 ✓ + 1 (3792 LFL) ✓

23 AUG 2002

S - 90.7 ✓
(90.7 to notch)

C -

NIBS ^{JUNE 81} NO. 214

DATE/TIME	AREA	ACTIVITY	REMARKS
6/20 ^{Monday} 2100h ✓	4 ✓	N ✓	2 barnacles + white coralline. Looks thick.

RECOVERY DATA

6/7/81 ✓
TC68 ✓

3 ✓

Nest-LAY ✓

S - 90.8

END OF 17 NIGHTS MONITORING ON EAST IS.

28 - TC ✓

23 AUG 2002

TAGS - 7199 LFL ✓
7200 RFL ✓

S - 89.1 ✓
(89.1 notch) ✓

C -

DATE/TIME	AREA	ACTIVITY	REMARKS	DATE/TIME
6/21/83 TUES. 0230K ✓	SP ✓	N-LAY ✓	stated 2nd scale left partly missing; 1st has a knot joint, scale LFL possibly small ones too.	

TAGS-

TC - 29

S-

C-

DATE/TIME

AREA

ACTIVITY

REMARKS

By
ad

No. TAGS	MALES		FEMALES	
	NEW	RECOVERY	BASKING NEW REC.	NESTING NEW REC.
1				
2				
3				
4				

10/11/10
23

RECOVERY
11

NEW
12

ALL MALES -
ALL FEMALES -

2-22 JUNE
1983

Summary of Numbers Tagged

		(BASKING)	NEW	RECOVERY	TAG ENCOUNTERS TOTAL
TOTAL	23	TRIG			
	49	MALE -	0	1	1
	72	FEMALE -	1	1	2
		WHALE-SKATE			
		MALE	4	3	7
RECOVERY	11	FEMALE	1	3	4
	18	LITTLE GIN			
	29	MALE	0	0	0
		FEMALE	0	0	0
		EAST			
		MALE	8	6	14
		FEMALE	1	0	1
		GIN			
		MALE	0	0	0
		FEMALE	0	0	0
		TERN			
		MALE	0	1	1
		FEMALE	0	0	0
		(NESTING)			
		EAST (TC's)	15	13	28
		W-S	13	1	14
		TRIG	0	0	0
		TOTALS -	43	29	72
		ALL MALES -			
		ALL FEMALES -			
		TOTAL -			
		ALL EAST FEMALES SEEN -	16	13	29

MONK SEAL CENSUS

<u>DATES</u>	<u>TIMES</u>	<u>PUP</u>	<u>LYP</u> ^{of SAs}	<u>ADULT</u>	<u>MULTIPARS</u> ^{preg.}	<u>SA</u>	<u>SWPLOC</u>	<u>TOTAL</u>
6-5-83 SUN.	1800h	23	2	17	-	3	14	4

6-19-83
SUN Sue reports a total of 63 seals on W-5

TOTAL NO.

43

MONK SEAL TAG RECOVERIES

<u>DATE</u>	<u>LOCATION</u>	<u>DATA</u>
6/6/83 MONDAY	A:7-8 EAST	Fresh back wound - lots of green flies
6/18 ^{0230 hours} SAT	A:8 ^{By Bronze} EAST	TAG A954 w/ ^{B/K} pup. photo in Roll 3 with head laying on turtle shell. Seal has a back injury.
6/20 MON.	W-S	TAG A796 with a pup. Reported by Sve P. L.

SUMMARY OF 1983 CARAPACE MEASUREMENTS

EAST ISLAND

SRL WHALE-SKATE IS.

No.	TC	STRAIGHT LENGTH		TAG No.	TC	STRAIGHT LENGTH	
		"NOTCH"	(TOTAL)			"NOTCH"	LENGTH
1.	1		89.8		6654, 6367		86.5
2.	2		95.9	TAG RECOVERY	6368	98.8	98.8
3.	5		91.3		6371; 6372		88.2
4.	6	93.2	94.0		6373; 6374		97.3
5.	4		89.6		6375		88.1
6.	7		93.6	REC.	6651		90.9
7.	9		93.6	REC.	5415; 3019 ⁷		94.4 ^{REC}
8.	10		95.2		6657	("lopsided")	89.2
9.	11	90.5	90.5	REC.	6659	("lopsided")	90.2
10.	12		92.0	REC.	6660; 6661	92.1	92.4
11.	13		102.6	REC.	6663	94.5	94.7
12.	14		85.0				
13.	15		92.2	REC.			<u>$\bar{x} = 91.88$</u>
14.	16		89.5				
15.	18	92.7	92.7	REC.			
16.	20	90.2	90.7				
17.	21	91.8	91.8	REC.			
18.	17	93.6	93.6				
19.	22	96.5	97.3				
20.	23	93.0	93.2				
21.	25	92.4	92.4				
22.	26	87.0	87.4				
23.	27	90.7	90.7	REC.			
24.	28	89.1	89.1				
25.	3	88.5	88.5	REC.			

$N = 13$ NOTCH $\bar{x} = 91.48$

$\bar{x} = 92.09$

TOTAL $\bar{x} = 91.68$

REC $\bar{x} = 93.1$ $N = 11$

NEW $\bar{x} = 91.3$ $N = 14$

"BAD" TAGS :

(RETAINED, OR AS INDICATED) -

June 83

7171

6366 > returned from Sue

6369

TUMORS OBSERVED

EAST IS.

TC's (females)

OBSERVATIONS

1717

2222

2222

2222

- TAG LOSS DATA -
 1982 NESTING SEASON
 TC FEMALES - INCONEL TAGS ONLY

2 TAGS ORIGINALLY ATTACHED

<u>ELAPSED TIME</u>	<u>NO TAGS LOST</u>	<u>1 TAG LOST</u>	<u>TOTAL</u>	<u>% LOSS</u>
2 YEARS	" 2			
3 YEARS	4	' 1		
4 YEARS	' 1	' 1		
5 YEARS				
6 YEARS	" 2			

3 TAGS ORIGINALLY ATTACHED

2 YEARS

" 2

3 YEARS

4 YEARS

NO LOSS

1 LOST

2 LOST

TOTAL

1983 TAG LOSS ON
RECOVERED TURTLES6/83
RECOVEREDTAG NOS.
PRESENT

TC % LOSS NO. TAGS PUT ON IN YEAR: MULTIPLE RECOVERY? ELAPSED NO. YEARS

RECOVERED TAG NOS. PRESENT

5322 RFL
5394 LFL (2) 2 2 - 6/81 - 2

3581; 3583 (2) 3 2 - 6/80 - 3

2219 LFL + 2218 (2) 7 2 - 7/77 NO. 85 YES 6/20 6

5283L; 5284L (2) 8 (1-loss 2807 6/78) 2 - 6/81 NO. 132 YES 6/81 * 2

3657 RFL - (1) 9 2 - 6/80 - 3

5319; 2209; (2) 11 2 - 6/77 NO. 71 YES 6/81 6

3627 LFL; 3628 RFL (2) 12 2 - 6/80 - 3

5368 LFL; 3178 LFL (1) 13 3157 3178 2 - 6/79 NO. 143 YES 6/79 * 4

3182 LFL + 2 chvn's real 3723, 5281 (3) 15 3 - 6/81 NO. 104 YES 2

3610 RFL; 3624 LFL (2) 18 2 - 6/80 - 3

3140; 3141; 5214; 5230 (2) 21 3140 3141 2 - 6/79 NO. 138 YES 4

3630; 3631 - (2) 24 2 - 6/80 - 3

5337; 5331 + 1 (3) 27 3 - 6/81 - 2

13 TOTAL

6 out of 13 = 46.29%

RECOVERED
TAG NOS.
PRESENT

TC

NO. TAGS PUT
ON IN (YERE)

ELAPSED
NO. YEARS

METRIC SYSTEM WITH U.S. EQUIVALENTS

LIBRARY OF
GEORGE H. BALAZS

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 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

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 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	(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

G. BALLEES
BOOK 1

FRENCH MOUNTAINS SHORALS
2-22 JUNE
1983