

BOOK 2

FFS
1978

5-21 JUNE TC 45-69

(808) 395-6409 BALAZS

5-21 JUNE 1978 (Exped. 21) FFS Book 2

TC NESTERS #45-69 - - - - - Pages 3-26

Narrative continuation
from Book 1 . . . page 50
page 120

AREA UTILIZATION page 32

BASKING INCIDENCE page 33

Summary of 1978 Carapace Measurements . . . page

Flap knots or scars page 42

Summary of Growth Measurements for Tc Recoveries . . . page

FFS/EAST ISLAND RECOVERY in ALAWAI Boat harbor
3 AUGUST 81 page 14

G. H. BALAZS



COMPOSITION BOOK • 9 1/2 IN. x 7 1/2 IN.

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

No. 1130-P (09-9132) NUMBERED PAGES, No. 1143-X (09-9134) SECTION SEWED
Made in U. S. A.

VERNON ROYAL, INC. Elizabeth, N. J. 07208

FFS
P.O. Box 449
Honolulu, HI 96809

BREEDING & NESTING SEASON (April-Sept) TAGGING SUMMARIES
[FEMALES]

<u>YEAR</u>	<u>EXPEDITION NOS.</u>	<u>EAST IS.</u>	<u>ALL ISLANDS</u>
1973	1	37	37
1974	3, 4, 5, 6	83	91
1975	8, 9, 10, 11	104	136
1976	14, 15, 16	29	51
1977	18	38	38
1978	21	64	91

TC-45 //

10 JUL 2002

TAG NOS-

~~2725LFL~~
~~2726RFL~~

3

S-35 $\frac{1}{2}$ x 28 $\frac{1}{4}$
90.2 // 71.8 //

C-37 $\frac{1}{4}$ x 36 $\frac{1}{4}$
94.6 // - 92.1 //

Date/Time

AREA

Activity

REMARKS

6/16 // Friday
0030 //

4 //

// N-LAY

4 10 JUL 2002

TC-46 //

Tag NOS - 279/LFL

279/RF4

NO. 163

S-36 1/2 x 27 5/8

C-38 1/2 x 35

92.7 // 70.2 //

97.8 // 80.9 //

Date/Time	AREA	Activity	Remarks	Date/Time
6/16 FPI 0030h	7 //	N //		6/16/7803
6/19 MON 0130 0300	SPOINT	N-LAY		

TC52 // 6/25/82 EAST-N //

6/20/78

TC-47

TAG RECOVERY
1226^{RFL} HMB
942^{RFL} HMB (OFF)

4/13/76
Trig-Bask
No measurements

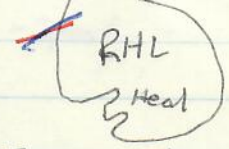
TAG NOS - 125
2731 LFL
2732 RFL
JUL 2002

S-34 x 26 1/2
80.4 - 67.3

C-35 1/4 x 34 1/4
89.5 - 87.0

see p91 - "Recoveries" for earlier observations

Date/Time	AREA	Activity	REMARKS
6/16/78 ^{FRI} 0330h	3	N-LAY	Light (injury scar?) spot ON FIRST CENTRAL



Tag 1226 looks good -
lock Anterior -
Tag 942 shows only
MILD corrosion.

6/20/78^{Tues} 1700h

TRIG

BASK

6

10 JUL 2002

TC-48 ✓

TAG RECOVERY
RF
1047 HMBTAG NOS -
2729 LFL
2730 RFLS-40 x 29 1/4
101.4 // 74.3 //C-42 1/4 x 38 1/2
107.3 // 97.8 //

Date/Time

AREA

Activity

REMARKS

6/16 Friday
0230 ✓

S POINT // -

N-LAY

TMR Left Dorsal
HIND LIMB; RHL part
missing but healed.
No corrosion apparent on
tag 1047 - lock ANTERIOR -
some pink coralline alga
on tag

Date/Time

6/16 040

6/14-6/21/75

N (SPLAY)

TC 62

S-39 5/8
100.6 //29 3/4
75.6 //C-42
106.7 //39
99.1 //

TC-49

TAG NOS-

7

S-

C-

<u>Date/Time</u>	<u>AREA</u>	<u>Activity</u>	<u>Remarks</u>
6/16 0400	5	N	LHL 1/3 miss-heated -spooky-

8

TC-50 ✓

TAG NOS-

2767 LFL ✓

2768 RFL ✓

S- 35¹/₄ x 28

89.5 ✓

71.1 ✓

C- 37 x 35³/₄

94.0 ✓

90.8 ✓

DATE/TIME	AREA	Activity	REMARKS	DATE
6/16 1600hr ✓	6 ✓	N ✓	RHL ³ / ₄ miss and deformed - healed. Big Barnacle on 2 nd lateral left.	6/16 ✓ 6/16 ✓
6/16 1800h	SEP	B	No Body Pit ✓	
6/18 SUN 0400 ✓	6 ✓	N-LAY ✓		
6/18 1830h	SEP	B		

6/8/81

East-N ✓

NO. 123

TC-52

10 JUL 2002

TAG NOS -
2738 RFL - 9
2739 LFL

S-36 1/4 x 27
92.1 - 68.4

C-38 x 36 1/2
96.5 - 92.7

NIGHT

DATE/TIME	AREA	Activity	REMARKS
6/16 0030 ⁰¹¹⁵	SNEP	N	LARGE BARN cluster ON left side
6/16 2330h	5 point	N-Lay	

10

10 JUL 2002

TC-53 ✓

TAG NOS - ✓

2785 LFL ✓

2786 RFL ✓

S- $36\frac{3}{4} \times 28$

93.3 ✓

71.1 ✓

C- $38\frac{1}{2} \times 36\frac{1}{2}$

97.8 ✓

92.7 ✓

DATE/TIME	AREA	Activity	REMARKS	DATE/TIME
6/17 0100 ✓	7 ✓	N ✓		6/17 23
" 0330 ✓	3 ✓	N ✓	wandering	
6/18 SUN 1830h ✓	8 ✓	N? ✓	crawled to beach top and back down	
6/18 SUN 2330h ✓	6 ✓	N-LAY ✓	shallow body pit	

6/81 East-N no. 127

TC-54

TAG NOS-

11

S-

C-

DATE/TIME

AREA

Activity

REMARKS

6/17 2300h

Spout

N

Left hind limb 1/2 missing

12

TC-55 ✓

TAG NOS -

2757 ✓ RFL ✓

10 JUL 2002

S - 35'½ x 27'½
90.2 ✓ 69.9 ✓C - 37'½ x 35
95.3 ✓ 88.9 ✓DATE/TIME
6/17 ✓ Saturday
2300h ✓AREA
I ✓Activity
N-LayREMARKS
✓ medium size TMR on
the left shoulder -
small TMR on left flapDate/TIME
6/18 ✓

TC-56 ✓

10 JUL 2002 TAG NOS-

13

~~5300~~

~~2766 RFL~~

S - 36 5/8 x 26 1/4

C - 38 1/2 x 35

~~93.0~~

~~66.7~~

~~97.8~~

~~98.9~~

Date/Time

AREA ✓

Activity

REMARKS

~~6/18~~ ^{SUN} 0015h

2 ✓

~~N-LAY~~

6/81

East-N

NO. 129

3 AUGUST 1981

Massive tunnel on outside of footer margins -
 Photos taken of tunnel holding together.
 Straight concrete length = 11cm.
 Hole through margins.
 Several photos taken.
 Tunneling in footer margins.

1.8cm increase in 37.5mm
 in 0.48 cm/month

14

10 JUL 2002

TC-57 //

(2762 Lost
IN SAND)

TAG NOS -

2761 LFL

2763 RFL

S - $35\frac{1}{8} \times 26\frac{1}{2}$
89.2 cm 67.3C - $36\frac{1}{2} \times 34$
92.7 86.4

Date/Time	AREA	Activity	REMARKS	Date/Time
6/18 ^{SUN} 0030h 78	16	N-LAY	LARGE BARNACLES ON 1st Central and 1st Lateral Right Shell appears tapered posteriorly.	6/18
6/18 1830h	NEP	B		

3 years / 1 month / 15 days

3 AUGUST 1981 Sleeping in shallow water in Alalua
small boat harbor - restrained - tag 2763 RFL
removed - Tags 5515 RFL; 5516 LFL applied
new -

ENTERED
NO. 150Straight carapace length \approx 91 cm.

Photos taken of kam holding turtle.

Massive tumor ~~on~~ ^{underside} of posterior margins -
hole through margins.

Several photos taken.

Probably feeds on jellyfish that at
times are abundant in harbor

1.8 cm increase in 37.5 mon

∴ .048 cm/month

TC-58

10 JUL 2002

TAG NOS- 15

~~2764~~ LFL

~~2765~~ RFL

ENT. # 246

S-37 5/8 x 29 5/8

95.6

75.2

C-40 x 37 1/4

101.6

94.6

Date/Time

AREA

Activity

REMARKS

6/18 SUN 0100

17

N-LAY

Gold color

~~RFL~~  knott

16

TC-59

10 JUL 2002

TAG NOS. -

2769 LFL

2770 RFL

S = $35\frac{3}{4}$ x $27\frac{1}{8}$

90.8

WB.9

C = $37\frac{1}{4}$ x $35\frac{1}{2}$

94.6

90.2

DATE/Time	AREA	Activity	REMARKS	Date/Time
6/18/0408	4	N-LAY	RH Limb completely missing - can't even see stump. With limb this short, there is apparently no danger of causing an "egg on left" (scrambled eggs)	6/18/06

6/81 East-N no. 124

Sleeping in shallow water in shallow
shell boat marker - estimated -
removed - tags 551500, 551610

straight carapace length = 9.0 cm
Photo taken of this individual
Measure removed outside of posterior margin of
lob through margin.
Several photos taken
Probably feeds on jelly fish that it
lives on (Dobsonid in/charter)

18cm increase in 37.5 mm
i.e. 0.48 cm/month

TC-60

10 JUL 2002

TAG NOS -

17

2771

NIGHT 9

S-38 x 28³/₄
- 96.5 - 73.0

C-39³/₄ x 37¹/₂
101.0 - 95.3

Date/Time

AREA

Activity

REMARKS

6/18 SUNDAY
0630

12

N LAY

TIP OF LFL MISSING -
LARGE HEALED CUT IN
SHELL JUST ABOVE RHL.
NO DAMAGE TO LIMB.

6/81 EAST-N NO. 128



18

10 JUL 2002

TC-61 ✓

TAG NOS-

2784 RFL ✓

S-

C-

Date/Time
6/18 ^{SUN} 2300h ✓

AREA
Spoint ✓

Activity
N-Lay(?)

Remarks

DATE/
6/18 2

TC-62

TAG NOS-

19

S-

C-

<u>DATE/TIME</u>	<u>AREA</u>	<u>Activity</u>	<u>REMARKS</u>
6/18 ^{SUN} 1300h	Spoint	N	Returned to water quickly when sprayed

20

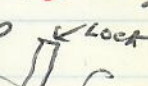
TC-63 // TAG RECOVERY
 958 RFL Honolulu
 (left on turtle)

TAG NOS. 7
 2787 LFL
 2788 left webbing

S - $38\frac{5}{8}$ x $30\frac{1}{2}$
 98.1 // 77.9 //

C - 40 x $37\frac{3}{4}$
 101.6 // 95.9 //

see page 91 (other book) Recoveries for earlier observation

Date/Time	AREA	Activity	REMARKS	Date/Time
6/19/78 MON 0030h	5	N-LAY	TAG 958 RFL look good - no apparent corrosion - lock anterior. - full length of tag on flap 	6/19/78



note - that this turtle was
 previously recovered as a
 basker at SEP on 6/11/78
 (see page 91 "RECOVERIES" other book.)

6/19/1200h // NEP // B

Recovery data 5/71 East Basker by Knidler

S - 38.2 x 29.8
 97.0 75.7

C - 42 x 39
 106.7 99.1

TC-64

TAG NOS-
2789 RFL
2790 LFL

21

11 JUL 2002

S-39 x 28 3/4

99.1 73.0

C-4 1/2 x 38 1/4

105.4 97.2

Date/Time	AREA	Activity	REMARKS
6/19/78 ^{MON} 0230	Spoint	N-LAY	Slight deform indentation on left side of carapace where 6 th marginal measurement is taken. White scum on shell.
			LFL miss

22

TC - 65 (never sprayed)

TAG NOS -

N154210

S-

C-

Date/time
6/19 ^{MON} 0330h - 0430

AREA
7

Activity
N

REMARKS
digging into bank -
indentation/deformity
on one side of carapace

DATE/TIME
6/19 ^M 230

TC-66 (Never sprayed)

TAG NOS-

S-

C-

DATE/TIME
6/19 MON 2300h

AREA
7

Activity
N

REMARKS
with - left violently
when sprayed - Both
front flippers at a time.
was this due to Bright moon?

24

TC-67 (never sprayed)

TAG NOS -
2813
2814

11 JUL 2002

S-

C-

DATE/TIME
6/20 Tues. 0500

AREA
2

Activity
N

REMARKS

DATE/TIME
6/20 0500

TC-68 //

11 JUL 2002

TAG NOS-

~~2815ZFL~~ 25

~~2816RFL~~

S- $34\frac{1}{2} \times 25\frac{1}{2}$

87.6 //

64.8 //

C- $36 \times 32\frac{1}{2}$

91.4 //

82.6 //

<u>DATE/TIME</u>	<u>AREA.</u>	<u>Activity</u>	<u>REMARKS</u>
6/20 ^{Tues} 0500h //	S point //	N-LAY //	

6/81 East - N

NO. 135

26

TC-69 (never sprayed)

TAP NOS-

NIGRE 1A

S-

C-

DATE	Date/TIME	AREA	Activity	REMARKS
6/2	6/20 TUES. 0015	8	N	wet shell - myid have just emerged.

1978

AREA UTILIZATION (Successful nesting)

<u>TC</u>	<u>AREA</u>	<u>TC</u>	<u>AREA</u>
3	16	45	4
9	SP	46	SP
10	SP	47	3
11	16	48	SP
12	5	50	6
14	17	52	SP
16	1	53	6
17	3	55	1
20	17	56	2
22	SP	57	16
24	2	58	17
25	17	59	4
26	10	60	12
27	3	61	SP
31	3	63	5
32	SP	64	SP
33	SP	68	SP
34	3		
35	3		
36	SP		
37	6		
38	17		
40	SP		
41	5		
42	7		
43	13		

TOTAL = 43

Area 17 - 5 = 11.6%

SP - 13 = 30.2%

Area 3 - 6 = 14.0%

Area 16 - 3 = 7.0%

Area 4 - 2 = 4.6%

Area 5 - 3 = 7.0%

Area 6 - 3 = 7.0%

Area 7 - 1 = 2.3%

Area 1 - 1 = 2.3%

Area 2 - 2 = 4.6%

Area 10 - 1 = 2.3%

Area 12 - 1 = 2.3%

Area 13 - 1 = 2.3%

13 out of 18 areas

Areas 16-17-SP = 48.8%

Areas 4-5-6-7 = 20.9%

1978

BASKING INCIDENCE

OBSERVED BASKING = 31 (54.4%)

NOT OBSERVED BASKING = 26 (45.6%)

TC	1	TC	39	TC	2
	3		42		4
	7		43		5
	8		47		9
	10		50		13
	11		57		16
	12		63		19
	14				20
	15				21-40
	17				35
	22				36
	23				41
	24				45
	25				46
	26				48
	27				49
	28				52
	29				53
	30				54
	32				55
	33				56
	34				58
	37				59
	38				60
					61
					64

48.8%

20.9%

SUMMARY OF 1978 CARAPACE MEASUREMENTS

<u>TC</u>	<u>S Length</u>	<u>S Width</u>	<u>C Length</u>	<u>C Width</u>	<u>TC</u>
1	35 $\frac{1}{2}$	27 $\frac{1}{2}$	37 $\frac{1}{4}$	37	41
3	37 $\frac{1}{2}$	28 $\frac{1}{4}$	39 $\frac{1}{2}$	36	42
8	35	28 $\frac{1}{4}$	37 $\frac{1}{2}$	35	43
9	35 $\frac{1}{4}$	27 $\frac{1}{8}$	37 $\frac{1}{4}$	36 $\frac{1}{2}$	44
11	34	27 $\frac{1}{4}$	35 $\frac{1}{4}$	33 $\frac{1}{4}$	45
12	39	31 $\frac{1}{8}$	41 $\frac{1}{8}$	38 $\frac{1}{2}$	46
14	37 $\frac{3}{4}$	29 $\frac{1}{4}$	40 $\frac{1}{4}$	36	47
16	37 $\frac{1}{8}$.125	28	39	35 $\frac{3}{4}$	48
17	37 $\frac{1}{2}$	27	39	35 $\frac{3}{4}$	5
20	37 $\frac{5}{8}$.625	27 $\frac{1}{4}$	39 $\frac{1}{2}$	36 $\frac{1}{4}$	5
22	34 $\frac{1}{4}$	26 $\frac{1}{4}$	36 $\frac{1}{2}$	32 $\frac{3}{4}$	5
24	36	28 $\frac{1}{4}$	37 $\frac{3}{4}$	35 $\frac{1}{2}$	5
25	38 $\frac{1}{4}$	32 $\frac{1}{8}$	41	42	5
26	35	26	36 $\frac{3}{4}$	35 $\frac{3}{4}$	5
27	35 $\frac{3}{4}$	27	37 $\frac{1}{2}$	34 $\frac{3}{4}$	5
29	36 $\frac{1}{2}$	27 $\frac{1}{2}$	38 $\frac{5}{8}$	36	5
31	37	29	—	—	6
32	34 $\frac{1}{2}$	26	36 $\frac{3}{4}$	34 $\frac{1}{2}$	6
33	35 $\frac{5}{8}$	27 $\frac{1}{2}$	37 $\frac{3}{4}$	35 $\frac{1}{2}$	6
34	37 $\frac{1}{2}$	29 $\frac{1}{2}$	39 $\frac{1}{4}$	36	6
35	38 $\frac{5}{8}$	28 $\frac{5}{8}$	41 $\frac{1}{2}$	36 $\frac{1}{2}$	
36	34 $\frac{1}{4}$	25 $\frac{3}{4}$	36 $\frac{1}{4}$	32	
37	35 $\frac{3}{4}$	28 $\frac{1}{2}$	37 $\frac{1}{4}$	36 $\frac{1}{4}$	
38	36 $\frac{5}{8}$	27 $\frac{3}{4}$	38 $\frac{3}{4}$	34 $\frac{3}{4}$	Ran
39	37 $\frac{1}{2}$	28 $\frac{1}{4}$	39 $\frac{1}{4}$	38	
40	38	27 $\frac{3}{4}$	39 $\frac{1}{2}$	35 $\frac{3}{4}$	

TC	SLength	SWidth	CLength	CWidth
41	34 ³ / ₄	27 ¹ / ₄	36 ¹ / ₄	35 ¹ / ₄
42	34 ³ / ₄	28 ³ / ₄	35 ⁵ / ₈	34 ³ / ₄
43	35 ³ / ₄	29	38	36 ¹ / ₄
44	32 ¹ / ₄	26 ¹ / ₂	—	—
45	35 ¹ / ₂	28 ¹ / ₄	37 ¹ / ₄	36 ¹ / ₄
46	36 ¹ / ₂	27 ⁵ / ₈	38 ¹ / ₂	35
47	34	26 ¹ / ₂	35 ¹ / ₄	34 ¹ / ₄
48	40	29 ¹ / ₄	42 ¹ / ₄	38 ¹ / ₂
50	35 ¹ / ₄	28	37	35 ³ / ₄
52	36 ¹ / ₄	27	38	36 ¹ / ₂
53	36 ³ / ₄	28	38 ¹ / ₂	36 ¹ / ₂
55	35 ¹ / ₂	27 ¹ / ₂	37 ¹ / ₂	35
56	36 ⁵ / ₈	26 ¹ / ₄	38 ¹ / ₂	35
57	35 ¹ / ₈	26 ¹ / ₂	36 ¹ / ₂	34
58	37 ⁵ / ₈	29 ⁵ / ₈	40	37 ¹ / ₄
59	35 ³ / ₄	27 ¹ / ₈	37 ¹ / ₄	35 ¹ / ₂
60	38	28 ³ / ₄	39 ³ / ₄	37 ¹ / ₂
63	38 ⁵ / ₈	30 ¹ / ₂	40	37 ³ / ₄
64	39	28 ³ / ₄	41 ¹ / ₂	38 ¹ / ₄
68	34 ¹ / ₂	25 ¹ / ₂	36	32 ¹ / ₂
	1669.875	1283.375	1683.625	1577.75

N = 46

$\bar{x} = 36.30$

Range - 32 ¹/₄ - 40

N = 46

$\bar{x} = 27.90$

25 ³/₄ - 32 ¹/₈

N = 44

$\bar{x} = 38.26$

35 ¹/₄ - 42 ¹/₄

N = 44

$\bar{x} = 35.86$

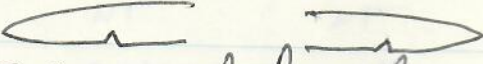



32 - 42

SUMMARY OF GROWTH MEASUREMENTS FOR TC RECOVERIES, 1978

		<u>STRAIGHT</u>		<u>CURVED</u>	
TC 20	6/24/75 -	37 94.0	27 1/4	39 1/4	37 1/4
TC 1029 HMB 36 months	6/12/1978 -	37 5/8 95.6 + 5/8 1.6 cm	27 1/4 0	39 1/2 + 1/4	36 1/4 - 3/4
TC 47	4/13/76 -	Trig Basket NT	NT	NT	NT
1226 HMB 942 Horo off	6/16/78 -	34	26 1/2	35 1/4	34 1/4
	6/20/78	Trig Basket			
TC 48	6/21/75 -	39 5/8 100.6	29 3/4	42	39
1047 HMB 36 months	6/16/78 -	40 101.6 + 3/8 1.0 cm	29 1/4 - 1/2	42 1/4 + 1/4	38 1/2 - 3/4
TC 63	5/1/71 -	EAST reader - 38.2 97	29.8 75	40	38
958 Hono 73 months	6/19/78 -	38 5/8 98.1 + 3/8 1.0 cm	30 1/2 + 3/4	40 0	37 3/4 - 1/4

FLAP KNOTS, SCARS OR OTHER ABNORMALITIES
1978

(Possibly indicative of lost tag)

- TC 8 Knobby callose felt in LFL
 11 Flap gone on right
 12 Knobby calloses felt in both flaps
 14 Big knot in LFL
 16 Knot in RFL? 
 27 Left flap has small TMR on ventral surface
 28 Small TMR RFL
 32 
 33 
 34 Knot and small TMR RFL
~~39~~ ~~40~~
 41 Small growth and callose knot on LFlap - etc
 43 
 55 Small TMR LFlap

$13 + 1 = 14$ Total possibles out of $44 = 31.8\%$ ^{examined for such}
~~25.0~~

EAST $1 + 4$ ^{long term = 5} Recoveries out of 66 ^{+13 = 79} encountered in 11 day period - 6.2% ^{EAST BASKERS}

$14 + 5 = 19$ of 66 ^{+13 = 79} ^{at least} 28.8% of turtles encountered may have been previously tagged

