

BALAZS
1993-95

6

MOLOKAI

19-22 July 93

28 - Sept. 94 to 1 Oct. 94

10-14 July 95

6

SCP 94-09
19-22 JULY 93 PALAAU

SITE = N

SITE = 0

(3) Pick-up DAYS
47 captures (no TAG Resights)
(23 w/tumors)

(1) Pick-up DAY
17 captures (2 w/tumors)

64 TOTAL TAGS (39, 190)

TAGS USED =
J151-J182
J183-J241
J304-J328

V788-V800

V609-V639

From Bill Pulelo's Supply

PAGES 1-41

SCP 95-02

TAGS USED: J701-800
J901-J950

(22) 28⁰⁰ SEPTEMBER 94 TO 1 OCTOBER 94

(4) Pick-up days

DATA Page 42-57

SITE B = 3 days (34)

SITE C = 1 day (12)

46 captures (45 Bullpen, 1 Boat dwe)
19 w/tumors
= (4190)
7 Recoveries = 15,290

(23) 10-14 JULY 95 PALAAU ALL SITE A
4 pick-up days

Tide = p. 110

DATA = p. 58

NARRATIVE / TIDE CHART = p. 112

56 captures
(34 w/tumors)
(16 Recoveries)

B445-B475

B401-B425

B476-B500

B801-B885



Composition Book • 9 1/4 in. x 7 1/2 in.

Available As:

Item No.	Sheets	Ruling
09-9130	60	College Ruled & Margin
09-9132	60	College Ruled & Margin & Paged
09-9134	100	College Ruled & Margin

ESSELTE

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7/24/93

TAGS Given to Marc Rice THIS DATE
TO TAKE with him to NECKER

1

V641 - V642 (Test Lock) + 1 pliers
V643 - V700 (58)
V801 - V825 (25)

~~LATER~~ Returned

V879 - V900
V901 - V999

← TAGS + 2 pliers
given ^{BACK} to Bill 7/22/93

~~Need to send~~

Erin Ashitomi
P.O. Box 174
Kaunakakai, HI 96748

← Bill's Assistant

DATE

Aug 94

DAET BICOY saw small turtles w/TAGS
while swimming off Pukoo Molokai - sleeping
K9760 left 110 --

[K Bay 9/25/91 & 8/21/94, K976L3-4; K975
V474, V475
V476

note - no. 110 --
so likely NOT K976
he read.

553-5702 = Ed Medeiros

553-3798 = Bill. Puleloa

PALAU MOOKAI

9/28/94 Depart 555 Am arrived 620 Am Moloikai.
Wed. Dollar Car rental \$32.95. Ed had
sent net at (near) SITE B finished at
1 PM 9/27 TUES.

Tide Chart
Summer P. 42
Page 46

Depart HK Dock ~ 730 AM. Calm,
glossy, very little surf. Aboard, Ed,
Mr. Medeiros, Mike ^{Chang}, Trip (Samoa was
from Calif), and Bill Lulelog.

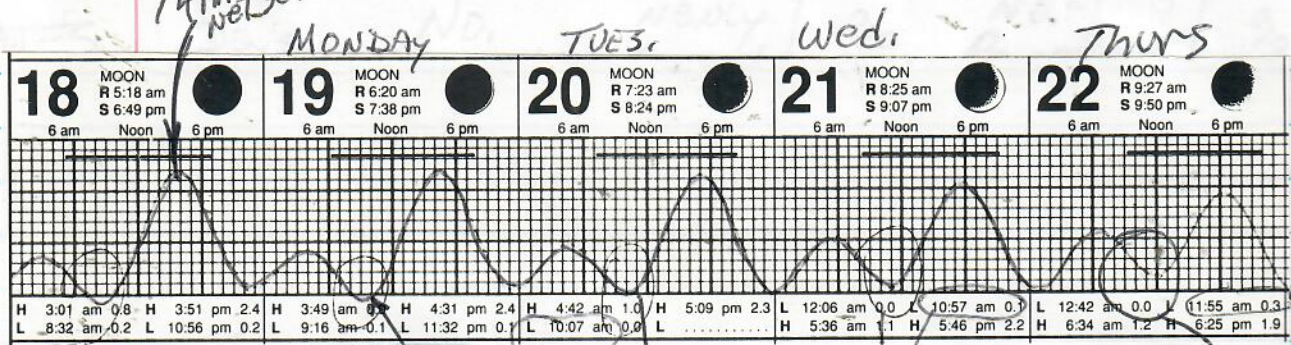
14 captures - but 2 left in pen
that we couldn't catch. Again, no
rays or sharks. one UVA ~ 30 lbs.
Papa - small, few, + 2 small coolers of
Weke ~ 45 min.

Snorkeled afterwards at anchor on
reef just to the east of Palau "harbor".
Wot a single turtle seen -
sleeping or otherwise.

9/29/94 Depart Dock ~ 715 am. "Masi" Samoa
Thursday
7 grader (12 years old), LeeAnn SATO
(beach volleyball), Mike, Bill, Mr. Medeiros.
Calm, glossy. Lots of AKU seen
hitting the surface over a wide area
on the trip to net. While motoring
across shallow reef and sand patches
at angle from harbor entrance to Site B
we saw 6-8 turtles either swimming or
resting on the bottom in shallow (5' deep) water.

July 93

4 pm netset



Low = 9:16 am
-0.1
High = 4:31 pm
+2.4 Day 1

Day 2

Day 3

SITE N

Days 1-3

Off Coconut Grove -
300-400 yards
slightly to
the left.

12 - ALL NEW

(4 w/Tumors)
No Recaps

21 - ALL NEW

(10 w/Tumors)
No Recaps

14 - ALL NEW

(9 w/Tumors)
No Recaps

DAY 4 - SITE = D

ALL NEW
17 captures
(2 Tumors)
NO Recaps

MOST
SMALL

3 DAYS - SITE =

	TOTAL	Tumors
7/19	12	4
7/20	21	10
7/21	14	9
	<u>47</u>	<u>23</u>

INSTRUCTIONS FOR USING POLYSINE™ GLASS SLIDES

* 2 to 5 micron thick tissue sections are cut and floated on a prewarmed water bath which is filled with distilled water. Add **only** distilled water to the water bath. Polysine slides already have all the tissue and cell adhesive you will need.

Mount your tissue sections carefully the first time since the adherence of cells and tissue happens quickly. Tissues can be repositioned for about the first minute but thereafter bonding occurs rapidly and thoroughly.

Dry the slides at room temperature first by standing them up vertically and allowing them to drain. When the slides are completely drained dry them in a standard convection oven. Quick drying with a microwave oven can also be employed.

If you ever lose tissue sections the usual cause is a water bath contaminated with inferior water or a subbing solution. Simply use distilled water or good quality tap water for the best adherence.

David J. Brigati, M.D.

DATES	Days fishing	No. Captured	NO. Newly tagged	NO. WITH TMR		NO. WITH TMR	
				% Time	NO. N/TAGS Recaptured	% TMR	% TMR
28 FEB. - 2 MAR. 90	2	13	12	(5) 41.7%	2.0 1	(0) 0%	
7-9 MAY 90	3	51	44	(5) 11.4%	13.7 7	(1) 14.3%	
2-3 JULY 90	2	36	29	(10) 34.5%	19.4 7	(3) 42.9%	
9-11 JULY 90	3	82	72	(13) 18.1%	12.2 10	(3) 30.0%	
9-11 JULY 91	3	31	28	(6) 21.4%	9.7 3	(1) 33.3%	
15-16 NOV 91	2	45	27	(9) 33%	40.9 18	(7) 39%	
4-6 DEC 91	3	41	26	(12) 46.2%	36.6 15	(9) 60%	
26-29 MAY 92	4	121	84	(38) 45.2%	30.6 37	(26) 70.3%	
29-31 JULY 92	3	70	57	(27) 47.4%	18.6 13	(8) 41.5%	
4-6 JAN 93	3	55	32	(12) 37.5%	41.8 23	(12) 52%	

545 405 (137) 27.2% 148 (70) (33.8%) (47.3%)

19-22 JULY 93 4

64 (25) = 39%

SEPT 28-1 OCT. 94 4

46 (19) = 41% (34) = 60.7%

39 (15) 38.5% (22) 57.1% (4) 57.1%

10-14 JULY 95 4

56 (28) 40 (21)

55% (16) (7) 75%

15-19 JULY 96 5

65 = 48.3% 58

36.2% 10.8 7 100%

7/19/93
Monday

Aloha ^{Island} Air Fl. 1224 depart Oahu
by myself for Molokai

Ed has net set ~ 200 yards from
shore off Coconut Grove site
where Alan ^{KAMPA} & I camped in
~ 1981. Drove out paliwai
road 3 gates, but only one
has lock - Molokai Ranch owned
by New Zealand people.

Arrive at net ~ 9am.
Guide extends nearly to stone
wall of fish pond slightly to
the east. This is first ~~site~~
~~where~~ time this site has
been set. Breakers are
relatively close to ~~edge~~ shore
here.

Along on trip - Erin Asthitomi

Bill, Byron, Mike Chang, Ed,
Marc Rice arrived 4:30pm

7/19.

Noted turtle seaward hauled out
on coral head.

30th wedding Anniversary

7/20 Drove to net again.

TUES.

21 turtles.
Late in afternoon Bill & Marc

7/20

7/21
Wed

Depart Aloha ^{Island} Air
1:30pm Fl 1145

Thu
7/22

7/20 and I drove to Moomomi,
 Sites of nesting stacks = 3, 2,
 1, 1, = 7 sites

2 separate sets of tracks visible,
 one near east cliff - very recent and
 very likely a "good" nest.
 Dr. Largent and Joan Aidem
 still walk beach and keep
 detailed info on nesting activities.

7/21 Third pick-up day at new site 0
 Wed. just off and to the left of
 coconut grove.

7.8 miles along dirt road to
 Coconut grove from paved highway.

Joan Aidem reported a dead
 turtle washed ashore past
 Moomomi - instructions given to
 pull it up and bury at
 marked site.

Ed moved net today to another
 new site off Waikane (petroglyph)
 to the left.

Thunder & lightning this night.

Thursday
 7/22

GB & EA only, plus lots of Ed's
 family like yesterday - 17 captures -
 2 W/Tumors - ^{AGAIN} NO Recaptures.

Depart Aloha IS Air
 1:30pm FC 1145.

DAY 1

July 19, 93

SITE = N

28°C Seawater,

Water Depth Low Tide - 3'

Halophila abundantly growing
in sand/silt bottom within
bull pen - and seaward see
during Rice/Bakz's snorkel 7/21.

Bull pen estimated 300 yards from
coconut grove shore.

Marc Rice departed 7/21/93 5pm

21° 05' 23" N	157° 09' 18" W
21° 05' 22" N	157° 09' 19" W
21° 05' 21" N	157° 09' 18" W
21° 05' 22" N	157° 09' 19" W

21° 5' 21" N

1570 09' 18" N

SEND Bill Pollutant Analysis Report !!
+ MARC + IMMUNODIAGNOSTIC

13
7/19/93
DAY 1

TAGS

Straight
L x N x W

Curved
L x W

RFL J151 ① 47.8 x 47.6 x 38.5 51.5 x 44.0
LFL J152 → clean
RH J153

RFL J154 ② 43.2 x 42.7 x 35.8 46.5 x 42.0
LFL J155 → clean

RFL J156 ③ 50.5 x 50.3 x 39.3 53.5 x 44.5
LFL J157 → clean
RH J158

RA J159 ④ 43.5 x 43.1 x 35.6 47.0 x 42.0
LFL J160 L45 = MISSING ANIMAL = Clean!

RFL J161 ⑤ 44.0 x 43.5 x 35.1 47.0 x 41.0
LFL J162 → clean

RFL J163 ⑥ 56.3 x 56.1 x 45.0 60.5 x 59.0
~~J164~~ boat/discarded
J165 = L3-4 ANIMAL = clean but SKINNY!
J166 (RH) (mild emaciation)

J167 (RFL) ⑦ 45.6 x 45.4 x 37.2 49.0 x 44.0
J168 (LFL) → clean!

J169 (RFL) ⑧ 41.0 x 40.2 x 32.7 44.0 x 39.0
J170 (LFL) → clean

SITE = N GB EM
BP EA
7/19/93 BE

7/19/93

15
DAY 1

J171 (REF) ⑨ 63.0 x 62.8 x 50.4 68.5 x 60.0

J172 (LFL)

J173 (RH) LEFT eye = #1 (2) LFF = #1

right eye = #1 + #2 SCORE = ①

J174 (REF) ⑩ 57.6 x 57.3 x 47.3 61.5 x 55.5

J175 (LFL)

J176 (RH) LEFT eye #1 (2) SCORE = ①

rt. eye #1

J177 (REF) ⑪ 61.8 x 61.2 x 49.2 66.5 x 59.0

J178 (L3-4)

J179 (RH) L SAW HINGE = #3 NECK = #1 (7); #2

R JAW HINGE = #1 LFF = #3; #2 (3); #1 (3)

RFF = #2 (7); #1 (5);

LH = #2

SCORE = ③

J180 (REF) ⑫ 50.8 x 50.5 x 38.1 54.5 x 46.0

J181 (L3-4)

J182 (LH) L eye = #1 (2)

R eye = #1 (2); #2

RFF #2

LFL = #4; hanging

NECK = #2

RH = #2

SCORE = ③

Polysine SLIDE imprints
and biopsies taken
for A. Reith.

end Day 1

16

7/19/93

DAY 1

SITE = N

TURTLE NO. J180 SL = 50.8 cm

J180-A LEFT
~~RIGHT~~ neck No. 2 PAPILLOFORM
BLACK

J180-B #4 LEFT FF PINK PAPILLOFORM

J180-C RIGHT HIND #2 PINK PAPILLOFORM

J180-D RIGHT FF #2 PINK PAPILLOFORM

J180-E NORMAL SKIN RIGHT SHOULDER

ABOVE BIOPSIES TAKEN OF 4 tumors plus
normal skin for Albrecht Reith -
Radium Hospital of Norway - now
in Van Courbe, B.C.
IMPRINTS MADE on polysine coated
slides, plus biopsy placed in
10% buffered formalin.

DAY 2 20 JULY 93 SITE = N 19

TAGS	STRAIGHT			CURVED		
	L	N	W	L	X	W

J185 (RFL) ① 49.3 x 48.9 x 39.9 53.5 x 48.5

J184 (LF) → tag discarded

J185 (RH) LFL J186 replacement clean!

~~discarded ← J188 & J190~~

J187 (RF) ② 38.5 x 37.8 x 37.9 41.5 x 38.5

RFL J189 (good) → clean! → Shawn - Don't enter in TDPS

J193 (RH)

J191 (LF)

③ 40.4 x 39.9 x 32.7 43.0 x 39.0

J202 (RF) → clean!

J203 (LF)

J204 (LH)

④ 46.2 x 46.1 x 36.2 50.5 x 44.5

J205 (RF) → clean!

J206 (LF) J207 (RH)

J208 (RF) ⑤ 60.0 x 59.4 x 48.1 64.5 x 59.0

J209 (LF) LEFT ^{FRONT} FLIPPER 3/4 amputated + healed over

J210 (RH) r eye #1, #2 LF base #1, #2(2)

eye #1, #2(2) neck #3 patch

RH #2 LH #1, #2 SCORE: 2

J211 (RH) ⑥ 47.3 x 47.1 x 39.1 51.5 x 46.0

J212 (LH) → clean

J213 (RH)

J214 (L3-4) ⑦ 46.7 x 46.4 x 38.1 51.0 x 45.0

J215 (R3-4) eye #1 LF #2(2)

J216 (LH) eye #1(3) RF #1(2) = 1 at tag site SCORE: 1

20 July 93

SIDE = N
STRAIGHT

DAY 2
CURVED 21

TAGS

L X N X W

L X W

J219 (RF) ⑧ 47.6 x 47.4 x 37.6

51.5 x 45.0

J220 (LF) RF #2 cloaca #2

J221 (LH) LF #2

SCORE: 1

J223 (LF) ⑨ 70.5 x 70.2 x 56.7

76.0 x 69.5

J224 (RF) LF #3

J225 (RH) R eye #1 L eye #1

SCORE: 1

J192 (LF) ⑩ 51.4 x 50.9 x 40.5

58.0 x 48.5

J194 (RF) L eye #1 (2)

J195 (RH) R eye #1

SCORE: 1

J196 (LF) ⑪ 56.6 x 56.1 x 37.8

50.0 x 46.0

J197 (RF) L → clean

J198 (LH)

J199 (LF) ⑫ 59.2 x 59.0 x 47.0

64.0 x 57.0

J200 (RF) L → clean

J226 (RH)

J227 (LF) ⑬ 59.4 x 59.2 x 46.8

64.0 x 55.0

J228 (RF) L eye #1

SCORE: 1

J229 (LH)

J231 (LF) ⑭ 45.0 x 44.2 x 36.4

48.0 x 43.0

J233 (RF) L → clean

J235 (RH)

DAY 2 DATE 7/20/93 SIDE = N

Straight
L N W

Curved
L W

J237(LF) (15) 45.6 x 45.4 x 36.2

49.0 x 43.5

J239(RF) → clean

J236(RH)

J240(RF) (16) 57.6 x 57.5 x 38.4

57.0 x 47.5

J241(LF) → clean

J304(LH)

J327(LF) (17) 55.3 x 55.0 x 44.0 ^{10% formalin} 60.0 x 52.0
polysine slide imprints and biopsies in
for A. Reith

J328(RF) LF #2 RH #2

neck #2(5)

SCORE = (2)

J307(LF) (18) 57.7 x 57.4 x 43.9

62.5 x 50.0

J308(RF) → clean

J313(LF) (19) 43.3 x 43.7 x 34.6

46.0 x 47.0

J314(R3-4) LF #2(5)

eye #1, #2(2)

RF #2(5) #1(2)

eye #2(2)

polysine slide
imprints and
biopsies in
10% formalin
for A. Reith.

Left jaw hinge #1

neck #1(3), #2(8)

tail #2

RH #2(2) #1(3)

LH #2

SCORE = (2)

J315(L3-4) (20) 44.7 x 44.5 x 35.0

48.5 x 41.0

J316(RF) RF #3, #2, #1(3)

LF #1(5)

NECK #2

SCORE (2)

polysine slide
imprints and biopsies
in 10% formalin
for A. Reith.

DAY 2

7-20-93

SNE = N

25

STRAIGHT
L ~~IN~~ W

Curved

L W

J317 (L3-4) (21) 52.6 x 52.4 x 39.3

56.5 x 48.0

J318 (R3-4)

RH #2(3)

LH #2

Cloaca #2

R eye #1, #2

L eye #1, #2

L jaw hinge #2

neck #4 multilobe

↳ #2(2) #3(2)

LF → #4 multilobe

#1(3) #2(3)

RF #3 #2(3)

#1(4)

SCORE (4)

Polysine SLIDE imprints for A. Reith

TURTLE J313 SL = 43.3

J313-A #2 NECK PINK-WHITISH P/A

J313-B #2 NECK BLACK P/A

J313-C #2 RT SHOULDER BLACK P/A

J313-D #2 RFF BLACK P/A

J313-E NORMAL SKIN LEFT SHOULDER

J313-F #2 LFF PINK P/A

Vancouver

2nd Biopsy

in 10% formalin

TURTLE J315 SL = 44.7

J315-A #3 RE shoulder P/A BLACK

J315-B #2 RE shoulder BLACK P/A

J315-C #1 LFF BLACK SMOOTH

J315-D #1 LFF? BLACK P/A

J315-E LEFT SHOULDER NORMAL SKIN

DAY 2

7/20/93

SITE = N

Polysine SLIDE imprints

27

SL = 52.6

TURTLE J317 (NOTE: ~~plugs~~)

- J317-A #4 NECK grey PAPILLOFORM
- J317-B #3 LFF grey smooth
- J317-C #3 NECK PINK PAPILLOFORM
- J317-D #2 Right shoulder PAPILLOFORM
- J317-E #2 RFF grey PAPILLOFORM
- J317-F #2 LFF grey PAPILLOFORM
- J317-G LEFT SHOULDER NORMAL SKIN

Biopsies
NOT
sampled
for
this
turtle.
Slide imprints
only

SL = 53.3

TURTLE J327

- J327-A #2 NECK PINK PAPILLOFORM
- B #2 NECK PINK PAPILLOFORM
- C #2 NECK PINK PAPILLOFORM
- D LEFT SHOULDER NORMAL SKIN

BAD TAGS - NOT USED - DESTROYED
AND DISCARDED. *by Leg Pat*

J230	J277	J309
J242	J310	J311
J234	J306	J326
J222	J216	J217
J238	J312	
J243	J320	
J305	J319	
J232	J324	
J244	J321	
J276	J325	

J165 recaptured today

7/21/93

J151 recaptured

J169 recaptured today

29

SIDE = N

21 July 93 Wednesday

DAY 3

V788 (LF) ① 44.5 x 44.7 x 36.6

47.5 x 42.5

V789 (RF) → clean (also not panted)

V790 (RH) ↖ rt eye ~~OK~~ suspicious bump

V791 (RF) ② 41.6 x 41.4 x 32.5

44.5 x 38.0

V792 (LF) → clean

V793 (RH)

V794 (RF) ③ 53.4 x 53.3 x 41.8

57.5 x 50.5

V795 (LF) ↖ LH = "eaten away" Both hind flippers 1/2 missing and healed.

V796 (RF) → clean

V797 (LF) ④ 53.1 x 52.9 x 41.4

50.0 x 50.0

V798 (RF) → clean

V799 (RH)

V800 (RF) ⑤ 61.7 x 61.5 x 49.4

66.5 x 60.5

V609 (LF) → clean

V610 (LH)

V611 (RF) ⑥ 56.7 x 56.1 x 43.5

60.0 x 50.0

V612 (LF) LEFT eye #1

V613 (RH) RFE #1

SCORE 1

V-614 (RF) ⑦ 49.1 x 48.7 x 37.1

52.5 x 44.0

~~V-615 (LF)~~ tag discarded.

LFL tom this date with tag.

V-616 (L3-4)

V-617 (RH) Lt. eye #2 + bloody

SCORE 1

7/21/93

DAY 3

SITE = N 31

V618 (RF) (8) 46.0 x 45.5 x 38.2 50.0 x 45.0

V619 (LF) Lt. eye #1

V620 (RH) rt. eye #1, #2 (SCORE #2)
mouth roof #2

V621 (RF) (9) 56.2 x 56.0 x 45.2 60.5 x 54.0

V622 (LF) rt eye #2

V623 (RH) (SCORE 1)

V624 (RF) (10) 54.5 x 54.3 x 43.2 59.0 x 50.5

V625 (LF) ^{Suspicious} Wmp Lt eye #1 LFF #1

V626 (RH) Neck #2 (SCORE 1)

V627 (L3-4) (11) 55.1 x 54.7 x 44.9 59.5 x 53.0

V628 (L3-4) (R25) R2 SCALE = missing and healed

V629 (RH) Lt eye #1, #2 LFF #2(2), #4

rt eye #2 RFF #2(6), #1(3)

mouth #1 (rt jaw hinge)

#2 (lt. jaw hinge)

NECK #2(3); #1(2)

RT HIND #2 (SCORE 3)

V630 (L3-4) (12) 43.0 x 42.6 x 34.8 47.0 x 41.5

V631 (RH) NECK #3

V632 (R3-4) RFF #3 mouth #1 rt jaw hinge

LFF #1(6), #2(2)

LEFT eye #1, #2 (SCORE 3)

RT eye #2(2)

7-21-93

DAY 3

SITE = N 33

V633 (LF) (13) 63.0 x 67.9 x 49.7 68.0 x 60.0

V634 (RF) lt eye #2

V635 (RH) rt eye #2

RFF #2 "PATCH"

SCORE 1

V636 (RF) (14) 56.6 x 56.4 x 44.2 61.0 x 52.5

V637 (LF)

V638 (RH) LFF #1, #2(2)

V639 (LH) RFF #1 #2(2)

RH #1

NECK #2(4)

Left jaw hinge #2

Rt jaw hinge #1

Left eye #2

rt eye #1, #2

SCORE 2

V640 (PHOENIX) tag given to

V787 (ROSIE) " " "

V615 - KAI Keith

photo with turtle -
NikonosV615 locked ^{given} - Kai

J327

V630

7/21/93

Wcap & GB
Rice & GB5' deep removal
of net, resting
under ledges.

7/21/93 Net moved this date eastward
toward Waikane (petroglyph man site)

Joan Aiken reported dead turtle
washed up past Moomani. No external
sign of injury.

SITE

DAY 4 7/22/93⁰

37

straight

curved

TAGS

L X N X W

L X W

V826 RFL

① 42.6

42.4

34.1

46.0

41.5

V827 LFL

V828 RH

② 53.1

53.0

41.6

57.0

49.5

V829 LFL

V830 RFL suspicious bump dorsal neck

V831 RH

③ 77.5

77.3

58.5

83.0

72.5

V832 RFL

V833 LFL likely male

score #1

V834 RH R. eye 1#1

V835 LH L. eye 1#1

V836 LFL

④

62.2

62.0

50.8

66.5

61.0

V837 RFL

R. eye: 1#1

L. eye 2#2

V838 RH

1#2

R.F. flipper 1#1, 1#2 (RFL)

neck 5#2, 1#1, L jaw hinge 1#1

LH 1#3 RH 1#2

S=#2

V839 LFL

⑤

56.3

56.1

45.1

61.0

56.0

V840 RFL

V841 RH

⑥ 48.4

48.2

38.2

52.5

45.5

V842 RFL

V843 LFL

V844 RH

V845 LFL

⑦

60.4

61.0

48.4

64.0

56.5

V846 RFL

healing injury on RFL

V847 RH

Day 4 7/22/93

SITE ①

straight
L x N x W

curved³⁹
L x W

Tags ②

V848 RFL 44.8 44.4 36.1 47.5 42.0

V849 LFL

V850 RH 3rd lateral right-healing circular impact (likely spear point)

V851 LFL ⑨ 42.9 42.4 34.9 46.5 41.5

V852 RFL 1-DB

V853 RH 1-VB

V854 RFL ⑩ 41.1 39.8 32.3

V855 LFL *Rico's turtle* ☺

V856 RH

V857 RFL ⑪ 45.0 44.7 36.2 48.5 43.0

V858 LFL

V859 RH

V860 LFL ⑫ 42.6 42.2 34.6 46.0 39.0

V861 RFL

V862 RH

V863 RFL ⑬ 39.4 39.1 32.1 42.5 37.5

V864 LFL *Danielle's turtle* ☺ → (8yrs. old) ←

shown - NOT FOR TDPS

V865 RH

V866 RFL ⑭ 49.9 49.4 32.6 42.0 38.0

V867 LFL

V868 RH

~~XXXXX~~
~~XXXXX~~

SITE=

Day 4

7/22/93

END DAY 4 41

straight

curved

Tags

L x N x W

L x W

V869 RFL

40.9

40.3

33.0

44.0

38.5

V870 LFL

V871 RH

Scratch

V872 RFL

42.8

42.2

37.1

46.0

42.5

V873 RFL

V874 LFL

V875 RH

Tag # V872 given to Phoebe

Shawn don't enter

42.2

41.7

34.0

45.0

39.0

V876 RFL

V877 LFL

V878 RH



SEPTEMBER 9/4

NET SET 1 PM @ 1/4

SITE B

PICKUP #1

SITE B

PICKUP #2

SITE B

PICKUP #3

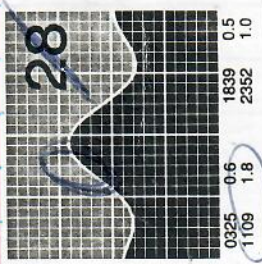
SITE B

PICKUP #4

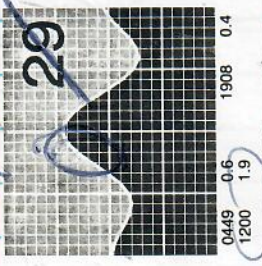
SITE C



TUES.



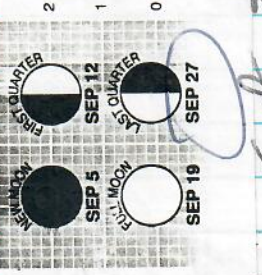
wed



Thurs



Friday



Sat →

1 OCT 4 SAT.

9/28-10/1/94 PAAZAAU, Molokai
 46 DNA Blood - Numbers on Tubes

J931	R248
J927	J746
J943	J766
J930	J786
J915	J718
J918	Z90
J798	J729
J909	J782
J912	9248
J906	J736
J921	J725
J935	J742
J924	J733
J947	J722
V587	J701
J902	9235
J774	J714
J778	J710
J791	J704
J794	J707
H990	
J750	
J754	
J770	
J762	
J758	

Recoveries

9/28 - 10/1/94

45

7 out of 46

9235, R327, R328, R~~659~~

Score = 0

Y931, Z90

Score = 2

R247, R248, R249

Score = 2

9242, 9243

Score = 1

7937, 7938, Z175

Score = 0

H991, H990, H992, ~~H993~~

Score = 0

V587, V588, 50232

Score = 3

1994

9/27-9/28/94 DAY 1 pickup = (14) Captures
 (with 2 Recoveries (1 TMR, 1 NOTMR)
 8 Tumors (7 New, 1 Recovery)
 SITE = B

14 - DNA Blood

9/28-9/29/94 DAY 2 pickup = 14 CAPTURES
 (with 3 Recoveries (2 TMR, 1 NO TMR)
 6 Tumors (4 New, 2 Recoveries)
 SITE = B
 14 - DNA Blood

9/29-9/30 DAY 3 pickup = ^{6 TOTAL} 6 CAPTURES (5 + 1 GAB)
 (with 2 recoveries (1 TMR, 1 NOTMR)
 3 Tumors (2 New, 1 Recovery)
 + 1 recapture from DAY 1
 SITE = B
 6 - DNA Blood

9/30-10/1/94 DAY 4 pickup
 12 CAPTURES
 NO Recoveries
 2 w/Tumors
 SITE = C
 12 - DNA Blood

46 TOTAL DNA Blood

TOTAL CAPTURES 46 (45 Bullpen + BOAT DIVE)

7 Recoveries (15.2%) (4 w/Tumors)

39 Newly Tagged (15 w/Tumors)

46 CAPTURES (41%) 19 Tumors

$$\begin{array}{r} 41\% \\ 46 \overline{) 19.00} \\ \underline{184} \\ 60 \end{array}$$

9/27-9/29/94 Pick up Day # 1

Length & Notch
STRAIGHT

Length
~~Curved~~
CURVED

SITE = 47
B

DNA Blood

TAGS

J-701 RFL 45.9 x 45.3 50.0 ✓
J-702 LFL
J-703 LH (1)

J-704 RFL 49.3 x 48.8 53.5 ✓
J-705 LFL (2)
J-706 LH

J-707 RFL 59.3 x 59.0 64.0 ✓
J-708 LFL (3)
J-709 LH

J-710 RFL 64.5 x 64.7 69.5 ✓
J-711 LFL TMR (4)
J-712 LH J-713 RH | 1-#1 RIGHT eye | SCORE = 1

J-714 RFL 65.5 x 65.4 71.5 ✓
J-715 LFL (5)
J-716 LH J-717 RH HEALED INJURY RH

J-718 RFL 68.3 x 68.1 75.0 ✓
J-719 LFL (6)
J-720 RH J-721 LH

1994

9/27-9/28/94 DAY 1 pickup = (14) Captures
 (with 2 Recoveries (1 TMR, 1 NOTMR)
 8 Tumors (7 new, 1 Recovered)
 TUE wed SITE = B

14 - DNA Blood

9/28-9/29/94 DAY 2 pickup = 14 CAPTURES
 (with 3 Recoveries (2 TMR, 1 NO TMR)
 6 Tumors (4 new, 2 Recovered)
 wed Thurs SITE = B

14 - DNA Blood

9/29-9/30/94 DAY 3 pickup = 6 TOTAL CAPTURES (5 + 1 GIB + BOAT DIVE)
 (with 2 recoveries (1 TMR, 1 NOTMR)
 3 Tumors (2 new, 1 recovered)
 + 1 acceptance from DAY 1
 Thurs Friday SITE = B

6 - DNA Blood

9/30-10/1/94 DAY 4 pickup = 12 CAPTURES
 NO Recoveries
 2 w/Tumors
 SITE = C

12 - DNA Blood

46 TOTAL DNA Blood

TOTAL CAPTURES 46 (45 Bullpen + BOAT DIVE)

7 Recoveries (15.2%) (4 w/Tumors)
 39 Newly Tagged (15 w/Tumors)

46 CAPTURES (41-70) 19 Tumors

2 41%
 46 / 19.00
 184
 60

9/27-9/28/94 Pick up Day # 1

Length & Notch

~~Length~~
CURVED

SNE = 47

B

DNA Blood

TAGS

STRAIGHT

J-701 RFL 45.9 x 45.3 50.0 ✓ (1)
 J-702 LFL
 J-703 LH

J-704 RFL 49.3 x 48.8 53.5 ✓ (2)
 J-705 LFL
 J-706 LH

J-707 RFL 59.3 x 59.0 64.0 ✓ (3)
 J-708 LFL
 J-709 LH

J-710 RFL 64.5 x 64.7 69.5 ✓ (4)
 J-711 LFL TMR
 J-712 LH J-713 RH | 1-#1 RIGHT eye | SCORE = 1

J-714 RFL 65.5 x 65.4 71.5 ✓ (5)
 J-715 LFL
 J-716 LH J-717 RH HEALED INJURY RH

J-718 RFL 68.3 x 68.1 75.0 ✓ (6)
 J-719 LFL
 J-720 RH J-721 LH

9/27-9/28/94
TAGS

DAY 1 SITE = B
Length & notch
STRAIGHT

Length
CURVED

DNA
Blood

9/21-9/2
TAG

J-722 LFL 53.3 x 53.1 57.0 ✓
J-723 LH 1#3 RFL TAG SITE (7)
J-724 RH TMR (SCORE = 2)

J-736
J-737
J-738
J-739

9235 RFL 58.1 x 57.7 65.0 ✓
R327 LH (8)
R328 RH pc broken & healed
R655 RFL

RECOVERED

J-90
K-931
J-740
J-741

J-725 RFL 1#2 Lt eye TMR SCORE = 1 ✓
J-726 LFL 1#1 RFF (9)
J-727 RH 64.0 x 63.5 69.0
J-728 LH

J-742
J-743
J-744
J-745

J-729 RFL TMR SCORE = 1 ✓
J-730 LFL 59.7 x 59.3 65.0 (10)
J-731 LH 1#2 Lt jaw hinge
J-732 RH 1#1 - neck
2#2 "horny growth" projectile → (spur) on LEFT Flapper

J-733 R3-4 TMR SCORE = 2
J-734 L3-4 1#3 RFL 60.7 x 60.4 65.5 ✓
J-735 RH 5#2 LFL (11)
1#3 LH tag site
(ADULT LEECHES on tumor (RFL))
1#1 rt eye
1#1 Lt eye - RELEASED at HARBOR, PALAU
1#1 Lt jaw hinge
1#1 rt jaw hinge

9/27-9/28/94 DAY 1 SITE = B

A
0026

TAGS

Length & notch
STRAIGHT

Length
Curved

DNA
Blood

J-736 LFL Lt eye 1#1, 1#2

TMR SCORE = Score 2

J-737 RFL Rt eye 1#2

J-738 LH 69.3 X 67.1

74.0

(12)

J-739 RH

Blue PLASTIC

TMR SCORE = 2

J-90 LFL Lt eye 1#1 and #2

Y-931 RFL Rt eye 1#1

(13)

J-740 LH 66.9

J-741 RH ~~66.9~~ X 65.6

72.5

NEW

J-742 LFL Rt eye 1#2

TMR SCORE = 3

R3-4 Lt eye 2#1

(14)

J743 Lt jaw hinge 1#2

J744 LH Lt hind 1#2

J745 RH tail 1#3

RH 1#2

RFF 1#3, 2#2

LFF 4 #2

65.3 X 64.9

71.0

9/28-9/29/94

Day 2 SITE = B

Length & Notch

Length
Curved

DNA
Blood

9/23-9/20

TAGS

TAGS

STRAIGHT

J746 RFL
J747 LFL
J748 LH
J749 RH

49.7 x 49.4

53.0

✓
①

J774
J775
J776
J777

J750 RFL
J751 LFL
J752 LH

J753 RH

44.1 x 43.8

47.0

✓
②

J778
J779
J780
J781

J754 RFL
J755 LFL
J756 LH

J757 RH

59.6 x 59.3

64.0

✓
③

R-248
R-249
R-247

J758 RFL
J759 LFL
J760 LH

J761 RH

47.4 x 47.1

50.0

✓
④

Recover
J782

J762 RFL
J763 LFL
J764 LH

J765 RH

61.6 x 60.9

67.5

✓
⑤

J783
J784
J785

J766 RFL
J767 LFL
J768 RH

J769 RH

59.9 x 59.7

64.5

TMR SCORE = 1

✓
⑥

R eye 1#1 Lt eye 1#1

J786 R
J787 R

J770 RFL
J771 LFL
J772 LH

J773

48.7 x 48.4

51.5

✓
⑦

J788 L

9/28-9/29/94 DAY 2 SITE ~~910~~ = B

51

DNA
ood

TAGS

Length & Notch
STRAIGHT

Length
Curved

Blood
DNA

J774 RFL

TMR SCORE = 1

✓

J775 L3-4

71.6 x 71.3

77.0

(8)

J776 RH

LFL 1 #1

J777 LH

Rt eye 1 #1

HEALED V-notches =

Double

J778 RFL

~~HEALED V-notches~~ RFL + LFL - TAG LOSS?

✓

J779 LFL

(9)

J781 LH

60.3 x 60.1

64.5

J780 RH

R-248 RFL

47.8 x 47.6

51.5

✓

R-249 RA

TMR SCORE = 2

(10)

R-247 LFL

RH: 1-#2 at tag site

Recovery

Reye: 1-#1

LH 1-#2

Legs: 1-#1, 1-#2

J782 RFL

~~emaciated mild~~ mild emaciation

✓

J783 LFL

65.8 x 65.5

70.5

(11)

J784 LH

TMR SCORE = 2

J785 RH

neck = 1-#3

Rt eye = 1-#1

Lt eye = 1-#1

TMR SCORE = 3

73.2 x 73.1

78.0

(12)

J786 R3-4

J787 RH

gloftos: 1-#2

J788 LH

L jaw hinge: 1-#1, 2-#1 RJ hinge: 1-#1, 1-#2

Legs: 1-#1, 1-#3 Reye: 1-#1, 1-#2

BFF: 2-#3, 2-#2, 1-#1 NECK: 2-#3, 5-#2, 1-#1

RH 1-#3 LH 1-#3 LFL: 1-#3, 4-#2, 3-#1

9/28-9/29/94 DAY 2

SITE-B

53

TAGS

Length & notch
STRAIGHT

Length
Curved

DNA
Blood

Recovery

TMR Score 1

9242 LFL

9243 RFL R eye 1#1

L eye 1#1

J789 RH (new)

J790 LH (new)

69.1 x 68.5

74.5

✓
(13)

7938 RFL

Recovery

76.1 = Notch Length

width length
(W) (L) ↓

7937 LFL

76.3 x 58.4 (W)
width

72.0 x 82.0

Z-175 L3-4

(L)

J791 LH (new)

J792 RH (new)

✓
(14)

9/29 - 9/30/94
Thurs Friday

SITE = B Pickup Day 3

9/29 - Thurs

TAGS

~~STRAIGHT~~
L X N X W

Curved
L X W

Blood
DNA

(6)

Below
~~Below~~ Turtle found at 11:30am 9/30/94 entangled in "wing" of bullpen - forced submergence for unknown length of time, unconscious. Tube inserted into glottis and ventilation provided at 5 min. intervals. Also, pressure of carapace given at intervals to stimulate heart function. Tail reflex present upon recovery. Unaided breathing started / noted after about 30 minutes. Turtle held overnight at Pau Hana Inn - released (10/1/94) AM at (PALAU) SITE C

J-906 REL 46.4 X 43.1 (width) 46.5 X 46.0
 J-907 LFL 42.9 (notch)

J-908 LH

START 9/30-10/1/94 DAY 4 SITE C

J 909 RFL
 J910 LFL
 J911 RH

43.5
43.1 (notch)

"KAUWILA"

Light Brownish coloration to carapace (call "Kauwila" by W.P.)

~~CONTINUED~~ DAY 4 SITE C
 ON P. 56

TAGS

H-991

H-990

H-992

J-794

J-795

J-796

V-587

50232

V-588

RECOVER

J-798

J-799

J-500

J-901

J-902

J-903

J-904

J-905

9/29-9/30/94

SITE = B

Day 3 pickup

Thurs. Friday

Length & NOTCH & width

(Length & width)

~~BLEED~~
DVA

TAGS

STRAIGHT

CURVED

A	H-991 RFL	55.9 (notch)	length	width	(1)
	H-990 RFL	56.0 x 43.9 (width)	51.5 x 61.0		

H-992 RH
H-793 LH
RECOVERY

	J-794 RFL	46.8 (Notch)	length		✓
	J-795 LFL	37.3 x 47.0	43.5 x 51.0		(2)
	J-796 RH	J-797 LH			

	V-587 RFL	NEUR: 1#3, 1#2	AFF 1#3, 1#2 at toe site		✓
	50232 LFL	eye: 1#2, 1#1	LFL 1#4 ; 2#2		(3)
	V-588 RH	eye: 1#2	mild smaculated		

RECOVERY
TMR SCORE = 3
hand grab by GB! BOAT-DIVER
44.5 x 57.8 = also notch 57.8
width length
L jaw hinge 1#1
width length
NOT Bull pen

	J-798 RFL	LFF 1#2	<u>TMR SCORE = 1</u>		✓
	J-799 LFL				(4)
	J-800 LH	52.8 x 67.1	64.0 x 72.0		
	J-901 RH	66.8 (notch)			

	J-902 RFL	<u>LFF 1#3</u> → LFF at toe site	MOTTLED CARAPACE		
	J-903 LH	1#4 ; 1# LFF	yellow mottled		✓
(1)	J-904 RH	RFF 1#1, 1#2	Rt jaw hinge 1#1		(5)
	J-905 L3-4	eye 1#1, 1#2	eye 1#1, 1#2		

4 SITE		58.3 x 78.8	width	length	72.0 x 84.0
56		mouth too 78.8			<u>TMR SCORE = 3</u>

56

9/30-10/1/94

DAY 4

SITE = C

Length & Pick up
NOTCH
STRAIGHTLength
CURVEDCONTINUED
FROM
of Bottom
P. 54
Blood
DNA

TAGS

J912 RFL	41.9 (41.3 notch)	44.0	(2)
J913 LFL			
J914 RH			
J915 RFL	44.9 (44.6 notch)	48.5	(3)
J916 LFL			
J917 RH	L Hind = healed notch but not at tag site.		
J918 RFL			✓
J919 LFL	44.8 (44.0 notch)	49.0	(4)
J920 RH			
J921 RFL			✓
J922 LFL	46.3 (45.6 notch)	49.5	(5)
J923 RH			
J924 RFL	broken + healed RFF humerus.		✓
J924 LFL	"KAUWILA" Light brownish color to carapace		(6)
J925 LH	43.6 (43.2)	46.5	
J926 RH			
J927 LFL	71.1 (71.1 notch)	76.5	✓
J928 RFL			(7)
J929 RH	Right Regc 2 #1		
J930 LH	L jaw hinge 1 #1 6 centrals		

TMR SCORE = 1

9/30/94 - 10/1/94

DAY 4

SITE-C

EXP 57

Length & notch

Length

Blood

TAGS

STRAIGHT

CURVED

DNA

J931 RFL

54.9 (54.5 notch)

59.5

J932 LFL

J933 LH

J934 RH

Eye 1#1

Eye 1#1

~~WAZO~~ L#1 TRIL/obACA

TEMP SCOPE=1

(8)

J935 LFL

J936 RFL

48.2 x 47.9

52.0

(9)

J937 LH

J938 RH

"KAUWILA" light brownish color TO CARAPACE

J939 RFL

50.5 (50.1 notch)

54.5

(10)

J940 LFL

J941 LH

J942 RH

"KAUWILA" color to carapace

J943 RFL

J944 LFL

61.8 & 61.4 (notch)

66.5

(11)

J945 LH

J946 RH

J947 RFL

PLASTRON = 63.6

J948 LH

J949 RH

77.6

(width)

78.5 x 84.0

(12)

J950 LFL

77.4 (notch)

63.1 straight width

GHB CALL = STEVE KAISER

Sunday 9th

* copies of sheets to Bill

58

7-10 July 1995 July 1995

DAY 1 - Net set ~ 3 PM, SITE A PALMAN 7/9/95

ARRIVE ~ 9:30 AM - 2 turtles only, both tagged

Large hole in net likely from large shark.

Sea water = 79.5°F (1 TMR, 1 TMR)
2 Turtles (1 new, 1 Recovery)

10-11 July 1995

DAY 2 SITE A
10 Turtles (9 new, 4 Recovery)3 Boat dive by Dart east of harbor.
= 13

11-12 July 1995

DAY 3 SITE A
28 Turtles (19 new, 9 Recoveries)

12-13 July 1995

DAY 4 SITE A 13 Turtles (11 new, 2 Recoveries)
(+1 from Day 1)TOTAL = 56 (34 TMR) (27 TMR, 12 TMR)
(40 new, 16 Recoveries)
= 90~~See p. 106-109~~

SITE A 10 JULY 95 DAY 1

Bill's fax (808) 567-9014 59

TAGS

STRAIGHT

CURVED

SCORE =

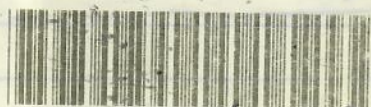
2

LFL B445
RFL B446
LH B447
RH B448

38.4 (wide)
S-49.4 (length)
N-49.2

1-#2 LEYE-NO VISION

#1
#2 REYE



1F6C565649

new PIT

3-1 cm long 0.5 cm deep
scaple incisions - profuse bleeding

RECOVERY

STRAIGHT

63.5 x 63.4 x 49.4

with scaple 10884 (LFL)

5/10 on #4 tumor

SCORE = 3

CURVED

68.0 x 61.0

auto cuts
immunosuppression
10883 (RFL)
H623 (LH)
profuse bleeding

3 cut for immunization, but did not bleed

NOTE: RH = healed notch i.e. loose tag?

Tumor: Biopsy into Glutaraldehyde

RFL #2 (2ea)
#1 (1ea)

LT eye #1 (1ea)
RT eye #2 (1ea)
#1 (1ea)

TO AA 11/8/95

LT jaw hinge #3 (1ea)
RT jaw hinge #1 (1ea)
#2 (1ea)

glottis #2 (1)

new PIT



1F695C0E0E

new PIT

A.I. = autoimmunized
Shawn - please
see me
regarding
wording
for TDP

SITE A
DAY 2 - 7/10 - 7/11/95 PACMAN

TAGS
7/11/95

STRAIGHT

CURVED

LFL B.449: 63.9 x 63.7 x 49.4 / ^{gluteraldehyde} 68.0 x 61.0

R3-4 B.450 TO AA 11/8/95 → biopsy "I" with biopsy punch for plasma

LH B.451 RFL #2(2) = 1 @ tag spot ~~Blood taken~~

RH B.452 neck #2(1) rt eye #1(1ea) DNA punch rt shoulder



1F74557424

new pit

SCORE = 2

Blood for plasma banking

(#2)

L3-4 B.453

67.5 x 67.4 x 50.5 AUTO "I" with biopsy punch

71.5 x 62.0

Blood for plasma banking

R3-4 B.454

LFL #2(1); LFF #2(1ea)

DNA punch from RH

LH B.455

RFL #3(1)

RH B.456

RFE #3(1); #2(1); #1(1)

rt eye #1(1)

neck #2(1ea)

LH #2(1)

7/11/95

lt eye #1(1)

tail #2(1ea)

RH #2(1)

biopsy into gluteraldehyde



1F605E3C5A

new pit

never located

SCORE = 3

~~7/11/95~~
11/8/95

TAGS

7/11/95

STRAIGHT

with biopsy punches

CURVED

LFL 10887

66.7 x 66.4 x 52.8

RFL 10888

Recovery 1

72.0 x 65.0
AUTO ~~metastatic~~

LH B457

LFL #4(1)

NECK #3(1); #2(1)

RH B458

LFF #2(1)

left eye #1(1)

L healed notch

LH #2(1)

rt eye #1(1)

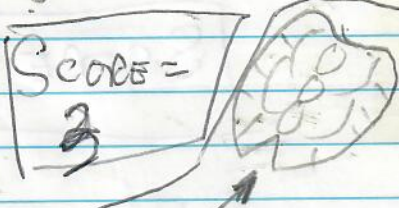
DNA punch LFF

possible tag loss



1F6C63345E

new pit



Blood for plasma banking

#4

NOTE: rear of amputee gone!

53.6 x 47.9

57.5 x 58.5

LFL R205

59.5 (est.)

Recovery 2

64.0 (estimate)

sham - see me

RFL R204

RH R207

LFL #3(1)

LFF #2(3); #1(2)

LH R206

RFL #3(2)

RFF #2(2)

neck #3(1); #2(3)

Blood for plasma banking

7/11/95

lt eye #2(1)

rt eye #2(1)

leeches! + egg

RH (#2) 2; #1(1)

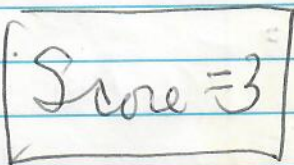
LH (#2) 2

Biopsy into lateral lymph node TO AA 11/8/95

jaw hinges: Right #1(1)

Left #1(2)

DNA punch LH



1F716A493D

new pit

ONE OF THE TUMORS WAS AUTO IMMUNIZED BY WITH MULTIPLE BIOPSY PUNCH INCISIONS BUT LOCATION OF TUMOR WASNT RECORDED

TAGS

STRAIGHT

CURVED

LFL B134
LH B459
RH B460

weight down

46.6 x 46.4 x 36.2 50.0 x 44.0

NOTE: Left eye missing - healed.

RFL #2(1) = auto "I" with biopsy punch

rt eye #1(2)

DNA PUNCH = DNA punch

neck #2(2)

Biopsy into glutaraldehyde. Blood for plasma banking. TO AA 11/8/95

(5)

7/11/95



1F6C536F33

new pit

Recovery (3)

Score = 1

(6)

LFL B461
RFL B462
LH B463
(RH) B464

63.4 x 62.8 x 48.7

68.5 x 60.0



1F725A1C78

new pit

Blood for plasma banking

DNA punch

(7)

71.4 x 71.2 x 56.1

77.5 x 70.0

LFL B465
RFL B466
LH B467
RH B468



1F6D235470

new pit

DNA punch
LFF = Biopsy for DNA

blood for plasma banking.

7/11/95

DAY 2 SITE A 7/10-7/14/95

BTM

8

STRAIGHT

CURVED

LFL B469

63.5 x 63.3 x 49.3

68.0 x 60.0

RFL B470

LH B471

RH B472



1F70305A5A

new PIT

Blood for plasma banking

7/11/95

LFF = DNA PUNCH

Score = 3

LH B473

70.4 x 70.4 x 55.1

75.0 x 66.5

R3-4 B474

beecher + eggs!

LFF = DNA PUNCH,

Blood for plasma banking

L3-4 B475

7/11/95

RFF #3(2); #2(3)

RH #3(1)

LFF #2(1); #3(1)

L eye #2(2); #1(1)

LH #2(1)

neck #3(1); #2(3)

r eye #2(1); No vision!

PLASTON Seaman #2(1)



1F68753044

new PIT

tail cloaca #1(1)

glottis #2(1)

#1(1)

left + right jaw hinges

7/11/95

Recovery 4

LFL 7227

73.8 x 73.6 x 58.2

80.0 x 71.0

RFL 7228

RH H614

LFF #4(1); #2(1)

L3-4 Z93

NECK #1(2); #2(3)

R3-4 D

RFF #3(2); #2(2)

50283

left eye #1(1)

LEFT jaw hinge =

ri eye #1(3)

#1(1)

"Russe" log pot for TDS



1F70496642

new PIT

Blood for plasma banking

Score = 3

7/11/95

all released Site G 65
at "mangrove swale"
harbor i.e.

NOTE: Following three = "boat dive" biomass
D/wn Harbor + Korman Biomass Temp of
90 f
EQUALS SITE

(11)

STRAIGHT

CURVE

LFL B401

43.8 x 43.4 x 35.1

47.0 x 41.0

RFL B402



LH = DNA punch

~~blood~~ ~~blood~~ ~~blood~~

REL B403

62.7 x 62.7 x 48.7

67.0 x 59.0

RH B404

LH B405

LEFT eye #2(2)

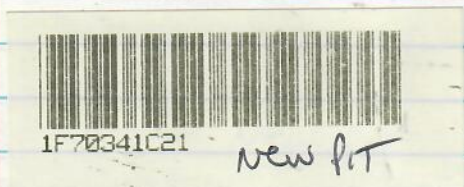
LF jaw hinge #2(1)

ri eye #2(1)

rt jaw hinge #1(1)

LFE #3(1)

(RH) #2(1) LH #3(1)



↳ DNA punch + auto "i"
with biopsy punch

Score = 3

Score = 3

LFL B406

67.8 x 67.5 x 52.1

73.0 x 64.0

REL B407

LH B408

LFP #4(1)

neck #1(1)

RH #4(1)

carapace pleon #2(1)

ri eye #2(1)

tail #2(1) ↗

le eye #2(1)

tip = all around "also

LH = biopsy



with biopsy punch -
profuse bleeding.

7/11 (7/12/95) THIRD DAY: all caught at SITE A

TAGS : STRAIGHT CURVED

RFL J778
LFL J779
RH J780
LH J781

67.9 x 62.7 x 47.9

67.0 x 61.5



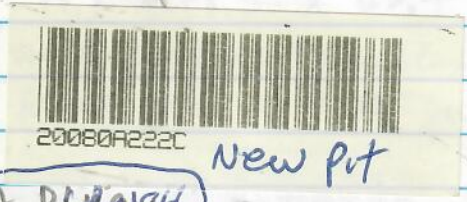
①
RECOVERY
Blood sample for plasma banking ①

②

48.8 x 48.4 x 38.8

57.5 x 49.0

LFL B409
REL B410
LH B411
RH B412



for plasma banking
Blood sample

DNA PLUGCH
RH

tumors: Lt. eye #1 (1)
Neck #1 (1)

Score = 1

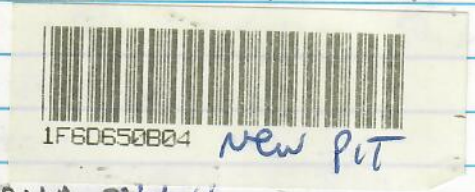
LFF: #1 (1) ← also → biopsy into
TO AA 11/8/95 Glutaraldehyde

③

65.1 x 64.9 x 49.2

70.0 x 61.0

RFL B413
LFL B414
RH B415
LH B416



Score = 1
Tumors: Left eye #1 (1)
Blood sample for plasma banking

DNA PLUGCH

④

67.1 x 66.8 x 52.3

72.0 x 63.5

LFL B417
REL B418
RH B419
LH B420



LH = DNA PLUGCH
Blood sample for Plasma banking
STRANGE SCAR on Left shoulder

TAGS

STRAIGHT

CURVED

RFL J778

67.9 x 62.7 x 47.9

67.0 x 61.5

LFL J779

RH J780

LH J781



① RECOVERY
Blood sample for plasma banking

②

48.8 x 48.4 x 38.8

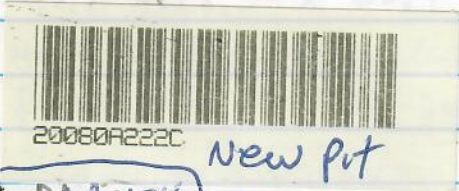
57.5 x 49.0

LFL B409

RFL B410

LH B411

RH B412



Blood sample for plasma banking

tumors: Lt. eye #1 (1)
Neck #1 (1)

DNA PUNCH RH

SCORE=1

LFF: #1 (1) ← also → biopsy into TO AA 118A5 Glutaraldehyde

③

65.1 x 64.9 x 49.2

70.0 x 61.0

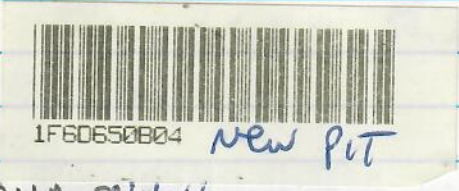
RFL B413

LFL B414

RH B415

LH B416

DNA PUNCH



Score=1

Tumors: Left eye #1 (1)

Blood sample for plasma banking

④

67.1 x 66.8 x 52.3

72.0 x 63.5

LFL B417

RFL B418

RH B419

LH B420



LH = DNA PUNCH

Blood sample for Plasma banking

STRANGE "Scer" on Left shoulder

7/11 - 7/12/95

SITE A Day 3

⑤ = RECOVERY 2

LFL T50210 72.9 x 72.9 x 57.3 78.0 x 68.0

↳ close to edge ("AUSSIE" TAG - should NOT FOR TDPS)

RFL V312 LH = DNA punch

RH V313

LH B421 = NEW TAG



Block sample for plasma banking.

⑥ 78.7 x 78.5 x 62.4 84.0 x 78.5

LFL B422 (NINE dorsal Bannels - L.O.)

RFL B423 Right Hind = DNA punch

LH B424

RH B425



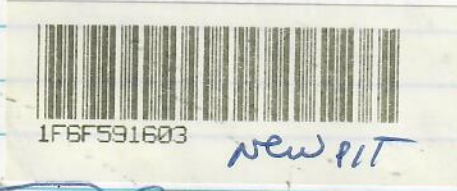
⑦ 65.1 x 65.1 x 50.2 70.0 x 63.5

LFL B476 = DNA punch

RFL B478

LH B479

RH B480



Clean!

⑧ RECOVERY 3

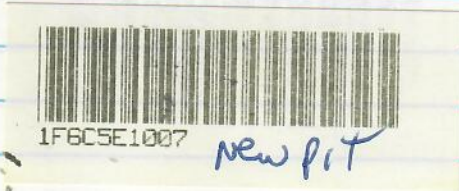
77.4 x 50.1 x 40.5 53.5 x 46.5

LFL J771 RH = DNA punch

RFL J770

RH J773

LH J772



7/11 - 7/12/95 SITE A

⑨ = Recovery

LFL Y839 61.7 X 61.0 X 49.1 66.0 X 61.0

RFL Y840

RH Y841

LH B481



LEF #1 (1)

Score = 1

new tag (DNA punch LH)

⑩

LFL B482 67.7 X 67.6 X 53.4

RFL B483

LH B484

RH B485

72.5 X 65.5

RFF = DNA punch



⑪

RFL B486 56.1 X 55.9 X 44.8

LFL B487

LH B488

RH B489

60.0 X 52.3

RFF DNA punch

clean!



⑫

Score = 1

RFL B477 64.4 X 64.2 X 49.5

LFL B490

LH B491

RH B492

70.0 X 60.5

RFL = DNA punch

TAIL: #1 (1)



biopsy INTO Glutaraldehyde to AA 11/13/95

7/11 - 7/12/95

SITE A

(13)

RFL H980

50.9 x 50.7 x 41.1

52.5 x 48.9

LFL H979

RH H981

LH B493

Comnew tag



1F6C593369

new PIT

LFL: DNA punch

(14)

53.2 x 53.0 x 41.4

56.5 x 50.0

LFL B494

RFL B495

LH B496

RH B497



1F7060454C

new PIT

LFL: DNA punch

(15)

49.7 x 49.4 x 40.1

53.5 x 47.0

LFL B498

RFL B499

LH B500

RH B801



1F60486446

new PIT

RFL: DNA punch
clean!

(16)

49.6 x 48.9 x 39.7

53.5 x 49.0

LFL V344

RFL V343

LH B802

RH B803



1F7221440F

new PIT

RFL: DNA punch

Recovery (5)

(17)

43.2 x 43.0 x 33.6

46.0 x 39.5

LFL B804

RFL B805

LH B806

RH B807



1F0F59204C

new PIT

Blood sample! for plasma
banking!

NOTE: ALL RELEASED EAST of channel!

(18) LFL B808 49.0 x 48.8 x 39.6

J2.5 x 46.0

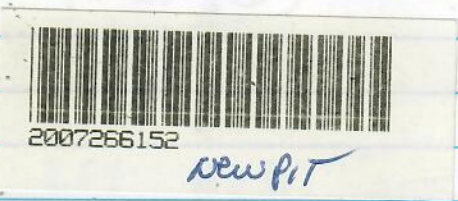
RFL B809
LH B810
RH B811



(19) LFL V843 52.7 x 52.5 x 41.8

J7.0 x 49.5

RFL V847
RH V844
LH B812



LFF: #1(2), #2(2)
Blood sample for plasma banking

Recovery (6) | Score = 1

B813 LFL 48.8 x 48.3 x 37.6

J2.0 x 45.0

B814 RFL LFF #3(1)
B815 LH Ljaw hinge #2(1)
B816 RH LH #2(1)



Blood for plasma banking

(20) Score = 2

(21) 59.9 x 59.4 x 49.1

65.0 x 56.5

Score = 2

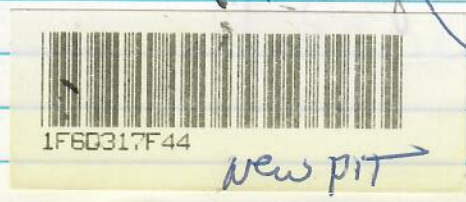
B817 LFL

B818 R3-4 rt eye #2(1) LFF #2(2) LH #3(1), #1(1)

B819 LH Lt eye #1(2) L & R jaw hinges #1 (each)

B820 RH RFF #1(3) one of which is at RFL!

Biopsy on #1 one NOT at RFL
(bleeding = AI)



into glutaraldehyde
TO AA
11/18/95

(22)

B821 LFL
B827 RFL
B823 LH
B824 RH

63.7 x 63.0 x 49.1

68.0 x 58.5



Lt eye #1(2)
rt eye #1(2)
neck #1(1)

no "auto i"

Score = 1

(23)

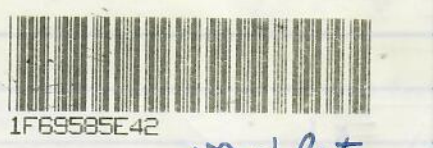
R15 V771
L15 V770
RH V580
LH B825

66.9 x 66.8 x 53.6

72.5 x 62.5

NECK #2(1) = auto i
EFF #2(1) = auto i
RH #1(1)

both did not bleed!



no tag

Score = 1

(24)

= NEW TAG

R3-4 B826
LFL B827
LH B828
RH B829

77.4 x 76.9 x 58.1

82.0 x 72.5

RFF #3(1) = auto i
rt eye #1(1)
left jaw hinge #2(1)



NO BLOOD Score = 2

RFL B830
LFL B831
LH B832
RH B833

66.7 x 66.5 x 53.6

71.5 x 63.5



lt eye #2(2)
rt eye #1(1)

(25)

Blood for plasma banking.

Score = 2

7/11/95 - 7/12/95 SITE A DAY 3 79

(26)

Recovery (P)

Y431 LFL 67.7 x 67.2 x 53.9 73.0 x 66.0

Y430 RFL Leeches "auto i"

SCORE = 3

B834 RH

4FF #3(2)



Le jaw #2(1)
rt jaw #1(1)

B835 LH

TO AA
118/95
biopsy

#1(1)

new PIT

LFF #3(1)

#4(1)

lt eye #2(1)

Blood sample for plasma banking

Wto Glutaraldehyde #2(1)

rt eye #1(1); #2(1)

(27)

60.5 x 60.4 x 49.5 66.5 x 60.5

B836 LFL

B837 RFL

B838 RH

B839 LH



lt eye #2(1) "auto i"

Le jaw hinge #2(1)

rt jaw hinge #1(1)

SCORE = 1

Blood sample for plasma banking

(28)

NOTE: Left Front flipper distal portion ~~missing~~ amputated and healed.
(healed over) thru radius + ulna

LFL 10767

NOTE: PIT TAG ON RFF!

RFL 10766

70.1 x 69.9 x 53.8

75.0 x 70.5

LH H580

LFF #3(1)

RH B840

RFF #3(1) = auto i

le eye #1(2)

le eye brow #1(1)

rt eye #2(1) + #1(3)

LH #1(2)

RH #2(1)

neck #2(1)



new PIT

Blood sample for plasma banking

SCORE = 2

Recovery (a)

7/12-7/13/95
Wed Thursday

DAY 4 SITE A 81

①

54.1 x 53.9 x 40.5

59.5 x 50.0

B841 LFL

B842 RFL

B843 LH

B844 RH



new PIT

Blood for
Blood, Plasma ~~for~~ banking,
LH: DNA patch

②

SCORE=1

B.845 LFL

56.7 x 55.8 x 43.7

60.5 x 57.0

AA

B.846 RFL

B847 LH

B848 RH



new PIT

LFL = DNA patch TO 11/8/95
Tumor: Lt jaw hinge #1 (1)
Blood for \rightarrow biopsy into glutaraldehyde
Plasma ~~for~~ banking

③

H991 LFL

57.7 x 59.1 x 44.7

67.0 x 54.0

H990 RFL

H993 LH

H992 RH



new PIT

LH = DNA patch
~~Blood for~~ Plasma ~~for~~ banking

④

B849 LH

67.8 x 67.4 x 51.3

72.5 x 63.5

B850 RH

B851 LFL

B852 RFL



new PIT

~~Blood for~~ Blood Sample broke
during centrifuging
clean

LFL = DNA patch

7/12 - 7/13/95

DAY 4

SITE A

83

⑤ ENTER TDBS
AS A
Receipture

B445 LFL : tagged 1st day blood for
a) drew blood today - plasma for banking
b) DNA punch LFF

⑥ 63.9 x 63.5 x 50.2

69.5 x 60.5

B853 LH

B854 RH

B855 LFL

B856 RFL



LH = DNA punch
Blood for plasma for banking

⑦ 70.7 x 70.6 x 54.1

76.0 x 66.5

B857 LH

B858 RH

B859 RFL

B860 LFL



LFF = DNA punch
Blood for plasma for banking

Tail shows ^{early} signs of maturing ♂
lengthening

⑧

B861 LH 79.9 x 79.4 x 61.9 ♂!

85.5 x 75.5

B862 RH Did ~~not~~ bleed - auto i - auto i - bled

B863 R3-4 New #2(3) RFF #2(1) #1(2)

B864 LFL rt eye #1(2)

lt eye #1(2)

rt jaw hinge #1(1)



RFF = DNA punch
Blood for plasma for banking

SCORE = 2

84

7/12 - 7/13/95

SITE A DAY 4

(9)

69.6 x 69.4 x 53.1

76.0 x 68.5

B877 LH

PCA on carapace

B878 RH

LEF: DNA punch Ljawh #1(3)

B879 LFL

Left eye #1(1)

B880 RFL

right eye #1(1)

Blood for plasma banking

SCORE = 1

(10)

68.5 x — x 54.2

74.0 x 67.0

9487 RFL

9486 LFL

R297 LH

B885 RH

RFF DNA punch rtjaw hinge #1(1)

r eye #2(1); #1(3) Neck #3(2); #2(1)

L eye #1(2)

RFF #2(3); #3(2)

LFF #2(1)

tail #3(1); #2(1) #3(1)

SCORE =

3

also #2(1) on PC = Carapace seam

(11)

64.8 x 64.5 x 50.8

70.0 x 63.0

B881 LH

B882 RH

B883 L3-4

B884 RFL

RFF: DNA punch

LFF1 #2(1) = auto i = no bleeding!

ri eye #1(1); #2(1)

LE eye #1(1)

Blood for plasma banking

SCORE = 2

7/12-7/13/95 DAY 4 SITE A

~~85~~

~~12~~

70.0 x 70.0 x 61.1

75.0 x 72.5

B865 LFL LFF #3(1) also DNA punch RH #2(2)
 B866 R3-H RFF #3(2), #4(1) emaciated
 B867 LH. Reye #2(1), #1(3) auto c
 B868 RH. eye #2(1) neck #2(1), #1(3)
 L jaw hinge #1(1)

Score=3

Blood for plasma banking

13

B869 LFL 69.6 x 69.5 x 53.0

75.0 x 64.0

B870 RFL RFF: DNA punch

B871 LH

NO AUTO-L!

B872 RH R eye: #2(1)

Score=1

Blood for plasma banking

14

B873 LFL 67.7 x 67.7 x 48.9

67.5 x 60.5

B874 RFL RFF: DNA punch

B875 LH left & right eye = #1(1)

Blood for plasma banking

B876 RH

Score=1

~~15~~

DAVE YOSHIDA - FIREMAN
 790 C Kihau Place
 HAIKU, MAUI 96708

Need to send photo

7/10 - 7/14/95 PACAANU, MOLOKAI

21 PLASMA FOR BANKING - SINGLE CRYOVIAL EACH

B 841-	XXXXXXXX	B 430-
B 846-	XXXXXXXX	B 830-
B 873-	XXXXXXXX	B 409-
B 445-	XXXXXXXX	V 770-
B 869-	XXXXXXXX	B 821-
B 877-	B 413-	B 836-
B 857-	J 778-	V 312-
XXXXXXXX	B 804-	XXXXXXXX
XXXXXXXX	B 842-	
XXXXXXXX	B 817-	
XXXXXXXX	B 417-	
XXXXXXXX	B 813-	

14 PLASMA BANKING - DUPLICATE CRYOVIALS

B 881	B 449
B 853	B 469
B 865	B 473
H 990	B 453
Z 134	B 461
B 457	7227
R 204	
B 465	

35 TOTAL

7/10 - 7/14/95 PACMAN,
MOLOKAI

107

9
~~10~~ - Tumor Biopsies INTO GLUTARALDEHYDE
then transferred into hamovskis
all sent

B 409

B 449

B 477

B 817

B 845

10883

Y430

Z134

R204

~~B453 - B456~~

to AA

11/8/95

7/10 - 7/14/95 skin

109

~~#3~~ DNA Punch
Palau, Molokai

B853-	B 413-	H 979-
B841-	B 422-	B 473-
B 846-	V 343-	B 465-
B 845-	B 482-	Z 134-
B 857-	V 839-	B 461-
B 861-	B 477-	7227-
H 990-	B 494-	B 406-
B 849-	B 498-	R 204-
B 865-	B 409-	B 469-
B 873-	V 312-	B 403-
9486-	B 417-	B 869
B 877-	B 486-	
B 881-	J 771-	
B 804-	B 476-	

B453

B449

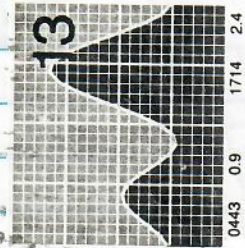
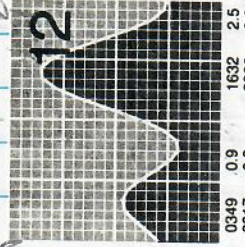
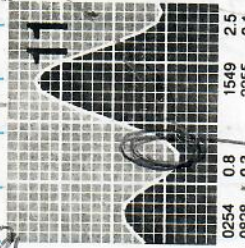
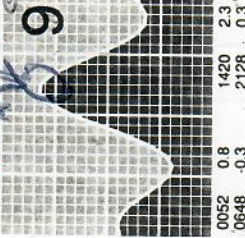
10887

B401

1995 July

110

SET SITE! MONDAY

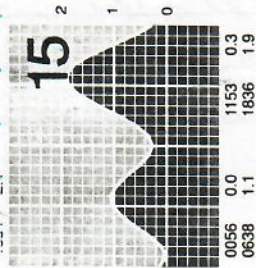
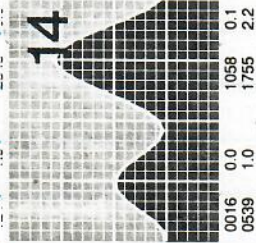


DAY 1 = 2 time.

DAY 7 = 10 + 3 beat give

DAY 3 = 28

DAY 4 = Thursday 13 (+1 from day 1)



56 TOTAL
34 off hours
16 Recoveries



need

ROD + JOY MALMGREN
223 RED CLOUD TERRACE
HENDERSON, NV. 89045
702 564 7780

PALAU

10 July 95 Depart Aloha Island Air 550a.m. \$24.99,
 MONDAY Arrive 620am Budget Car

Assembled gear at the airport.

Depart dock ~ Sam with Bill,
 Ed, Mr. Chang, Mike Chang, Don (AMN)
 13 y.o., Joe & Rod.

At net site ~ 9 AM,
 only 2 turtles - both with
 tumors. 1 - ~ 5" shark
 with white/light tip of dorsal fin.

NEEDS ^{duplicate}

- 1) Secure 5 - tags (J701-800
 J901-950 already
used
Motoh 7/1
9/94)
- 2) Mail to various
- 3) Another or extend contract - TMS rate shot
- 4) Achilles on Maui - check/decide ^{Authorize Payment}

July 10⁹⁵ - Bugged net - ~ 1-2 coolers of
 Monday fish, waterways. Large hole
 in pen (shark), but doesn't
 seem to me that large numbers
 of turtles would have escaped. Likely
 reason for low catch may be
 that net was set on top or
 decreasing tide during the day,
 therefore not catching full
 foraging cycle of turtles.
 Motored back to dock on inside
 arriving # 12 noon.

Pauland - AA + TAX
 Drove to Haulana Valley with bill
 photos. Right-side beach has sand
 washed away and is very steep right at
 Naupaka vegetation line. Drove to
 left side over bridge w/ permission, lots
 of campers or beach hivers. No sign of
 nesting. People say no turtles. But
 last year they say ~ 14 hatchlings
 on right side beach.

Dr. Cargen / Joan Aldem
 via Bill Report on
 nest at
 Moonooni

July 11 Tues. Day 2 pickup

July 12 Wed. Day 3 pickup

July 13 Thurs. Day 4 pickup

July 14 Depart FL 91 Hawaiian
 730 am

LOCATION, SIZE, AND NUMBER OF TUMORS

	#1	#2	#3	#4	Total	Remarks
RT. EYE						
LT. EYE						
MOUTH						
NECK						
RFF						
LFF						
RHF						
LHF						
CLOACA/TAIL						
SEAMS/SCUTES						
INTERNAL						
Total						

OTHER INFORMATION:

TAG =
 DATE =
 SCORE =

Approximate Tumor Size Categories:

#1 = detectable patch to 1cm diameter. #2 = >1cm to 4cm.
 #3 = >4cm to 10cm. #4 = >10cm.

22-26 APRIL 1985 Molokai ED. CHAMBER for BILL PEN (ME & ROBERT) - P. 37-71
 21-24 MAY 1985 ZEDIR. TO MOLOKAI P. 77-89
 28 MAY-3 JUNE 1985 Molokai (M&KAM) P. 89-103

3

22-26 APRIL 85
 TAGS NOS. 7942-7950 (9)
 7901-7925 (25)
 7876-7900 (25)
 8569-8600 (33)
 8626-8650 (25)
 8601 (1)
 TOTAL USED 118

BILL PULONA
 Box 175
 KUALAPUU,
 - 96757
 553-3378

ME
 LE
 mill
 cen
 dec
 met
 dec
 hec
 kilo
 myr

ED. DIANE - 553-5402
 VERNON McMILLAN Inc.
 THE ROYAL LINE

AIR MOLOKAI -
 553-3436
 MOLOKAI

4

COMPOSITION BOOK
 9 3/4 IN. x 7 1/2 IN. (24.8 cm x 19 cm)

TAGS LEFT FOR BILL
 4/26/85 -

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
 MADE IN U.S.A.

8602-8625 (24)
 8812-8825 (14)
 8826-8850 (25)
 TOTAL - 63

WE

5

21 MAY-3 JUNE 85
 8453-55 (3)
 8458-63 (6)
 TOTAL - 9

LIBRARY OF
 GEORGE H. BALAZS

8456, 8459 (USED AT MANI ELECTRIC)

INCOVER

Size 681

Y-355 Through Y-600
 TAGS + BLUE DICTION PLASTIC BB4401-BB4446
 (FROM LARRY GREEN)

5- JULY 1989
 SEND NMFS LAB
 VIRGINIA KEY 33149
 MIAMI, FL

10

GEORGE H. BALAZS
 ZOOLOGIST
 MARINE MAMMALS AND
 ENDANGERED SPECIES PROGRAM



MEMBER, IUCN MARINE TURTLE SPECIALIST GROUP

NATIONAL MARINE FISHERIES SERVICE
 2570 DOLE ST.
 HONOLULU, HAWAII 96822-2398

TELEPHONE
 (808) 943-1221
 (808) 395-8409

[Faint handwritten notes at the bottom of the page]

7 16-19 JULY 1985 MOLOKAI
(BULL-PEN) p.4-65

TAG SERIES USED - 8519 - 8550 (32)
7748 (1)
7792 - 7800 (9)
7801 - 7850 (50)
9401 - 9467 (67)

5-7 JULY 89
Y-355 TO Y-600; 9163-9181
BBA401 TO BBA446

TOTAL TAGS USED - 159

6 9476-9550 (75)
9393-9400 (8)
TOTAL = 83
Sent to Bill Puleoa on 7/24/85.

28 FEB - 90
2 MARCH '90
SITE A & C (2 days)
Y-601 - 636
+ 9202
1

11

Bill Puleoa
Box 175
KUALAPUU, MOLOKAI 96757

8 SITE =
3-4 JUNE 1987
BULLPEN w/ MEDS - REC
3 JUNE - 10 (1)
4 JUNE - 17 (3)
27
TAGS USED =
9795
9799-9800
9841-9889
(9857 NOT USED)

2 TAGS TO PULEOA, CONTINUED
2-2-84 6676 - 6700 (25)
6726 - 6750 (25)
7225, 7226 - 7250 (25)

5-22-84 7851 - 7950 (100)

4/26/85 8602-8625 (24)
8812-8825 (14)
8826-8850 (25)
" " " " " "
63 total

1 TAGS SENT TO Bill Puleoa
FOR USE ON MOLOKAI -
5-12-82 - 6416-6435 (20)
5-19-82 - 6446-6450 (5)
6376-6425 (50)
9-8-82 - 6451-6475 (25)
ED & MARGIN 6526-6550 (25)
ED & MARGIN 6551-6600
MORNING 10-19-82
10-31-82 6601-6650
7-8-83: 7276-7350 (75)

9 11-15 JULY 88
ED - BULLPEN CHARTER
+ 10,751 - 10,983 + 11,000
+ REUSE TAGS - GRN, OR, RED, YEL TOPS w/ 2 ALPHABET LETTER

Bill - 9151-9250 seen
all written
in box containing applicator - 7/21/93

Get TAG
SERVICES
Summary
END of
book
& Trip
book

ED - 553-5702 INSHORE SITE C
Bill - Office 567-6696 home - 553-37781

Wed. SITE A + T2 = (13) Friday (2 pick-up days) = 3 CA

28 FEB - 2 MARCH 1990 p. 2-13
MEDEIROS BULLPEN
(TAGS USED - Y-601 -
Y-636 + 9202)

Monday-Thurs (3 pick-up days)

7-10 MAY 1990 p. 16-33

SITE A
47+3+1=51
SITE A SITE A

MEDEIROS BULLPEN

(TAGS USED - Y685 - Y700;
Y751 - Y828; Z30 - Z32 blue plastic)

Both
(2 pick-up days) SITE B

2-3 JULY 1990 Medeiros bullpen

MON: TUE: 36

page 34-45

(TAGS USED = Y914 - Y950

Z86 - Z100 (15)

Z150 - Z170 (21)

36 Blue plastic -
one to every animal
captured

page 46-111

9-11 JULY 1990 Medeiros bullpen

42+13+26

(TAGS USED Z101 = Z149)

+1 mortality

81

(Y951 - Y999
N-326 - N373

(Z171 - Z195)

3 pick-up
DAYS

PAU HANA (From OAHU) = 531-4004
 MOLOKAI - 553-5342

Ed Medeiros 553-5702
 Bill Puleloa 553-3778
 KUALAPU 96757
 P.O. Box 247

SCP-91-01

SCP-92-04

(15) 15-16 NOV. 91 (2 days) P. 90-95 Puleloa & Medeiros Alone
 Bullpen = 2 days SITE E
 45 TURTLES (16 TUMORS 36%) (18 RECOV. 40%)
 TAGS USED V752-V779
 9227-9250; 9206-9211;
 9213

(16) 4-6 DEC 91 P. 89, 96-103 11 TURTLES TAGS USED =
 NARRATIVE = P. III TITANIUM V560-V600; V103; V109;
 T50226-T50247 V139

F 75' pages = 31 Medeiros Bullpen - 2 DAYS SITE A
 9-11 July 1991 1 DAY SITE B

(17) 3 PICK-UP DAYS (2 DAYS SITE A, 1 DAY SITE B) 18+17+2=37 AUSTRALIAN WILDLIFE TITANIUM
 (T50201, 03, 05, 07, 08, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24)
 TAGS USED - V64-V74
 (V301-V306, V308-V352)



Composition Book • 9 3/4 in. x 7 1/2 in.

Available As:	Item No.	Sheets	Ruling
	09-9130	60	College Ruled & Margin
	09-9132	60	College Ruled & Margin & Paged
	09-9134	100	College Ruled & Margin

ESSELTE

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 Esselte Pendaflex Corporation.

WH6BLQ
 George H. Balazs
 992-A Awaawaanoa Place
 Honolulu, Hawaii 96825

V101, V102
 V104-V106
 NOT USED
 HERE

(18) 26-29 MAY 92 PALAAU TAGS USED - ^{GNPWS (LIMPS)} T50248 - T50300
 4 pick-up days P. 6-59 H531-H787
 121 TURTLES %TMR = 52.9%

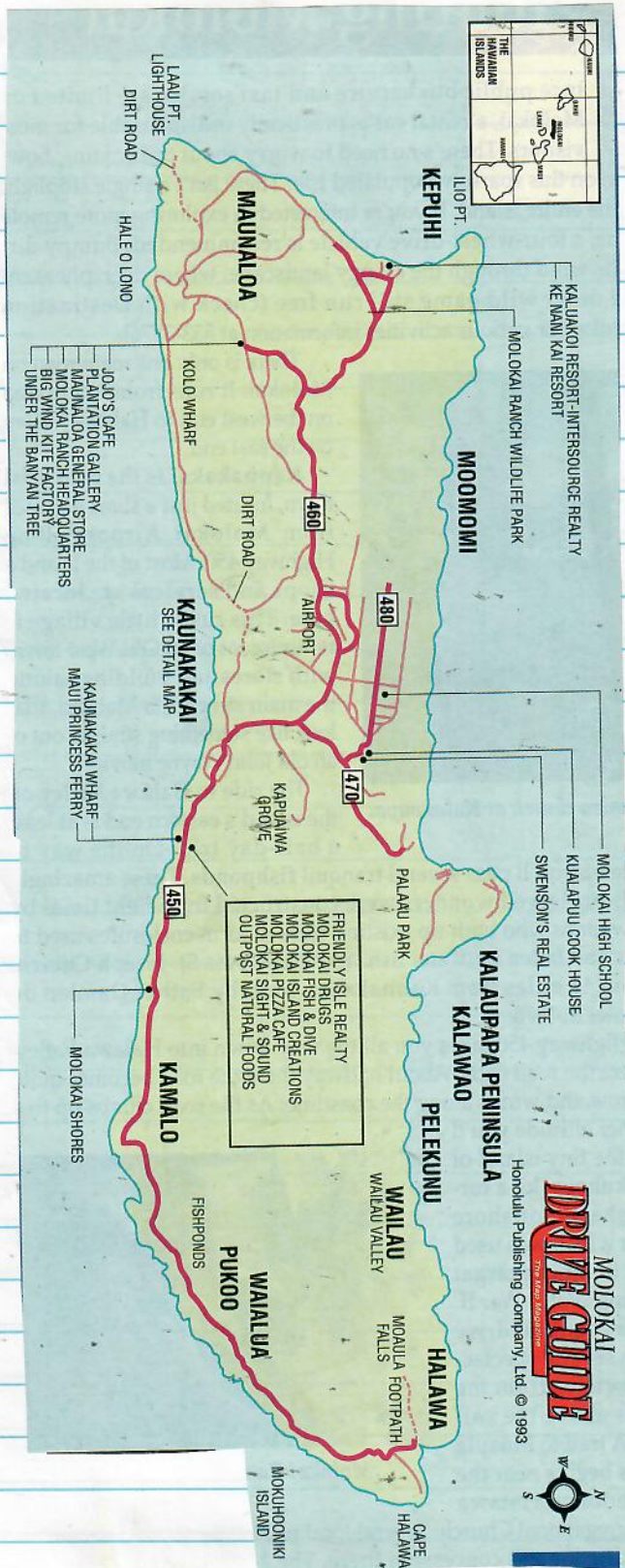
(19) 29-31 JULY 92 PALAAU TAGS USED - H954-H999
 3 pick-up days P. 63 R 297 No R 202 -
 70 TOTAL BULLPEN + 1 Hand/snorkel R 282 Good Not Used R 375
 %TMR = 50%

(20) 4-6 JANUARY 93 PALAAU TAGS USED R603-
 3 pick-up days P. 9- R 97-113 R740

55 TOTAL (2.4 TMR) (%TMR = 43.6%) 23 captures = 41.8%

109.36 yards			
kilometer (km)		0.62 miles	
myriameter		6.2 miles	
AREA			
square centimeter (cm ²)		0.155 sq. inches	
square meter (m ²)		1.196 sq. yards	
are (a)		119.60 sq. yards	
hectare (ha)		2.47 acres	
sq. kilometer (km ²)		0.3861 sq. miles	
WEIGHT			
milligram (mg)		0.015 grains	
centigram (cg)		0.154 grains	
decigram (dg)		1.543 grains	
gram (g)		0.035 ounces	
decagram (Dg)		0.353 ounces	
hectogram (hg)		3.527 ounces	
kilogram (kg)		2.2046 pounds	
quintal		220.46 pounds	
metric ton		1.1 tons	
CAPACITY, CUBIC			
milliliter (ml)		0.06 cubic inches	
centiliter (cl)		0.6 cubic inches	
deciliter (dl)		6.1 cubic inches	
liter (l)		61.02 cubic inches	
decaliter (Dl)		0.35 cubic feet	
hectoliter (hl)		3.53 cubic feet	
kiloliter		1.31 cubic yards	
CAPACITY, DRY			
deciliter (dl)		0.18 pints	
liter (l)		0.908 quarts	
decaliter (Dl)		1.14 pecks	
hectoliter (h)		2.84 bushels	
CAPACITY, LIQUID			
milliliter		0.27 fluidrams	
centiliter		0.338 fluidounces	
deciliter		0.21 pints	
liter		1.057 quarts	
decaliter		2.64 gallons	

(21) 19-22 JULY 93 Palau 3 days = 47 Turtles
 64 TOTAL / J151-J182, J183-J241, J304-J328
 V788-V800, V609-V639 1 DAY = 17 Turtles



Mileage and Driving Times
 From Molokai Airport to:

Kaunakakai	8 miles, 10 minutes
Palaau Park (Kalaupapa Lookout)	9 miles, 15 minutes
Kaunakakai	36 miles, 2 hours
Kaula Valley	17 miles, 30 minutes
Kepuni Beach	15 miles, 25 minutes

Map Legend

- Highways
- Secondary Roads
- Unimproved Roads

No. 09-9132
Coll. Margin 60 Pgs



0 72156 99133 4