

MULTI-YEAR SUMMARIES

1976

1976 TC's

BOOK 2

FFS

LONG TERM
TAG Recovery Summaries p. 1-6

Nesting Records - East p. 7

Basking when Tagged or Tag Recovered = p. 96-109

EAST ISLAND
MEASUREMENTS - DISTANCES

BALAZS (BOB) 395-6409

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GEORGE H. BALAZS
HAWAII INSTITUTE OF MARINE BIOLOGY

expeditions covered in this book:

^{No.}
76 - 6/28 - 7/12/1976 - French Frigate Shoals

17 11/10/76 - 11/23/76 - French Frigate Shoals

VERNON



COMPOSITION BOOK • 9½ IN. x 7½ 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

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Adult recoveries without TC 108
Temperature measurements (cloaca) 98
EAST IS. MEASUREMENTS (CALCULATIONS) 90

11/18 - 11/23/76

- FRENCH FRIGATE SITUALS -

Recovery and tagging summaries starting page 1
for expeditions

1. 6/28 - 7/12/76

2. 5/7 - 5/13/76

3. 4/8 - 4/19/76

3a. 1/15/8 - 1/22/76

4. 12/1 - 12/4/75

5. 8/26 - 8/27/75 (no Adults tagged or recovered)

6. 7/18 - 8/4/75 starting page 100

7. 6/6 - 6/26/75

8. 5/16 - 5/22/75

12/12/74 9. 2/13 - 2/20/75

10. 9/19 - 10/10/74

11. 7/26 - 8/15/74

12. 6/27 - 7/18/74 ← First time (twk) I'm Alone

5/2/74 13. 5/30 - 6/20/74

4/18/74 14. 10/11 - 10/17/73

15. 7/6 - 7/19/73

16. 6/22 - 6/29/73

17. 6/1 - 6/15/73

2/19/73 LIBRARY OF
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check
SIZE 49 1260-1306

1

Longer Term Tag Recovery Summary for June 28 - July 12, 1976

ORIGINAL DATA

- TAG NO 1976 TC
 883 ^{USFWS} TC 16 EAST Nest North, PH April 1969 (9/69) 230 lbs ~~Female~~ ?
 7/7-7/11
- 719 HIMB TC 20 EAST Nest TC 9 1974 season, observed 7/31-7/11 EAST
 7/8-7/11
- 660 ^{USFWS} TC 22 EAST Nest Lisianski 3/20/68 105.4 77.0 541.5 x 30.3 325 lbs (CEP200 present)
 7/9 C4314 x 40 1/2 102.9 77.2 91.8 101.9 99.2 "Recap 5/20/71 = (ok)"
 S40214 x 30 1/4 70.1 EAST FFS 5/16/71 30.4 x 38.1 c 40 x 43 330 lbs [placation 1968-32
 1971-31, 80.8]
- 1060 ^{FB} BASK EAST SE Island, PH 9/16/64 34 x 31 1/2 (ok)
 7/4 1046 86.4 82.0
- 985 ^{USFWS} BASK W-S LG, FFS 5/18/71 537.4 x 28.6 c 40 1/2 x 37 95.0 72.6 102.9 94.0 (ok)
 7/6
- 132 ^{USFWS} BASK TRIG SE Island, PH 9/20/66 ♀ S33" x 31" (ok)
 7/9 83.8 78.7
- 995 ^{USFWS} BASK W-S SE Island, PH 4/27/71 537.8 x 29.0 c 40 1/2 x 37 1/2 330 lbs (ok)
 7/10 96.0 70.7 102.9 95.3
- 959 HIMB BASK W-S (W-S, FFS NESTHORE 2/19/75 c 33 x 31
 7/10 (W-S BASK 8/12/75 83.8 78.7)
- T209 ^{USFWS} Nest EAST SE Island, PH 9/72; previously tag 152
 7/11 152 ^{FW} 152 - SE Island Sept 23, 66
 91.4 88.9
 1966 c 36 x 25 97.2 94.0
 1972 c 38 1/4 x 37

- 1039 HIMB ♀ BASK TRIG c 30 x 28 EAST AS FFS 6/13/75 BASK-NEST?
 6/30 70.2 71.1 74.9 71.1
 16 Total c 29 1/2 x 28 TRIG, BASK 4/13/76

June 28 - July 12, 1976 Adult Tagging Summary ONLY
 6 BASKERS TOTAL

TRIG - 2 females; EAST - 3 males; GIN - 1 female

NESTING FEMALES, EAST ISLAND - 19 (Does not include
 longer term recoveries
 .. 50 + 4)

26 APR 2002

Longer Term Tag Recovery Summary for May 7-13, 1976, FFS

Tag No.

ORIGINAL DATA985 USW/Hono ♀ BASK W-S
5/10

GIN, BASK 5/18/71

1120 ^{LF} ^{USW} ♀ ^{9/21} ^{JNK} BASK TRIG
5/10 ^{FW}(3/22 & 6/10/66 TRIG (12/31/75 TRIG, BASK
6/26/75 TRIG BASK945 ♀ BASK TRIG
5/10(2/17/75 TRIG BASK
4/10/76 TRIG BASK

⑦ Total

MAY 7-13, 1976 Adult tagging Summary -

9 BASKERS TOTAL

TRIG - 3 females

W-S - 1 female, 1 male

EAST - 1 female, 2 males

MULLET - 1 female

April 8-19, 1976 Adult tagging Summary -

35 BASKERS, 1 copulating TOTAL

TRIG - 17 females, 6 males, 1 NK ♀

W-S - 4 females, 3 males

East - 1 female, 3 males

GIN - 1 male

TAG NO.

702 ^{4/10} ^{SL}
^(1722, 20)WILDLIFE
747 ^{4/11}945 ^{4/10}, 947940 ^{4/11}948 ^{4/11}1131 ^{4/12}, 1094/12 ³⁰ ² ^U4/12 ^{FW} ^{USW}
4694/12 ^{FW} ^U
456962 ^{4/13}632 ^{4/13}, T301039 ^{4/13} X930 ^{4/13}, 31

⑬ Total

Longer Term Tag Recovery Summary April 8-19, 1976

TAG NO.

ORIGINAL DATA

- ~~702~~^{4/10} SLP (1722, 24) ~~BASK W-S~~ CL 30 1/2" = 77.5

(MAKAI PIER 12/6/73 SLP CL 28 1/2" ~~72.4~~
W-S BASK 1/16/76 CL 30 3/4" ~~78.1~~)
- ~~747~~^{4/11} WILDLIFE ~~10~~ BASK TRIG (6/14/68 EAST (6/6, 6/12/75 TRIG BASK
10/15/73 TRIG BASK 7/18/75 TRIG BASK
2/14/75 TRIG BASK
- ~~945~~^{4/10} ~~947~~ LFLX ♀ BASK TRIG 2/17/75 TRIG BASK
- ~~940~~^{4/11} ♂ BASK W-S (2/17/75 W-S BASK
6/11/75 W-S BASK
7/31/75 W-S BASK
- ~~948~~^{4/11} ♂ BASK W-S (2/18/75 TRIG BASK
5/21/75 TRIG BASK
7/19/75 W-S BASK
- ~~1131, 1093~~^{4/12} ♀ BASK TRIG 6/21-25 & 7/22/75 Nest, Food
A2
- ~~302~~^{4/12} ~~6034~~ F USW/HONO ♂ BASK TRIG
- ~~469~~^{4/12} ~~FW~~ USW/HONO ♂ BASK TRIG 3/14/67 ♀ BASK TAG ~~88.9~~ ~~85.1~~ c35x33 1/2
- ~~456~~^{4/12} ~~FW~~ USW/HONO ♂ BASK W-S 3/13/67 BASK W-S
- ~~962~~^{4/13} ♀ BASK TRIG 2/19/75 TRIG BASK
- ~~632, T302~~^{4/13} ♀ BASK TRIG 6/4-7/14/73 EAST Nest
- ~~1039~~^{4/13} ♀ BASK TRIG? EAST A5 6/13/75 - Nest?
- ~~930, 31~~^{4/18} ♂ BASK W-S (2/15/75 TRIG BASK
12/1/75 W-S BASK
1/1/76 W-S BASK
- 18 Total

4 26 APR 2002

Shorter Term adult tag Recovery Summary June 28 - July 12, 1976

ORIGINAL DATA

TAG NO.

~~1219~~
~~7/6~~

♀ Nest EAST

EAST, BASK 7/12/76

~~1241~~
~~7/11~~

♂ UNDERWATER TERN

TRIG, BASK 4/1/76

BLUE TAGS 2 ♂ UNDERWATER TERN

TRIG, BASK 12/3/75

TAG NO.

Shorter Term adult tag Recovery Summary May 7 - 13, 1976

original Data

~~1243~~
~~5/10~~

♂ BASK W-S

4/14/76 Bask Trig

~~1226~~
~~5/10~~

♀ BASK TRIG

4/13/76 Bask Trig

~~1230~~
~~5/10~~

♂ BASK TRIG

4/13/76 Bask Trig

~~1215~~
~~5/10~~

♂ BASK TRIG

4/11/76 Bask Trig

Shorter Term Adult Tag Recoveries Summary April 8-19, 1976

TAG NO.

~~1196~~ 4/12 ♀ BASK TRIG

~~12/2/75~~ BASK TRIG

original data

~~1160~~ 4/12 ♂ BASK W-S

~~7/31/75~~ BASK W-S

~~1200~~ 4/13 ♂ BASK shark

~~1/17/76~~ BASK Mullet

~~2004~~ 4/17 ♂ BASK TRIG

~~TRIG, BASK~~ 12/3/75

~~4/14~~ 2002 Plastic 1717 ♂ BASK TRIG

~~12/3/75~~ BASK TRIG

TAG NO.

LONGER TERM ADULT TAG RECOVERIES DEC 1-4, 1975

ORIGINAL DATA

~~1120~~ 12/3 ♂ BASK TRIG

~~(3/22 & 6/10/66 TRIG
6/26/75 TRIG BASK)~~

~~930~~ 12/3 31X ♂ BASK W-S

~~2/15/75~~ TRIG BASK

②

Dec 1-4, 1975 Adult tagging Summary

5 BASKERS Total
TRIG - 3 males, 2 female

NO short term recoveries

26 APR 2002

) indicates same nocturnal period

Recoveries summary January 15-22, 1976

TAG NO.702 ^{RF³/4OFF} ♀? BASK W-S
(New 1722/24) 1116 CL 30³/₄" 78.1original datamakai per 12/6/73 SLP CL 28¹/₂
72.4931 30X ♂ BASK W-S
1/20 929(2/15/75 TRIG BASK
12/31/75 W-S BASK
2/17/75 TRIG BASK943 ♀ BASK TRIG
1/21 942

③

January 15-22, 1976

⑤ Baskers total -

Trig - 2 Males, 1 female

Mullet 1 male, 1 female

1976

TAG NOS - 1260 LFL - HI B^u Address
1261 BFL - HI B^u Model size 49 TAGS

TC-1/ 7
26 APR 2002

99.1cm

C-39 x 34³/₄ 88.3-

cl = 94.0cm
S-37 x 27³/₈

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
6/28/76 2315	N/	SP in front of tent	2 pits - low
7/11 2300	B/	SP - South - low tide section	4.5

TAG NOS. - 1262RF
MALE

TC-2 9

26 APR 2002

MALE

C-

S-

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
6/29/02 0245	BASK	SEP	NIGHT BASKER Been there at least since 4/28 1145
6/30 1845	B	SEP	
7/1 1330	Water's Edge	12	SEXUAL interest seems likely. Almost came to bask w/ thick BIK ♀

26 APR 2002

C-

S-

DATE/TIME	STATUS	AREA	REMARKS
6/29/0600	N	14 inland	Lay pit
7/1/76/300	Offshore	NEP → SEP	rounded point - seemed to know exactly where going - ground slightly in shallow
7/5 Mon 1930	B	SEP	photo by seal & seal + pup nursing
7/7 1900	B	SEP	
7/8 1830	B	SEP	Bw photo taken
7/9 1900	B	SEP	
7/10 1200	B	SEP	
7/11 1530	B	NEP	
7/11 2300	N N	6	

TAG NOS. - 1264 IFL //

Tc - 4 //

13

26 APR 2002

C-

S-

DATE / TIME

STATUS

AREA

REMARKS

6/29 / 0600

N

15 veg line

lay 2 pits

7/12 / 0700-

N

15

~~lay~~ 3 pits photos -
sun up-

TAG NOS - 1267LFL

TC-5 / 15

26 APR 2002

C-

S-

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
6/30/76 0400	N	2	Lay 1 pit
7/1/76 1400 ¹⁵³⁰	OFFshore	Cove	floating near surface
7/8 1530	OFFshore	Cove	almost came out to bank s.p.

TAG NOS - 1269LFL

TC-6 26 APR 2002 17

96.5-
C- 38 x 37 1/4 87 1/4

90.8 cm
S- 35 3/4 x 27 1/4 6.2

<u>DATE / TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
6/30/76 2230	N ✓	17 right behind tent	
7/1 2215	N ✓	15	1 pit. Gold, sm TMR RFL
7/2 0015	N ✓	15	in pit LAY 6 fading

TAG NOS - 1268 RFL

TC-7

19

26 APR 2002

940 /
C-37 x 33 5/8 BSA /

S-

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
7/1/76 2230	N /	3 /	1 pit - foss lay (NO)
7/2 / 0018	N -	4 /	1 pit Lay
<hr/>			
6/24/79 /	- N		- East Basket

TAG NOS - 1270RFL

TC - 8

21

26 APR 2002

C - 37³/₄ x 34³/₄ ^{25.9} ^{88.3}

S -

<u>DATE / TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
7/4/76 0230	N	6	LAY - apparently if it
7/7/1900	B	NEP	

TAG NOS. - 1273 RFL

1274 RFL

100.6

92.1

C - $39\frac{5}{8} \times 36\frac{1}{4}$

TC-9₂₆ APR 2002 23

95.3 cm 62.9

S - $37\frac{1}{2} \times 27\frac{1}{2}$

DATE/TIME/
7/5/76 0300

STATUS
N/

AREA
- 1-2

REMARKS

lay pits photos Roll 6

TAG NOS - 1275 ~~FL~~
1296 ~~RF~~

TC-10 / 25

26 APR 2002 ✓
90.2 cm ⁹⁹

C-37 x 34 ^{9x.0} ^{86.4}

S-35 1/2 x 27 1/2

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
7/5/76 0406	N ✓	SP / ^{excav. of Black} _{egg cham. fast} Lay	photo - first part of reel 7
7/7 1400 ✓	B ✓	SEP ✓	
7/8 1830 ✓	B ✓	SEP ✓	BW photo taken
7/8 1900 ✓	B ✓	SEP ✓	Turned for cloaca temperature Tog 1296RF applied 31.2°

TAG NOS - 1276 RFL

TC-11

27

20 APR 2002

94.4 /
85.1 /

C - 37 1/4 x 33 1/2

S -

DATE/TIME
7/5/76 0500

STATUS
N

AREA
6

REMARKS
copulation
scabs 2/17 at least pits

TAG NOS-

TC-12

29

C-

S-

DATE/TIME
7/5/76 0530

STATUS
N

AREA
7

REMARKS
several pits

TAG NOS - 1277RF

TC - 13

26 APR 2002

C - 40 1/4 x 38 ¹⁴²² ^{96.5}

S - 39 1/4 x 29 ^{99.7 cm} ^{73.7}

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
7/5/76 0530	N /	16 /	LA at least pits

TAG NOS - 1278^{RF}
1279^{ZFL}

TC - 14
33
26 APR 2002

C - 38 x 33¹/₂

92.4 cm
S - 36³/₈ x 27^{68.6}

DATE/TIME	STATUS	AREA	REMARKS
7/6/76 0330	N /	5	Gold shell Lay - several pits; 2-3 small TMRFL
7/7 1400	B /	NEP /	
7/7 1900	B /	NEP /	continuous?
7/8 1830	B /	NEP /	
7/9 1900	B /	NEP /	
7/10 0015	B /	NEP /	still there
7/10 1200	B /	NEP /	

TAG NOS. - 1285RFL

TC-15 35

26 APR 2002

• ^{96.5} ✓ ^{95.9} ✓
C-38 x 34³/₄

S-

DATE/TIME	STATUS	AREA	REMARKS
7/7/76 0100	N ✓	3 ✓	14y 3pts photos
7/10 1200	B ✓	NEP ✓	

PREVIOUS ^{notify} U.S. Wildlife ~~INSRIPTION~~
TAG NOS- 883 (OFF) ~~Honolulu~~ U.S.A. ~~TC-16~~

1291 LF1

ORIGINAL - BASH

7/69 230 lbs

37

NORTH IS.

P&H

Pearl & Hermes

26 APR 2002

C- 38 1/4 x 37 1/2 95.3

S-

<u>DATE / TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
7/7/96 0130	N	5	TC sprayed while returning
7/8 0200	N	6	Lay (?)
7/8 1830	B	5 or NEPC (?)	don't remember
7/11 1530	B	SEF	BW photo TAKEN

TAGNOS- 1286~~RF~~

TC- 17 / 39

26 APR 2002

99.1 // 95.9 //
C- 39x37^{3/4}

S-

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
7/7/76 0130	N	4 //	Lay 3 pits ^{BEGUN} photos
NOTE → Appeared to have laid many eggs, then resumed chambering - many broken, killed one young frigate and one mature shearwater, dis resting.			

No. 194

6/82

EAST-N

TC 42

TAG NOS - 1219^{SF} ✓
1287^{RF} ✓
94.4 ✓ 88.3 ✓

TC-18 ✓ 41

26 APR 2002

C - 37¹/₄ x 34³/₄

S -

DATE/TIME	STATUS	AREA	REMARKS
4/12/76 ✓	B ✓	1 SEP ✓	logged 1219 while Basking
//////			
7/7/76 0700 ✓	N ✓	6 ✓	2 Ay - Brownish - sort of intermediate color
7/11/1530 ✓	B ✓	SEP ✓	

TAG NOS- 1290 ^{RF} //

TC - NONE GIVEN - 43
RAIN

26 APR 2002

^{94.0}
C-37 length

S-

DATE/TIME //
7/8/76 0130

STATUS //
N //

AREA //
2 //

photos

Lay-3 pits-

REMARKS

Right hind limb and
adjacent carapace missing.
EGGS LAID IN VERY SHALLOW PIT, IN COVERING,
STUMP BROKE MANY EGGS ON LET!
Nest marked by piece of iron in ground.

100000

TAG NOS - 1292^{RF}
1293^{RF}

TC - 19

45

26 APR 2002

• ~~Av. 5~~
C - 38 x 34 1/4 ~~87.0~~

S -

<u>DATE/TIME</u>	<u>STATUS</u>	<u>AREA</u>	<u>REMARKS</u>
7/8/76 / 0200	N	5	Lay - edge of Vegetation CRAWLED FROM AREA 1 almost to AREA 6 - N-notch 11th MARG LEFT Photos w/ME
7/11 1530	B	SEP	

6/15/81 - East - nest TC 12 NO. 147

TAG NOS - HIMB 719 LFI (off) TC-20
1294 LFI same hole; 1295 RE

47
26 APR 2002

QA.1 / QA.2 /
C-39 x 35 1/2 S-

DATE/TIME	STATUS	AREA	REMARKS
7/8/76 0400	N	p4-5 over to 12	Lay 3 pits 419 corroded by lock - not in fresh Beautiful creature - many photos nest marked by last year's tall wood stake
7/11 / 1800	B	NEP	

original data - TC9 of 1974 season - East Is
Tag NO. 774 was also attached - observed 5/31 - 7/11/74
NO scar or tumor noted where 774 should have been.

TAG NOS - 1297RFL

TC - 21

C - 39^{3/4} x 37^{1/4}

S -

DATE / TIME /
7/9/76 0230

STATUS
N

AREA
7 edge of Bank

REMARKS
2 pits LAY
considerable movement from
toggling

PREVIOUS - Notify U.S. Wildlife
TAG NOS-660 Honor USA (OFF) TC-22

51

26 APR 2002

1298 RFL same hole; 1299 LF

C- 43¹/₄ x 40¹/₂ 102A

103.5 cm 78.1
S- 40³/₄ x 30³/₄

DATE/TIME
7/9 / 0400
7/9 / 1000

STATUS
N
B

AREA
5
12

REMARKS
Lay, Bw photos, 3 pits

originally tagged
20 March 1968
Lisianski

TAG NOS - 1300 RFL
130 L^{LF}

17C-23

26 APR 2002

53

93.3

81.3

87.3 cm

65.1

C - $36\frac{3}{4} \times 32$

S - $34\frac{3}{8} \times 25\frac{5}{8}$

DATE/TIME, STATUS
7/9/76 0700 N

AREA
6

REMARKS

lay pilot

over foot center of Is. but return SW side, in spite of sun, ^{rising}

TAG NOS. - Bureau Wildlife ^{INSRIPTION}

T209 (OFF)

TC - NONE
Given

55

new - 1306 ~~left~~ same hole

26 APR 2002

C -

S -

DATE/TIME

STATUS

AREA

REMARKS

7/12/2000

N

4 infant

photos - color and
BW

→ possibly pink scar on
left flap

unknown if lay - cop scabs
present

TAG NOS-

TC-

57

C-

S-

DATE/Time

STATUS

AREA

REMARKS

TAG NOS-

TC-

65

Date/Time

STATUS

AREA

REMARKS

DATE



Entered
this book 1/24/76East Island Measurements

as per Figure 15, Map of East Island, 1 NOV 48
(Amerson, 1971) - ^{ACCORDING TO:} 1" = 200' scale given,
therefore using dividers -

AMERSON'S FIG 15 (1/32" = 6.25')		MY FIELD MEASUREMENTS	By my measurements for FIG 15-1/32" =
Pole 3 - Main 6 = 2 1/32" =	131.25'	166.5'	x 7.93'
Pole 3 - Pole 4 = 6/32" =	100'	132.5'	8.28'
Pole 2 - Pole 3 = 15/32" =	93.75'	111'	7.40'
Pole 4 - Pole 5 = 1 2/32" =	212.5'	270'	x 7.94'
Main 6 - Pole 5 = 30/32" =	187.5'	242'	x 8.07'
Pole 2 - Main 6 = 30/32" =	187.5'	239'	x 7.97'
Pole 4 - Main 6 = 8/32" =	50'	61'	7.62'

TRUE 1/32" = 8' ∴ 1" = 256', \bar{x} 4 closest = 7.97 = 8'
1" = 780.3 cm^{2.54}, 1 cm = 30.7 M
∴ (SOM = 1.63 cm)

Field Measurements converted into TRUE Figure 15 chart
distances -

	LOSS (-)	GAIN (+)
(Pole 1 - N shore = 47' = 6/32" ✓)	-3/32 = -24'	+16'
(Pole 1 - S shore = 214' = 27/32" ✓)	+5/32 = +40'	
(Pole 2 - N shore = 44' = 5/32 - 6/32"	-5/32 = -40'	-8'
(Pole 2 - S shore = 161' = 20/32" ✓)	+4/32 = +32'	
(Pole 3 - N shore = 102' = 13/32" ✓)	-9/32 = -72'	-52'
(Pole 3 - S shore = 89' = 11/32" ✓)	+2/32 - 3/32 = +20'	
(Main 6 - N shore = 44' = 5/32 - 6/32" ✓)	-12/32 = -96'	
(Pole 5 - N shore = 43' = 5/32 - 6/32" ✓)	-5/32 = -40'	+20'
(Pole 5 - S shore = 156' = 19/32 - 20/32" ✓)	+7/32 - 8/32 = +60'	
(Pole 4 - N shore = 96' = 12/32" ✓)	-12/32 - 13/32 = -100'	
(Pole 4 - S shore = 96' = 12/32" ✓)	+1/32 = +8'	-92'

RAO DRAWING =
+3.5'

13.4 M

$$1.63 \text{ cm} = 50 \text{ m} \quad \therefore \quad 5.705 \text{ cm} = 50 \text{ m}$$

$$1 \text{ m} = .1141 \text{ cm}$$

$$\text{Pole 2 - N shore Raorchart} = 1.5289 \text{ cm}$$

CLOACA ^{TEMPERATURE} MEASUREMENT LOG
 w/ YSI Model 42SC Tele-Thermometer
 Yellow Springs, Ohio Model 410 Rectal probe -
 5" to top of screw joint

7/6/76
 Tuesday

SUNDAY

10:00 8/1/76

original SE IS., P.H. 9/16/64 34 x 31 1/2" ^{86.4} ^{80.9}

Adult Male 53 1/2" x 27 3/4" ^{82.6} ^{70.5} END of Plastron to
 tip of tail - 14 1/2" ^{34.5} - Previous Fish ^{same} Tag 1060 ^(OFF)
 New tags (1272 RFL) and ~~1272 RFL~~ = 2011 RFL ^{blue} ^{PLK 5 T}
 Hauled out to bask on sand point,
 East Island near tent ~ 1245h - turned
 at 1500h - ~ 2h 15min elapsed. Carapace and
 hind flippers not wet - above wave wash.

Cloaca - 30.5°C

Seawater - 26.5°

Coral/shell sand - 26.8° at probe depth

Air above sand - 27 - 29.3° variable with clouds/wind
using probe

Subjective climate - ^{Bright} Sunny with passing clouds
 Tern Island CG Reports 15kt out of E.

Photograph taken ~ 1300 (check for carapace
 and skin coloration) Roll

entered
 7/29/77

Recorded on July 1977 by
 Brent Giezantner - basking on
 SE Island, PH - only 2011 left
 noted - in 'good condition'.

7/6/76
Tuesday

Adult Female C - ~40 1/2"

Previous "Notify U.S. Wildlife (Honolulu) 985 (off) Perfect condition"

New tags 1280RF, 1281^{RF}

Basking on W-S when arrived at ~1130h. Cold rainstorm followed for ~25 minutes, thereafter sun out with occasional clouds. Turtle basking with both hind limbs and tail in wave wash.

Turtle turned at ~1300h

Cloaca - 27.3°C

Seawater nearshore (shallow) - 26.5°C

Seawater (waist deep) - 26°C

Sand surface - 27-29°C variable

Probe depth in sand - 26.5°C

Some yellow in shell

Hind limb partially missing

29 APR 2002

7/6/76 ✓ Juvenile, captured offshore by scoop net - EAST ~ 1830h
 C $18\frac{5}{8} \times 16\frac{1}{2}$; S $(17\frac{1}{4} \times 14\frac{3}{8})$; 25 lbs Sun and clouds
 1660 LFL, 420 RFL, 1659 (shell), 1824 (new) 43.8 cm

Cloaca - $27\frac{1}{2}^{\circ}\text{C}$ (full length of probe)
 Seawater - $26\frac{1}{2}^{\circ}\text{C}$
 Brown mottled shell

7/7 wed Juvenile captured offshore by scoop net - Whale Shark
 1600h C $17\frac{5}{8} \times 15\frac{3}{8}$ (S $16\frac{3}{4} \times 13\frac{1}{4}$); 21 lbs

no tags

Cloaca - 26.8°C sun and clouds
 Seawater - 26.5°C
 Brown mottled shell 42.5 cm

7/6/76 Adult male ~~Barker~~ C-34½ x 33 S-33 x 26½ SEP EAST
 2315 hours Tugged 1283 LFL, 1284 RFL, ~~Turner~~ Plaston to tail tip 16" = 40.6
 To cloaca - 12" = 30.5
 = 87.4 = 83.8 83.8 cm 67.3
 Probably hauled since before sunset - above wave wash
 but still on damp sand.

Cloaca - 27.0°C
 Seawater - 26.5°C
 Air - 24.0°C
 Moist surface - 23°C

Black shell and dorsal skin surfaces.

7/8 Thurs
 1900h
 Sunset
 1950h

Adult female ~~Barker~~ SEPTICID - C-37 x 34 S-35½ x 27½
 Tugged 1275 LF (while resting 7/5) and 1296 RF
 Probably hauled out since early afternoon - laying
 half on dry coral shell sand, and hind quarters
 on damp sand. Far above wave wash.
 = 94.4 = 80.4 90.2 cm 69.9

CSL-1.04 CSW-1.24 SS-1.29
 Cloaca - 31.2°C
 Seawater - 26°C
 Pub depth in sand - 26°C

Black shell and dorsal skin surfaces -
 Bk and at photo shortly before measurement -
 Color slight photo while resting.
 Day weather - Sunny and passing clouds -
 strong trades

long term Tag Recovery Summary for July 18 - Aug 7, 1975

TAG NO.

~~948~~~~7/19 NW point~~~~♂ BASK W-S~~~~WLD/fe~~~~7/18~~~~? ♂ BASK TRIG~~~~7/24~~~~933~~~~♂ BASK W-S~~

ORIGINAL DATA

~~(2/18/75 TRIG BASK~~~~5/21/75 TRIG BASK~~~~(6/14/68 EAST~~~~10/15/73 TRIG~~~~2/14/75 TRIG BASK~~~~(2/14/75 WS BASK~~~~6/18/75 WS BASK~~

6/6 & 6/12/75 BASK

~~964/1141 ♀ NEST EAST~~~~7/26~~

BASK TRIG 2/19/75

~~940~~~~7/31 8/11~~~~♂ BASK W-S~~~~(2/17/75 WS BASK~~~~6/11/75 WS BASK~~~~953~~~~8/1~~~~♂ INWATER W-S~~~~(2/18/75 WS BASK~~~~6/9/75 WS~~~~959, 60, 61~~~~8/2~~~~♂ BASK W-S~~~~2/19/75 WS BASK~~~~974~~~~8/6~~~~♂ BASK TRIG~~~~6/12/75 TRIG BASK~~

same 974 tag as 2-11-85 yellow

8 TOTAL

⑥ Total baskers - July 18 - Aug 6, 1976 Tagging's

Trig - 0

W-S - 4 males, 1 female

East - 1 female

Tagged Nesters - ③4 total

W-S - 24

East - 9

Trig - 1

Long Term Recoveries Summary, June 6-26, 1975

TAG NO.

ORIGINAL DATA

TAG NO.

USW. Idlife

~~951~~ (LOCKED)

~~♀ BASK TRIG~~

TRIG 5/15/71

WILDLIFE 6/6

~~747~~

~~♂ BASK TRIG~~

6/14/68 EAST
10/15/73 TRIG
2/14/75 TRIG

953, 54, 55 x

6/9

~~♂ BASK W-S~~

BASK W-S 2/18/75

940 x

6/11

~~♂ BASK W-S~~

BASK W-S 2/14/75

USW. Idlife

959

6/10

~~♀ NEST EAST~~

EAST 15/16/71

101.6
100.3
C 40 x 39 1/2
S 36.6 x 29
93.0 173.7

650

6/18 W?

~~♀ NEST EAST~~

EAST, 6/73-7/73 Nest

933 x

6/10

~~♀ BASK W-S~~

W-S 4/14/75

957, 58

6/21

~~♂ BASK W-S~~

W-S B 3/19/75

USW. Idlife

942

6/25

~~♀ BASK TRIG~~

TRIG 5/41

USW. Idlife

966

6/26

~~♀ BASK TRIG~~

TRIG 3/22 & 6/10/66

Total Tagged Baskers - 9 June 6-26, 75 Taggings

East - 4 male, 1 female

Trig - 4 males

Tagged Nesters - 92

East - 89

Trig - 3

Total

+ Recovered

WS 1 ♀ 3 ♂

TRIG 3 ♀ 1 ♂

+ Recovered

+ 2 = 91

937

5/19

951

5/20

948

5/21

(3)

Longer Term Recoveries Summary May 16-22, 75

TAG NO.

original data.

~~937-938~~ ♂ BASK W-S
5/19

BASK 2/17/75 W-S

~~951~~ ♀ B TRIG
5/20

BASK 2/18/75 TRIG

~~948~~ ♂ B W-S
5/21

BASK 2/18/75 W-S

③

Tagging Summary May 16-22, 1975

total tagged baskers - (10)

Whale-Skate - 4 males, 1 female

Trig - 2 males, 1 female

East 2 males

Tagged Nesters - (3) total (all East)

29 APR 2002

Longer Term Recoveries Summary FEB 13-20, 1975

TAG NO.

ORIGINAL DATAT22^{96.3}

419

747

2/14

473^{FW}

2/14

74^{FW}

2/14

♀ BASK TRIG

C 38 X 39 3/4

96.5

101.0

♂ BASK TRIG

♀ BASK TRIG

C 36 X 35 1/4

91.4

89.5

♂ BASK TRIG

5/5/72^{97.8} TRIGC 38 1/2 X 40 1/4^{102.2}

(6/14/68 EAST

10/15/73 BASK TRIG

3/14/67 TRIG

C 34 X 32 3/4^{83.2}

8/29/67 TRIG

(4)

Feb 13-20, 1975

Total Tagged Baskers (23)

W-S - 9 males, 2 females

TRIG - 9 females, 2 males

Mullet - 1 male

ADULT TURTLE RECOVERIES WITHOUT TC
(initially)

DATE

- 6/30/76 (B ♀ ^{Small} TRIG TAG NOS. 1039^{RFL} also + 1m LFL C 30x28 "76.2" "71.1"
- 7/3 (Reported by Flip Nicklin - 2 males wedged in holes near landing craft sunk of NW corner Tern Is - blue plastic tags 2002 post)
- 7/4/76 (Bask ♂ EAST photos 1060 Fish Game (OFF) S 32 1/2 x 27 1/4 2004 70.5
ORIG. 9-16-64 P&H 1272 RFL & 2011 LFL new tags → 7/77 P&H
- 7/6/76 (Nest ♀ EAST A5 1219^{CF})
- 7/6 (B ♀ ^{cap scars-scabs} Whale-Skate Not U.S. Wildlife Honolulu (off) 985 (off) originally tagged 9/12/76 BASK SEP EAST ISLAND C ~ 40 1/2"
1280^{RFL} 1281^{LF} (new)
- Recovery data - 5/10/76 observed by me Basking on W-S.
5/18/71 originally tagged as basking female on L-RAIN
- 7/9 (B ♀ TRIG 1302^{LF} US Wildlife Honolulu (OFF) 1303^{LF}, 1304 RFL new tags
Small TMR Right shoulder Recovered 8/8/81 SE/IS. P&H BASKING + 556 new
- 7/10 (B ♀ W-S 995 U.S. Wildlife [NOT REMOVED])
- 7/10 (B ♂ W-S 959^{CF} RFL limb 1/2 missing)
- 7/11 ^{Sunday} (Unwater ♂ TERN 1241 In sunken landing craft ~ 1500 hours
4/14/76 male basker tagged on Trig Island
- 11/19/76 (B ♂ W-S 957R
- 11/19/76 (B ♀ RFL 1/2 missing, curled up pcs - scratches in shell no tags
W-S, Tail missing (fresh)
- 11/23/76 (B ♂ WS 959^{LF} healed tail injury

29 APR 2002

<u>DATE</u>	<u>STATUS</u>	<u>Location</u>	<u>TA 6 Nos.</u>	
3/28/77	BASK	TRIG	1221	By MONK seal KENYON personal Mark RIUZON
3/9/77	BASK	W-S	948	By RIUZON KENYON

→ 7/77 P&H; 5/10 SE P&H

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