

# LAYSAN

NOAA, National Marine Fisheries Service  
 SWFC Honolulu Laboratory F/SWC2  
 2570 Dole Street  
 Honolulu, HI 96822-2395

or tag recovered

Table 1.—Adult green turtles newly tagged at Laysan 3/30 → (dates)

Tag No.	Date	Location	Status <sup>1</sup>	Carapace length (cm)
				<u>Curved</u>

**Male**

B. Becker W-3 (left) 4/14/89 Laysan sector 2 Basking 85.8  
 Tort. had been impaled, also injury on rt. fore flipper where  
 and tag may have been (resight)

**Female**

B. Becker 13076 4/14/89 Laysan sector 7 Basking - 93.5  
 rt. fore flipper - unsure if clamped correctly

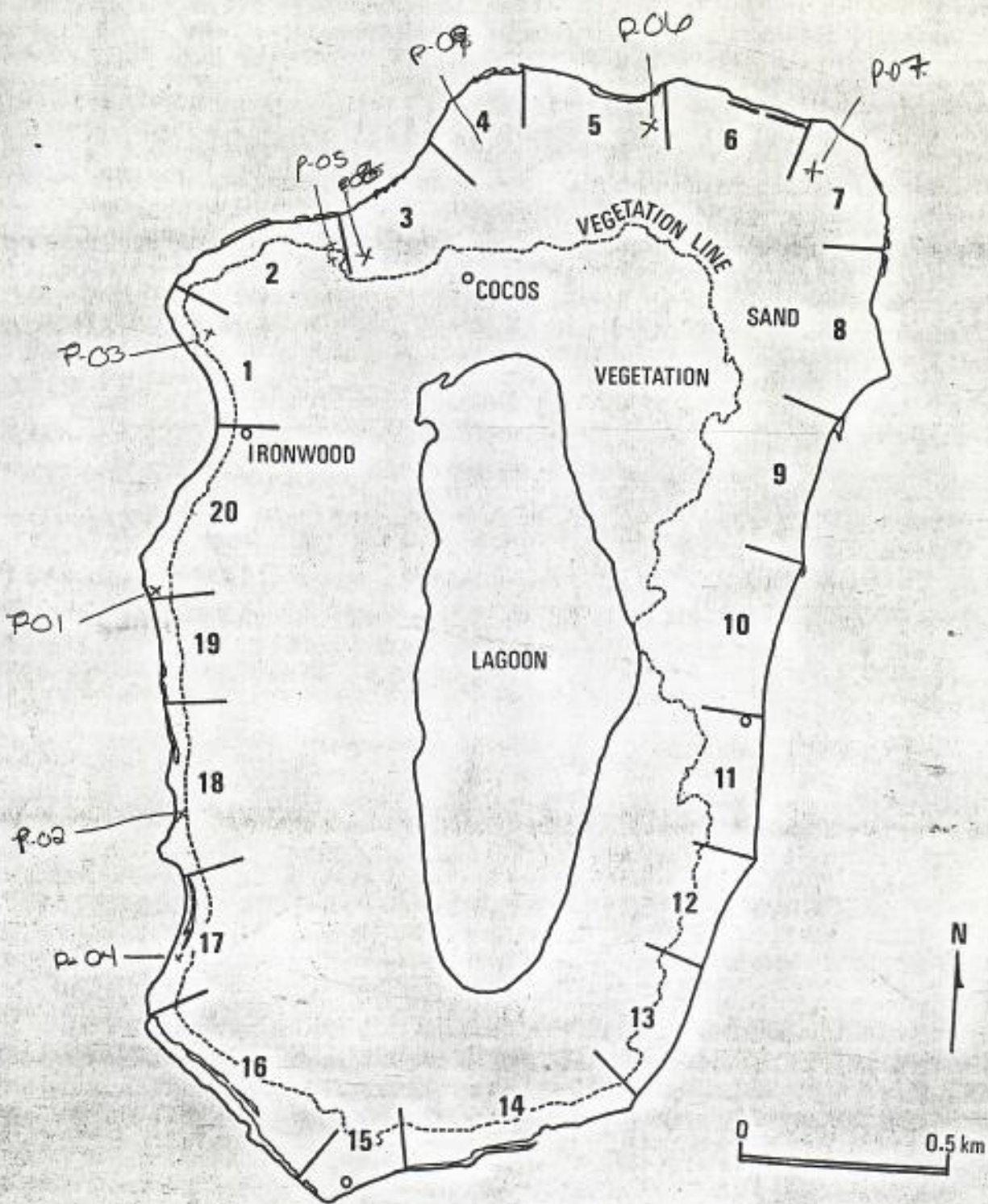
B. Becker 13077 4/14/89 Laysan sector 8 Basking - 91.5  
 (rt. fore flipper) has a golf-ball sized tumor on ventral LFF, near "dimple"

B. Becker 6927 (left) - also rt tag present, but twisted into flipper so couldn't read  
 4/20/89 Laysan - sector 6 Basking

<sup>1</sup>Basking, nesting, foraging, etc.

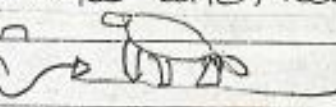


Turtle Pits 1989





# TURTLE PITS

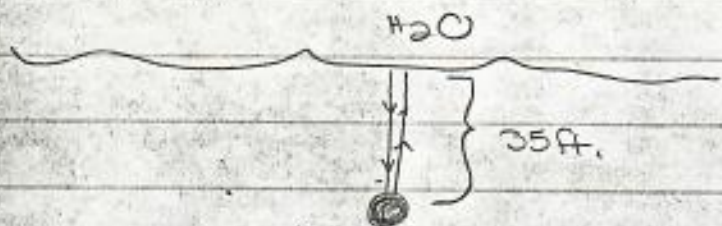
FIELD NO.	DATE (IF KNOWN)	SEC	# PITS	BEACH POST.	DISTANCE* TO WATER	COMMENTS
P-01	5/19/89	20	1	2	~35 ft.	what about beach slope??
P-02	6/12/89	18	1	3	~100 ft	
P-03	6/21/89	1	1	3	~170 ft ( <del>100 ft</del> )	
P-04	6/27/89	17	1	2	~40 feet	shallow pit, probably no eggs laid?!
P-05	6/27/89	2	2	3	~120 feet	
P-06	6/28/89	5	2	2	~20 ft.	<p>2 shallow pits on top of rock ledge - turtle has partial emputation ~4" of tip of Lff. turtle &amp; tag still present at 1335 looked for tags &gt; turtle started to flee, but didn't get very far - stressed still there on ledge when rescued by JZ &amp; last seen</p> <p>poised on front flippers </p>
P-07	7/6/89	7	1	3	~90 feet	
P-08	7/10/89	3	1	3	~90 feet	
P-09	7/10/89	4	1	3	~90 feet	by logs in sector 4!

\* NEAREST DISTANCE IF MORE THAN ONE PIT. EXPLAIN IN COMMENTS.

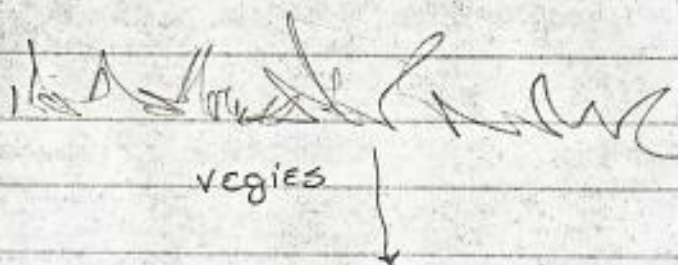
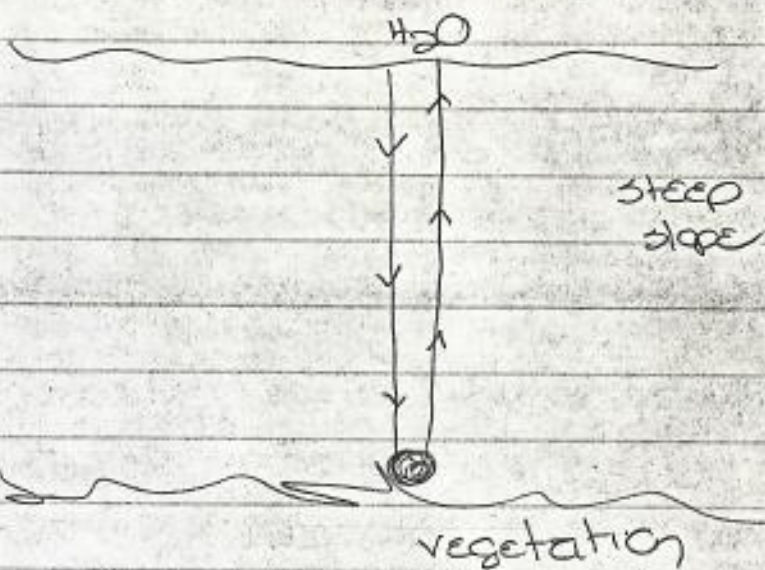


Turtle Pits - Laysan 1989

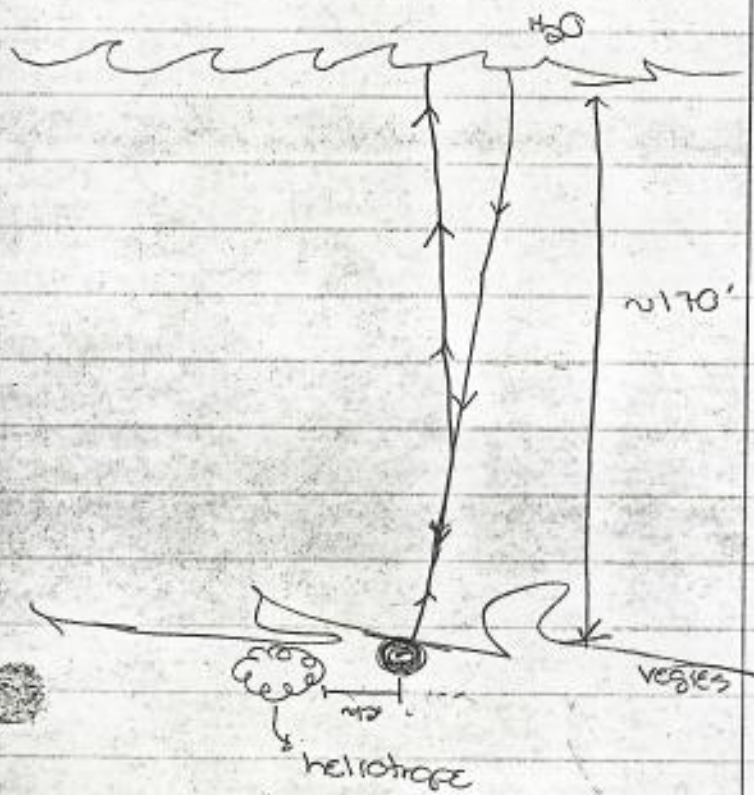
P-01



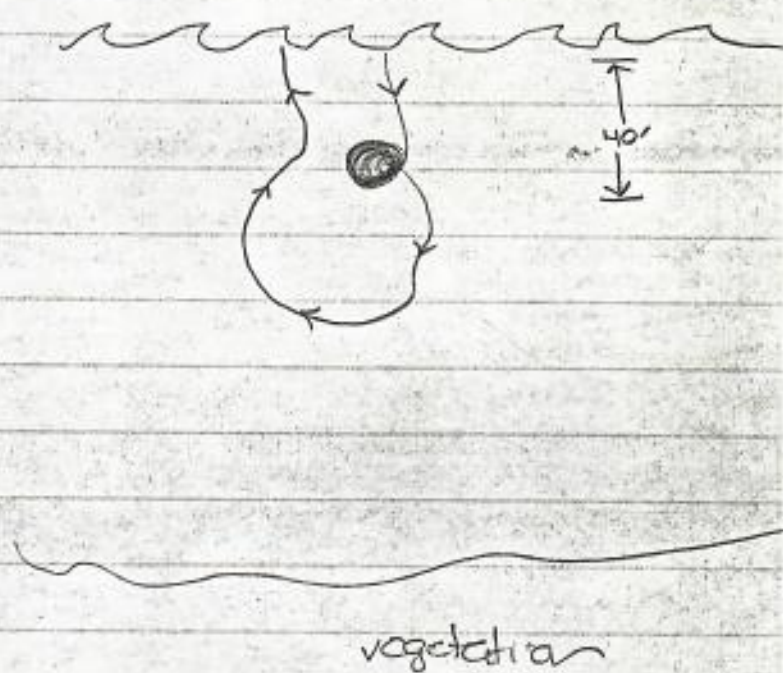
P-02



P-03

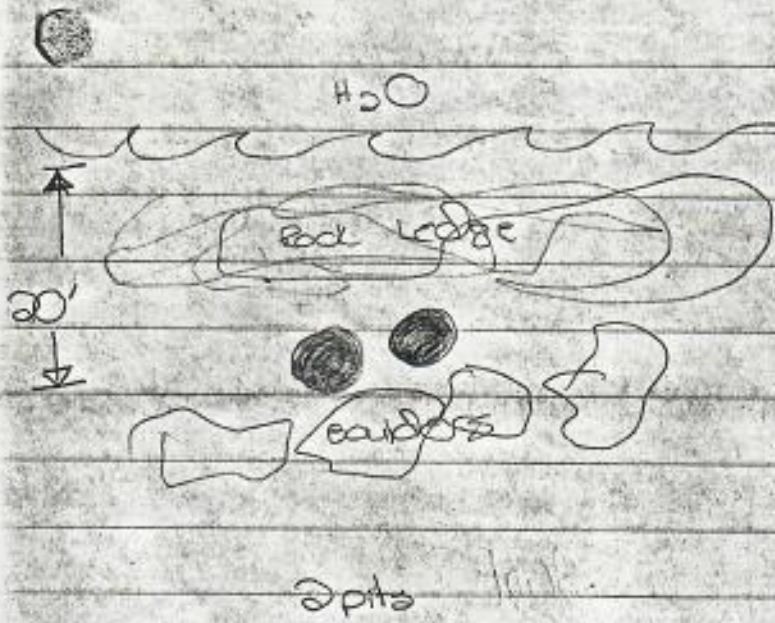


P-04

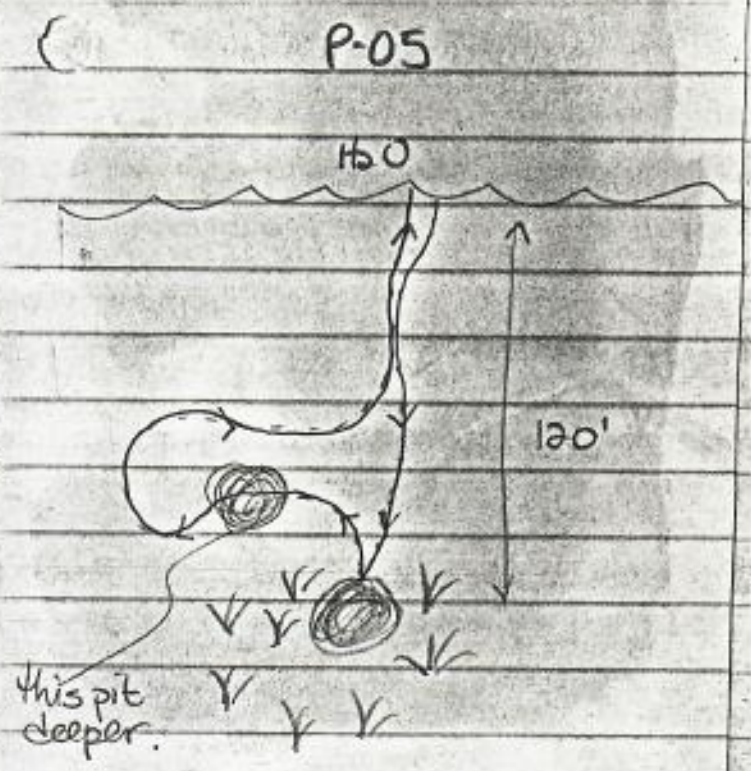




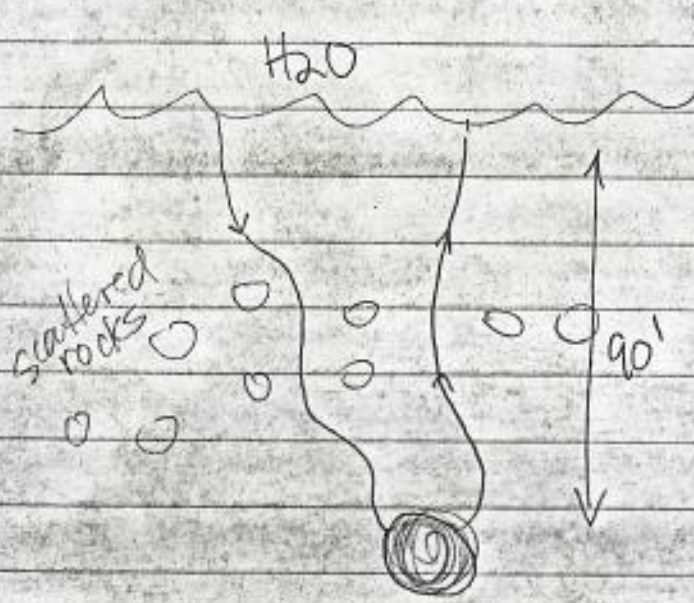
P-06



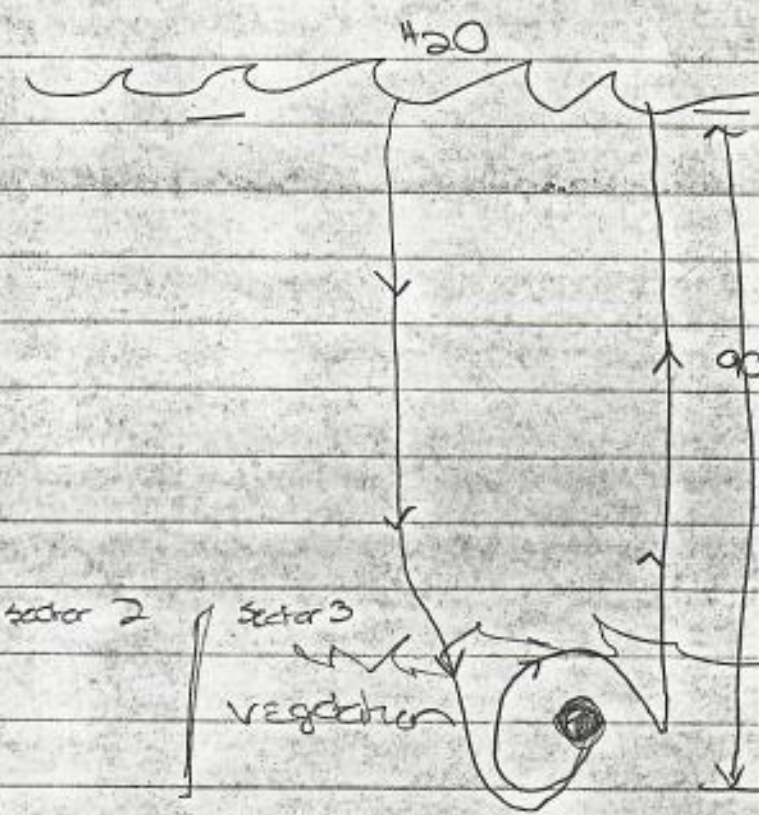
P-05



P-07



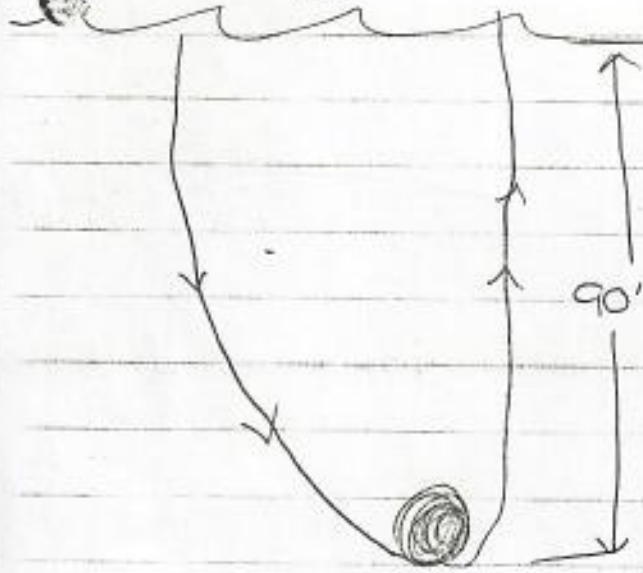
P-08



sector 7 near 6/7 border

R 09

#20



zippoon  
vegies - near logs  
at berm!!



# Misc. Turtle Observations

3/31

1530 hr - B. Becker, L. Hiruki, S. Zur

2 immature turtles basking on reef offshore - low tide - ~ 10 ft. from each other - ~ 30 ft offshore  
B. Becker took photos to document it!!

3/30/89

(mid-afternoon) B. Becker, L. Hiruki, S. Zur ~ 1400 hr → 14:15 hr

- saw 3 turtles copulating offshore in front of camp! 2 ♂♂ mounted on 1 ♀. Originally sighted @ north side of channel near coral reef. B.B. took to the water to document it w/ her new underwater camera! Turtle in the middle had a metal tag on L. fore flipper. Turtles then moved away from shore & were lost from view.

5/9/89 Sector 18 0858 L. Hiruki

2 turtles seen copulating in shallow H<sub>2</sub>O near shore w/ 3rd turtle swimming around them



5/10/89 Sector 19 1510, B. Becker

2 turtles copulating ~ 75 yds from shore on top of reef (shallow H<sub>2</sub>O) & got caught on the reef, flippers stopping the H<sub>2</sub>O!!

6/11/89 Sector 2 0826 L. Hiruki turtle did not have any tags

A♂ turtle with tumors on eyes: (1) eye had a tumor approx 4 cm diam; (2) eye had tumor ~ 1 cm diam. Took pictures of (1) eye T13: 32, 33 but turtle went into H<sub>2</sub>O so couldn't get pic. of (2) eye



Table 1. Tag resightings of adult green turtles at Laysan (dates)

Tag No. <sup>2</sup>	left right		Date	Location		Status <sup>1</sup>	Carapace length (cm)		Carapace width (cm)		OBSERVER
				Island	Sector		Straight	Curved	Straight	Curved	
Male	possibly had a rt. tag + ear in rt. flipper at previous capture		4/14/89	Laysan	sector 6	Basking	85.8				B. Becker
↳	NOTE: Tail has been ringed w/4° from base (old)			Laysan	sector 7	Basking					L. Hiruki
15024			4/13/89	Laysan	sector 7	Hauling (raining)					S. Zuv
6816			5/16/89	Laysan	sector 2	Basking					B. Becker
w-2			10/1/89		sector 1	Basking					
<b>FEMALE:</b>											
10927	possibly had a rt. tag captured		4/20/89	Laysan	sector 6	Basking					B. Becker
15077			5/2/89	Laysan	sector 18	buried in sand up to neck - pictures 4-5 on 28					L. Hiruki
5874			5/19/89	Laysan	sector 2	basking					L. Hiruki
10929	possibly had a rt. tag captured		4/12/89	Laysan		Basking					
5182	possibly had a rt. tag captured		5/29/89		sector 6	Basking					

note: 6123/89 saw A26927 again, sector 6 w/ small tumor (diam prob. 1.0 cm or less) on inside corner of eye. Pictures LMH-18:27, 28. 1986

<sup>1</sup> Basking, nesting, foraging, etc.  
<sup>2</sup> ( ) indicates additional tag applied at the time of resighting.







Table 3. -- Adult green turtles newly tagged at Laysan

3/30/89 →  
(dates)

Tag No.	Date		Location Island / Sector	Status <sup>1</sup>	Carapace length (cm)		Carapace width (cm)		OBSERVER
	left	right			Straight	Curved	Straight	Curved	
Male:									
FEMALE:									
15076		4/14/89	Laysan/Sector 7						
↳ turtle has golf ball sized tumor on ventral									
							90.5		B. Becker
15077		4/14/89	Laysan/Sector 8						
							91.5		B. Becker

<sup>1</sup> Basking, nesting, foraging, etc.

O.P. = Beach position



I. INITIAL SIGHTING

Date first seen with injury: 4/22/89

Time: 1815

Sector: 8

Observer: BAZ/OLD

Page 1 of \_\_\_\_\_  
 INJURY FIELD NO. \_\_\_\_\_  
 Turtle ID \_\_\_\_\_ Temp ID: TAI 26  
 Size Class TS tag 6809RM 25  
 Sex F

DESCRIPTION OF INJURY:

LOCATION:  dorsal  ventral  right lateral  left lateral  head  neck  
 r. foreflipper  r. hindflipper  other: description: \_\_\_\_\_ 24  
 l. foreflipper  l. hindflipper

TYPE:  puncture( )  abscess( )  abrasion( )  laceration( )  gaping wound( ) 23  
 &  circular wound( )  amputation: limb: L.FF  
 (#)  other: description: \_\_\_\_\_ 22

DEPTH:  surface scratch  skin broken  blubber visible  fat visible  muscle visible 21  
 other: description: \_\_\_\_\_

ESTIMATED DEPTH OF WOUND: \_\_\_\_\_

DIMENSIONS: length \_\_\_\_\_ inches cm 20  
 or diameter \_\_\_\_\_ x width \_\_\_\_\_ inches cm

TOTAL AREA COVERED: \_\_\_\_\_

COLOR/CONDITION OF WOUND: bloody, ~ 8" of suppur remaining, LFF eye has granula 19  
on it protruding 1/2" - 3/4" if it can see w/ L eye

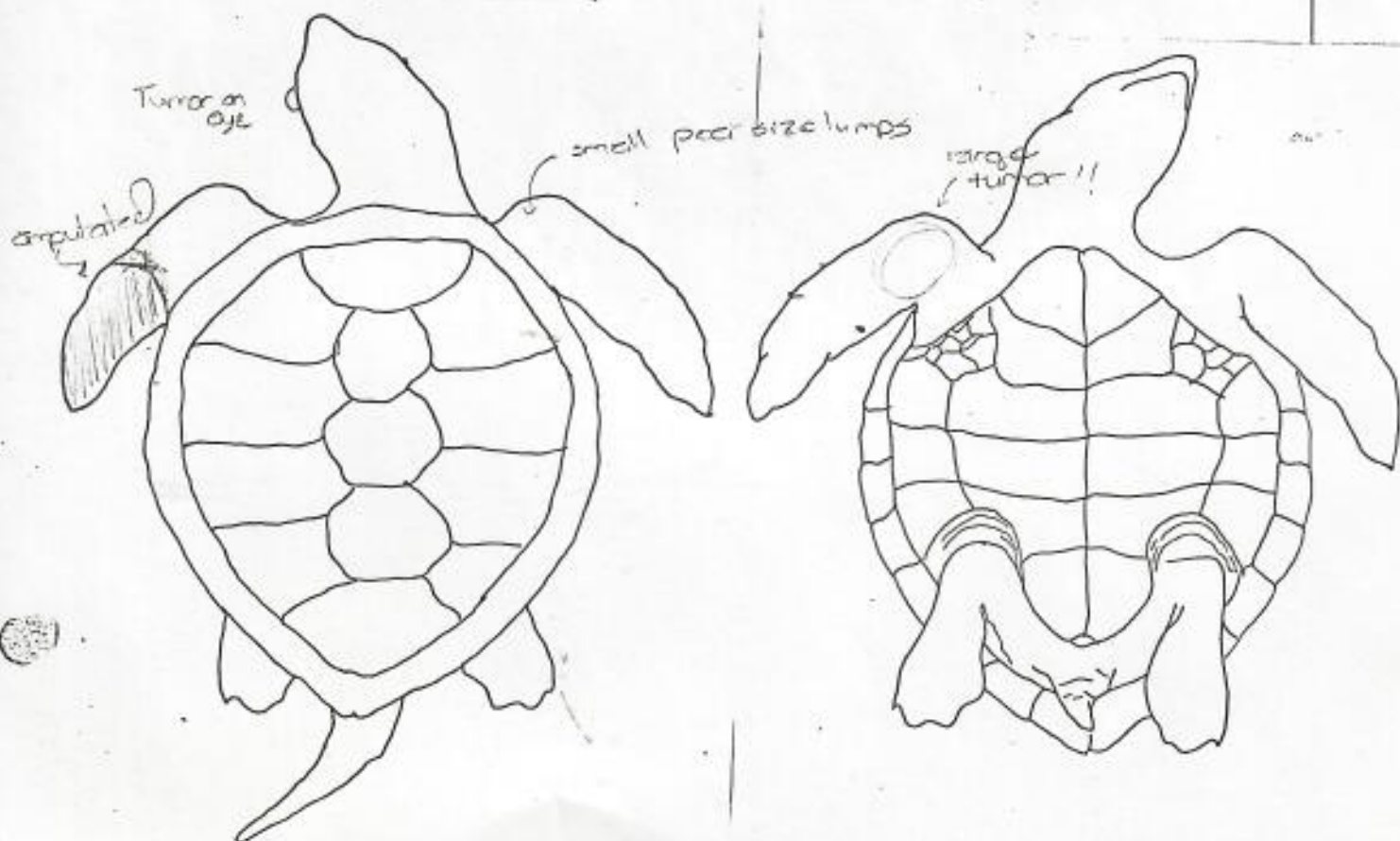
CONDITION OF Turtle: resting 18

KNOWN OR PROBABLE CAUSE: Tiger shark 17

OTHER COMMENTS: 1st identified 4/1/89 w/o wound on patrol (eye) 16

PHOTOS TAKEN:

Date	Roll	Frame(s)	View and comments	Observer
4/29/89	T-7	11-12	Amputation (stub) + 1 Eye	BAZ UNIT
4/30/89	T-5	23, 24	Amputation + 2 eyes; @ eye.	





INJURY FIELD NO. 1  
Turtle ID TO1

## II. RESIGHTINGS, PROGRESS REPORT

Date	Time	Sec	Obser	Comments (color/cond. of wound, cond. of Turtle)	PHOTOS
5/11/72	1017	8	UMH	hauled up just above wet sand on point in sector B; naive. Disperses around on a whim. Eye has red tissue protruding & does not appear to react to movement of observer. Eye also has red tissue protruding but appears to react normally. (Blinking, reacting to observer w/ a slight start).	T-5 Fr. 25, 26
5/12	1000	10	CLC	hauled up B.P. alert but didn't see me - eyesight is impaired - leg is protruding a bit but bill size is ok. eye slightly has a slight bump. Looks like extra tissue (bump) near posterior (tail area) - tail looks longer than eye for a B.	T-7:30 AM
5/12	1036	8	CLC	Turtle to B.P. eye has sand on them. Isthmic - possibly damage that I was with 5 feet off the head. Amputated. Tissue not bleeding.	T-9:13 AM 18
5/7	1449	8	UMH	Turtle b.p. 1. Evidently alert (moved when I saw me). Pink tissue still coming out of eye; eye tissue now looks light brown.	8 pictures
5/9	1000	8	CLC	Turtle B.P. 1 - alert initially, moved towards H.O. edge. When I approached - appears to be on the road to recovery.	none
5/10	1030	8	CLC	B.P. 1 - same location as previous day, didn't check condition of wound.	none
5/10	1111	8	UMH	looks preliminary - b.p. 1 → alert to an idea to	8
5/10	1500	8	CLC	same as previous sighting - B.P. same location, didn't get close to check wound.	8
5/10	1025	8	CLC	see last part in sector B. Didn't want to harass the turtle to E. left on me - very wary.	8
5/13	1043	8	UMH	ap. 1 at point in sector B. Turtle not alert at all - Disperses rather hasty in sand. Action? Dead? Wound looked fairly fresh - some white tissue still trailing.	8
5/14	1256	8	292	Alive	8

(sec=sector, Obser=initials of observer)



INJURY FIELD NO. 1

Turtle ID 101

## II. RESIGHTINGS, PROGRESS REPORT

Date	Time	Sec	Obser	Comments (color/cond. of wound, cond. of seal)	PHOTOS
5/11/88	14:37	B	SAZ	BP1 - very still but alive	Ø
5/12/88	11:21	B	CLA	BP1 - still alive	Ø
5/12	10:25	B	CLA	BP1 - facing towards the water spit & dorsal fin up to surface	Ø
5/20/88	10:11	B	CLA	BP1 - didn't get really close (couldn't see on census on 5/10/89!!)	Ø
5/24	14:24	B	LM4	b.p.1 - fairly alert - raised head as I went in - (at least 10 ft away). Had been at b.p.2 before in pm. (from tracks in sand).	Ø
5/24	15:04	B	LMH/SAZ	Flipped turtle to read its leg - the leg was embedded in the tumor so had to twist it through to read it. Turtle was alert, flapping its front flippers & appeared to handle the stick ok. Went into H.D. after it was flipped back onto its ventral. Last frog-egg. Tumor was not quadrilateral - platform was irregular shape.	
6/1/88	10:24	B	LMH	turtle saw net headed straight for boat looked pretty healthy.	Ø
7/6/88	15:08	B	LMH	b.p.1 - tumor on @ eye seems to have subsided pink tissue no longer extending. Tissue still protruding from @ eye @ eye appears to be blind - turtle did not react to me approaching it from this side. @ eye seems to be ok vision wise - turtle started when I approached from this side. Pictures taken of @ eye + computerized frog-eggs; @ hind flippers and @ side of head.	T-22; 29-31

(sec=sector, Obser=initials of observer)



Table 2.--Immature green turtles newly tagged at \_\_\_\_\_

(dates)

Tag No.	Date	Location	Status	Carapace length (cm)	
				Straight	Curved

Tag # 15078 Broken - not applied  
(7/14/89 !!)



# SEA TURTLE TAGGING FORM

ID numbers of new tags attached and any old tags already present <sup>1</sup>		Species <sup>2</sup> and sex (if known)	Date and time	Place-name location (or latitude and longitude)	Activity of the turtle <sup>3</sup>	Curved carapace length <sup>4</sup>
Left front flipper	Right front flipper					
5912	5911	Green ♀(?)	11/5/90 1505 hr D. Becker K. Lombard M. Burchard	Laysan J. marks M. moorman	Roosting	77.5 cm Top of carapace to lower edge of notch (chord) marked
5897	5898	Green	11/90 1515 hr	" "	Roosting	60.0 cm

<sup>1</sup>If old tags are present, please carefully record the ID number and the complete address inscription. Indicate if the tag is made of metal or plastic. Use the back of this form if more space is needed to provide details on each turtle handled. Two tags should be applied to all turtles handled.

<sup>2</sup>CM = Chelonia mydas (green turtle), EI = Eretmochelys imbricata (hawksbill), CC = Caretta caretta (loggerhead), LO = Lepidochelys olivacea (olive ridley), DC = Dermochelys coriacea (leatherback), ND = Natator depressa (Australian flatback).

<sup>3</sup>Activities include (for example) nesting on the beach, swimming or resting in the sea, injured or found sick, etc.  
<sup>4</sup>Measured with a flexible tape along the curvature of the midline of the upper shell (carapace).

Name and address of person filling out this form:

Brenda Becker  
 Laysan Fall 1990  
 Oct. 13 - Nov. 8  
 no animals tagged!

Return to: G. BALAZS

HONOLULU LABORATORY  
 Southwest Fisheries Center  
 2570 Dole Street  
 Honolulu, HI 96822-2396



Turtles

LISIANSKI 1990

from  
Lesley

MALE

Tag NO	Date	Location
Left Right		
6762	6/14	30
6488	6/16	11
6762	<del>7/19</del> 7/1, 7/19	26
2963	7/19	27 → Pics of RT RF
<del>6762</del>		
6465	6/16	12 → OBS mmL
6466	6/19	11 } could be the same animal? LRT

need - Nesting observations -  
Fresh tracks or?  
nesting pits?

★ TAGS + pliers  
ANT



Female

Tag No                      DATE                      LOCATION  
LEFT                      RIGHT

2951                      6/14/6/15                      15

8554                      6/14                      7

~~666~~                      ~~6/14~~                      ~~27~~

2885                      6/17                      6

1260                      6/17                      45

N-8                      7/1                      27

N-8                      7/10                      27

8554                      7/12                      38

N-8                      7/18                      27

399                      8/7                      27

N-8                      6/23                      27

T260                      7/28                      33

N-8                      8/3                      27

399                      8/7                      27

Big tag too?

→ (T<sub>3</sub> → large turtle, very skabbish.)

(Tag was big & thick.)

Big TAG TOO?

same?



IMMATURE

TAG NO		DATE	LOCATION
LEFT	RIGHT	#	
8672	8673	7/1, 7/9	27
8665	8666	7/10, 7/12, 7/18, 6/19, 7/4, 7/21, 8/5	27
	2951	6/14	15
	<del>116</del>	<del>6/15</del>	



N7 <sup>3</sup> → OR which are? N8? N6?

NEWLY TAGGED

TAG NO	LEFT	RIGHT	SEX	DATE	LIS/LOCATION	SIZE
		N-8	♀	6/23	27	93cm
		N-6	U (IMMATURE)	6/15	13	49cm
		N-5	F	6/15	13	size?

See photo Log (circled around N-8)

yes → HAD MASSIVE TUMORS (circled around N-8)

Unknowns	Sec.	Date	Tag
T <sub>2</sub> F	29	6/28	
T <sub>2</sub> M	29	6/28	→ L M Tag
T <sub>3</sub> U	29	7/4	
T <sub>1</sub> U	27	7/4	
T <sub>2</sub> F	27	7/6	
T <sub>2</sub> U	27	7/6	
T <sub>3</sub> M	27	7/6	
T <sub>2</sub> F	20	7/13	
T <sub>2</sub> F	26	7/15	
T <sub>3</sub> F	21	7/18	
T <sub>3</sub> F	15	7/21	
T <sub>3</sub> F	29	7/22	→ <del>Definitely had no tags</del>
T <sub>1</sub> U	25	7/23	
T <sub>2</sub> F	19	7/23	
T <sub>2</sub> F	19	7/30	- No tags
T <sub>2</sub> F	27	8/5	"
T <sub>2</sub> F	13	8/7	
T <sub>2</sub> F	26	8/7	
T <sub>3</sub> M	27	8/7	T <sub>3</sub> F 27 8/7 - in tags



HONOLULU LABORATORY  
 Southwest Fisheries Center  
 2570 Dole Street  
 Honolulu, HI 96822-2396

Please return to BALAZS  
 AFTER FIELD SEASON -  
 INCLUDING UNUSED TAGS, PLIERS  
 + ANY RUINED TAGS

or Resighted Lisianski

Table 2. ~~Immature~~ green turtles newly tagged at Lisianski 1990  
 (dates)

Tag No.	LR SEX	Date	Location	i.e. nesting, basking Status IN WATER CAPTURE, ETC., Basking	Carapace length (cm)	
					Straight	Curved
6762	L M	6/14/90	Lisianski/Sec. 30			
2951	R F	"	" / Sec. 15			
8554	R F	"	" / Sec. 7			
2951	R F	"	" / Sec. 27			
N5	R F	"	" / Sec.			
N6	R U	"	" / Sec. 13			

49cm

Juvenile →