

BALAZS

APR. 34

BOOK 1 + (NARRATIVE) (+ TC 114-113)

2-17 JUNE

EXPED 35 NARRATIVE 11-12 JUNE 85

BALAZS
(808) 395-6409

FRENCH FAUCON SIGALS
1984

1984

NARRATIVE (2-17 JUNE 1984) EXP. 34 p. 7-35
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TAG STRIPS USED (MOSTLY EAST)
 3535 - 3550 (16)
 (EAST) 3351 - 3375 (25)
 3376 - 3400 (25)
 3401 - 3425 (25)
 3426 - 3450 (25)
 4251 - 4275 (25)
 4276 - 4286 (11)
 AS SF MY
 DEPARTURE 6/17/84

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

SUMMARY OF NUMBERS TAGGED p. 117 Made in U.S.A.

VERNON McMILLAN, Inc., ELIZABETH, N.J. 07208

SUE - TAGGINGS ON TERN BEACH p. 15, 24;
 Whale-Skate Taggings - NESTERS & BASKERS:
 7951 - 8000 (50)
 8101 - 8143 (AS OF 6/17)
 SUE - 8144 - 8198 Applied at East + A few at other LOCATIONS.

8199 - 8221

JOHN HENDERSON
APPLIED following 1
SUES departure

NOTE: TAGS 8001 - 8100 (100) were sent to Galveston
for use on head-started Kemp's ridleys

TAGS left with SUE FFS 6/17/84

8144 - 8150 (7)

8151 - 8250 (100)

8751 - 8850 (100)

all 100
Returned

Returned by John Henderson 8-12-84

8223 - 8225

8226 - 8250

Brown Suit Case - sent

1. Dome tent (small) ^{originally intended for CBS people}
2. Panasonic radio / GE 9 volt radio w/battery ^{no batteries}
3. Propane Sears stove / Repair parts in plastic film canister
4. Grasshopper stove
5. Blue "BETZ" tag bag
6. 250 mm telephoto
7. 2 - headlamps
8. Thermometer in PVC
9. 2 - ^{spare} neon bulbs
10. "Cataract" sunglasses
11. Flex-neck AA flashlight w/2 batteries
12. Single-cell AA flashlight w/1 battery (extra bulb)
13. Flexible measuring tape
14. P 38 canopener
15. Thermal blanket
16. ScubaPro sharp knife
17. Sauce pan
18. Rain poncho
19. Gloves - 3 pair; 2 RIGHT hand leather gloves.
20. 4 new AA alkaline in package; 6 AA's in zip lock; 2 D Alkaline
21. Field note book - green / 2 Ball pt. Pens
22. TAGS 3535 - 3550; [3351-3450]¹⁰⁰ +16 = 4164
 [4251-4350]¹⁰⁰ [4351-4450]¹⁰⁰ [4451-4550]¹⁰⁰
23. Small & large ties
24. 1 large brown plastic bag
25. 6851 - 6950 given to WGG ^{Subsequently Returned unused} 100
26. Alarm clock
27. Blue tarp tied on the outside
28. New air mattress

516 TOTAL

NEED

- Southseas Aquatics
TECHNA # 59.95!
- ✓ 1. LARGE Plastic Bags
 2. Tarp for sun shade
 - ✓ 3. Support line for tent
 - ✓ 4. Binoculars
 5. Folding chair - cot
 6. Strobe (Dive shop)
 7. EPEEB - Hood - wet suit jacket
 - * 8. Flare kit
 - ✓ 9. Bran
 - ✓ 10. Gadorail powder
 - ✓ 11. Red Pen
 12. Bill's tel. no. -
 13. sleeping bag

2nd bundle sent to FFS - cardboard box.
(Brought with me on June 2, along with green suitcase and blk. dive bag)

1. Sweatshirt w/ emblems
2. Tan dive pants, brown dive pants,
3. Military pants
4. 3 towels (whi & yellow) ^{orange}
5. Sack sheet
6. 2 pair fabric
7. Tripod
8. Plastic bag w/ Bengay, Roloids, black tape, screwdrivers for camera, tie wraps lens cleaner, Desitin
9. plastic bag with crescent wrench, needle nose, regular pliers, ^{one} bag pliers
10. 1 green, 1 tan long sleeve shirt
11. 1 - propane bottle
12. 1 green notebook
13. 1 - eveready neon w/ 2 9V - lanterns inside

2 JUNE 1984 Depart ~ Fam Bobjustman Beach 18 -
 SATURDAY Sue, John & me + gear (including 3 plywood
 cages to assemble for salvaged walk seal
 picked by Bill already at Tern. 45 stop at
 Hawaii - called Jim & Christian.
 Arrive Tern ~ 11am - aerial photo
 of W-S & Trig (wide bridge to Sandbar).
 3 molting/molting pups in pen in
 garage.

Unpacked gear - assembled food for
 camping on East (Sue, John, me & Julie).

Bernie has been counting pits on
 Tern since they first started
 to appear (3 May 84). Copies of these
 data appear on the following page.
 Nearly all of the pits have been
 marked by a stake, or bottle
 with red plastic tape.

At ~ 5pm, I walked along
 the South Shore beach of Tern -
 or around following north shore sea
 wall.

- Big pit/dig right in the corner
 near fuel tank & side walk - same
 as during many previous years.
 Ocean has eroded out considerably
 under or in front of fuel tanks.
 - Just west of remaining telephone pole

TERN:

3 May 84	# 1-4 (1 track to all 4 pits)	[4]	
4 & 5 May	nothing	0	
6 May	# 5	[1]	
7 May	nothing	0	
8 "	# 6	[1]	
9 "	# 7-20	[14]	possibly 4 TURTLES MAXIMUM
10 "	# 21-23	[3]	
11 May	nothing	0	
12	# 24-28	[5]	
13	nothing	0	
14)	0	
15)	0	
16 May	# 29	[1]	
17 May	# 30-34	[5]	(30-31-32-33; 34;
18	nothing	0	
19	nothing	0	
20 May	# 35-40; 40A & 40B	[6]	(40A & 40B under Julies Room) x 40 (38, 39, 40)
21	nothing	0	
22	nothing	0	
23	40A & 40B	[2]	
24	# 41-57	[17]	
25, 26	NOT SURVEYED		
27 May	# 58-84	[26]	
28 May	# 85	[1]	

(last survey made)

Taken from
cluster points
of map(7-8-9-10-11-12;
13-14-15; 16-17-18; 19-20)(30-31-32-33;
34;(40A & 40B under
Julies Room) x 40
(38, 39, 40)2 Jul
SA

2 June 84
 SATURDAY - fresh tracks (lost 1-3 days?) and
 are superficial dig.

Noted seals scuffling around in older pits -
 make appear of fresher. Seals erase
 tracks.

- Saw a faint track near east end.
 Nothing else appeared recent along
 beach. (10pm with DICK WASS - fresh tracks
 at this same site seen.)

On North shore - saw 1 up-down very fresh
 track ran into and along sea wall steel
 sheet, near 1000' ^{Runway} sign and 3 ||| offshore
 pilings.

No juveniles seen along N shore
 seawall, in spite of higher tide. However,
 no noticeable algae seen growing on
 wall. Single juvenile turtle seen
 over coral head that is prominent
 near junk pile. Photo taken of
 old weapon carrier rusting away.

The following sticks to (glass):
 Tri-Chem liquid embroidery - called
 Herrschners, Inc. (Ball Point Pt.)
 Hoover Rd., Stevens Point, WI - 54481

note - Apparently turtles don't "home-in"
 on the pile of cement chunks; like
 they seem to do on the tents at times.

20 FEB 2003

3 June 84 Up ~ 7am - loaded 3 seals in
Sunday boxes - plane departed at ~ 9:15am.
Loaded boat - Gas filter broken,
electrical connectors came out of
Mercury motor - silicored in bit.

Motor past Trip ~ 12 noon -
3 pairs of fresh tracks seen from
last night, 1 ♂, 1 ♀, 1 intersex
seen basking (3-total)

WS ~ 12:30pm anchored at
West Trip. John & Julie did a seal
census over the nest 2 1/2 hours.
Basking water ^{Recygreen} 3038 RFL - left FL
has a medium TMR.

An adult female nearby seen to
have 2.5x49 tags in FL, HM&B
seen east

At west end, took photos of ♀
TMR turtle - Tagged it 3535 L#3-4th.
Return ~ 2pm

WS baskers	2 ♀	1 ♂	32 sex UNK	=	35	45
Nearshore	=				38	30
					<u>73</u>	<u>75</u>

Fresh tracks (EMERGENCES) from last night -

Noted plates of "barge" all rusted out -
No longer possible for seals (or turtles) to bask.

TAG

3 Jun

4 Jun
Mon5 Jun
Tue

STARTING
TAG NO. 3535 [NOTE - LOWER-NUMBER TAGS 11
BEING USED WITH OLD-STYLE PLIERS
ON LOAN FROM NBT.

3 June 84 Set up tent at East ~ 5pm
6:15pm Walked around East - ^(3 total tags + larvae) range.

46 BASTERS (20 at SEP)
Most of the excavations seem in
A 15-17 and Sand Pt. Very little
in A8. Medium amount along
rim of 'A5-6.

4 June
Monday Hard rain ~ 1:30am

Copulation seen close to shore at SEP.

5 June
Tues. Hatchling seen last night crawling
to ocean by tent; Considerable
implications of walking around island -
seal, bird, turtle tagging work.

Dangers of nighttime tagging on coast -
Birds in face, turtle on feet/legs, metal
objects, holes.

Notes - Tent traps heat terrible - I
slit screen as window to help
ventilation -
- In the past, I have tried to
go back to Tern as often as possible
during the daytime to escape heat, and
also reduce disturbance to wildlife.

6 June 84
Wednesday

Stakes marking nests put in with blue streamers attached and date of June written on it. 3 June = (3) 4 June = (4). For these 2 nights a total of 11 have been marked. Attempt being made to mark those that have a less chance of being knocked over. Those along "rim" of areas 5-6, where soil is loose from being repeatedly dug up, stand a high chance of being lost. Also, in the relatively small rim area, a concentrated search for hatching and emergence sites would undoubtedly be successful without the need for any stakes. The pits are very obvious, and nests are regularly being deposited there.

Evening 4-5 June - Sue went out with me for the first round to reacquaint with procedure.

" 5 June - John went out with me.

1:15 pm - Copulation pair only, seems to be off boat mooring

6 June

6 June 1984
Wed.

notes

- More males comes from the
Leewards to FFS for breeding
than from the main islands?

- Marked [7] nests with stakes no. (5)

- Nesting density within a season ^(appears) is
proportional for the nesting islets
within FFS. Considers Sue's
monitoring of W-5 last year, compared to
my at East. Also, considers numerous
times I have made nesting pit
and track surveys at other islands.
Never have I found a great number
nesting on another islet when East
had low numbers.

John has a cold; my stomach has been "knotty";
tacting up since arrival. Dihea last night.

Everyone is suffering from the heat.

In past years I haven't stayed on East
for 4 days 'at a time. Usually 2-3 at
most. on calm days, I spent the day
at Tern out of the sun. An easy
trip when it is smooth water.

Julie - John - Sue

Tagging weaner pups; Also ID of
Mother/pup by watching for long periods

June 6, 84
Wed

Saw seal A757[♀] - looked like an adult - but not real large.

7 June
Th

June 7, 84
Thurs.

Departed ~ 9am for Trig, then to Tern.
Turtles missed during night off East should be picked up later, since longer monitoring will occur this month.
Very hot on East!

At Trig, I saw a male close to shore with another turtle (or ♀?) behind it probably biting at tail.
Noted monoflament wrapped around left front flipper. Grabbed turtle and family easily hauled it ashore - photos taken of entanglement, plus me and turtle. Noted only 3 fresh sets of tracks on Trig. However, nesting pits are very extensive on the island. Probably more than I have seen here at one time - likely due to an accumulation over the past month + - like at Tern.

339

339

EWI
NO
339

339

20 FEB 2003

7 June 84 Showered at Tern and slept for 3
Thurs. hours.

At ~10pm, I walked Tern's S.
beach looking for nesters.
Just east of the old signal power
building one was found - probably
covering eggs -

TERN NESTER

3394 LFL / Large female - small ~~tail~~ present
on ventral right shoulder area.

3395 RFL / Right anterior portion of
carapace has a healed, indented
area.

EW
NO.
~481

Another TERN NESTER found east of
the leaning telephone pole - fronting the
open area to the runway - Also
covering eggs?

3396 RFL / Three barnacles on carapace
along with a few white
3397 LFL / coralline alga patches.

7 June 84 Thurs. Just east of sears I saw
2 large turtles in the
wave-wash near shore. one beached
for a short time while I watched.
Previously copulating pair??

From tracks and turtles I saw on
Tern beach, it would appear that
more than one trip ashore was
made by one of the turtles.


Consider - Tern's south shore is
an accreted beach, new since
the island was made by the
sea wall. However, the original
Tern Island was undoubtedly
used for nesting by turtles.

8 JUNE 84

FRIDAY

Departed W-S ~ 2:30 pm -

Set Sue's camp up on W-S for
4 nights of monitoring turtles. Tagged
2 read tags on baskets = 8 ♀ 7 ♂;
10 TAGGINGS, 5 RECOVERIES (15 TOTAL); 4 ♂ REC, 1 ♀ REC

Arrived at East ~ 5 pm. John
found a clutch undercut in
sand berm on Lakemore side of
Sp. ~ 50 counted. Photos. Apparently
some had rolled away into the
water. Eggs had a dark color
half way . I opened ~ 8

8 June
FRIDAY9 JUN
SATUR.

8 June 84

FRIDAY

MORNING
6/9 ¹⁰ cut into
but only a little
eaten

and found no sign of development. Yolk very watery - dehydrated. Apparently, the eggs are infertile. Eggs left in pile on SP to see if ghost crabs will eat them. - midnight - 3 Larvis species crabs present - had cut into only 2-3 eggs.

Note - Nights not spent on Tern are due to gas shortage.

Do a higher proportion of the turtles bask on W-S, due to more beach habitat, &/or adjacent 'OW habitat??

Trig?

Larger number breeding this year may be due to more immigrants, not an increase in new recruits.

9 JUNE 84

SATURDAY

Marked about 8 nests with "8" designation. Need to request that all stakes be taken up and stored on East after hatching study.

John and Julie motored to Disappearing, Gin and Little Gin. Former is washing away abt. Gin had 6 fresh up tracks. NO baskers.

9 June 84 Bin had a berm with washed
Saturday out egg shell, - last year's eggs
according to John. 2 baskets, and
2 in the water.

Sue at W-S ^{6/8pm - 6/9am} reports that she
painted 12 Turtles w/light blue numbers.
Tagged 8 of these; found existing
tags on 2 (3403? & 5350), and
didn't paint 3 other: 15 total?

PENTECOST SUNDAY (HOLY SPIRIT SENT TO US BY THE LORD)

10 June Report from Sue for 6/9pm - 6/1am:
Sunday East while TC 50 seen basking
on W-S 6/9 Sat.

white TC 14 up to nest, but not
confirmed laying eggs.

13 new turtles numbered, 6 old
painted, up (19?). Two of the
new were tag recoveries.

Note - possibly the TC 14 was originally
a W-S "fingert" turtle that returned
to W-S after an excursion to
East.

Marked about 6 nests with stakes.

SUNDAY
10 June

notes - 3 tents on east and latrine "screen" offer a small test of whether turtles are attracted to large objects when nesting. East offers such an opportunity, since there are no bushes. However, there is bronze machinery at SE end - turtles nest around it. Such a test would only seem valid when there is sufficient moonlight for the turtles to see the tents.

So far, latrine has had 1 false dig and 1 nest laid near it since my arrival. My tent has had none, ~~and~~ except a false dig the night we were on Tern. Julie had 1 the 8th of June (top of the tent); one while on Tern, and 2 last night (head in door). John's is the largest tent - He had 1 large dig one night on Tern, and 1 last night he chased away. Considering the number of turtles up each night, the above data hardly seems more than random wandering.

There are abt of digs, many surely false, in Area 1 adjacent to John's tent, but these are not out or under it.

10 June 84 notes - ^{my} TM report should have
 Sunday mentioned that no FFS-associated
 tagging have been recovered
 outside the Hawaiian chain.

Rain showers sometimes at night -
 note that paint won't stick on
 shell when wet. Also, hard
 rain often drives turtles back
 into the water.

Ideal - A fluorescent paint
 on shells that shows up
 with a blacklight at night?

On about 4 June, John saw
 a juvenile turtle basking
 near my tent. A day or two
 later, I saw it swim by.
 This is undoubtedly the tagged
 one recovered after, and tags
 read by Hans on East several
 months ago.

How many turtles seen basking
 have the encrusting scum on
 the carapace, like the ones
 commonly present at Punaluu?

How fast can black pigment
 mobilize in the carapace when

Sc
 10 Ju

Jonell, Mor

SUNDAY
10 JUNE 84

basking in the sun? Does this happen when turtles are basking at FFS? And then fade lighter when back at foraging pastures and not basking? The turtles at P & H and Gisianski would be dark, if they bask all year round? Sea Life Park turtles seem lighter though, even though they often (?) bask. Check to see if any one of the SLP turtles is darker. Kahala Hilton turtles too.

What % of the tagged turtles from each year have ever showed up again?

Jonellth, Monday

Consider "seedling" areas 5-7 to enhance nesting success through greater vegetation cover. Also, erect objects in other areas to attract turtles away from A5-7.

Use baskers as an index of the number of turtles present each season. Tag them, instead of nesters.

Headstart?
Note - no nesting in slab area or adjacent land where ginseng huts were located. Instead, mostly in "antennae field".

June 11, 84 Monday - Flipper widths - [10-20 needed w/straight & notch length]

Sunday night, 6/10, Sue had 13 turtles up, but no tag recoveries. Tagged of the 13.

She says that the turtles look big. Also, that it is hard to work / look for turtles without disturbing mothers with pups.

She also tagged a night basking female with white scum on carapace, (since she thought it might be a Kan turtle.

see p. 98 for data on W-S

12 JUNE TUESDAY

Departed for W-S via Round ~ 9:15am, Circled Round for ~ 45 minutes counting seals. Trawl net washed up more on the island. One basking turtle present.

Picked up Sue off W-S, motored past Tracy - saw 4 pairs of tracks from last night's resting. Two basking turtles present. Unloaded at Tern for a day of rest. That evening ~ 10pm

10:30pm

I walked Tern Beach with Kathy and Bernie (Good) - only one turtle, or track set found, just past SP building

198
3-4 J
4-5 J
5-6 J
6-7 J
7-8 J
8-9 J
9-10 J
10-11 J
11-12 J
12-13 J
13-14 J
14-15 J
15-16 J
16-17 J

1984 RECORD OF STAKES MARKING NESTS

3-4 JUNE (3)	3	
4-5 JUNE (4)	9	
5-6 JUNE (5)	7	
6-7 JUNE (6)	2	
7-8 JUNE (7)	-	
8-9 JUNE (8)	5	
9-10 JUNE (9)	8	
10-11 JUNE (10)	10	(1 TRANS)
11-12 JUNE (11)	6	
12-13 JUNE (12)	2	
13-14 JUNE (13)	4	(1 TRANS "52")
	SUBTOTAL-	<u>56</u>
14-15 JUNE (14)		
15-16 JUNE (15)		
16-17 JUNE (16)		

TERN
12 JUNE 84 10:30pm
TUESDAY

4260 LFL

Nesting female -
Painted no. Parrot green Lucite #1
on carapace - no sign of old tags.

Found a male (small) foraging part in
the water at the NE sandbar that
forms off Tern - tagged ~~4260~~ 4261 LFL

13 June 84 - 7:45am talked to Lin & Christian
Wed via NMFS lab radio.

Note - Slap slapping of nesting
turtles is hard on tag. Must
injure surrounding tissue causing
some fluid secretion.

So many tags put on in main
islands, but still no
sign of them showing up
at FFS. With the exceptions of:

What % of each year tagged at FFS have
ever been seen again?

13 June
1984

13 June 84
Wednesday

Note: Males can sometimes breed on a 1-year cycle because they depart for foraging pastures much earlier in the season than the females. Many females stay on to lay several clutches at 10-15 intervals.

~ 4pm - stopped at Trig on the way to W-S and East Johns, Sue & I. Sue painted log brown-red for aerial survey/photography forthcoming. Nesting digs are extensive all over main part of island. Probably more than I have ever seen. However, this may be influenced by the fact that nesting has been going on for some time (early start), and in recent years I have not been at FFS later in the nesting season to see the accumulation of > 1 month's digs.

W-S basking numbers accrue from Trig & Terry too?

14 June 84
Thursday Sue counted 65 turtles basking
on W-5

15 J

15 June 84
Friday 11 am - painted red/brown one
of the cement pads for the
aerial survey.

Sue's report for WS last night
indicated:

- 1) 15 up 8 of these new
- 2) A turtle hauled out to rest at 8 am ^{no eggs}
- 3) nest - 5156 L · 3187 R ^{ENTRY #139 "3087" ? 1979 May 1981 June 0}
5154 R ^{JUNE 81?}
- 4) Book ♀ 3597 L + R ending in "6" ^{JUNE 80?}
♀ 3399 R ^{6/8/84 - S}
♀ 3397 L + 396 R ^{6/7/84 nesting on TERN}

16 J
SATUR

15 June 84
Friday At about 11:30am the chartered search plane flew over east and landed at Tern, only stayed for ~ 1 hour. Reported they had a physic aboard who "saw survivors by a cave on an island."

Tagged 2 pups with John. 1 fat weaned, and one black abandoned (~ 45 lbs).

Starting about 3P, a copulating pair was seen off Area 13-14. Frequently a 2nd male would be attached. Activity continued, and at 5:30pm 3-4 males were around the pair right by the boat anchorage.

TC19 was initially seen in the area (A13-14) for a short time. ~ 7pm John found another clutch being washed out by high tide on SP. Many eggs turgid - 52 found and reburied near previous TRANS.

16 JUNE 84
SATURDAY Up ~ 7am. TC24 in chamber and lay - many photos Roll 4 - WSA and 55mm. Packed stakes and packed all gear for departure - TP W-S at ~ 10:30am via Round Is.

16 June 84
Saturday

- 10pm Walked Tern beach for nesting turtles. One set of tracks seen - in-out - no serious digging evident.

17 June 84 Bob's plane arrived - 11:15 am.
Sunday Aerial photos taken 2-2:45 pm.
2 "YAC's" aboard, Jim Kirokoshi,
and DOI person the mainland. Latter
2 are turn-arounds.

Depart ~ 3pm - 5 passengers (Bernie
and Cathy). All 3 of my bags
had to stay.

* Edge of East to the remaining pole
was further this season, although
I didn't pace it off. Check to
see if this shows in photos,
or better still the aerial
full-frame photos taken regularly
during seal surveys.

BACKNOTES: In the main island foraging pastures, they appear to be a lot of adult-size turtles that 1) haven't bred yet; and/or 2) don't breed anymore (for old age or other reasons) or, less likely, breed somewhere else.

The above is based on the observation that capture ^{recovery reports} work in mains have involved very few FFS tagged turtles; and very few (only 1?) turtles tagged in the mains have been recovered at FFS. Note also of considerable importance that to date no subadult turtles tagged in main island, or NWFI, growth studies have been recovered at FFS (grown and survived to a size big enough to breed).

For several years now, juvenile/subadult turtles in former numbers have not been seen at French Frigate Shoals. This includes ① W-S west cove by large & close to shore ② East - east reef ③ and probably also North Tern Island seawall. Need summary of numbers tagged at FFS to show decline.

* In a future season, a "temperament" estimation is needed (scale 1-5), gauging how turtle reacts to tag check-tagging.

BACKNOTES:

Radio talk with Julie Eason
on 5/8/84 before going to FFS.

< April 17th - Marked nests -
FIRST observed

4/17/84	EAST IS.	- 5 pits
4/21	"	7 pits
4/26	"	34 14 pits
5/1	"	34 pits
5/3	"	1 pit
5/6	"	20 pits

4/25	W-S	5 pits
5/1		10 pits

5/6 Many more - not marked

5/6/84 TRIG - Found "several"

5/3 TERN 4 pits (believed to be from
the same turtle)

	TRIG	BASKING & IN WATER	EAST
		WS	* NV
4/20/84	3	51	39
4/21	NV	NV	
4/25	8	75	
4/26	NV	NV	66
4/27	NV	NV	65
5/1	11	75	
5/2	NV	NV	64
5/6	NV	NV	70

* NOT VISITED

The day of April Fool
1984

George:

I have not much of anything to report in regards to turtle work at FFS. I did not tag or measure any turtles this past month. There has been 1-2 adults on Tern Island, + 15 subad adults basking on Trig and 1-5 animals basking on Whale. Skate. Every so often as we pass Round Island there may be 1-2 adults basking. I didn't have the opportunity to show Julie how to tag turtles, she knows what to look for (tag placement) but usually there were too many animals proximal to each other. Seals - turtles - turtle. turtle. touching each other.

On March 30, we visited Whale. Skate, or

the wet sand was a subadult turtle with recent indications of shark attack. Fresh scratches on post. dorsal carapace, missing its hind flipper, and from the 8th to post central scute R. margins there was a clean cut

revealing the underlying fat layer. Photos were taken. Animal very lethargic, also carapace has old scars at the post. central



scute is missing because of past shark attack - poor luck little animal.

Also on same day, we photographed adult seal hauled out on the wreckage of the 'mike' boat, afternoon, clear day, hot.

Photos are a lot better than my P+H

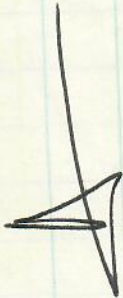
turtle photo. Did you see this spot is a common haul-out area for seals? Only the

17
lower portion of the wreck looks wide enough
for a turtle to bask upon, I'll have SE
keep an eye out for them.

One set of turtle pits (4 pits - one wind)
was dug on East Island, we saw it 30 March,
(1-2 days old). Some tracks from wave wash
into vegetation, no digging on those. I
have SE, dating and marking the turtle
pits.

Well, will see you in August, Give
my aloha to Lindsey and Christine.

See ya later.





25 MARCH 1984 W-5 "DS-24"



25 MARCH 1984 W-5 "DS-36"

JE

11-12 JUNE 1985

(ALL HARD DATA ENTERED IN BOOKS
GIVEN TO GAIL ON EAST)

11 June 85

TUES. Depart - 6:45am on Justman's plane -

Photos of
Barber's
Pt. during
Oahu
departure

aboard are Dick WASE, Rick VETTER, Gutfriend(?),
GAIL Peterson and Julie ELIASON. Direct flight
without stop at Kawai - arrive Tern at ~ 10:30am.
While coming in over lagoon, well to the east of GINS,
Gail is certain she saw a large turtle swimming.
Tug was washed over considerably in Jaws -
sand bar detached. Dick said waves washed
debris unto runway.

After landing, we ate lunch with relatively
new personnel on island. Made preparations
for trip to East. Mark _____ has been
tending NMFS whaler with 2 new full-time 40hr
personnel report that within the past
5 days nesting has picked up on Tern
from little present earlier. Mark reports
the same for East Is. Weather is very
overcast - trade 10-15 mph, but air
feels cooler than other Junes.

Depart with Gail - 3pm for W-5. Small
School of kawakawa seen right off boat
hoist. Arrived at W-5 - 3:30pm.
Anchored by log on west side and walked
mostly around the island. Counted
ca 60 baskers (consider that there is
a greater incidence of basking on W-5 -
turtles spend more of their time
basking at W-5. Several turtles
newly tagged and recovered tags

TAG recovery
of baskers W-5
from
P&H11 JUNE
TUES.

11 JUNE 85
 TUES. read. Cooked over large seal carcass that we later learned Julie & Mark had autopsied on 5/26. Nest digging on W-5 by no means seems great. I counted only 2-3 that could have been from last night, but all of these may have been "good" nests. Departed for East ~ 4:45, arriving ~ 5:15 pm. Two tents are rectangular white one, as last year, but with fencing all the way around it to keep out turtles. In addition, a large nylon Sears dome, just west, with plywood "fence" Julie is using. A toilet is set up in the middle of the sand point. Complete with plywood seat. At ~ 6 pm, after unloading all gear, we walked slowly around East. ~ 30 baskets counted. Saw and later photoed an adult A-15 female with the left front flipper off fresh at the distal end of the humerus. Bone didn't look sheared. Dead seal pup, born during the past few days, in ~ A-15-16. Here too, digging on the island looks sparse. Albatrosses have shifted to the north side, leave bare, undug area of the island. Ate chili peas dinner, rested awhile and went out at ~ 10:15 pm. Earlier I lost my jack knife from plastic bag w/ tags being carried. Out again with Gail at 11:30 until ~ 3:30 AM. Numbered turtles up to TC 11 + 1 NOTC. Several tag recoveries made.

Tues - wed

11-12 JUNE 85

including one with a rock-hard
marble-like growth (tumor) growing out
of the ventral skin by FL tag!

(Light tan Lucite spray used) (6 cans
sent with Gail - purchased at Abigail Woolworth)

During sunset earlier we saw 2
large 30-40 schools of spinner
porpoise right near-off SEP of
East toward Bare Is.

Up ~ 7am, spent 2-3 hours going
over how to enter data in books.

Departed for Tern by myself & W. L. L.
has 2 hard-pull 40hp.

Cleared up gear. Left on plane at
~ 1:30pm, direct arrival ~ 5pm.

Bill was waiting to pick up ♀ weard
seal for transport to the Waikiki
Aquarium.

Bob just was mentioned flying five
turtles back from Molokai when he
piloted for Brandt Air. ~ 1973.

SUMMARY OF 1984
CARAPACE MEASUREMENTS

EAST NESTERS				WHACE-SKATE NESTERS			
<u>NO.</u>	<u>TC</u>	<u>STRAIGHT TO NOTCH</u>	<u>SL</u>	<u>NO.</u>	<u>(SRL) TAG</u>	<u>CCL</u>	<u>NO.</u>
1.	8	-	89.1 R	1.	7966	92.0	29.
2.	9	-	89.5	2.	7965	97.0	30.
3.	11	-	90.2	3.	7974	101.0	31.
4.	13	-	96.1	4.	7975	95.0	32.
5.	14	93.8	93.8	5.	7977	95.5	33.
6.	15	93.1	93.1 R	6.	8101; 8110	101.0	34.
7.	16	-	92.1	7.	7979	105.5	35.
8.	19	-	97.0	8.	7989; 8000	98.0	36.
9.	20	-	86.4	9.	8105	98.0	37.
10.	21	-	93.2 R	10.	8113	99.5	38.
11.	22	-	92.0	11.	8135; 8136	90.5	39.
12.	23	88.5	88.5 R	12.	6171 R	101.5	40.
13.	24	89.3	89.3 R	13.	4260	92.5	41.
14.	26	-	97.0	14.	5156; 3187 R	104.5	42.
15.	27	-	92.5 R				43.
16.	29	95.2	95.2 R				44.
17.	30	-	91.0 R				45.
18.	32	-	96.0				46.
19.	33	-	91.0				47.
20.	35	-	86.7 R				48.
21.	36	-	92.8 R				49.
22.	37	-	95.0				50.
23.	38	-	94.8 R				51.
24.	43	-	98.2 R				52.
25.	44	-	93.7 R				53.
26.	45	-	94.5 R				54.
27.	52	-	91.5				55.
28.	55	-	89.8 R				56.

SL	NO.	TC	STRAIGHT TO NOTCH	SL	ST
0	29.	56	-	84.0	5P
0	30.	58	-	90.7	8P
1.0	31.	59	-	93.2	4P
5.0	32.	62	-	87.8 R	2P
5.5	33.	63	-	88.6 R	2P
1.0	34.	64	-	94.5	7P
5.5	35.	67	-	93.2 R	8P
8.0	36.	68	-	91.3 R	9P
8.0	37.	69	-	93.0 R	801
9.5	38.	70	-	93.3	401
90.5	39.	71	-	93.7	201
01.5	40.	72	-	91.8 R	201
2.5	41.	73	-	92.7 R	701
04.5	42.	74	-	92.1 R	801
	43.	76	-	87.8 R	901
	44.	77	-	99.5 R	011
	45.	78	-	91.5 R	111
	46.	79	-	89.0	811
	47.	80	-	90.5	811
	48.	81	-	95.1	411
	49.	82	-	89.8	211
	50.	83	-	94.5 R	211
	51.	84	-	85.3	711
	52.	85	-	91.3	811
	53.	86	-	93.0 R	911
	54.	87	-	87.9	061
	55.	89	-	89.0	161
	56.	91	-	91.5	561

CARAPACE LENGTH, CONT.
1984

<u>NO.</u>	<u>TC</u>	<u>STRAIGHT TO NOTCH</u>	<u>SL</u>
57.	92	-	90.4 R
58.	93	-	94.1
59.	94	-	95.2 R
60.	95	-	81.5 R
61.	96	-	94.5 R
62.	97	-	93.2 R
63.	98	-	95.5
64.	101	-	98.0 R
65.	103	-	90.5 R
66.	104	-	90.3 R
67.	105	-	95.5
68.	106	-	91.0 R
69.	107	-	94.5
70.	108	-	96.5
71.	109	-	90.0 R
72.	110	-	85.6
73.	111	-	93.8 R
74.	112	93.2	93.2 R
75.	113	93.8	93.8 R
76.	114	-	93.6
77.	115	-	92.3 R
78.	116	95.2	95.2
79.	117	90.8	90.8
80.	118	92.7	92.7
81.	119	90.2	90.5
82.	120	90.5	91.0 R
83.	121	88.8	89.4 R
84.	122	87.5	87.5

<u>NO.</u>	<u>TC</u>	<u>STRAIGHT TO NOTCH</u>	<u>SL</u>
85	123	95.5	96.2

^{RECOVERY}
 $R = 4047.3$ $N = 44$ $\bar{x} = 91.98$
 NOTCH = 7324 $N = 8$ $\bar{x} = 91.55$

New
 $TAGGINGS = 3774.6$ $N = 41$ $\bar{x} = 92.06$
 NOTCH = 645.7 $N = 7$ $\bar{x} = 92.24$

NOTE:

144

-TC

(CONTINUED from Book 1)

TAGS - 3385 LFL

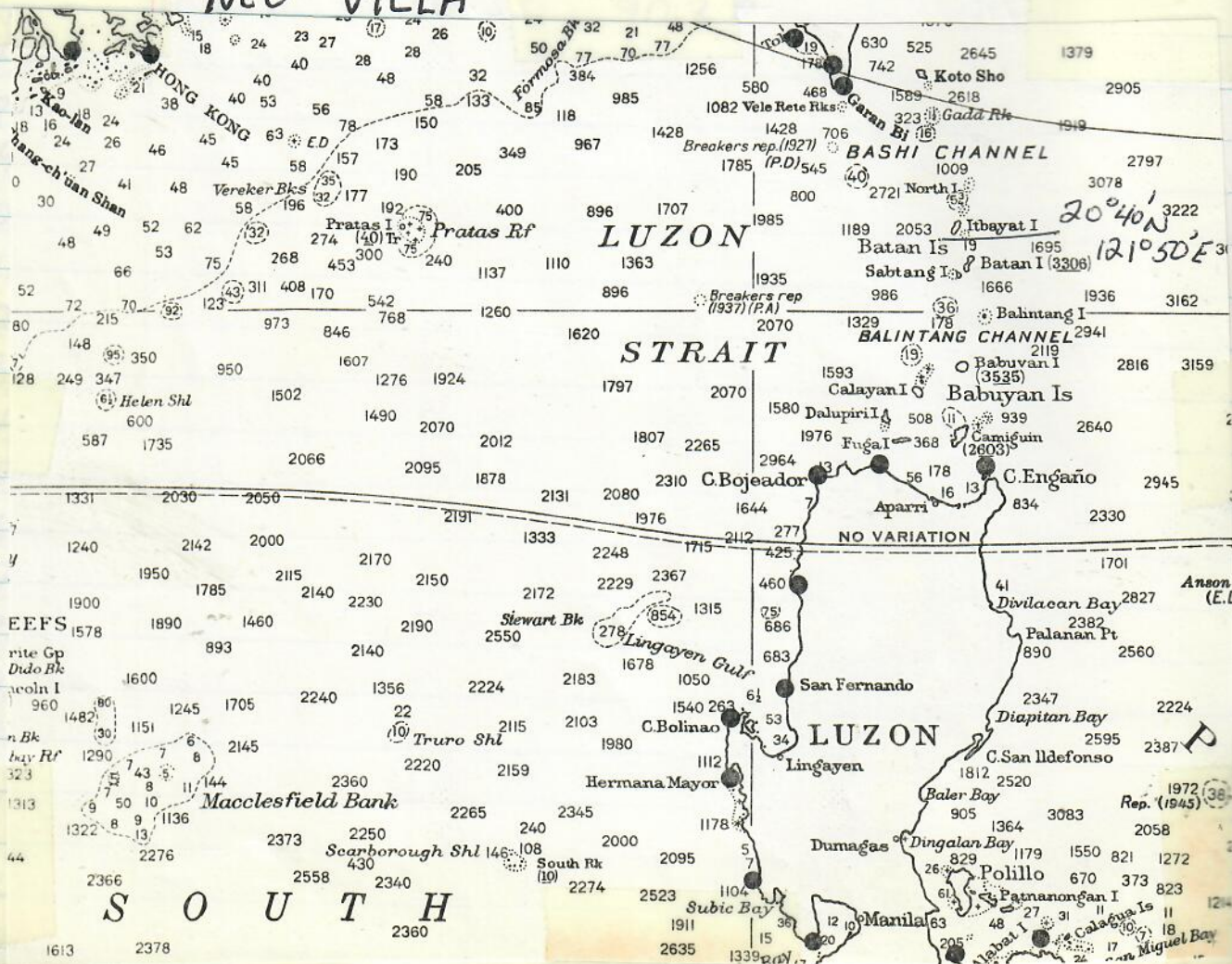
PREVIOUS
NOTE
6/7

S-93.6

DATE/Time	AREA	Activity	Remarks	DATE/Time
6/13/84 wed 10:30 pm 6/7	(5)-6 [originally tagged NOTC-wet]	N N	digging deep egg chamber but abandoned & returned to the water - not my influence.	6/13/84 6/15
6/15 10 pm FRIDAY	3	N		

Reported caught in the Philippines (Itbayat, Batannes) 10/6/85 3385
1002 "Sea Male Turtle"

NEO VILLA



TAGS - 3603RFL
6209 LSCALE

Recovery
ENTRY # 186

FC - 145

S-92.3

DATE/TIME	AREA	Activity	Remarks
6/13/84 10:30 wed	13	N	3603 LFL partly missing
6/15 5am Friday	6	N Returning to water,	number part missing.

NOTE:
146-TC/

PREVIOUS
NOTE

6/11 EAST
6:15 pm
by pole

S-95.2
(NO NOTCH)

TAGS- / FL
3446 LFL
3447 RFL

EN
NO

DATE/TIME	AREA	Activity	REMARKS	DATE/TIME
6/14 ^{4m} 1:30pm Thurs.	SP	N-Lay		6/14
6/16 11am SAT.		NIGHT BASKER		6/16

TAGS - 4264 LFL
4265 L 3-4th Scale

ENT.
NO. 370

S-90.8
(no notch)

TC-117

END OF
NIGHT (11)
NOTE - NOT
ON EAST
NIGHT 10

DATE/TIME	AREA	Activity	REMARKS
6/14 1am thurs.	SP	N	slit in RFL - fresh.
6/16 10am FRIDAY	3	N	

248-TC /

TAGS-
4269 LFL

S-92.7 /
(no notch)

DATE/Time
6/14 / 10:40
Thursday

AREA
SP /

Activity
/N

Remarks
Small horn
knob on right dorsal
shoulder.
(4270 locked without
going onto turtle)

DATE/Time
6/14 /
6/15 /

TAGS - 4271 LFL
4272 RFL

ENT

440

Tc - 149

S - 90.5
(notch 90.2)

DATE/TIME	AREA	Activity	Remarks
6/14 Thurs. 10pm	3	N	in chamber, but crawled off apparently as soon as the bright full moon came out from behind a dark cloud bank.
6/15 1Am	3	n-lay?	

NOTE

TAGS - 4267 LFL
4268 RFL

DATE/TIME	AREA	Activity	Remarks
6/14 5pm	7	pro-nay	Opportunity depending on light etc, which is about 1 hour before sunset. no sound differs apparently not up later in the evening.

120-TC/

RECOVERY

JUNE 82?

ENT. #258

TAGS-

6192 LFL

6183 RFL

S-91.0

(notch-90.5)

DATE/TIME

AREA

Activity

Remarks

DATE/TIME

6/14 10pm

Thurs.

10

N

Big BARN on left 3rd central-dorsal

6/15

6/15 1am

4

N lay #

L dorsal shoulder has a small pink TMR.

NOTE

DATE

6/14

TAGS- 6021 LFL

RECOVERY

6022 R1ST SCALE

JUNE 82?

TC-181

ENT. #259

END OF NIGHT

(12)

S- 89.4 ✓
(notch - 88.8)

DATE/TIME
6/15 1 AM
FRIDAY

AREA
8

Activity
N

REMARKS
IN VERY DEEP
body pit.
A real expert digger!

NOTE

DATE/TIME
6/14 5:45 PM
Thursday

AREA
7

Activity
DAY NESTING

TAGS- 4267 LFL
4268 RFL

REMARKS

Apparently responding to high tide, which is about now. Bright sun. No "serious" digging apparent. not up later in the evening.

182-TC/

TAGS-

4279 LFL

4280 RFL

S-87.5
(no notch)

ENT. NO. 418

DATE/TIME	AREA	Activity	REMARKS	DATE/TIME
6/15 ^{FRIDAY} 10pm	3	N		6/15

TAGS-4279 LFL
4280 RFL

Activity
no notch

AREA
3

DATE/TIME
6/15

REMARKS

Apparently response to
high tide which is about 10m
high. No notch. No notch
during approach but later
in the evening.

TAGS- 4270 RFL
4281 LFL

TC-123

END OF
NIGHT
13
(FINAL)

S-96.2 ✓

ENT. NO. 417

95.5 notch

DATE/TIME
6/15 10:00 am
Friday

AREA

6 ✓

Activity
IN ✓

REMARKS
Scum on
carapace

NOTE 124 TC individuals

FFS 1984 SRL

Tags Lost: 7971
7978
8112
8193
8194
8152
8159

9
Tags Misapplied: 7018
(and given to GB) 7970
7999

tags applied to "fl" area unless noted
(Adults unless noted)

Tags applied to basking turtles

6-9	WS F 7968 (L)	night basker, XXXX recovered 6-13 (N) and 6-14 (N)
6-9	WS M 7969	night basker
6-10	WS F 7980	night basker, XXXX recovered 6-11 (B) and 6-14 (B)
6-10	WS M 7982	night basker
6-11	WS F 7984	recovered 6-15 (B)
6-11	WS M 7985	
6-11	WS F 7986	recovered 6-15 (B) and 6-15 (N)
6-11	WS F 7987	recovered 6-14 (N) and 6-15 (N)
6-11	WS M 7988	limb bones of both foreflippers exposed
6-11	WS F 7989	
6-11	WS F 7990	recovered 6-14 (N)
6-11	WS F 7991	
6-11	WS M 7992	
6-11	WS F 7993	recovered 6-14 (B)
6-11	WS F 7994	
6-13	WS F 8111	night basker, recovered 6-15 (N)
6-13	WS M 8114	night basker, recovered 6-14 (B) (also at night)
6-14	WS F 8115	
6-14	WS M 8116	
6-14	WS F 8117	
6-14	WS F 8118	recovered 6-15 (N)

ENT. NO. 354

6-14 WS F 8119
 6-14 WS F 8120
 6-14 WS M 8121
 6-14 WS F 8130
 6-15 WS F 8131
 6-15 WS F 8132
 6-15 WS M 8133
 6-15 WS F 8141 - ANT. NO. 382
 6-16 WS F 8143
 6-18 TRIG F 8145
 6-18 TRIG M 8146
 6-18 TRIG F 8147
 6-18 TRIG M 8148
 6-18 TRIG F 8149
 6-20 EAST M 8166
 6-21 EAST M 8172
 6-21 EAST M 8173
 6-22 EAST M 8178
 6-28 TRIG ? 8196
 6-30 TERN M 8198 (3-4 area)

8122 (R) recovered 6-15 (B)

night basker

Female? Very bright yellow-green carapace

Recovered basking on East 6/90 by Bob Cummins

lobster
pur

Subadult, straight carapace length 62.2 cm
 Turtle tangled in net around neck and proximal "FL" area
 of left fore flipper. Net was tangled with ~~flippers~~ ^{propagator}
 and line. Fibropapillomas ~~on head of~~ right fore flipper
 and right eye. Turtle cut free of net; photos.

3 or 4 STRANDS OF LINE (of NET)
 AROUND HEAD + FLIPPER. LEFT "FL"
 AREA HIGHLY ABRASIONED.

FFS 1984 SRL

Tag recoveries -- basking turtles

Date	Sex	Tag	Notes	Tag	Notes	Tag	Notes
6-8	WS	M	n	3404	(R)		
6-8	WS	F	3400	(L)			
6-9	WS	M	?	2750			
6-10	WS	M	5988	(3-4)	y		
6-10	WS	M	?	2625			
6-10	WS	M	3765	3234			
6-10	WS	M	3018	?			
6-11	WS	F	n	3474			
6-11	WS	M	3044	?			
6-11	WS	F	?	2722			
6-11	WS	F	n	5150			
6-11	WS	F	n	6171			
6-11	WS	F	3535	(3-4)	n		
6-14	WS	F	3597		y	3399	see p 92 data
6-14	WS	F	n		y		
6-14	WS	F	3397		y		
6-15	WS	M	2704		y		
6-15	WS	F	n	3403			
6-15	WS	F	y	3395			
6-18	TG	F	n	3444			
6-20	EA	M	6017	ENT # 112	n		
6-21	EA	F	5440		y		
6-24	EA	F	4267		y		

tags in "fl" area unless noted

n = no tag present

y = tag present, not read

? = not noted

GB tagged 84; also recovered 6-14 (B) and 6-15 (B)

GB tagged 84; also recovered 6-11 (B)

night basker

night basker; also recovered 6-13 (B at night)

night basker

also recovered 6-15 (B)

also recovered 6-15 (B)

also recovered 6-11 (N), 6-13 (N) and 6-14 (N)

GB tagged 84; night basker; also recovered 6-15 (B)

GB tagged; night basker; also recovered 6-15 (B)

GB tagged 84

GB tagged 84

GB tagged 84

night basker

6-24 (N)

GB tagged 84, 6-24 (N)

ENT # 282

Basking counts

6-8	WS	1900 hrs	30	
6-9	WS	1430	24	including "white 50"
6-10	WS	1730	56	
6-11	WS	1530	46	including "white 50"
6-13	WS	1730	45	
6-14	WS	1800	37	including "white 50" + "white 48"
6-15	WS	1700	31	(27 female, 4 male)
6-18	TRIG	1453	9	(3 female, 3 male, 3 sex unknown)
6-18	EAST	1730	32	
6-19	EAST	1630	43	
6-20	EAST	1430	49	
6-21	EAST	1730	37	
6-22	EAST	1730	28	
6-24	EAST	1915	23	
6-25	EAST	1700	24	
6-26	EAST	1730	28	
6-27	EAST	1700	33	

FFS 1984 SRL

Tags applied to nesting females - Whale Skate (tags applied to "fl" area unless noted)
 carapace measurements are CURVED CARAPACE MEASUREMENTS

DATE: e.g., 6-8 = evening of 6-8, dawn to dusk

6-8	7951 (L)	7952 (R)	
6-8	7953		
6-8	7954		
6-8	7955	7956	
6-8	7957		
6-8	7958		
6-8	7959		
6-8	7960		
6-9	7966		----- 92.0 cm recovered 6-10 (B) (at night) half of R hind flipper missing
6-9	7967		
6-9	7965		----- 97.0
* 6-9	7963		----- 82.2 R applied by JH East 7/13/84 ← ENT. NO. 348
6-9	7961		
6-9	7964		
6-9	7972		stub R fore flipper at 2nd scale
6-9	7973		
6-10	7974		----- 101.0
6-10	7975		----- 95.0
6-10	7976		----- 82.05 R applied by JH (W5) recovered 6-11 (B)
6-10	7983		
6-10	7977		----- 95.5
6-10	8101		----- 8110 101.0 ENT. NO. 381
6-10	7979		----- 105.5 barnacle over R eye
6-10	7981		

378

ENT. NO.
380

6-11	7996	7997	
6-11	7998	8000	left tag applied while basking 6-11
6-11	7989	8103	recovered 6-15 (B)
6-11	8127	-----	
6-11	8105	8106	
6-11	8107	8108	fibropapilloma L fl area ← ENT. No. 349
6-13	8134	-----	
6-13	8126	8123	
* 6-13	8113	8129	
6-13	8109	8136	
6-14	8124	8139	tag rip ? R "fl" area
6-14	8125		
6-14	8128		
6-15	8135		
6-15	8137		
6-15	8138		
6-15	8140		
6-15	8142		
6-9	8104		

ENT. No. 476 98.0

ENT. No. 376 98.0

ENT. No. 349 99.5

applied 7/14/84 by JH nestings on EAST

90.5

FFS 1984 SRL

Tag Recoveries - nesting females - Whale-Skate
Note measurements are CURVED CARAPACE

6-8	n	5350 (R)		GB tagged 1984
6-8	n	3402		R tag applied
6-9	2818	7962		GB tagged 1984 (East #14)
6-9	3383	y		GB tagged 1984
6-9	n	3390		
6-9	5463	5464 - #269	8/18/81 from <i>Frank & Hilton</i>	
6-11	?	5149		
6-11	n	6171	101.5	
6-13	3752	3753		
6-13	4260	n	92.5	GB tagged 1984 while nesting on Tern
6-13	7968	n		SRL tagged 1984
6-14	5156	3187	104.5	
6-14	7987	n	94.5	SRL tagged 1984
6-14	7980	n		SRL tagged 1984
6-14	n	5154	96.5	
6-15	7986	n		SRL tagged 1984
6-15	n	3407		GB tagged 1984
6-15	8117	n		SRL tagged 1984
6-15	8111	n		SRL tagged 1984

Tern Island nesting females

6-17	8144 (L)	tag applied
6-17	8134	tag recovery, #46 Whale-Skate nester "turtle" nesting on WS 6-13 and 6-15

3/13/89 Chun's Reef
 See p. 76

FFS 1984 SRL

Tags applied to nesting females - East
 tags applied to "fl" area unless noted
 carapace measurements are STRAIGHT CARAPACE MEASUREMENTS to "the point"
 DATE: e.g., 6-19 = evening of 6-19, dawn to dusk

6-18	8151(L)	8200 P (by JEH) 7/8/84		
6-18	8153			
6-18	8156 ^{JH}	8155 (R)	89.5 cm	
6-19	8208 ^{JH}	8157	88.2	
6-19	8158	8170	88.2	
6-19	8160	8161		
6-19	8162			
6-19	8163	8171	85.2/88.8	← ENT. NO. 353
6-20	8167	8168	84.8	
6-20	8169	→ ENT. NO. 467		
6-21	8174	8175		
6-21	8176	8177		
6-22	8179	8212 applied by JH 7/14(EAST)		
6-24	8182(2-3), 8180 (fl)(L)	8181 (R)	88.5 cm	
6-24	8183	8184		
6-24	8185			
6-25	8206 ^{JH}	8186		← ENT. NO. #475
6-25	8188	8187		
6-25	8190	8189	91.25	
6-25	8191		94.0	← ENT. NO. 346
6-26		8192 (2-3)	97.5	

ENT. NO. 375

ENT. NO. 350

ENT. NO. 373

ENT. NO. 346

Tag Recoveries - nesting females - East

6-18	5099	y	89.8	GB tagged 1984
6-18	3541	y	89.8	GB tagged 1984, <u>SRK added R tag</u>
6-18	3388	8154	6/15 Bask East	GB tagged 1984
6-18	4284	y	90.5	GB tagged 1984
6-18	3416	n	90.5	GB tagged 1984
6-19	4279	y	95.5	two tags L - one "fl" one "2-3"
6-19	yy	3601	ENT # 194	no tag L "fl"
6-19	5189	(2-3)	6/4 Bask East	L tag applied
6-19	8164	y	ENT # 279	L tag applied
6-19	8165	5008	ENT # 288	4 tags evident ENT # 107
6-20	8165	y	5145 (2-3)	4 tags evident ENT # 183
6-21	y	2214	7c77	one tag L in 2-3 area only, R tag in fl ENT # 280
6-22	y	3595(fl)	6094(fl)	GB tagged 1984
6-24	y	5306	96.8	ENT # 282
6-24	3417	y	96.9	GB tagged 1984
6-24	5440	y	96.9	GB tagged 1984
6-24	3450	n	96.9	GB tagged 1984
6-24	3360	y	96.9	GB tagged 1984
6-24	y	3002	ENT # 282	necktie 4/27/79
6-25	3127	y	95.2	GB tagged 1984
6-26	8195	3444	96.0	already recovered by G.B
6-27	3001	y	81.5	GB tagged 1984; partial L hind flipper
6-27	4267	y	95.5	

Hatchlings observed the evenings of 6-19, 20, 21, and 27.

FFS 1984 SRL

Nesting Summaries

Whale-Skate

Date	# ashore N	# Old + # New	New		
			# Tags applied	# Tags recovered	# misc
6-8	12	0	8	2	2 untagged
6-9	19	6	9	4	
6-10	13	5	8	-	1 untagged
6-11	23	13	7	3	
6-13	15	7	5	4	
6-14	15	7	4	4	
6-15	17	7	5	4	1 untagged
			<u>46</u>	<u>19*</u>	<u>4</u>

*19 = 8 long-term recov.
11 short-term (tagged 1984)

East *Need to Recalculate Based on True 'Old' & 'New'*

Date	# ashore N	# Old + # New	New		
			# tags applied	# tags recovered	# short-term recov * # misc.
6-18	20	12	3	1	4
6-19	28	17	5	4	1
6-20	39	36	2	1	-
6-21	41	38	2	1	-
6-22	26	24	1	1	3
6-24	20	11	3	1	-
6-25	22	17	4	1	1
6-26	13	11	1	-	-
6-27	11	9	1	1	1
		<u>144</u>	<u>21</u>	<u>13</u>	<u>10</u>

* turtles tagged either nesting or basking by GB 1984

JOHN HENDERSON DATA

F.F.S. 7/5 - 7/25 1984

(R) = TAG RECOVERY (F) = TAG APPLIED (NI) = NOT INSPECTED

	ISLAND	NEST OR BASK	PAINT	SEX/LEN.	TAGS APPLIED OR RECOVERED	OTHER TAGS PRESENT	COMMENTS
7/5	W/S	BASK	-	?/65.0	(F) 8199R	NONE	NEW
7/8	EAST	NEST	KA	♀/NI	NI	NI	} NESTING CHECKED 2145-2215
	EAST	NEST	154	♀/NI	NI	NI	
	EAST	NEST	WHITE, ?	♀/NI	NI	NI	
	EAST	NEST	GREEN, ?	♀/NI	NI	NI	
	EAST	NEST	WHITE, ?	♀/NI	NI	NI	
7/11	EAST	NEST	KA	♀/NI	NI	NI	} NESTING CHECKED 2145-2215
	EAST	NEST	-	♀/-	(F) 8151L (F) 8200R	NONE	
	EAST	NEST	-	♀/-	(F) 8202L (F) 8201R	NONE	
	EAST	BASK	-	-/0	(R) 2213L	MT AX	
	EAST	BASK	-	♂/0	(R) 8172L	NONE	
7/11	W/S	BASK	-	♀/-	(F) 8203R	NONE	WHITE ON CARAPACE NEW
7/12	W/S	NEST	-	♀/-	(R) 7975L (R) 8205R	NONE	ASSET IN A.M. SITE (F) 8204 BAD

applied by SL
7/10 on W/S
6/10 on NESTING



ALL flight check is
No
The flight
Census

OUT:7

new tags found by John

DATE	SEX	STATUS	AGE	MARK	LOC	REMARKS	ENT	OTHER
7/13	EAST	BASK	♀/90.0	3541L	3542R	NDME	GB tagged	
	EAST	BASK	-/-	3541L		RT AX		
	EAST	BASK	-/-	3412L		RT AX		
	EAST	NEST	♀/-	9185L		(NI)		
	EAST	NEST	♀/95.7	3691L		L. AX		
	EAST	NEST	♀/-	8186R	8206L	NDME	NEW; FOST. CAPTURED	
	EAST	NEST	♀/99.0	8207L		NDME	GB tagged	
	EAST	NEST	♀/-	3542R		MI		
	EAST	NEST	♀/-	6206R	R. DIST.	R. AX, L. DIST.		
	EAST	NEST	♀/-	3145R	R. DIST.	R. AX, L. DIST, L. AX		
	EAST	NEST	♀/-	3116R		NDME		
	EAST	NEST	♀/-	8197R	R. DIST.	L. AX	ENT. 184	
	EAST	NEST	♀/-	5209R	R. DIST.	R. AX, L. AX		
	EAST	NEST	♀/-	3331R		L. AX	ENT	
	EAST	NEST	♀/-	3123R		NDME	432	
	EAST	NEST	♀/99.0	8151R	8207L	NDME	(ENT# 449)	
	EAST	NEST	♀/-	2011L		RT. AX		
	EAST	NEST	♀/97.7	9202R	8210L	NDME	NEW	
	EAST	NEST	♀/92.6	2327L	8211R	NDME		
	EAST	NEST	♀/93.4	7963L	8212R	NDME		
	EAST	NEST	♀/-	5215R	DIST.	R. AX, L. AX		
	EAST	NEST	♀/-	9213R	8214L	NDME	NEW	
	EAST	NEST	♀/-	8201R	9215L	NDME		
	EAST	NEST	♀/-	9113L	9216R	NDME		
	EAST	NEST	♀/99.8	3118R		L. AX		
	EAST	NEST	♀/-	2603L		R. AX		

ENT. 73
ENT. 38
ENT. 197
ENT. 87
ENT. 263
ENT. 281
ENT. 280
ENT. 281
ENT. 168
ENT. 114

AX. = AXIAL; DIST. = DISTAL

CONTINUED on p. 72