

1977 FFS & NESTER

Nesting Records - East Is. p. 24 **1977**
(START OF INCONEL TAGS)
BASKET TAGS, p. 75-76, 88, 91
JUVENILES IN 1977 - p. 93 + p. 97.

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EXPEDITIONS COVERED IN THIS BOOK: SWANASHORE
NECKER T.O. - 4
NECKER, FFS (R/V EASY RIDER) 6/20 - 7/3/77 (EXPEDITION 18)
VIA NECKER

(EXPED. 19) FFS - BALAZS/WHITLOW

9/22 - 9/28/77 NARRATIVE BEGINS
PAGE 17, ON TO 71

(EXPED. 20) FFS - BALAZS/WHITLOW

12/1 - 12/8/77 (RAINBOW) NARRATIVE IN
OTHER GRAY BOOK,
Data in Tables this
book

1977

TC 1 - PAGE 24

6/20 - 7/3/77 FFS EXPEDITION -

3 turtles recorded on EAST subsequently
seen offshore W-S.

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R/V ABYRIDER SHARK FISHING
LOCATIONS (MAY 1977) 123

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MONDAY

6/20/77 Depart Honolulu aboard R/V Easy Rider
 ~3:00 PM for FFS with Leighton Taylor, Tim Tricos, crew-
 (Gene, George, Jimmy, Ron, Russell)

6/22
WEDNESDAY

6/21

TUESDAY

Sunrise - approaching Lehua Island
 1800h - South of Nihoa (Island visible)
 Smooth seas, light trades, partly cloudy
 skies - talked to Bryan and Pattie Johnson on
 Laysan - report many flies - ^{never more + night} 8 turtles basking
 during morning, 4 in the afternoon -
 3 recent nests but not in basking areas.
 → No night patrols made.
 Skip reports lights on Necker.

6/22

WEDNESDAY

on the way to Necker - calm sea
 and winds - ~ 9:30 AM Necker in
 sight - Photos w/ telephoto
 arrive Necker ~ 1/4 AM - circled from
 NE - saw sharks Bay close,
 many photos, WA and regular (Polarizing).
 Anchored off of W end - buoy present
 with large anchor. Took first SCUBA
 dive to stern of boat - ~50' w/ deep channels,
 many lobsters in cracks. Ulua, Nenue.
 I found ~ 200 lb ^{bomb} with urchin in nose.
 → Many jars and trash on bottom.
 Saw very small gray reef shark.

6/22

SEA WATER - 74°F

WEDNESDAY

Necker (continued)

Second ^{SCUBA} dive - 230PM

only with Leighton - straight towards Island (East) ^(to the) - found deeper, ~~spot~~ w/boulders - white Tip shark which Leighton photographed - large blue - large school of Nenu with some gold ones. Swam right up to island - and returned.

4PM Leighton, Skip and I swam ashore - 2 adults ^{seals} on ledge W end (1 ♂, 1 ♀) - walked over to other side - (Sharp's Bay) - saw ledge w/seals - one Adult with ~ 1 month old pup in tidal pool - one Adult very dead - stinks - crabs eating -

Count	A	SA	P	DEAD
	13 14	5	1	1 (A)

♀	6
♂	5
?	7

Hiked up to peak of mountain - saw ~ 4 Marae sitters - ^{photos} also Laysan, Black-footed, petrels shearwaters, sootys, and blue-gray ^(on eggs). Lots of floatsam in second cove to the right. on the way down saw

note - consider Satellite activity at Tern. - very bright light on Terns
 - also Midway bird skins. - Turtle photos

6/22
WED

Necker (continued) small turtle near seal ledge - partially in white water - also very large turtle going along shore.

↳ Consider - Basking ashore as an alternate to resting underwater when proper habitat is not available.

note partially detached L of island has caves and stones - also possibly resting bomb - such as ones seen in water (?) Saw wood and bottles (?)
 Returned ~ 6 PM - Saw LIBRA (Leo) way offshore.

Talked to Bryan ~ 8 PM - school of 100 Gays around island reported.
 Necker offers an excellent observation platform for turtles/seals.

Departed Necker ~ 8 PM for FFS -

6/23 7 AM off Tern Island to the North.

THURS.

Came around from West to La Perouse -
 Laid out lobster traps - 50 to a string.
 Saw C-130 make a mail drop. (empty)

Set out shark line.

Launched Lighter's boat and went ashore - saw adult turtle just off of Easy Rider.

XO's name is Mr. Timothy Harris. CW3 30 years old
 Clarke has taken sea water ^{from} for past few months.

6/23
Thurs

6/24
FRID

430

7.

6/23
Thursday - Worked on Buholes - patched hole with
fiberglass. ERider picked up ^{shank} line at ~6PM
and found 2 grays and 1 scalloped hammerhead.

6/24
Friday 10AM to Trig - very green w/ bunch grass -
to WS - also green - sooty tern colony
doesn't seem advanced that help.

To Round/Mullet at 2PM - Mullet
prominent - also Bare Island,
TO LGM/GM at 3PM

Black-footed colony appears small.
Sard Island attached on Trig.

Observed weaned pup on W-5" came up
behind looking turtles, scare it into water
and follow.

Saw several gray reef sharks in W-5 core.
only saw two juvenile turtles in area.
These appeared to be 20-30 grays off East Island.
No juvenile turtles observed.

4:30PM Set up small tent/campsite on EAST-
Long sandpoint like past summers - also
Long SNEP - moderate number of sooty
terns - island greens

7:57 (+ 2 min my watch) terns took off;
Shortly after sunset
Except for areas 5-6^{and SP}, most pits
on East are along vegetation edges.

6/25/77 Epy Riders not in sight - but USCG reports
 SATURDAY they are in area. Found wood chair at
 end of SP.

Note that I have only on rare occasions
 seen a male chase a female out to bask.
 Most are solitary emergences.

Saw two spotted boys off of sandpoint.

9. Note that percent of turtles (or egg
 deposition) using each area would
 be useful.

→ Note - that a walk through Tern colony
 on East revealed very few eggs.
 What has happened this season?

6/25 PM -
 6/26 AM

Low tide - exposed reef has resulted
 in some turtles being stranded on reef flat
 after sunrise (sunrise ~ 6:20 AM) Starting
 observed large shark charge in and
 eat black-footed roosting on water.

There are two sharks present - one noticeably
 larger than other. Observed large shark
 often go for black-footed, but bird saw it
 coming and flew off in time.

Both sharks made wavy passes into
 sheltered area adjacent to island - often
 "bottoming out" on sand and having to push
 hard with tail. Large shark slightly more
 cautious than smaller one. Passed over

NOTE: Shark scars indicate that sharks did not

6/26
SUNDAY

successfully kill seals.] ^{same rationale with turtles}
wade by waning pup on beach and
several weaned pups sleeping on beach
rock. Large shark tried to go after
two clad - no luck. Fish didn't seem
alarmed. I threw bottle in water -
large one swam over to investigate - photo
taken.

→ Notes: Consider that sharks by
islands are rogues - not normal
feeding behavior. Aberrant sharks.
→ Consider that many pups were weaned,
but apparently none have turned
up in stomach of sharks fished
by Easy Riders. - also no albatrosses
(but shearwaters?). Recall that seal
was put on endangered species list
siting "shark predation".

Note: that no reproducing turtles have
been observed as yet. (next day 6/27 at 3:00 PM)

~ 8:45 AM both sharks left shallows,
but again seen around patch reef -
also one seen as I left for Tern
(from boat) - swam "out" and deeper.

EASY RIDER ACTIVITY - on morning of
Friday 6/24 they brought in shark
line set (location near Tern), found one

6/26
Sunday

Tiger (female) - planted transmitter
about 18" below dorsal fin on right
and commenced tracking. Tracked for
48 hours 10 minutes - It mostly stayed
out of shoals to West - 100 to 500 feet -
made two big circles.
Why didn't it come in close to islands
for prey? ^{POSS.} ① Not all sharks do this ② It was
chased ③ It was stressed ④ It wasn't hungry
⑤ Pregnant, for other physiological reasons.

at ~ 10 AM I went to Fern Island for
food, etc. Talked to ER - told about
turtle parts. Tried to go to ER
at about 1 PM, but found battery completely
dead. Also noted that there is no cable,
other shark fishing gear in quarters.

Charged battery, and arrived at ER
~ 3:30 PM. They had made two SCUBA
dives - Feighton has coral sample from
→ head - also reports that shark cage
is in pieces. Aerospira sp.

Examined whole, juvenile turtle (detached
front right limb). Looks fairly recently
swallowed. Removed plastron - epiploic
stomach - very little contents - lots
of pink ~~coral~~ coralline alga (?). Preserved
in dilute formalin.

Question - Where did Shark get Turtle?

6/26
SUNDAY

6/27
MONDAY

11:3

6/26
SUNDAY Same shark also had plates of very large turtle (with some bone attached). Where are other portions (head, limbs, etc) of large turtle, ① digested ② eaten by other sharks ③ regurgitated while on hook (not likely because other turtle (whole) still in stomach)
possible that carapace plates help to "protect" underlying bone from digestion.
Note by Noftel/Taylor on turtle -
"Shark #9, PFS 6-24-77"

Reported that shark was hooked in belly.

- Consider - Use of "poison" log for turtles to help select against turtle-eating sharks.

- Consider - preparation of casual report on all of my shark observations.

6/27
MONDAY

at sunrise, I threw out weighted live hook tied to Round Log (now in area 11-12 again this summer). Saw smaller of tiger sharks several times "working" edges of reef. Several gooneys in water, but no attacks. No interest seen in mackerel that was used for bait.

11:30AM

C-130 USCG flew over shoals a few times. (w. Pacific Fishery Council trip to Midway?)

Easy Rider came off SW reef - Leighton-Jim brought lunch in close and took photos.

6/27
Monday

Frigate bird bank East Is 757-36191

Excavated bones, plates, skull from between distiller - incomplete - this must be very old - I don't ^{remember} ever seeing it before. Noted that bones were very decomposed - looked like fine roots growing in center of bones. Filled in distiller with junk and large coral chunks.

Question - Does eropace color pattern ^{color/pattern change with exposure to sun 6/17?} ~~blend~~ blend together, in adjacent plates?
 Note - Many shearwater eggs seem to be right on the ground.

I observed two juvenile turtles feeding on East reef - school of shark nearby - one shark went by turtles - none seemed to pay attention to one another.
 Recall observation of juvenile seal swimming by tiger shark off East.

observed mother seal trying to "chase off" looking turtle - turtle didn't move very far.

at SEP - observed turtle defecate in water - seems to be some small floating green particles.

6/27
236/28
Tues

06

~9

6/27 Copulating pair locked together at water's edge in
2330h area 12. Photos.

6/28 Note that black-footed albatross adults have
Tuesday white feathers around bill - generally all much
lighter in comparison to November.

0610 - Seal swimming around in cove -
Seal pups play with sticks and ropes.
Shark line put out with dead albatross -
Both sharks present - appear to be same ones.
Shark circled bird several times and swam
away. Large shark in close - threw line
w/ bird - shark turned around rapidly and attached
nose up, mouth open - bird in mouth -
a few quick turns made - bird spit
out and shark swam away and out -
no cuts visible on bird (note that bird
slightly putrid - smelled). Fresh bird
put on line, thrown out when small shark
came by (attracted by throwing rocks). Shark
looked at bird and swam off.

→ Nesting turtle in area 9/8 dug into
previous nest, however ^{all} eggs appear to be
infertile.

~930 - To Fern for UW housing. Informed
that two nights ago turtle came up by
club-paint locker and dug three holes.
Had lunch and departed for W-5.
Observed copulating pair and two males
quite aways offshore of W-5. on back side

6/28
Tuesday

of whale-skate found dead floated
decomposing sub-adult (green hair).
Rolled it up beach and buried with
green plastic over. note - Not found during subsequent expeditions - wash away? 6/6/78
Drove along backside of W-S with
camera in Thousing. Noted that there
were no basking turtles - possibly
due to decomposing seal (?). Water
in shallows is a lot warmer than
that filtering in between coral heads.
In "sheltered" area immediately saw
→ turtle with blue tag on flap and
turtle with two metal tags on
right limb. also saw turtle being
"cleared" and "clearing station".
out further observed turtle on
bottom of sand/silt - some was
on its shell. Many photos.
also possible observation of adult
feeding.
Returned to EAST - Skip and Leighton
visited to discuss plan for
catching shark tomorrow morning.
Easy Rider anchored to South West.

6/29
WEDNESDAY

Skip and Jimmy brought shark line
over and set it near edge of patch reef -
They saw the two sharks when setting
gear. Caught one gray only.

6/29
Wednesday

6/30
Thursday
early
morning

6/29
Wednesday

If sharks are the reason for turtles' land basking, why aren't they hauled out during early morning? Less attack by sharks may be one of the benefits of land basking, but not a cause.

anchored behind Wharf-Skate, spent afternoon swimming with and photographing turtles. Some males swim right up very abruptly, and then depart rapidly. Some females allow approach, provided it is very slow and not aggressive.

The coral heads are very picturesque and much live coral at some sites. Several turtles were seen in holes or "roosting" in depressions. Two females were found resting on sand/silt bottom. (photo?) of monk seal and pup, but mother ^(Righty Regis?) advancing toward me. Pup showed no fears.

Question - where are all the other turtles?
ARE NOT ASHORE, and were not seen in-water (nearshore)

TO Term for Bar-B-Q steak dinner cookout. Called Lin ^(BRIOR) via Danell in Visalia, in California. Report that Admiral will be flying out. (Had talk about "ENDANGERED" STATUS OF SEAL)

6/30
Thursday
early morning

Skip, Tim, Jimmie and Leighton came to watch for shark - small one showed up for awhile. When they checked spark line it was found that ~~was~~ 7-8 foot Tiger was on - they marked it by

14 - send Naftel food check
- Turtle specimen is on EASY RIDER.

6/30/77 cutting flat section of caudal and dorsal.
Bought Leighton's battery and
noted to Tern to recharge battery
(short screws in system causing discharge).
Leighton and Tim will stay on
Tern and wait for C-13, July 3 or 4.

EASY
RIDER
DEPARTED
AFTERNOON
FOR NECKER
BANKS

I got them settled and returned to
East via Trig. found gray reef
on line - Total length - 65", precaudal 51"
5 finger length young. Stomach empty (said).

Notes - If basking is stimulated by
sexually aggressive males, why don't
the females continue to bask
at night?

Good opportunity
for predation on
nesting turtles
going ashore
and returning

Do tiger sharks feed at night? not
that turtles usually don't haul
out till later in the day (early
afternoon).

LOCATIONS

Capturing shark to retrieve turtles
could give info on sex of turtles, etc.
note that two smaller turtles were
seen ^{today} just off Tern by boat hoist.

Note - that a lot of sand shifting
has been seen the last few days -
cutting of sand bar on Trig and Mullet -
the seems to be due to rising tide (?)

* → Note that SLP turtles are really
wild turtles that were reproductively
removed from population.

7/1/
Friday

ANSWER

7/2
SAT

7/1/77 Early morning observed seal traveling along reef
Friday edge where tiger shark is often seen.

Note that birds flap in the morning as sun rises - wind blows - they fly toward the sun. ^{Sometimes paddle back.}

Good question

ANSWER - YES

Note that ^{turtles} lack of fear with seal may indicate prior contact. Question: Have adults ^{previously} been recovered in major islands previously been identified as baskers.

Note that birds have squid in them (perfect shark food by some species?). Spent most of day sleeping. Eagle Rays all around island mating (?).

7/2

SATURDAY Note - that I listened to interview with old timer Robert Kealoha on KVAI - resident of Hanalei from 1912 - 1930's or 40's. He described ceremony of throwing burning wood ^[FIRE BEARD] into the sky - wind carry it ~7 or more miles out to sea to West. He is knowledgeable about fishing - also mentioned that people were living in Kaalau. Also you should check on Opuunua (?) valley spelling / connection with W. Samoa Islets!

Consider that Polynesian travelers may have followed turtles as a navigation aid.
Harnessed to canoe? 6/6/78

Consider that absence of basking on Tui may be due to activities of DMSA ^{agency} - check this out.

7/2
Saturday

Predator - Prey relationship -
Geizertanner home phone - 262-6390
Whittow home phone - 537-2336

FFS → NNØ-NCS Darrell ^{visalia, CA} → NNØ-IKX

TO Tern Island, phone patch with above
and inflated trailer tires. Returned via
Trig and W-S cove. Made a juvenile
recovery from shore on EAST.

7/3
SUNDAY

Admiral's C-130 came at ~ 4 PM -
broke camp and departed for Honolulu
with Leighton Taylor, Tim Harris.
Picked up at airport by Lin and Alan Kam in
state car. Drove Leighton and Tim ^{Kam} Tricos home.

9/22
THURSDAY

0830
9/22/77 THURSDAY ^{get*} Departed Barber's Point with Causey Whitton for FFS - C-130/372" - flew over Nihoa and Necker to take photos - Pilot Ed Seal would like prints of islands - he has been here two years. Arrived FFS and flew over Tern, Round/^{small}millet, Shark (10-12 seals) (island small), East (Photo).

Upon arrival met by ^{Mr.} Sarcaster and ^{ET Chief Benner} Tim Harris - 3 people from the University of Texas were here for a few weeks - left last Thursday on C-130. Had computer, watched rocket launch from BARKING SANDS. They got here by chartering (Rainbow Air) Twin Beechcraft. It flew out as Coast Guard charter about 4 times.

Tim Harris reports that lights at West end of island were turned out shortly after his return. Also reports that about 5-6 dead (dried up?) hatchlings were found on Tern. Several others found alive and returned to ocean. John ^{of (1974)} here for short duty. Said that they used firecrackers and threw Sooty Tern eggs in water. During afternoon, I patched Boston ^{MARINE} ^{TEX} whaler, cleared things up, and put some bottom paint on. Note that short in engine requires that a battery cable be

9/22
THURSDAY

disconnected.

WALKED Tern Island - noted
 2 pits (success unknown)
 at beach area where boat is
 sometimes anchored off of.

Along south side of island
 (27 pits) seals to east, (11 pits) seals to west
 noted - all perhaps 3-4 weeks or older.

9/23/77
FRIDAY

Launched boat and motored to Trig ~ 1 PM -
 offshore - no baskers - Island is green.
 Motored to W-S, anchored; no small
 turtles seen offshore. Walked around
 island - no baskers.

A 2:33 PM #1 turtle started to come out
 but turned around. Came all the
 way out at 2:40 PM - Waves hit

third limbs only for a short time.
 Two other turtles noted offshore.

Took first reading with radiometer at
 3:50 PM - second one about an hour later.

This turtle previously tagged 1212 -
 Tail looks slightly short for a male.

Reading both sides of shell were
 30-31°C. Turtle never moved except
 for raising of head for what were
 thought to be breaths - very little
 lower jaw movement. Eyelids open and
 shut frequently. Consider that this

or
 Burial of
 2 seals by USC9?

Light color
 piece of
 lamina found
 on W-S.
 decomposing

{ 110 mm
 240 mm

9/23
FRIDAY9/24
SATURDAY

cut
 left PC

{ 2:55

{ 1:17

9/23 maybe a different "kind" of breathing -
FRIDAY shallow? Dparted W-5 about 5:30 -
turtle still out. another turtle started to
go ashore - but went back.
Went by brig on way back to Tern-
5 Baskers - one in the water. 3 facing
in, two facing out.

SEAL NOTE - If ^{SEAL} pups stay around, what
happens to those born on Round, EAST
as winter season progress.

9/24/77 TO Trig about 11:30 AM. Motor would not
SATURDAY idle - cable control slipped set screw.

(W)
↑ cut by
LEFT PC

First turtle ashore 12:05, small female,
tag on RFL. Watched intensively by W/H/Haw
and me - Bulb thermometer set up on beach.
Turtle shifts head alot, eyes open alot.
Breath holding recorded. At about 2:30 PM
a few swipes of flippers were taken - sand
along side of shell - few grains on top. At 2:15
turtle pivoted on 25° to West.
At 3 PM radiometer reading taken - 34°C.
Turtle saw us and retreated very quickly
back to the water - swam quickly off shore.

{ 2:55 min

Second turtle hauled out at 2:35 PM -
Brown shell, female, first size TMR on
left shoulder front - photos! ^{RFL}, breath
hold at 3:25 - 8 min. 39 sec.

{ 1:20 min

Radiometer reading at 3:55 PM - 33°C - Tagged
2396 RFL

- Boat need - Filter for bowl
- Paint for inside
- Tubes for sig - 480 - 12 Tubeless
- EXTRA FUEL LINE
- EXTRA BATTERY

9/24/77

I observed second turtle bob head up and down for several minutes - got the impression that it had burped up something.

9/25 SUND

9/25 Sunday

TO W-S via Trig - no baskets on Trig at 11:30 AM.

FREQ June

Setup bulb thermometer - photos. Walked around island for seal count; - Noted turtle #1 ashore at NW point estimated 12:20 PM. - this animal was not there when we returned for rookery at 3:30 PM.

29 APR 2002

Facing opposite to shore line

Turtle #2 assumed ashore sometime after 1 PM - breath holds taken - photos (tel and reg. lens of plastron)

Radiometer reading at 3 PM

carapace 38°C; plastron 29°C; Cloaca 28°C at depth of 60 cm; LH limb 34°C; tail 30°C

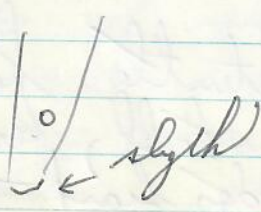
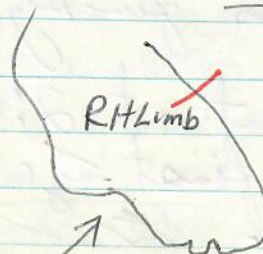
Turtle turned over and tagged 2397 RF, 2398 LF, 2399 LFL - male 27 5/8 PL, 26 3/8 width.

70.2

67.0

1/9 short

RFL



check this animal for I.D. with previously tagged.

Emergen area - 3

6" down surface of beach slope -

29 APR 2002

9/25/77 Turtle #3 emerged about 3:15 PM, Breath
 sunny holds taken, photo with TEL - Roll #3
 (after #4 mouth open) -
 Radiometer at 5:10 PM -

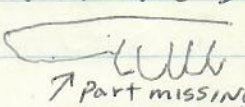
FREQ 351
 June 1980

28.1°C cloaca with telethermometer - depth
 Adult male previously tagged 1160 RFL -
 additional tags - 2400 RFL, 2401 LFL

PL - 26" ^{66.9} / Swidth - 25 1/2" ^{64.9} / TAIL 17 1/2" ^{44.5} /

Gular puffing nostrils ^{64.9} noted - put thumbs over
 RHL saliva - very little air
 L expulsion.

TURTLE #4 Big, thick apparent female.

First observed considerable distance offshore
 moved in quickly with male attempting to
 mount. Rejected. Photos on roll 3 of coming
 ashore. Mouth opened wide several times
 fluid came out. L Flimb  ^{part missing}

(This turtle returned to water when we
 approached #3 for reading and turning.)

Emergence
 area - 32°C

6" down 29°C
 surface
 of beach
 slope - 29.3°C

Noted area by landing where hatchling had
 recently(?) come out - Excavated and found
 several barely alive - several dead and
 rotted - Saved coral chunk with hatchling
 head inside. At Southwest end of
 island, noted depression - several inches
 under was located 2 hatchling heads,
 apparently ready for emergence. Photos on
 roll 3.

(CONTINUED ON PAGE 71)

Seal Notes -

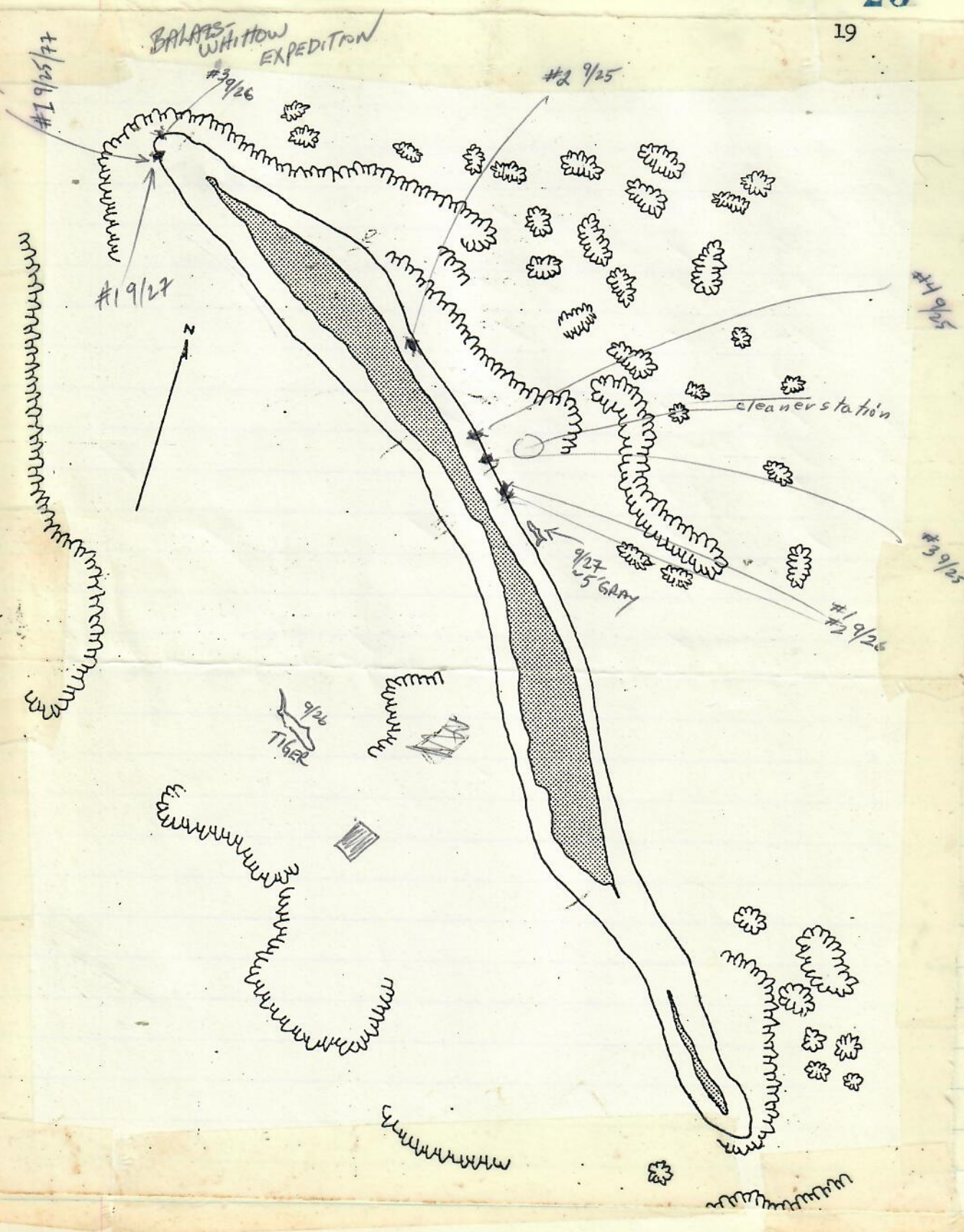
Need to Assemble data -

1. Seasonal counts/size classes
2. Pup production
3. Tag recoveries
4. Day/night counts
5. Scanned animals
6. Sizes of tagged animals

OBJECTIVES OF THIS EXPEDITION -

National Geographic grant project - Thermal ecology of basking

BRAVES WHITLOW EXPEDITION



King

24

29 APR 2002

TC-1 ✓

SCL=87.0cm ✓

S-34 1/4 x 27 7/8 ✓

70.6

TAGS-

2244 LFL ✓

C-35 7/8 x 32 1/4 ✓

91.1 ✓

81.9 ✓

Date/Time	AREA	Activity	Remarks
6/24/77 12355	6 ✓	N ✓	
6/25 730	5P ✓	Swimming across extreme end	
6/26 AM Allnight	5/6 ✓	N ✓	
6/26 AM 2230	6-7 ✓	N ✓	
6/27 0530	6 ✓	N ✓	
6/27 1500	SEP ✓	BASK ✓	
6/28 0015	6 ✓	N ✓	
6/29 0200-0600	5+6 ✓	N-LAY ✓	
7/2 1830	SEP ✓	BASKING ✓	11th marginal night photo

6/16/81 - East-N ✓ NO. 115 ✓

Date/

6/24 ✓

6/25 ✓

6/27 ✓

6/27 ✓

6/28 ✓

7/1 FRID ✓

7/2 ✓

6/21 ✓

TC-2

89.8 cm

S - $35\frac{3}{8} \times 27\frac{3}{8}$

corrected
7/5/80
GHB

TAG NOS.

25

~~2209 LFL~~

~~2210 RFL~~

3807

29 APR 2002

C - $38\frac{1}{4} \times 34\frac{1}{2}$

97.2

87.6

Remarks

Date/time - Area Activity

~~6/24/2358~~ 5 N

~~6/25/600~~ 5 N-LAY

~~6/27/1400~~ SEP Basking

~~6/27/1700~~ SEP Basking

~~6/28/1900~~ SEP Basking

~~7/FRIDAY/1800~~ SEP Basking

~~7/2/1830~~ SEP Basking

//////

~~6/21/79~~ 1 Lay

Tag 2/10 in existing hole - TAG ^{PRE?}

S-

C-

<u>Date/Time</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>
6/24 1155 ////////////////////	1	N	

TC-4 //

90.5cm //

S - $35\frac{5}{8} \times 27\frac{5}{8}$ $\times 10.2$ //

TAG NOS. //

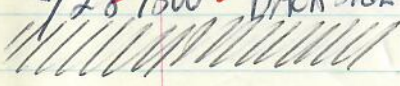
~~2205 LFL~~
~~2206 RFL~~

27

29 APR 2002

C - $37 \times 35\frac{3}{4}$ //
94.0 94.8 //

<u>Date/time</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>
6/25/100	17	N-LAY	2.5ml BARNES 1st marg left LAY.
6/26/1000	West Reef - off (EAST)	swimming	
6/28/1500	BACKSIDE	Whale skate	seen swimming underwater



TC-5 ✓
94.6cm ✓
S-37 1/4 x 29 1/2 ✓
TAG ✓

Corrected
7/5/80
GHB

TAG NOS -
2211 LFL ✓
2212 RFL ✓
C-38 3/4 x 37 ✓
98.4 ✓ 94.0 ✓

<u>Date/Time</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>	<u>Date/Time</u>
6/25/100 ✓	17 ✓	N ✓		6/25
6/25/730 ✓	17 ✓	N-LAY ✓		6/27
// // // // //				
6/23/80 ✓	6-7 ✓	East ✓	TC 41 only 2212 RFL present (3643, 3644 new)	6/29
// // // // //				

TC-6

TAG NOS. - 29

S -

C -

<u>Date/Time</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>
6/25 300	2	N	
6/27 1700	SEF	Basking EAST	Rhind limb $\frac{3}{4}$ missing + portion of carapace
6/29 1300	Behind Whale skate	- observed swimming	

//////

29 APR 2002

TC-8
94.3 cmS - $37\frac{1}{8} \times 27\frac{1}{2}$ ^{vac}

3702

TAG NOS -

2207 LFL

2208 RFL

C - $38\frac{1}{8} \times 35\frac{1}{4}$
96.8 89.5

<u>Date/Time</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>
6/25/77 360	1	N-LAY	LAY

6/13/81

East - N

No. 107

32

30 APR 2002

TC-10

99.4 cm

ENT. #241

S - 39 1/8 x 29 1/4
74.5

TAG NOS-

2213 LFL

2214 RFL

C - 41 1/4 x 37

104.8 94.8

Date/Time	Area	Activity	Remarks
6/25 730	17	N-Lay	LHL 1/2 miss
6/27 1700	SEP	BASKING	
6/30 1900	SEP	BASKING	
//////			

DATE

6/26

7/1

7/1

//////

6/17

TC-11

87.6 cm

S-34 1/2 x 25 3/4

65.4

TAG NOS.

~~2216LFL~~

~~2217RFL~~

33

30 APR 2002

C-36 x 34 3/8
91.4 87.3

DATE/TIME	AREA	Activity	Remarks
6/26 300	5/12	N-Lay	Sml TMR under shoulder
7/1 1800	SEP	Basking	
7/1 2300	SEP	still Basking	
//////			
6/17/79	6	Lay	TC4
		+ Basking many times	

34

30 APR 2002

TC 12

93.7cm

74.9

S - 36 $\frac{7}{8}$ x 29 $\frac{1}{2}$

TAG NOS -

2218 RFL

2219 LFL

C - 38 $\frac{1}{4}$ x 37

97.2

94.8

<u>Date/time</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>	<u>Date</u>
6/26 2030	8	N? stuck upright between Distiller	L front limb 1/2 off - turtle exhausted - Dried blood from R claw - Bird droppings on shell. Old bones/skull in slot.	6/26 6/27 6/27 7/1
6/27 1700	SEP	BASKING		935-
6/29 2300	5	N		
6/30 2230	5	N		
7/1 0530	5	N		
7/2 2300	6	N		

6/16-6/27/80 nest/Bask - east TL-6

TC-13

92.1cm

S - 36 1/4 x 27

68.6

TAG NOS - 35

2229 LFL

30 APR 2002

C - 38 1/2 x 35

97.8 / 80.9

ff-
ried
rd
ld

Date/Time	Area	Activity	Remarks
6/26/2230	8	N	
6/27 1400-1700	SEP	BASKING	
6/27 2345	6	N-Lty	
7/1 FRIDAY 1800	SEP	Basking	Spans 1st lateral left and right looked flatter and goldier than others

//////

935-3830

Roverly - Howard Takata's secretary "Pat" (MSP) - Hilo, received call on 7/3/78 ^(MORNING CALL) from man who caught turtle tag 2229. HUMB 96744 - first said taken at Koleke - later said Lelewi Park (in close) ^{"shallow AREA"}. DNR said release it was illegal. Man originally wanted to know what to do with the turtle. He said he would take one tag for a souvenir and release turtle. Reported length at 36 inches - weight 270-300lbs. Seemed to know alot about turtles. He was told that it was tagged in Kaneohe Bay. Attempt will be made to locate man so I can interview him.

36

30 APR 2002

TC-14 ✓
92.1 cm ✓
var. ✓

S - 36 1/4 x 27 1/4

TAG NOS. ✓

2223 ✓ LF ✓

2224 ✓ RFI ✓

2225 ✓ LF ✓

C - 38 1/2 x 36 1/4

97.8 ✓

92.1 ✓

Date/Time	Area	Activity	Remarks	Date
6/26 ✓ 1220 ✓	6-7 ✓	N ✓	Right Front limb short	6/27 ✓
6/27 ✓ 0200 ✓	6 ✓	N-Lay ✓		7/1 ✓
7/1 ✓ 1800 ✓	SEP ✓	Basking ✓		6/29 ✓
7/2 ✓ 1830 ✓	SEP ✓	Basking ✓		

6/6/81 ✓

East-N ✓

No. 108

TC-15
93.5 cm 75.6
S - $36\frac{7}{8} \times 29\frac{3}{4}$

TAG NOS- 37

2227 LFI
2228 RFI 30 APR 2002

C - $39\frac{3}{4} \times 36\frac{3}{4}$
~~101.0~~ 93.3

Date/Time	Area	Activity	Remarks
6/27 0200	15	N	
0530	15	N-LAY	
7/1 FRIDAY 1800	SEP	Basking	
6/29/80	14 (also 6/17/80 A13)	EAST	(3609 new 3rd scale left)

38

30 APR 2002

TC-16
924cm

S-36³/₈ x 20

71.1

TAG NOS-

2221 LFL

2222 RFL

C-37³/₄ x 35

959

889

Date/Time

Area

Activity

Remarks

~~6/27 0100~~

~~6~~

~~N-LAY~~

6/19/80

6 EAST

only 2222 present

Date

~~6/27~~

~~6/27~~

~~6/28~~

6/18

TC-18

90.1cm

S - 35 3/4 x 29

73.7

TAG NOS.

2235 LFL

2237 RFL

ql.5

39

30 APR 2002

ql.4

C - 38 x 36

Date/Time

Area

Activity

Remarks

6/27/79 0700

6

N

6/27/79 2315

12

N

6/28/79 0200-0430

12

N-Lay in 11

TAG ~~2236~~ lost in soil

//////

6/18/79

7

N-Lay

+ 3145

40

30 APR 2002

TC-19
86.4cm

68.3

S-34 x 26 7/8

TAG NOS. -

2226 LPL

91.4

84.5

C-36 x 33 1/4

TC

<u>Date/Time</u>	<u>Area</u>	<u>Activity</u>	<u>Remarks</u>
6/27 0500	SP	N-LAY	Probably didn't take place
6/27 1700	SEP	Ditching	
6/28 0200	Sand point	N	
6/29 0200		N-LAY	
7/3 1500	Sand point	Basking	
//////			

DATE/
 6/27
 6/28
 7/2
 ////
 6/22

TC-20

94.3cm

68.6

S - 37 1/8 x 27

TAG NOS - 2332FL 41

2234 RFL

99.1

88.9

C - 39 x 35

30 APR 2002

DATE/TIME	Area	Activity	Remarks
6/27 0500	6	N	Right side of carapace deformed - indented
6/28 0430	2	N-Lay	width measurements taken just posterior of deformity.
7/2 1830	SEP	Basking	Part of Flap missing
6/22/86	6	ERST	TC37

42 TC-20

TAG NOS. 05-5T

TC

S-

C-

<u>Date/Time</u>	<u>Area</u>	<u>Activity</u>
6/28 0015	6	N
6/29 2300	4	N

Remarks
Two turtles spray TC 20

Date
6/28

TC-21

889cm

W.D.

S- 35 x 26 1/4

TAG NOS -

2230 LFL

2231 RFL

1560⁰

43

APR 2002

C- 37 1/4 x 33 1/4

94.4

94.5

Date / Time

6/28 0200

Area

6

Activity

N-LAY

Remarks

cluster of 4 barns & single on
2nd lateral right; cluster
of 3 barns 2nd lateral left.

44 TC-22

TAG NOS -
2232 LF

30 APR 2002

96.2cm

74.3

S - $37\frac{7}{8} \times 29\frac{1}{4}$

C - $40\frac{1}{2} \times 38$

102.9 96.5

Date/Time	Area	Activity	Remarks
6/28 0430	Sand Point (SP)	N-O Lay	Right flap missing - only one egg part seen.
7/2 1830	NEP	Basking	photo
6/28/79	cost	Bask	added tag 3248

Date

6/28

//////

TC-23

No. 68 90.1cm

S-35³/₄ x 29⁷/₈
90.8cm 75.4

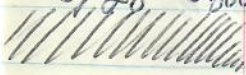
5441

TAG NOS
2238 LFL
2239 RFL

45

30 APR 2002

C-37¹/₂ x 36¹/₄
95.3 92.1

Date / Time	Area	Activity	Remarks
6/28 0500 	1	N-LAY	

46

30 APR 2002

TC-24

TAG NOS-

~~2240~~ RFL

3231

S-

C-

Date/Time

Area

Activity

Remarks

~~6/28 0700~~

~~5~~

~~N-LAY~~

photos ~~ASA25~~ - Measurements
NOT TAKEN

Date

~~6/28~~

~~|||||~~

~~6/25/79~~

~~5~~

~~N-LAY~~

+ 3231

~~6/13/81~~

Recovered EAST

NO. 73

+ 5384
5311

TC-25 //

82.9cm

S-32 ⁵/₈ x 23 ⁵/₈ //
60.0 //

TAG NOS. - 47

2241 LFL
2242 RFL 30 APR 2002

C- 34 ¹/₄ x 32 ³/₄ //
87.0 // 83.2 //

ments

Date/Time

Area

Activity

Remarks

~~6/28/2330~~

~~12~~

~~N-Lay~~

6/10/81

EAST-N

NO. 109

48

30 APR 2002

TC-26
92.7cm

S-36 1/2 x 28 3/4

73.0

TAG NOS-
2243 LFL

C-39 x 36 1/2
99.1 92.7

Date/Time	Area	Activity	Remarks
6/29 0700		N-LAY (EAST)	2 small tumors on left side of neck
6/29 1300	behind whale skate	observed at surface	

Date/

6/29

6/30

6/30

7/1

7/2

6/24

TC-28

92.7cm

S - 36 1/2 x 27 1/2

699

3228

TAG NOS: 49

2253 L FL 30

2254 R FL

APR 2002

C - 39 x 35 3/4

901 908

week	Date/time	Area	Activity	Remarks
	6/29 0430	5	N	
	6/30 0500	5	N	
	6/30 2230	6	N	
	7/1 2230	6	N	
	7/2 0200	6	N-LAY	
	6/24/79	5	N-Lay	+ 3228 new

50 TC-30

30 APR 2002

S-

10/29

TAG NOS -
2245 RFL
2246 RFL

TC-

C- 38 3/4 x 36
90.4 91.4

Date/Time	Area	Activity	Remarks
6/29 0430	6	N	
6/29 2300	12	N- LA	BR modes
6/30 0200	12	N-LAY	

DATE
6/30

6/23/80 - 6 ~~Est~~ 2245 off - saved
 (new 3634L 3rd scale; 3645RFL)

TC 31

TC-31

93.7cm

73.4

S-36 7/8 x 28 3/4

TAG NOS-

2247 RFL 51

2248 LFL

80 APR 2002

C-38 3/4 x 35 1/2

90.4

90.2

DATE / TIME

6/30 0200

//////

Area

15

Activity

N-44

Remarks

Small TMR Ls boulder
near flap. Top
2248 close to edge

30 APR 2002

TC-33
93.7cm

S - 36⁷/₈ x 28¹/₈

71.4

TAG NOS

2259 LFL

2260 RFL

C - 38³/₄ x 35³/₄
98.4 90.8

TC

Date/Time	Area	Activity	Remarks	Date
6/30 0500	4	N		6/30
6/30 2230	6	N		6/30
7/2 0230-0400	6	N-LA	Barroche 2nd lat left	6/30
7/2 1830	SEP	Basking		6/30
5/5/79	SEP	Bask	2259 LFL	

TC-34 //

100.3 km
S- 39 1/2 x 29 1/2

TAG NOS -
2249 LFL
2250 RFL
3594 C-42 x 38
01 MAY 2002
53
alt. 5

ts	Date/Time	Area	Activity	Remarks
Left	6/30 0630 6/30 0630	5	N-LAY	L Hind 1/2 miss part of Right Flap missing Some confusion on tag # - appear correct

6/30/77

S.P. End
only 2249 present (3594 new)

54

01 MAY 2002

No. 160

TC-35
96.5cm

72.1

S-38 x 28 3/8

TAG NOS -

2251 LFL

2252 RFL

C-39 1/2 x 36 1/2
100.3 92.7

Date/Time	Area	Activity	Remarks
7/1 0200	34	N-LAY	hind 1/2 missing; Pcs

TC 49 / 6/11/82

East - N

No. 160

TC 35 / 6/15/85

EAST - N

" "

TC-36

• 93.3 cm

S- $36\frac{3}{4} \times 29$ 73.7

TAG NOS - 55

2273LFL

01 MAY 2002

C- $38\frac{1}{4} \times 38\frac{1}{2}$
97.2 / 97.8

Date/Time

Area

Activity

Remarks

7/1 / 0230

8

N

thought she had laid - but hadn't

7/1 / 2230

7

N

7/3 / 0200

5

N-Lay

Second set measurements

S ($36\frac{7}{8} \times 30\frac{1}{4}$)

93.7

70.8

C ($38\frac{3}{4} \times 37\frac{1}{2}$)

90.4

95.3

56

Tc-38

01 MAY 2002

90.2 cm

699

S- 35 1/2 x 27 1/2

TAG NOS- 11

2255 LFL


2256 RFL

TC

C- 37 1/2 x 36

95.3

91.4

Date/Time	Area	Activity	Remarks
7/1/2230	5	N	RH 1/4 miss; LH 1/2 miss
7/2/0130	6	N-LAY	RFL  Right Flap part missing
8/28/79	5	N	tag 2256 gone applied 3266

Date

7/1

7/2



TC-39

95.9 cm

75.0

S-37³/₄ x 29³/₄

TAG NOS

57

2261 RFL

2262 LFL

01 MAY 2002

C-39³/₄ x 37¹/₄

141.0

94.6

Date/Time

Area

Activity

Remarks

7/1 2230

6-7

N

3 large barnacles
marginal right; 1st-2nd

7/2 0230

6

N-LAY

1 barnacle left
1st-2nd marginal

ssing

//////

58

TC-40

TAG NOS-

S-

C-

Date/Time

Area

Activity

Remarks

Date

7/1 1300

NEP

N

Large TMR Right dorsal limb (Proximal)

7/1

7/2

7/2

7/23

20

TC-41
No. 289940cm

S-37 x 28 71.1

TAG NOS 59

2263 RFL

22642 FL

01 MAY 2002

C-39 x 35 1/2
99.1 90.2

Date/Time	Area	Activity	Remarks
(Proximal) 7/1 2300	9	N	
7/2 0130-0630	9	N - NO LAY	Big Barnacle 3rd lateral right
7/2 1830	NEP	Gasping	LHL
7/2 2300-0630	17	N-LAY	
2263 / 6/21/85 EAST 9334 (new)			