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DEAR GEORGE:

30 MARCH 1982

Greetings from Schlemmer Land, or should I say
Kam's (Gilligan) Island? It's been quite awhile
since I've been in civilization and sometimes I
really miss it, especially the music and contact
with people. But since I'll be here for six months
I will have to grow up and deal with it. Egads!
I miss getting into my truck and going surfing
or scuba diving, or even down to the Haagen Dazs
for an ice cream. George have a nice, cold, icy
margarita for me when I get back. Well, back
to expedition talk. Doris and I were able to
get off the Toonseed Cromwell on 15 March
at the NW landing beach, at the cove, right
in front of the ironwood bush. From 0800-1100
we got off all our gear, in calm seas - though
a lot of the boxes got damp (must pack them
earlier and better!) Set up camp by the concrete
benchmark, put together the radio and just like
magic - LAYSAN MONK SEAL / TURTLE PROJECT 1982
is in operation. Sure could have used more sand
stakes those first couple of days, winds the next
day and breaking waves closed out the boat
channel, conditions seemed precarious for the
main tent. It looks like a spiderweb, the
reinforcing lines are staked 3 to a pole to
take up stress from different directions and

the line I had to use, it would be best used wrapping postal packages. One of the Sears Hillary brand tents collapsed as a supporting pole and cross-piece snapped in the high winds. I finally put it back together again yesterday, hope for the best. Food is okay, but I don't know how to use 6 bottles of Red Devil and green jalapeños just burns the aluminium cookware. How can people eat such stuff. Aside from that I'm doing pretty good, losing weight from so much walking; so dinner is a big meal. Luckily we have a propane refrigerator to cool the film and beer, and juice - Foods no problem.

Well, Doris so far has been a pretty good expedition partner, though she invests a bit too much time to make seals than to success of merely existing out here. Perhaps that is why Gilman hired me? She is quite easy to get along with, and laughs at my cynical, biting, island-type humor so guess all can't be bad. She knows her marine mammals and works with the monk seal, though new to her, is done with an exactness and enthusiasm that can be catching.

She is constantly amazed with the island ecosystem, interested in birds, fish and even turtles. We haven't had too many problems yet, and when we have, they have been rationalized and solved. So all in all, kids has given me a fair shake.

So far, I have only made 4 circuits of the island. Enclosed is a map of the area that I found sea turtles to be utilizing to my observation. There may be more, and as soon as weather conditions permit a more comprehensive survey of nearshore waters I will get more complete results. So far I have tagged 12 turtles

5876 RFL, 5877 LFL (S) 44.2 x 37.3

5878, 5883, 5882 (S) 89.1 x 69.3 ♂

5879 (S) 86.3 ♀

5880, 5881 (S) 64.1 x 51.8

RECAPTURE

3580 RFL (S) 91.4 ♀ massive scars on 3, 4, 5
Centrals, notched 11th marginals Rt and Left, and
missing distal ends of 1, 2, 3, 4 digits on
Left Hind flipper

5884, 5885 (S) 41.5 x 36.5

5886, 5887 (S) 61.5 x 50.0

5888, 5889 (S) 90.0 ♀

5890, 5891 (S) 49.5 x 38.5

5892 (S) 90.3 ♂

5893 (S) 86.2 ♂

and # 5897, 5898

5894 (S) 84.2 ♂

5895, 5896 (S) 48.2 x 40.2

The measurements are incomplete because I still have some measurements of (C), PL, Head, Tail in my books, along with any major physical deformities. So this is just some preliminary data. ⊕ Note: measurements (straight) using the HOEGS tree calipers in the tenths place were estimated by me in respect to .6 rather than .5 or such. For all the smaller turtles that I handled, the tags were applied, pulled through and then crimped w/ needle nose pliers so numbers can be read from the top, dorsal view.

Two samples of red algae, were saved from turtles because of its heavy growth. I tried using the fluorescent paint, it takes a long time to dry, awfully bright, so have re-ordered some from Gilman.

On my map - "Preliminary areas ... Lagoon". I found major concentrations of basking turtles on the NW coast at a place called "Two Crosses". It is a 100' long beach inside a protected reef w/ deep quiet waters surrounding it. Have seen up to six turtles basking here. The other interesting area I discovered, or maybe you showed it to me occurs on the S-SW side

maximum 6 turtles seen at 1 basking day count


of Laysan that I called "Georges Bay". In the nearshore waters (20-50') from shore we located turtles that appear to be feeding on algal growth on the limestone formations. Its like an area on Oahu called "Pipeline", sharp limestone smooth sides, sandy bottom, and lots of cuts, ledges and grooves. I've seen 4-5 turtles at any one time, bobbing up and ~~down~~ down. I've also collected a sample of algae from the area - looks like a Bryopsis? Amansia? Desmia? and a Grateloupia? From another reef to the left of this one is found smaller number of turtles and predominantly Asparagopsis on the reef flat.

31 March 1982

The weather was so good today that I thought I might as well explore some more of the reef in front of the camp so donned my fins and mask and wetsuit (still need a full suit, water is ~65°F) and ventured forth. Found a lot of Halimeda on the reef and Amansia growing on overhangs and sides of ledges. There's a lot of potential spots for turtles to sleep beneath the ledges w/ sandy bottoms. I was able to grab a feeding turtle # 5897, 5898 (S) 50.2 x 40.2 that was munching on Caulepea racemosa, when I got to shore; by prying the turtle's mouth open I was able to get a pretty big sample of C. racemosa straight from its upper palate. When I returned to the water, I still had trouble finding

Two
5897-98

4/3 Late entry: Turtle tag # 5096 RFL (inside skin flap)
 (S) 89.0 (C) 95.5 ♀, small 'ding' on 11th Rt. marginal
 Laysan Island
 Tuna 1330 Area "Two Piles Floats" (north)




more of that seaweed. Will still keep trying to do more observations. No nesting turtles yet, 1 sorta mating encounter - but too brief, 10-15 seconds and then the couple broke away to race off to deeper water where I lost them (I'm not real positive about this one so will just call them swimming turtles)


Have been reading that new testament bible you gave me, it seems very current in regards to manner of speech, so its interesting with a new perspective. Say "Hi" to Linda and Christine for me and tell them that I am safe. Am keeping a journal of days events alone for turtle information and such. I have also been reading and re-reading your "Synopsis of Biologicals..." and now that I'm on Laysan can better understand the life biology of turtles. Also I'm having a lot of fun, some ups and downs, but mostly with positive thinking I will persevere. Hope this note is not too long, 'cuz I wanted to get one off before the boat came in April with some needed supplies.

If I leave some other letters with you, could you see that they get mailed. Mahalo!

See ya later, and keep the faith!



EW



George:

8 April 1982

Well, sorry to bother you again so soon but I got some more info. that I wanted to get to you while I have a chance. The boat schedule from Honolulu to Laysan is so weather-condition oriented that this letter will most likely be getting to you a month or more from now, but what the heck. Gives me a chance to use up ink. Some new tag returns I just made:

④ 4/4 at "Two Crosses" NW Laysan & recovered
 Tag no. 2633 RFL and 2634 LFL (S) 56.1 x 45
 (C) 60.8 x 55.0 (PL) 8.8 (HEAD) 45.4 (TAIL) 12.5
 thick-bodied animal, red alga on neck & pelvis
 saved-skin barnacles on neck & pelvis

④ 4/8 at "Weaner Pt." NE Laysan I recovered
 Tag no. T265 RFL [Bureau Wildlife Kailua Hawaii]
 (large size tag) my tag # 5901 LFL trailing
 (S) 77.3 Female, marginals serrated,
 carapace round, deeply notched tail plates



Tags that I just placed. Tag. no. 5899 ♀
 "Sandy Beach" NE Laysan (S) 84.5 (C) 88.9 and
 Tag no. 5900 LFL trl. ♀. "Weaner Pt." NE Laysan
 (S) 95.0 (C) 102.0.

Some other basic statistics of to this date
 4/8/82.

Days of observations: 22 days

Number of turtles observed basking (including turtles
 that I tagged) = 66 turtles for time period
 of 22 days.

Total number of turtles observed either swimming or basking: 105 turtles for 22 day time period. *data is misleading because I ~~have to~~ ^{should} subtract repetitive sightings of known turtles to get approximate count of "real number" turtles seen for population count. *

Turtles regularly seen at "Two Crosses" basking.

3580 ♀, # 5876 □, # 5878 ♂,

5884 □, # 5892 ♂, # 5894 ♂

Total: 6 turtles (3 males, 1 female, 2 juveniles)

TURTLES TAGGED AT LAWSA ISLAND 15 MARCH - 8 APRIL

19 animals (7 ♀, 3 ♂, 9 JUV.)

Straight length (cm)

RANGE: 41.5 - 95.0

MEAN: 72.6

N = 19

I have not noticed any mating behavior in the nearshore waters or any early nesting. The weather on Laysan vacillates between days of wind and days of cold wind and rain. The tents are not faring so well, these Sears products are not made for harsh conditions, maybe perhaps just for weekends at Waimanalo Beach Park. My tent leaks like a sieve through the door, the window seem to catch and pool the rain - the floor is water proof because its holding the water so well.

11 April. - Today I still have all my books and possessions wrapped in garbage bags, under

a thermal blanket, which is under my rainponcho. It is all sitting in the middle of the tent, and even during strong gusts, the tent walls collapse inward making for some very fine moments. I have temporarily abandoned it (sleeping + reading, living) and made an exodus to the larger supply/radio tent. It is more roomy, and if anything happens - I will be where all the food is at. It has been raining, or should I say storming for the past 3 days, first rain from the west and then storm front from the E-NE. Gives the campsite a chance to get wet on all sides. I have not seen any turtles out on the beach backing during the storm, so I do not plan to go out either into the elements (perhaps one in a while just as a check.)

Doris has been a truly dedicated scientist going out in the storm every day to check on particular seals, especially full-term pregnant ones. I have been spending more time doing seal work, keeping an eye out for weaners and interesting social behavior of the seals - aggression during male seal haul out at in the water. The males seem very feisty when cruising around the island in search for estrous females. Our 4 day and 2-day (Doris') censuses reveal new aspects to gathering data - human influence upon animals. Does our walking the beaches and movement positioning ourselves to identify certain animals (scrammy and sex) affect the male seal haul-out behavior. In a few

instances, even though I was 40' away and moving
 to somewhere else, the seal "vocalized" and moved into
 the water. Could the taking of a 2-day census be
 detrimentally affecting these animals and if so,
 what should 'correct' human interference be?
 Working w/ binoculars is not as accurate as by
 sight (because of different perspectives), should
 censuses be less often? I do not know much about
 marine mammals but Doris seems concerned, and
 that makes me worry about the brusque manner
 in which I conduct science. Hope I'm not
 worrying you George, 'coz I just wanted to
 share some feelings I have with you. I would
 not want to ^{be} handling myself irresponsibly here
 on Laysan, it might affect ~~to~~ my job future.
 But as I learn by experience, I will be better
 able to handle the situation and circumstances
 with a more practiced eye. Well, from a
 short note this has turned into a long
 narrative, save it for my file that you
 have at H10B. It will make my file bulkier
 and more impressive! See ya later, will
 be looking for interesting turtle activities
 on Laysan and Lisianski in the future.
 Thanks a lot also for this opportunity to
 be working in the field, I needed a good tutor.
 to show me the ropes.

GEORGE:

12 MAY 1982

Depending upon the order or sequence of letters you have read from me in these packets this note is the 'latest', therefore most up to date. The Feres left Laysan 15 April for Lisianski and Pearl and Hermes Reef. It was a good break from the routine, being able to converse w/ other people - it puts life on Laysan into a different perspective. Thanks for the newspapers, it makes better reading (even the bad US economic and Britain/Argentina news) than the books and reprints I have brought. If you are able could you send me some of your Sunday newspapers to keep me informed (I like the advertisements!) Also if you have any interesting reprints or sea turtles it would greatly be appreciated, allows me to compare them to your "Synopsis...."

Well, summer has come to Laysan with a quiet bang. You wake up one morning see a beautiful blue sky and calm lagoon, the low tide reveals an exciting reef system below your camp and as you step outside your tent Wham!! , buzz, buzz buzz of tiny little wings encompass your entire body with black fragile hairy bodies. Up! da Flies! Aside from staying in your tent all the time, its pretty hard to stay away from those pests. They are so annoying - if you sit outside putting on your shoes they begin crawling on your legs, arms, face, glasses, lips, nose - just like a little "shit" pile. Fine life this natural experience in a wildlife

habitat. Insecticide doesn't faze them, and neither does killing them, it only attracts more flies who gather upon their mottled comrades to suck juices. I'm waiting for the moment when they are able to figure out a way into my tent and 'slorp' me up during the day. Doing stationary observations at "Two Crosses" (Cross Pt.) becomes a bit of a problem when there are no winds, its blistering hot and dry and the flies need only 12 more fly friends before they are able to carry you off into the air and into their dens. By around 600 pm their numbers start slackening and by nightfall you feel once again alive and grateful to be living on Laysan. I wonder if 'Feds' have anything planned to wipe out the flies here like introducing another Laysan rail or flycatcher?

If ever I thought Kona and Kihalo were hot, I must be badly mistaken for some days it is just dreadful to be outside during 1000 - 1500. The heat just sucks life out of you, and due to seal surveys that is the time period to do island censuses. As we do the censuses, the time allows me to cover a lot of reef systems and beaches - so turtle basking can be observed or any feeding or swimming. So far there are only a few select beaches and reefs on Laysan that constantly provide me with information. I have enclosed more maps and things to show turtle activity on Laysan. On page 35 of your "Synopsis" NOAA/NMPS, second paragraph P. and B. Johnson com-

monitored to you of turtles basking on calcareous beachrock slabs. I have not noticed any such activity, but I may be passing the spot w/ cursory observations. By the way, where is this area?

I have also done 1 nighttime circuit of the island 9-10 May and tagged a male turtle, out basking at a spot called "AK Log". Prior to this event the only other night basking has occurred at "Two Crosses" with turtles # 3580 (4/12 1545-2230) # 3580 (4/19 1600-2100) # 5894 (4/19 1600-2100) # T265 (5/3 1653-2230) and # 986 (5/3 2230). 9 May was suppose to be the full moon night.

Other information is that turtle # 986, I still have been unable to get a measurement on her (♀) #986 RFL trl. (Contact ^{write} University Hawaii HMB 96744) and # 115 LFL (US Wildlife Honolulu). While it was night basking, when I moved #986 tag it awoke and so I felt for other tag and # 115 popped right out. The 'bridge lock' is corroded at the metal very thin w/ worn spaces (you can see light through breaks in metal)

On 5 May while conducting a night survey I was able to observe the last 5 minutes of a male seal birth I had passed the animal 15 minutes earlier (2305) and it had been growling (birth noises) I thought it was because of me so I took a glance and then passed on by. When I came back in this direction I heard odd sounds and when I looked, there was a black pup emerging. So for the next hour I stayed there taking

notes by the light of the moon, grabbed the afterbirth and then split, No basking further at "Two Crosses" that night.

Enclosed is a summary sheet (yellow legal paper) that identifies current listings of tags and animals. There has been 3 tags lost due to inability ~~to~~ and improper tag placement (# 5879, 5892, 5902) I believe that I put the tags through a "too" thick trailing edge scale so tags did not work properly or even penetrate scale. I was using the point downward method, for better number readability, but it appears that tags did not attach. These separate animals did get retagged properly and I am being more careful and critical of tag placement. The list of numbers and measurements are correct, you may find some discrepancies in a earlier letter, but these numbers are the "true" ones

Total animals measured : 25
 New animals tagged : 21 on Logans
 Recaptured animals : 4

- T265 (5901 w/ tag)
- 2633, 2634
- 3580
- 5096

Range (S) length carapace : 41.5 - 95.0 cm

Mean : 76.22

Age Class	♀	: 11			44%
	♂	: 6			24%
	Juv. subadults	: 8			32%
					100

On Laysan, areas of primary use by green sea turtles are: 1. Two Crosses (Cross Point) a 48.3 m sand and coral fragment beach on NW Laysan. Used as a basking area during the day and night, copulations and behavior observed in late April and May. Usually every day a large turtle may be observed swimming in the nearshore water ~ 20-50' from shore.

→ 2. George Bay (Sign Beach) a small reef system fronting a beach composed of sand, large calcareous rocks and boulders and beach rock plate on S. SW Laysan. There has been 3 instances of basking along the whole stretch of beach, usually late afternoon (1600+) but the primary concern involves the reef. A strongly wave eroded reef that appears 20' offshore in the wave zone that turtles use as a feeding ground. Observations during the day indicate numbers up to 5 individual turtles (usually in the medium to small size range) are utilizing this area. Algae has been collected from this reef system and turtles were observed when I was in the water swimming. Future plans involve more close inspection of the area.

Other beaches on Laysan indicate low levels of individual basking of one to two animals. Repetitive sightings possibly show that the animals are not wide traveling and just use their own specific beaches. The page 2 "tagging results on certain beaches on Laysan Island 1982," will show distribution of turtles thus far encountered on Laysan.


"Two Crosses" is located near enough to camp to allow monitoring of it daily. Usually I have been checking it at 1200, 1500, 1600, 1800 and "George Bay" at ~1800. There has been no set time schedule as it has been during random days.

Aside from that I have been trying to stay out of the sun, get some snorkeling done and reading completed. I had a chance to try-out the throw net one morning. Not very good. I couldn't get it to open completely; it's heavy and very bulky making quite a bundle. Will practice with it to learn a new skill.

So far the camp has held up pretty much to my efforts. Doris' does all the seal science and I take care of turtles and maintain the camp and its supplies. She's a bit messy - keeps tracking sand into the main tent and lets in flies. Each time she enters or leaves. I'm overly clean - I keep sweeping up the sand and killing the flies every 15 minutes or so. My seal tent is immaculate - not a grain of sand on the floor or fly on the ceiling. Only ~~ants~~ ^{animals} I have on the floor are ants. Food has been pretty good, a bit spicy but palatable. Desire eating a fresh salad - Tournefortia or Scaevola perhaps? and then some ice cream. Could you see that when I get picked up in June to go to Lisianski some chocolate ice cream gets sent along. Mahalo.

Bored yet? Well I think I'll make this the last page I write. Am sitting in my fut a bit bare-assed to keep cool and thinking whether or not the Feres will stop by Laysan to pick up these last minute notes. Not too sure whether Ed has any feeling to stop here on his way back to Honolulu and a plane reservation. But if he does, he does no pilikia.

Can I enjoin you to do some favors for me if you have time. I have been pretty well set up by bringing a lot of my own things to make life out in this natural wildlife pleasant but need some more things to tide me through the hotter summer days.

- a) Camera battery for Nikonmet FT3, button battery Maxell G-13 (77.04) singles 1.550. ONE
- b) "Scott" brand nylon slippers size 10 four layers of sole  neoprene, they fit a lot better than your Long's finest try Slipper House - Ala Moana ONE PAIR
- c) camera film Kodachrome 64 4 rolls / 36 slides for my personal shot
- d) an Hawaii Audubon bird book, ed. R. Shallenberger ONE
- e) Thermal space blanket w/ grommets ONE reflects heat off the fut a lot better than rain flies I'm going to ask Gilman to also send out some later on for Liscanskin and June drop

For Bill

for June drop

- a) send more
- b) sport pens
- c) memoranda pads
- d) index cards 3x5 5x8
- e) duct tape
- f) more duct tape
- g) fiberglass tape
- h) even more fiberglass tape to fix the boxes. There will be a lot taken off the island
- i) thermal blankets reflective laminate
- j) see paper found list.

(\$50.00)

I have also enclosed some money to pay for some or part of the items. Maybe Bill Gilbratire owes me some money?

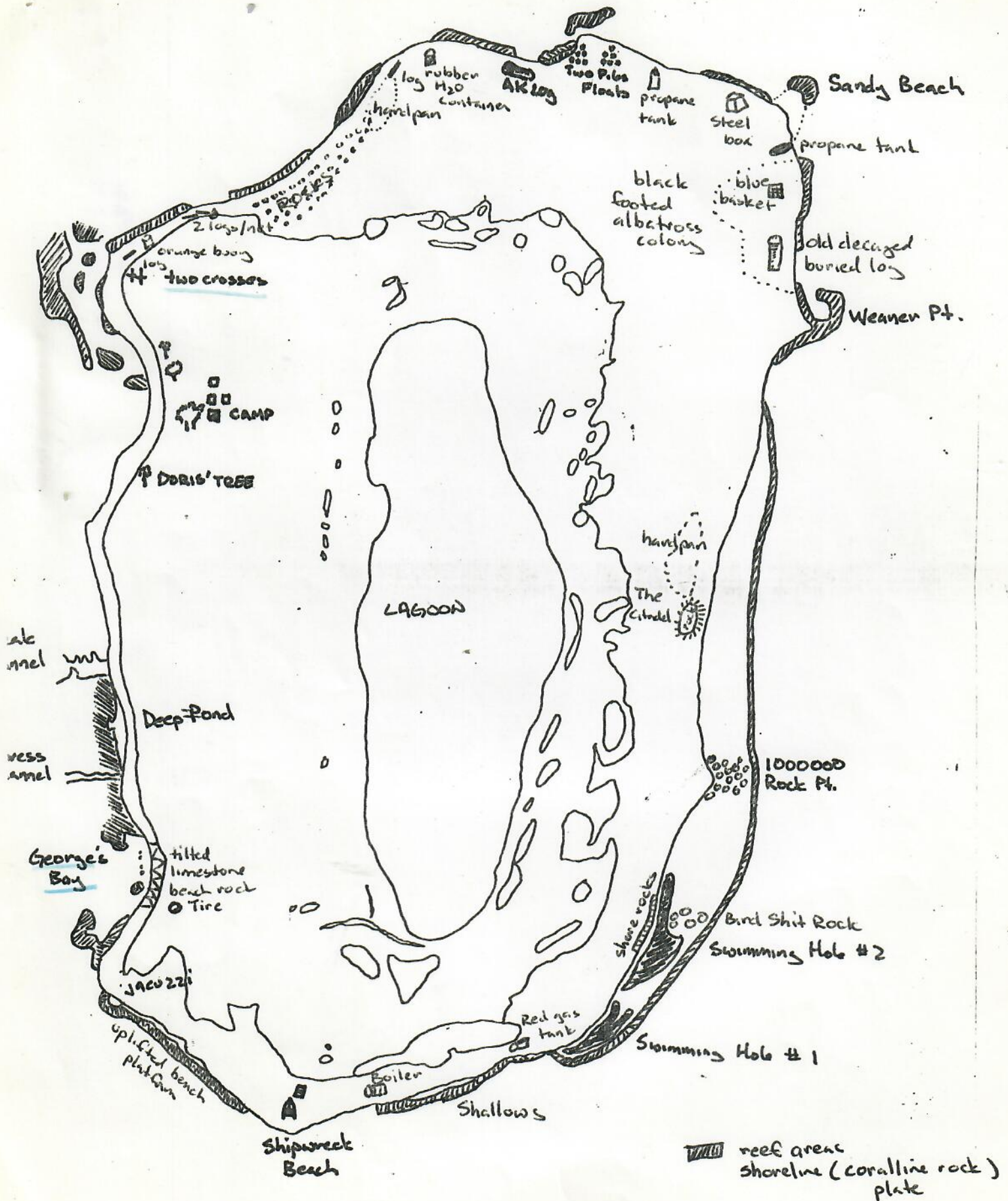
How are your plans shaping up for the summer? Will you still be going to FFS for some radio trading or have time schedules and people delayed that 13 May: have just talked to Ed on the Ferret he will be cruising by ~ 0930 and will send someone on a board to pick up the last minute mail and stuff. Hope I didn't write too much, perhaps you got a 'chuckle' here or there. But that's about it. If you have any input on the June transfer to Liscanski suggestions should center around: getting out of the heat or deflecting it during the hot days of observation (building lean-tos) Our water consumption has been ^{conservatively} ~~reduced~~ 5 barrels since March ^{9 barrels left} but will probably rise today and thereafter - it's hot. Also need more flavor mixes to change the algae tasting, mostly water (iced tea mix, juice, cocoa). We also have been trying to eat lighter meals - canned fruits have helped a lot to refresh the hot day. Well enough said, hope your day gets to be a good one!

Makelo for all your help, will talk or communicate more often when your radio is up. P.S. Could you give my family a call and tell my mother that I am okay.

373-2540

Thanks a lot.

have any ideas in storing water - should I chlorinate it?



LAGOON

Sandy Beach

propane tank

steel box

black footed albatross colony

blue basket

old decayed buried log

Weanen Pt.

Two Pils Floats

AK log

rubber H2O container

log

havelpan

2 logs/net

orange buoy

two crosses

CAMP

DORIS' TREES

Deep Pond

atmel

vess. amel

George's Bay

titled limestone beach rock

Tire

Jacuzzi

uplifted bench platform

Shipwreck Beach

Shallows

Boiler

Red gas tank

Swimming Hole #1

Bird Shit Rock

100000 Rock Pt.

havelpan

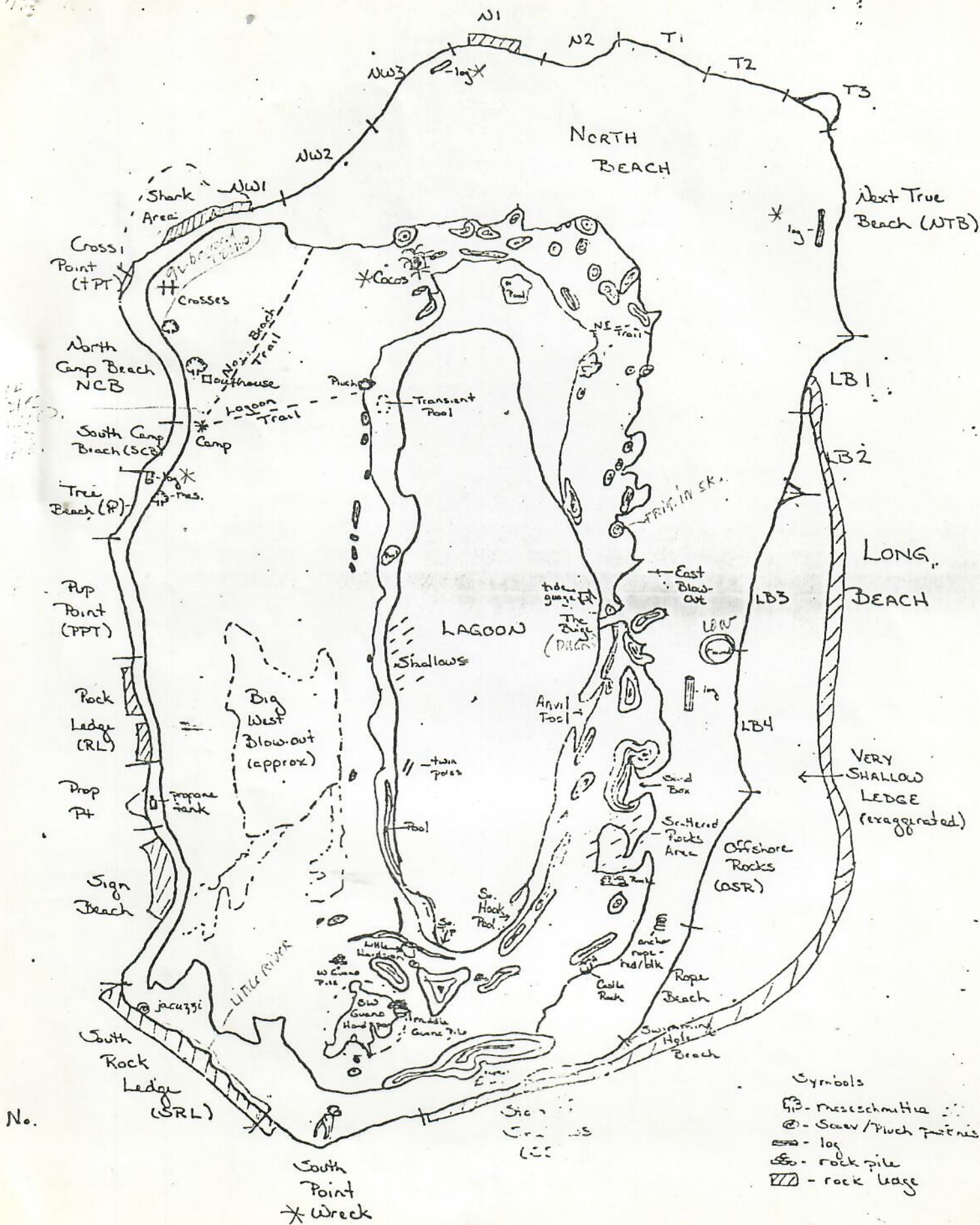
The Citadel

reef area
shoreline (coralline rock) plate

LAYSAN ISLAND - 1980

(approx. location of useful landmarks)

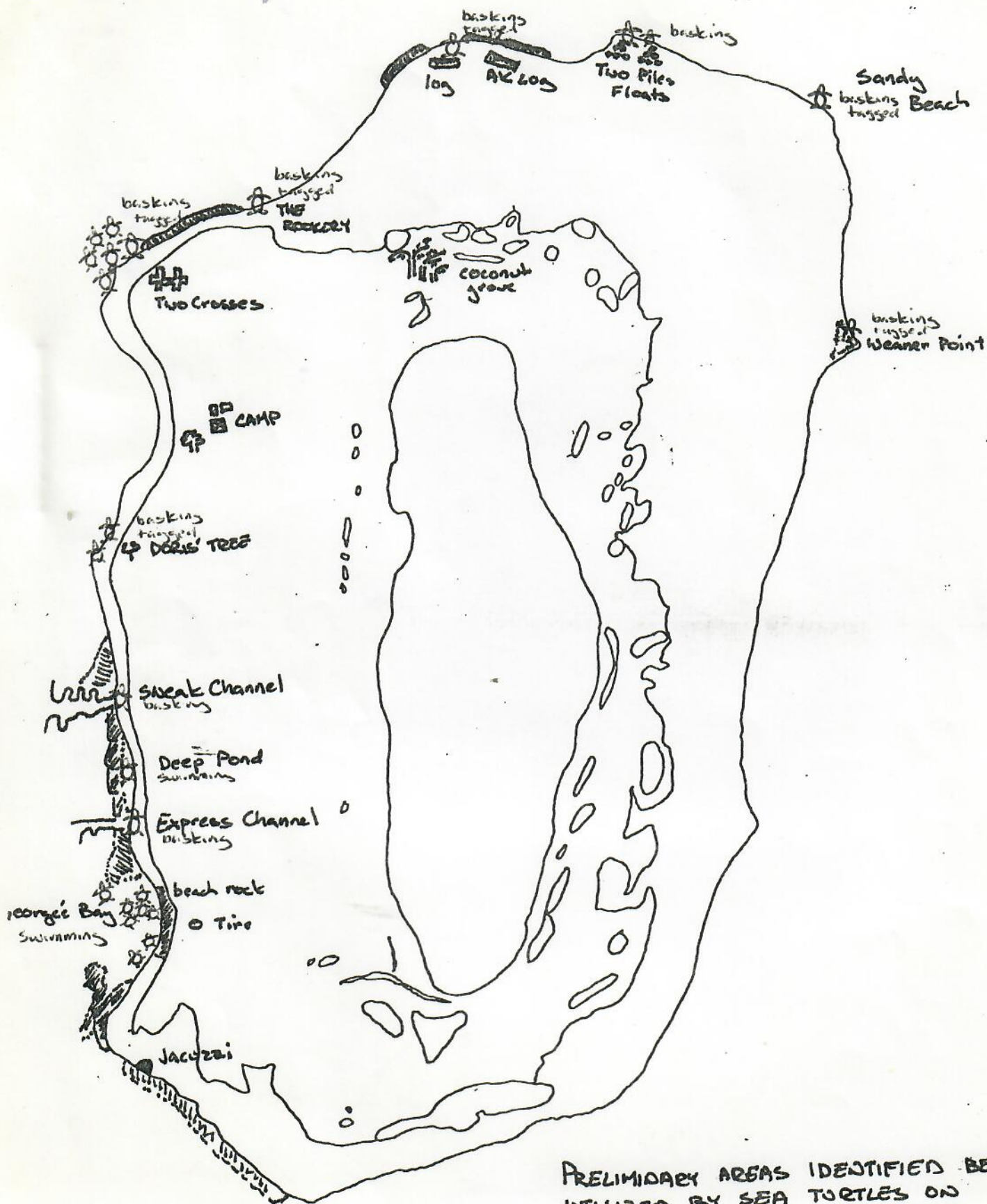
FRIGID -
-spray up slowly



- Symbols
- ⊕ - P. mesochmista
 - ⊙ - Scaev/Pinch patterns
 - - log
 - ⊞ - rock pile
 - ▨ - rock ledge

No.

A. Newman
- mar '80



PRELIMINARY AREAS IDENTIFIED BEING
UTILIZED BY SEA TURTLES ON
LAYSAN ISLAND, MARCH 1982.

AZAS KAM
MARCH 1982

- o tire
- A Shipwreck
- x red gas tank or buoy
- log
- ooo rocks
- o handpan areas
- black rubber bumper
- orange buoy
- ▭ propane tank
- ⊕ steel box
- ▲▲ two piles floats
- ⊞ blue basket
- o steel boiler box
- * net

TWO PILES FLOATS

WHITE ROCK

SANDY BEACH

WEANE POINT

Coconut Grove

++ TWO CROSSES

CAMP

SNEAK CHANNEL

DEEP POOD

EXPRESS CHANNEL

GEORGES BAY

THE CITADEL

MILLION ROCK POIDS

BIRD SHIT ROCK

SWIMMING HOLE # 2

THE LEDGE

SWIMMING HOLE # 1

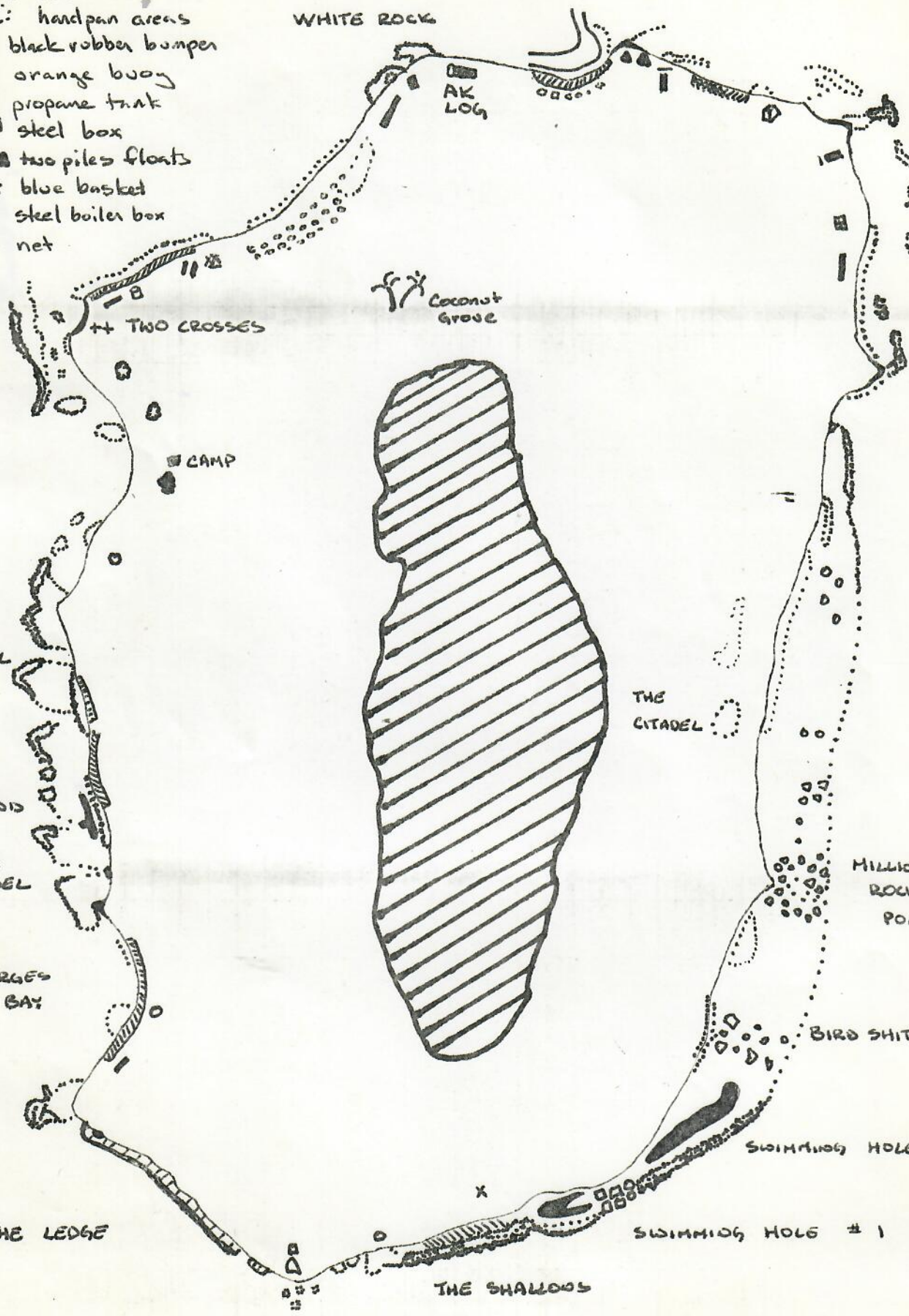
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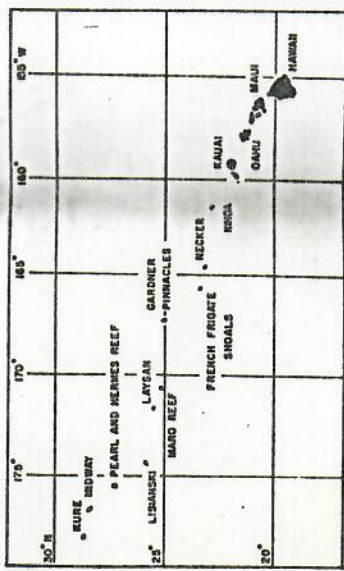
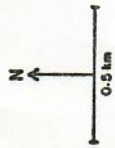
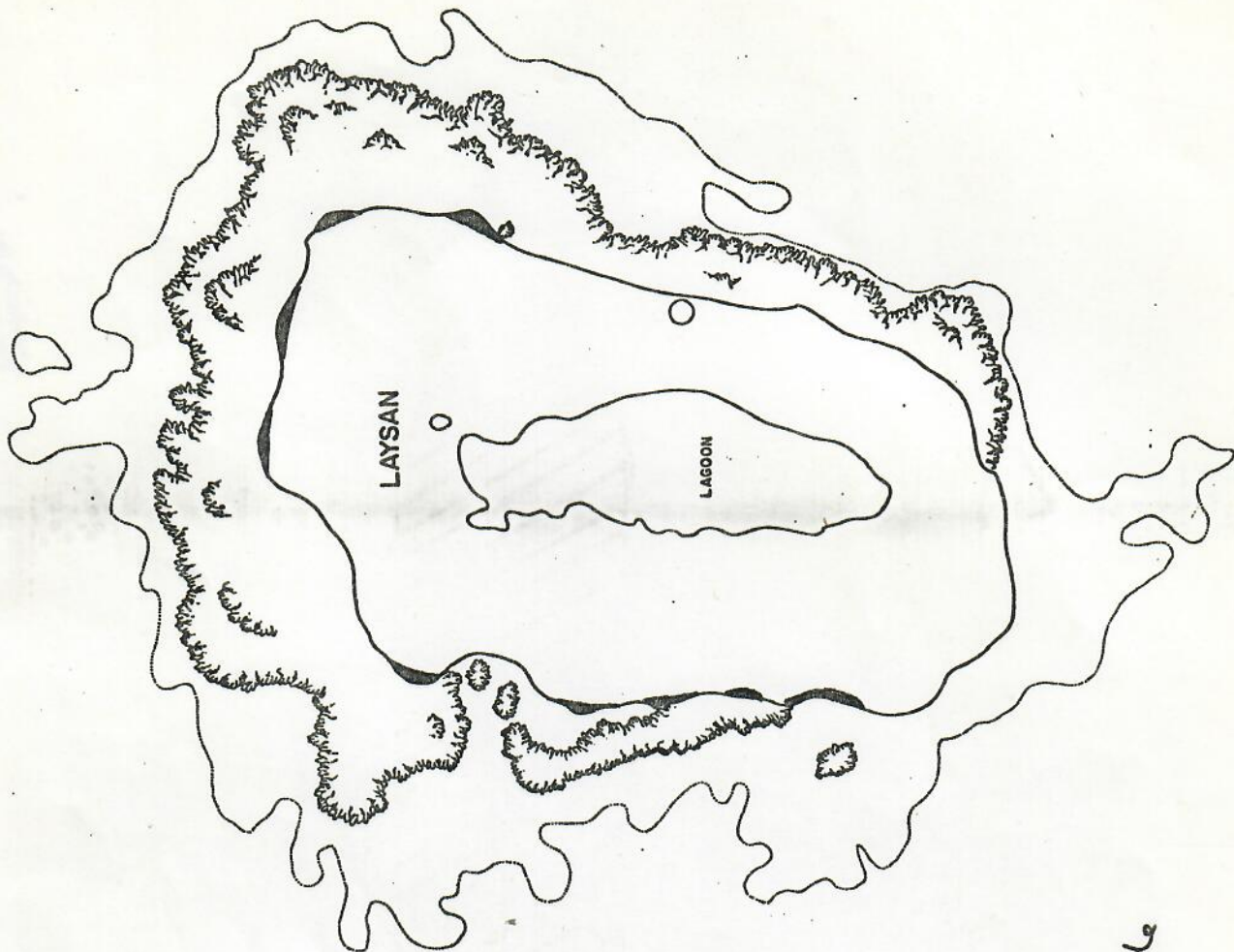
SHIPWRECK BEACH

KAM


LAYSAN ISLAND 1982

43 500
42 500
41 500
40 500
39 500
38 500
37 500
36 500
35 500
34 500
33 500
32 500
31 500
30 500
29 500
28 500
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5 500
4 500
3 500
2 500
1 500
0 500
NATIONAL





HAWAIIAN ARCHIPELAGO
NORTH PACIFIC OCEAN

 Red : beaches of sea turtle activity
 Laysan 1982
 March - May

TAGGED ANIMALS LAYSAN ISLAND MARCH - MAY 1982

①

	<u>Tag Number</u>	<u>Date</u>	<u>Sex</u>	<u>Length (s)</u>	<u>Width (s)</u>
	5876, 5877	(3/16)	~	44.2	37.3
	5878, 5882 5883	(3/17)	♂	89.1	69.3
tag loss	5879				
	5880, 5881	(3/19)	~	64.1	51.8
	5884, 5885	(3/21)	~	41.5	36.5
	5886, 5887	(3/21)	~	61.5	50.0
	5888, 5889	(3/21)	♀	90.0	
	5890, 5891	(3/21)	~	49.5	35.5
tag loss	5892				
	5893	(3/27)	♂	86.2	
	5894	(3/19)	♀	86.3	
	5895, 5896	(3/28)	~	48.2	40.2
	5897, 5898	(3/31)	~	50.2	40.2
	5899	(4/7)	♀	84.5	
	5900	(4/8)	♀	95.0	
	5901 ²	(4/8)	♀	77.3	
tag loss	5902				
	5903	(3/28)	♂	84.2	
	5904	(4/29)	♀	82.8	
	5905	(3/26)	♂	90.8	
	5906	(4/30)	♀	94.3	
	5907	(4/14)	♂	84.3	

AG RETURNS

etagsed

5908	♀	(5/6)	92.0
5909	♀	(5/7)	90.0
5910	♂	(5/10)	83.0
T 265	~	(4/4)	56.1
2633	~	(4/4)	56.1
3580	♀	(3/20)	91.4
5096	♀	(4/3)	89.0

45.0

5/12/82

later seen nesting

TAGGING RESULTS ON CERTAIN BEACHES ON LAYSAN ISLAND (2)
1982.

⊛ Two Crosses, NW Laysan

5907 (4/14) ♂

3580 (3/20) ♀

5905 (3/26) ♀

2633 2634 (4/4) ~

5903 (3/28) ♂

T265 5901 (4/8) ♀

5904 (4/29) ♀

NS 986, 115 (♀) observed

5897 5898 (3/31) ~

5895 5896 (3/28) ~

5894 (3/19) ♀

5893 (3/27) ♂

AREA

5880 5881 (3/19) ~

TAG NO.

5878 ⁵⁸⁸² 5881 (3/17) ♂

DATE FIRST TAGGED

5876 5877 (3/16) ~

SEX

★ The Rookery, NW (NW1)

5890 5891 (3/21) ~

★ White Rock, NW (NW3)

5888 5889 (3/21) ♀

★ AK LOG, N (N1)

5910 (5/10) ♂

★ Two Piles Floats N (T1)

5096 (4/3) ♀

5909 (5/7) ♀

★ Sandy Beach NE (T3)

5899 (4/7) ♀

★ Weaner Pt. E. NE (NTR)

5908 (5/6) ♀

5900 (4/8) ♀

★ George Bay S.S.W (Sign Beach)

5906 (4/30) ♀

☒ 986 (♀) observed

★ Sneath Channel W (Pup Point)

5886 5887 (3/21) ~

★ Doris' Tree W (Tree Beach)

5884, 5885 (3/21) ~

28/21/5
95 96



[Faint, mirrored handwriting from the reverse side of the page is visible through the paper.]