

6B

BALAZS
1992-93

MOLOKAI

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

26-29 May 92

PALAAU

TAGS USED -

QNPWS (LIMPUS)

T50248 -

T50300

4 pick-up days

P.6-59

H531-H787

121 TURTLES

90 TMR = 52.99%

29-31 JULY 92

PALAAU

TAGS USED -

H954-H999

3 pick-up days

P.63

R297

NO

R202-

70 TOTAL BULLPEN

R282

GOOD

R375

90 TMR = 50%

+ 1 Hand/snorkel

4-6 JANUARY 93

PALAAU

TAGS USED

3 pick-up days

P.9-

P.97-113

R60
R740

55 TOTAL
(24 TMR)

(90 TMR = 43.6%) 23 captures = 41.8%



Composition Book • 9¾ in. x 7½ 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

Esselte Pendaflex Corporation, Garden City, NY 11530
Made in U.S.A. B&P and Boorum & Pease are trademarks of
Esselte Pendaflex Corporation.

R 376 - R 387 + free
to HAAS

GEORGE BALAZS
992-A AWAAWAANO APT A
HONOLULU, HI 96825-2668

1

Tel. 808-395-6409

COLLECT

OR

808-943-1240

→ COMBINED

125 TURTLES

59 TMS = 47.2%

Needs-

- MAIL FEAT SAMPLES TO UPTON
- Check on location of white graft mesh
- Literature to Ubrich
- Print Historical reports on Timor turtles
- Photo plastion of large turtle
and bottom of loggie board
and (Russ') surfboard.
- Kids Turtle stuff to Bicoys
- fib2 - Shaun TDPs
- > Formula °C to °F AND VISA VERSA
- Send Data to Bill
- Look up Y488

JANUARY 1993

ALL SLIGHTLY WEST OF SITE A

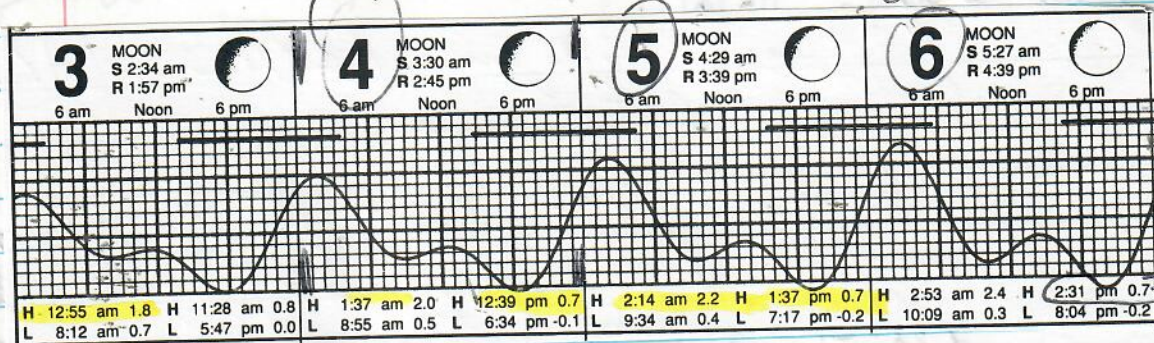
3

MON. DAY 1 = 27
27 TURTLES

TUES. DAY 2 = 16

WED. DAY 3 = 12 TURTLES

55 TOTAL



Found dead drifting up wind
of boat - NOT FROM NET.
severe emaciation

1/4/92

RFF #3
lft eye #2
rt eye #1.

neck #2
LFF #2, 2#1

SL - 54.8
N - 54.7
SN - 42.3
CL - 58.0

CW - 51.5

Discarded due
to small of
decomposition.

4 JANUARY 93 Palau
MONDAY

Depart 6:10 am FL 900 HAL
GHB, RM & BW.

Depart dock 7:30 am - Ed, Mr. Medina
Gary (Ed's PASTOR), MIKE, ^{DAUGHTER} CHRISTINE
Mele, School teacher from
Colorado.

Net set Sunday, east of Harbor,
between two harbors -
probably SITE B - but not in shore
direction.

WGS84

SITE A, BUT
SLIGHTLY TO
THE West

GPS position = $21^{\circ} 05' 34''$ N
 $157^{\circ} 06' (10'')$ W
 $(11'')$ W

one of turtles taken from net
defecated in boat - sample
taken in sea water for
Steve Upton.

27 Turtles in net -

N-West wind - returned to dock
about 2 pm.

1/5/93
TUES

Seawater 21.5° C ($\approx 71^{\circ}$ F)
16 turtles captured, including

1/5/93

5

TUES.

white spot 3rd lat. Right, 1/6/93 GPS

SAME
"SITE A"

GPS	21° 05' 33" N	Middle of Harbor channel	21° 05' 36" N
	157° 06' 09" W		157° 05' 56" W

WGS 84

	21° 05' 33" N
	157° 06' 10" W

	21° 05' 37" N
	157° 05' 54" W

DUPLICATED

	21° 05' 32" N
	157° 06' 10" W

TUES
1/5

Depart 7 AM w/ DAET - XAMER KAMERAZA

Arrived Norwegian Scientist on Son; Mr. Medeiros;

Cold air - wind light from W-NW.

2 fecal pellets scooped, are yesterday.

Tiger caught in full pot 2 weeks ago, but Palaau. 12th female. Stomach contained ~ 20 lb OIO (Borefish) and turtle scutes - + front flippers not as digested (2 turtles?). Video of it hanging in tree. Fred Bicoyl said spide looked skinny - not eating good.

wed.

1/6/93

Cold air - 68°F - Seawater 70°F

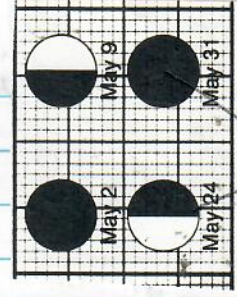
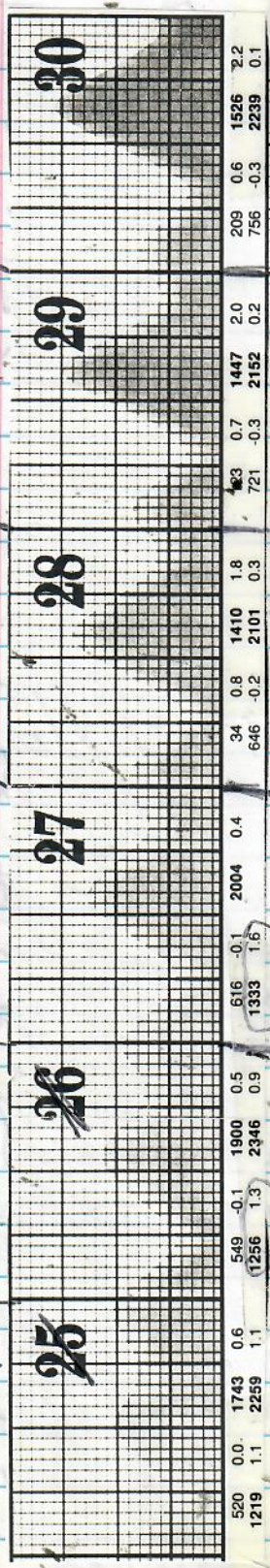
High W-NW Surf affecting Palaau
Motored inside

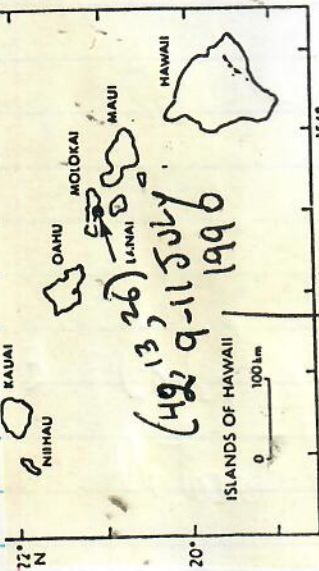
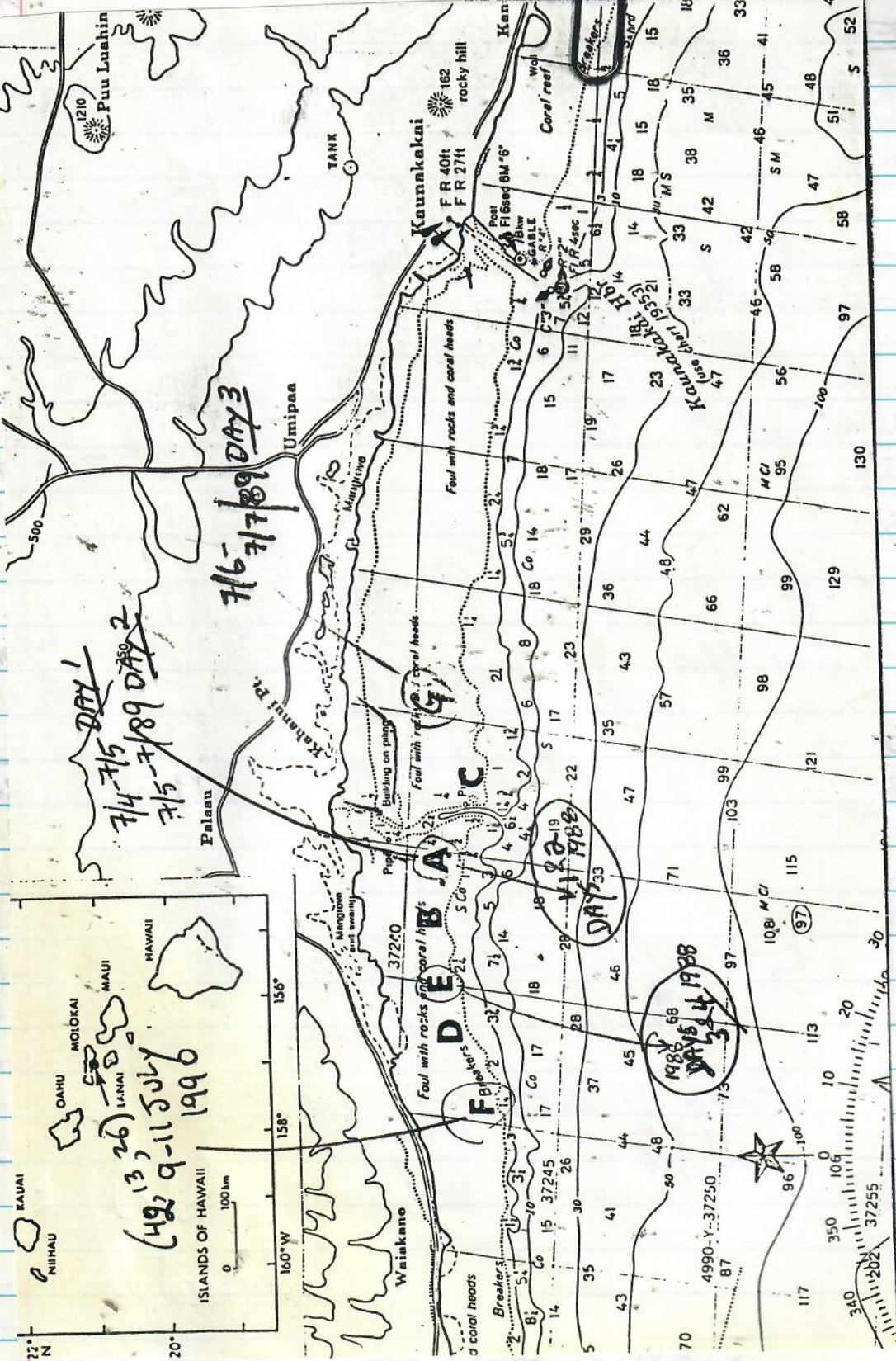
MAY 9th DAY 1
TUES
MONDAY

DAY 2
WED

DAY 3
THURS.

DAY 4
FRIDAY





7/4-7/5 DAY 1
 7/5-7/8 DAY 2
 7/8-7/11 DAY 3

7/6-7/7 1989 DAY 3

1986 9/14 1988
 DAY 3

1988 11/28
 DAY 3

A
 B
 C
 D
 E
 F

Palaeau
 Kaula Pt.
 Umpipaa
 Waikano
 Kaunakakai
 162 rocky hill
 TANK
 Puu Luahin
 1210
 500
 37240
 4990-Y-37250
 37255
 340
 202

8

ALL SITE "E"

Summary 26-29 May 92

<u>SITE</u>		<u>TOTAL</u>	<u>TUMORS</u>	<u>RECOVERIES</u>
E	DAY 1 5/26/92	18	10	8 w/TMR = (7)
E	DAY 2 5/27/92	29	14	7 w/TMR = (5)
E	DAY 3 5/28/92	40	23	9 w/TMR = (8)
E	DAY 4 5/29/92	34	17	13 w/TMR = (6)
TOTAL =		<u>121</u>	<u>64</u> (52.9%)	<u>37</u> (30.8%)

RECOVERIES w/TUMORS = 70.29%
(26 of 37)

NEWLY TAGGED w/TUMORS =
(38 of 84) 45.29%

TEST TAGS - DISCARDED
H525 - H529

9

5/26/92 6:15 AM RMGMB
ALOHA IS. AIR
TUES TO MOLOKAI

BUDGET \$16.99 car

"
out on boat IN-DI" jet boat -
depart ~ 8 AM - MR. Medicinos;
Joey; Puleloa; Rod (staying at Ed's);
2 other ♂, 1 ♀ (cousin) + Evelyn-Rose (4)
& Alyx (2 years)
Net set offshore Pihemaha Pond (?)

I estimate 400-500 yards west of
Segundo spot. = ∴ SITE "E"

need - ① Scoop net for feces
② MAPS INTO THIS BOOK
③ Reduce xerox & give in TIME forms

Many fecal pellets seen floating - related
to tumors??

Seawater 84°F =

GCB

5/29 Depart 2:55 pm Aloha IS. AIR.

TUES
 DATE: 5-26-92
 DAY 1: PICK UP

SITE: EPAL024 11
 (500 meters west of Segundo)

TAG	NUMBERS	LENGTH	NOTCH	WIDTH	LENGTH	WIDTH
✓	①	75.7	75.5	57.1	82.0	68.5
	RFL H531	- heeled distortion Rt. side of head				
	RH H532	- left eye 1#2				
	LFL T50248	TMR				
	R34 H533	1 SCORE				

→ SUE UP
 TITANIUM

Jags	NUMBERS	SL	N	SW	CL	CW
✓	②	634	631	50.1	68.5	60.5
	LFL H534					
	LH H535					
	RFL T50249					

Jags	NUMBERS	SL	N	SW	CL	CW
✓	③	64.9	64.2	53.8	70.0	63.5
	LFL T50250					
	RFL H536	- flatish shell				
	RH H537	- suspicious bump on rt eye & left jaw hinge				
	LH H538	- no SB				
		No carapace fouling.				

Jags	NUMBERS	SL	N	SW	CL	CW
✓	④	56.6	56.3	46.3	61.0	55.0
	9464-LFL					
	RFL-9465					
	RH (H539)					
	LH (H540)					



SEP 16 1993

Jags

~~5~~

SL	N	SW	CL	CW
46.1	45.9	37.6	50.0	44.5

RFL-H541

LFL-H542

RH-H543

⑥

Jags

~~Recovery~~

SL	N	SW	CL	CW
64.9	64.6	51.3	70.0	61.5

LFL-V379

RFL-V378

-Rt eye 2#1 & 1#2 & necrotic

RH-(H544)

-lft eye 1#1

TMR

LH-(H545)

1 SCORE

⑦

Jags

~~Recovery~~

SL	N	SW	CL	CW
59.0	59.0	47.9	64.0	58.0

LFL-Z87

RFL-V928

-healed V notch - 11th marginal it.

RH(H546)

-Rt eye 1#2 (necrotic)

TMR

LH(H547)

1 SCORE

⑧

Jags

~~X~~

SL	N	SW	CL	CW
57.6	57.5	42.7	61.5	53.5

RFL-H548

LH-H549

-neck multi-lobed #4

L3-4-H550

-lft eye 1#2, 2#1

TMR

3 SCORE

-Rt eye 2#2, 1#1

-RFL 1#3

-mouth multi-lobed #2 in throat & jawline

RH 1#2

LH 1#2, 1#1 moderate emaciation

5/26/92 DAY 1 SITE "E"

13
SEP 16 1993

TAG NOS. ~~RECOVERY~~ STRAIGHT CURVED

	LENGTH (9)	NOTCH	WIDTH	LENGTH	WIDTH
L15-9227	68.5	68.2	53.4	74.0	65.0
9228	-LH but in scale			LFF #2	
RFL (H551)	cloaca 1#2			RFF #2, #3	
	LFL is missing & healed; lft eye 1#1			trailing edge scales also 1#1	

SCORE 2 TMR

tags ~~RECOVERY~~ SL (10) N SW CL CW

LFL-T50251	61.1	60.9	48.3	66.0	58.0
RFL-H552					
RH-H553	LH healed injury (scar)				

tags ~~RECOVERY~~ SL (11) N SW CL CW

LFL-T50252	61.0	60.8	45.2	66.0	56.0
RFL-H554					
RH-H555					

RECOVERY (12)

tags ~~RECOVERY~~ SL N SW CL CW

LFL 6547	69.6	69.3	53.7	76.0	67.5
RFL 6548	→ (ringed) THIS DATE				
RH (H556)	lft eye 1#2, 3#1				
LH (H557)	rt eye 1#2				

SCORE 2 TMR

14

Recovery

75.8

75.4

58.6

5/26/92 DAY 1

SEP 16 1993

SITE "E"

Jagg

X

SL 13 N

SW

CL

CW

RFL-7932

Amansia (amansia in tag)

81.5

74.5

LFL-4581

L3-4 BBA 434

PLASTIC ROTOTAG

left eye 1#2

R3-4 (T50253)

RFF 1#2, 1#1

RH (#558)

1

SCORE

TMR

X

Jagg

SL 14

N

SW

CL

CW

LFL-T50254

56.2

56.0

44.2

61.0

56.0

RFL-H559

RH-H560

- 7th & 8th marginal left healed crescent

Jagg

X

SL 15

N

SW

CL

CW

RFL-T50255

85.9

85.9

66.4

92.0

84.5

LFL-H561

1#2 left eye

RH-H562

RT eye - suspicious bump

LH-H563

TMR

1

SCORE

SITE "E" Recovery STRAIGHT CURVED

NUMBERS (Recovery) LENGTH (16) NOTCH WIDTH LENGTH WIDTH
 79.3 79.1 61.4 84.0 76.0

- ~~R3-4 (T50257)~~ T50256 (did not work)
 LFL 6461 no good
 RFL 6462 - Rt eye 2#2
 RH (H564) - Lt eye 1#2, 1#1
 LH (H565) LH V825 - right jaw hinge #2
 - left " " 1#2
 - neck 9#2, 2#1
 [TIME] [3] SCORE - RFF 4#2, 3#3 (adult leader)
 - LFF 2#3, 1#2
 - LH 1#2
 - RH 1#2

tags (Recovery) L (17) N - SW (not clear) CW
 71.5 71.4 53.5 77.5 69.0

- LFL V386 2 LFF 1#3
 RFL V385 - left eye 1#1
 LH V387 - rt eye suspicious bump
 L 3-4 (T50258) LH - piece missing (1/4) healed
 LH - 1#2
 RH 1#2

- fresh bone deep scratches - carapace
 esp. 3rd late left jaw

[TIME] [2] SCORE

SEP 16 1993 5/26/92 DAY 1

Tag \checkmark SL (18) N SW CL CW
 \checkmark 62.3 62.0 48.1 66.5 59.5

LFLT 50259

REL H565

RH H566

TAG RECOVERIES = 8 (44.4%)

(w/ Tumors ~~7~~) (87.5%)

NEWLY TAGGED = 10

(w/ Tumors ~~8~~ 3) (30%)

TOTAL = 18

(10 w/ Tumors) (55.5%)

ARE NEWLY TAGGED TURTLES
 SIZE-WISE, MORE LIKELY TO
 BE SMALLER (IE NEWER
 TO NEARSHORE POPULATION)?

CONVERSE - TAG RECOVERED TURTLES
 STATISTICALLY LARGER?

Turtle Number 6461, 6462 ✓

1. 43rd animal tagged
2. first tag date: Oct. 19, 1982
(9 years 7 months ago)
3. first tagged and released at Palaau B
(between "A"-Segundo's and today's site "E")
4. curved length = 68.5 cm → TO 84 cm
(increase of 15.5 cm or 6")
5. curved width = 61.0 cm → TO 76 cm
(increase of 15.0 cm or 6")
6. no tumors!

5/26/92

SCOPE
3

(LFL = 6547
S 69.6 x 69.3 x 53.7
C 76.0 x 67.5 #36

(7932 81.5 x 74.5

(6461 + 2 84.0 x 76.0

Turtle Number 6547 ✓

1. 36th animal tagged
 2. first tag date: Oct. 19, 1982
(9 years 7 months ago)
 3. first tagged and released at Palaau B
(between "A"-Segundo's and today's site "E")
 4. curved length = 47.5 cm → 76.0
(increase of 28.5 cm or 11.25")
 5. curved width = 41.5 cm → 67.5
(increase of 26.0 cm or 10.25")
 6. no tumors!
- 5/26/92
Score
2

Turtle Number 7932 ✓

1. 203rd animal tagged
 2. first tag date: April 11, 1985
(7 years 1 month ago)
 3. first caught at Palaau L
(Waikane)
 4. released at K'kai Wharf
 5. curved length = 70.0 cm →
(increase of 11.5 cm or 4.5")
 6. curved width = 62.5 cm → 74.5
(increase of 12.0 cm or 4.75")
 7. no tumors!
- Score
5/29/92
81.5 cm

WED.

PALAU "E"

SITE E

19

5-27-97



SEP 16 1997

DAY 2

NOTE: (1) DO NOT USE IN TDPS: ENTER T50260 T50261

70.4 x 70.0 x 49.6 75.5 x 62.0
T50260 (RFL) H568 (RH)
H. 567 (LFL) SCORE 1

RFL #1(1) LFL #1(1)

(2) 71.3 x 71.0 x 57.2 77.0 x 73.0
T50261 (LFL) H-570 (RH) Clean!

DO NOT ENTER IN TDPS

(3) T50262 RUINED NOT USED
60.5 x 60.1 x 46.2 64.0 x 55.0
T-50263 (LFL) H572 (RH) SCORE 1

RTEYE #2(1); #1(1)

(4) 62.9 x 62.7 x 49.1 67.0 x 60.5
T-50264 (RFL) H-574 (RH) SCORE 2
H-573 (LFL)

RTEYE #1(1) NECK #3(1) LFL #2(1)

(5) 73.5 x 73.5 x 59.0 79.0 x 75.0
T-50265 (RFL) H577 (RH)
H-576 (RFL) H576 (LH)

TH TH
44.5 nt marginal bite-healed Clean

5/27/92

SINE E

Day 2

[GOOD EP. 16 1993]

6

62.5 x 62.1 x 51.0 67.5 x 63.0

T-50266 (RFL) H-579 (RH)

H-578 (LFL)

LEFT eye #2(1) NECK #2(2)

rgt eye #2(1) LFF #1(5); #2(1)

RFF #1(2) #2(4)

mouth #2(2) "jaw-hinge"

SCORE

2

7

68.9 x 68.7 x 53.2

73.5 x 69.0

10767 (LFL)

T-50267 (L3-4) NEW

10766 (RFL)

H-580 (LH) NEW tag

#2(1) RFL

#2(1) Rt eye

RFL 1(#2)

← start reversing Number

SCORE

1

67.1 x 66.8 x 53.6

71.5 x 64.5

RFL T-50268 (NOT Locked)

LFL H-581

Rt eye = 3(#1) · 1(#2)

SCORE

RH H-582

Lf eye = 1(#2) · 2(#1)

1(#3)

Mouth = 2(#1) · 1(#2)

RFF 5(#2) · 2(#1) · LFF = 3(#2) · 2(#1) · 1(#3)

NECK 5(#2) · 5(#1)

RH 1(#1) · 1(#2)

LH 2(#1)

2

66.9 x 66.8 x 53.1

66.5 x 66.0

LFF-H-583

RFL T-50269

RH H-584

DO NOT CATALOG AS TUMOR. SUSPICIOUS bump

BUT CLEAN!

right eye + LEFT eye

PALAAN "E", MOLOKAI

MAY 26-29, 1992

26 RECOVERIES WITH TUMORSMAY 26, 1992

1) Y378 RFL 07/04/89 - 0

Y379 LFL 07/04/89

H544 RHF 05/26/92 - 1 L. EYE 1#1/R. EYE 2#1, 1#2

H545 LHF 05/26/92

2) Y928 RFL 07/02/90 - 0

Z87 LFL 07/02/90

H546 RHF 05/26/92 - 1 R. EYE 1#2 (NECROTIC)

H547 LHF 05/26/92

3) 9227 LFL 11/15/91 - 3 FL 5#2, 1#4

9228 RHF 11/15/91

H551 RFL 05/26/92 - 2 L. EYE 1#1 / FL 2#2, 1#3 / CLOACA 1#2 [LFL MIS]

4) 6547 LFL 10/19/82 - 0

6548 RFL 10/19/82

H556 RHF 05/26/92 - 2 L. EYE 3#1, 1#2 / R. EYE 1#2

H557 LHF 05/26/92

5) 7931 LFL 04/11/85 - 0

7932 RFL 04/11/85

Y581 LFL 07/06/89 - 0

BBAA34 07/06/89

H558 RHF 05/26/92 - 1 L. EYE 1#2 / FL 1#1, 1#2

T50253 RFA 05/26/92

6) 6461 LFL 10/19/82 - 0

6462 RFL 10/19/82

Y825 LHF 05/09/90 - 2

H564 RHF 05/26/92 - 3

SMALL ON BOTH EYES / L. FL - 1 ANTERIOR EDGE / L. FL - 1 VENTRAL / R. FL - 3

L. EYE 1#1, 1#2 / R. EYE 2#2 / FL 5#2, 5#3 / HF
NECK 2#1, 9#2 / MOUTH 2#2

5/27/92 SITE E

DAY 2



42.8 x 42.0 x 35.9

45.0 x 43.5

(10)

X LFL H-585
RFL H-586

CLEAN!

53.4 x 53.1 x 40.3

57.0 x 50.0

(11)

X LFL T-50270
RFL H-587
LH H-588

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

SCORE

1

11 marginal left - healed notched

73.6 x 73.5 x 57.9

78.0 x 71.5

LFL = T-50271

(12)

X RFL H-589 (possible ^{old} tag loss) _{RFL} comments

LH H-590

RH H-591 [1/4 missing of RH - healed]

59.7 x 59.5 x 46.7

64.5 x 59.0

(13)

X LFL T-50272
RFL H-592
RH H-593

Clean!

58.9 x 58.6 x 46.0

63.5 x 54.0

(14)

X LFL T-50273
RFL H-594
RH H-595

Clean!

65.9 x 65.4 x 52.2

71.0 x 65.0

(15)

X LFL T-50274
RFL H-596
LH H-597

NOT TMR
RT eye = suspicious bump
COMMENTS ONLY

MAY 26, 1992 - CONT.

7) Y385 RFL 07/04/89 -
 Y386 LFL 07/04/89
 Y387 LHF 07/04/89
 T50258 LSA 05/26/92 - L. EYE 1#1 / FL 1#3 / HF 2#2

MAY 27, 1992

8) 10766 RFL 07/12/88 -
 10767 LFL 07/12/88
 H580 LHF 07/12/88
 T50267 LSA 05/27/92 - FL 1#2

9) Y944 RFL 07/02/90 - MOUTH 2#1 - INGADEJAW HINGES BOTH SIDES
 Z157 LFL 07/02/90

H600 LHF 05/27/92 - L. EYE 1#2 / R. EYE 1#2 / FL 2#2 / MOUTH 3#1
 10) 7894 LFL -
 H605 RHF 05/27/92 - FL 1#2
 T50276 RFL 05/27/92

11) 7227 LFL 05/09/84 -

7228 RFL 05/09/84
 Z93 LSA 07/02/90 - R. EYE 1#1

H614 RHF 05/27/92 - L. EYE 2#1 / R. EYE 2#1 / FL 3#1 2#2 / NECK 3#1
 T50283 RSA 05/27/92

12) Y923 RFL 07/02/90 -

Z98 LFL 07/02/90

H615 LHF 05/27/92 - L. EYE 1#1, 1#2 / R. EYE 1#1, 1#2 / FL 2#1, 2#2 / HF 1#1

5/27/92 SITE E

Day 2 25

[SEP 16 1992]

(16) ~~X~~ 58.5 x 58.3 x 45.5 62.5 x 53.5
LFL T-50275 LH 599 SCORE 1
RFL H-598 Lt eye 1(#1) 1(#2)
no DATA Rt eye 1(#1) LFF 1(#1)
broken

(17) ~~X~~ 57.7 x ? x 44.0 62.0 x 56.0 SCORE 2
LFL Z-157 Blue PLASTIC ROTORS Lt eye 1(#2) Mouth 2(#1)
REY Y-944 new Lt eye 1(#2)
LH H-600 (added) LFF 2(#2) [Leeches removed!]
Mouth (glottis) 1(#1) (Mouth) JAW hinges

RECOVERY (18) ~~X~~ 56.4 x 56.1 x 43.2 61.0 x 53.5
LFL 10947
RFL 10948 clean!
LH H-601

(19) 50.7 x 50.6 x 40.6 54.0 x 48.0
RFL H 602
LFL H 603 clean!
RH H 604

RECOVERY (20) ~~X~~ 64.0 x 63.7 x 49.0 69.5 x 62.0 SCORE 1
LFL 7894
RFL T-50276 (added) new RFF 1(#2)
RH H 605 new

T50278 removed NOT USED
(21) ~~X~~ 61.5 x 60.6 x 51.2 65.0 x 60.5
LFF T50277
RFF H 606
RH H 607

MAY 28, 1992

13) 10883 RFL 07/14/88 - 0

10884 LFL 07/14/88

H623 LHF 05/28/92 - 2 L. EYE 1#1, 2#2 / R. EYE 1#1, 1#2 / FL 1#2, 1#3 / MOUTH

14) N349 RFL 07/09/90 - 0

N350 RHF 07/09/90

Z177 LFL 07/09/90

05/28/92 - 2 L. EYE 1#1, 1#2 / R. EYE 2#2 / FL 1#1, 10#2

15) Y517 RFL 07/06/89 - 0

Y518 LFL 07/06/89

BBR411 - 07/06/89

05/28/92 - 1 R. EYE 1#2

16) 9403 LFL 07/19/85 - 0

9404 RFL 07/19/85

H462 RHF 05/28/92 - 1 L. EYE 1#2 / R. EYE 1#1 / FL 1#2

17) 10879 - 07/14/88 - 0

10880 - 07/14/88

H645 LHF 05/28/92 - 2 L. EYE 1#1 / R. EYE 2#1 / FL 2#2, 1#3

18) 10899 - 07/14/88 - 0

10900 - 07/14/88

H650 RHF 05/28/92 - 1 L. EYE 1#1

19) 10964 RI 07/15/88 - 0

10965 LI 07/15/88

H656 LHF 05/28/92 - 2 L. EYE 2#1 / R. EYE 1#1, 2#2 / FL 6#1, 3#2 / NECK 1#1

MOUTH 1#1

20) 10835 - 07/14/88 - 0

10836 - 07/14/88

H688 RHF 05/28/92 - 1 L. EYE 1#1 / R. EYE 1#1, 1#2

Day 2 5/27/92

SITE E PALAU

27

LENGTH NOTCH WIDTH
51.1 x 50.9 x 42.3

Length width
55.5 x 49.0

(22)

~~RFF T-50279
LFL H608
LH H609~~

50.4 x 50.3 x 40.9

53.5 x 48.0

(23)

~~LFL T-50280
RFL H610
RH H611~~

T50281
RUINED
NOT USED

53.3 x 53.1 x 41.4

57.0 x 49.0

LFL T-50292

SCORE

(24)

~~RFL H612
LH H613~~

LEFT eye = 1(#2) 3(#1)
RT eye #1 (on "ridge")
TAIL #1(1)

2

MOUTH = (RT jaw hinge) 1(#1)
pallette 1(#1)

RFF 1(#1)

RECOVERY

(25)

69.4 x 69.2 x 54.9

75.0 x 66.0

Z-93 = L3-4 Blue plastic Rototag

~~LFL = 7227~~

~~RFL = 7228~~

RH H614 (new tag)

T-50283 (R 3-4) new TAG

LH TIP
Tip = pointed!
from healed
injury!

LFF 1(#2)

RFF = 3(#1) 1(#2)

LEFT eye = 2(#1)

NECK = 3(#1) 1(#2)

RIGHT eye = 2(#1)

SCORE 2

MAY 29, 1992

- 21) V01A RFL 07/10/91 - 2 L.EYE 1#1 / R.EYE 1#2 / FL 2#2
- V015 RHF 07/10/91
- T50212 L0A 07/10/91
- 05/29/92 - 1 R.EYE 1#1 / FL 3#2
- 22) Y428 REF 07/05/89 - 0
- Y429 LFL 07/05/89
- Z102 L0A -
- H731 RHF 05/29/92 - 1 L.EYE 1#1 / R.EYE 1#2 / MOUTH 1#2
- 23) 10865 - 07/14/88 - 0
- 10866 - 07/14/88
- H740 RHF 05/29/92 - 2 L.EYE 1#1 / R.EYE 1#1, 1#2 / NECK 1#1, 1#2, 1#3 / MOUTH 1#1
- 24) 10875 - 07/14/88 - 0
- 10876 - 07/14/88
- H744 LFL 05/29/92 - 1 R.EYE 1#1
- 25) Y545 REF 07/06/89 - 0
- Y546 LFL 07/06/89
- B0A421 L0A 07/06/89
- H755 RHF 05/29/92 - 2 L.EYE 3#1 / R.EYE 1#1, 1#2 / FL 1#1
- 26) 10881 - 07/14/88 - 0
- 10882 - 07/14/88
- H784 LHF 05/29/92 - 3 L.EYE 1#1, 1#2 / R.EYE 2#2 / FL 1#1, 9#2, 2#3
- H784 LHF 05/29/92 - 3 HF 1#3 / NECK 5#2 / MOUTH 1#2

DAY 2

5/27/92 PALAU SITE E

29

LENGTH STRAIGHT NOTCH WIDTH

49.5 x 49.1 x 39.7

CURVED

Length width

53.5 x 47.0

26

LFL Z-98 Blue PLASTIC ROTOMC

RFL Y923

LH H 615 new tag

Score

2

LEFT eye 1(#2) 1(#1)

Rt eye 1(#2) 1(#1)

NECK 4(#2) 9(#1)

LFF = 8(#1) 4(#2) - (tumor at tag site)

RFF 5(#2)

LH 2(#2) 1(#1)

27

59.6 x 59.1 x 46.6

65.0 x 56.0

LFF = T 50284

RFL = H 616

Score

LH = H 619

Rt eye = 2(#1)

NECK = 1(#2) 1(#1)

LH = 1(#2)

1

28

64.6 x 64.2 x 50.9

NO DATA

NO DATA

Y-474 RFL

T-50285 LFL (new)

Clean!

~~H 619~~ (RH) new

H 618

37.6 x 36.8 x 32.2

38.5 x 37.5

H 619 RFL

H 620 LFL

correct

THIS TURTLE
(Photos w/ Niki)

29

END DAY 2
5/27/92 SITE E

Day 2 5/27/92

TAG RECOVERIES = 7 (24.1%)
 w/TUMORS 5 (71.4%)

NEWLY TAGGED = 22
 w/TUMORS 9 (40.9%)

TOTAL = 29
 w/TUMORS = 14 (48.3%)



69.0 x 68.9 x 51.6

74.0 x 63.0

①



RFF T-50286

LFF H621

LH H622

clean!

RELEASED PALAAN "E"

62.9 x 62.6 x 49.4

67.0 x 62.0

②



10883 (RFL)

10884 (LFL) in tumor!

LH H623

LFF 1(#3) R eye 1(#2+#1)

RFL 1(#2) L eye 2(#2) 1(#1)

L jaw hinge 1(#2)

SCORE = 2

recovery

mild emaciation

RELEASED PALAAN "E"

69.9 x 69.8 x 52.9

76.0 x 64.0

③



RFF T-50287

LFL H-624

RH H-625

RIGHT eye = suspicious bump

RELEASED PALAAN "E"

73.3 x 73.1 x 58.8

80.0 x 72.0

④



LRFF T-50288

RFL H626

LH H627

clean

RELEASED PALAAN "E"

65.2 x 64.3 x 52.8

70.5 x 62.5

⑤



LFL T-50289

RFL H628

RH H629

clean

RELEASED PALAAN "E"

TAGS	STRAIGHT			CURVED	
	LENGTH	NOTCH	WIDTH	LENGTH	WIDTH
	68.4	68.2	50.4	72.5	62.0

⑥ ✓ RFL T50290
 ✓ LFL H630 RELEASED PALAAN "E"
 RH H631

⑦ RECOVERY. ✓ 68.3 x 68.1 x 52.5 73.5 x 65.0
 LFL Z177 Blue PLASTIC ROTATING RFF 4(#1) 4(#1)
 RFL N349 LFF 13(#1) 6(#2) ← some at tag site
 RH N350
 RELEASED PALAAN "E" LEFT eye 1(#1) 1(#2) SCORE = 2
 rt eye 2(#2)

⑧ ✓ 75.7 x 75.5 x 60.7 81.0 x 72.5
 LFL T50291
 RFL H632
 RH H633
 LH H634
 RELEASED b/w "E" + "B"
 Rt eye 2(#2) LEFT eye 1(#1)
 mouth-left jaw lining 1(#2)
 Neck 3(#2)

⑨ ✓ 60.4 x 60.2 x 46.8 64.5 x 58.5
 LFL T50292
 RFL H635 RELEASED between SCORE = 2
 RH H636 "E" + "B"

⑩ ✓ 70.9 x 70.6 x 56.5 75.5 x 68.0
 LFL T50293
 RFL H637
 LH H638
 RH H639
 (2nd) Released 1 HARBOR
 = Palaan B - new record

Day 3

5/28/92

SITE E

SEP 16 1993

35

STRAIGHT

CURVED

TAGS

LENGTH NOTCH WIDTH
64.7 X 64.2 X 49.7

LENGTH WIDTH
70.0 X 59.0

(11)

X

LFL T-50294

RFL H-640

RH H641

Left eye 1(#2) 1(#1)

Rt eye 1(#2) 1(#1)

2 entries

rt jaw hinge 1(#1)

neck 3(#1) 2(#2)

RH 1(#3)

RFL 3(#1) 1(#2)

LH 1(#2)

LFL 3(#1) 1(#2)

SCORE = 2

- Released House - ie. PALAAN HARBOR ^{Comment}
new record for site A

(12)

X

72.8 X 72.6 X 56.1

77.0 X 68.0

LFL Y-518

L3-4 BBA 411

PLASTIC ROBOT

Rt eye 1(#2)

SCORE = 1

Recovery

2 entries

RFL Y-517

Released at "House" ie. PALAAN HARBOR

(13)

Recovery

2 entries

71.2 X 70.9 X 58.5

77.5 X 70.0

RIS 9404

LFF 1(#2)

LFL 9403 (in tumor)

Lt eye 1(#2)

RH H642 (new)

Rt eye 1(#1)

SCORE = 1

released just past House

ok [ie. PALAAN "C"]
new record

(14)

X

66.5 X 60.3 X 47.5

65.5 X 59.0

RFL T-50295

LFL H643

LH H644

Rt eye 2(#1)


Lt eye 1(#2)

SCORE = 1

released past house to biomass

ok ie. PALAAN "C"

" "

STRAIGHT  [OLSEP 16 1993] CURVED

TAGS

LENGTH NOTCH WIDTH LENGTH WIDTH

(16) RECOVERY
 68.7 x 68.7 x 54.5 74.5 x 68.0
 LFL 10879
 RFL 10880 Lt eye 1 (#1)
 LH H645 (new) rt eye 2 (#1)
 neck 1 (#2)
 RFL 1 (#3) 2 (#2)
 released before Biomass *i.e. PALAAN "G"* ok new record

SCORE = 2

(16) 2 entries
 64.5 x 64.2 x 51.1 69.5 x 62.0
 RFL T-50296
 L34 H646 Lt eye 1 (#2) (BLIND)
 LH H647 rt eye 2 (#2)
 PALAAN "G" RH 1 (#2) LFL 2 (#2) 1 (#1)
 released ~~Biomass~~ LH 1 (#2) NECK 2 (#2)
 ok " " RFL 1 (#2)

SCORE = 2

(17) 2 entries
 70.7 x 70.6 x 56.6 76.5 x 70.0
 RFL T-50297
 LFL H648 Lt eye 1 (#1)
 LH H649 rt eye 1 (#1)
 released ~~Biomass~~ PALAAN "J" ok new record

SCORE = 1

(18) 2 entries RECOVERY
 51.5 x 51.2 x 41.1 56.0 x 48.0
 LFL 10899
 RFL 10900 Lt eye 1 (#1)
 RH H650 (new) LFL = scaled projection
 RELEASED PALAAN "J" ok " "

SCORE = 1

From here all released
at Biomare

ie. PALAU
"I"

SEP 16 1993

MAke new record for release at "F" site

59.7 x 59.0 x 46.1

64.0 x 57.0

(19) X
2 entries
RFL T50298
LFL H651
RH H652

LFF 1(#2)
Lt eye 1(#1)
RFF 1(#2)

SCORE = 1

44.8 x 44.8 x 34.2

48.0 x 40.0

(20) X
2 entries
LFL H653
RFL H654
RH H655

59.4 x 59.2 x 46.5

64.0 x 59.0

recovery
(21) X
2 entries
10964 (R15)
10965 (L13)
LH H656

Lt eye 2(#1) NECK 4(#2) 1(#1)
rt eye 2(#2) 1(#1)
RFF 4(#1) 3(#2)
LFF 2(#1) rt jaw hinge 1(#1)

SCORE = 2

55.8 x 55.5 x 43.2

59.5 x 51.5

recovery
(22) X
2 entries
7826 (RFL)
7825 (LFL)
RH H657

clean

59.6 x 59.4 x 46.7

64.0 x 57.0

(23) X
2 entries
RFL T-50299 - discarded - bent
LFL T-50300
RFL H658
LH H659

neck 1(#2)

SCORE = 1

Day 3 5/28/92

SITE E

All Released at Palagan I

SEP 16 1993

39.1 x 38.6 x 33.0

42.0 x 39.0

24
2 entries

LFL H660

RFL H661

RH H662

ALGAL OR BARNACLE
clean... no growth whatsoever!!
∴ Likely new Recruit

25

36.7 x 35.8 x 30.6

38.5 x 36.5

2 entries

RFL H663

LFL H664

RH H665

clean

26

58.7 x 58.4 x 46.5

63.5 x 56.5

2 entries

LFL H666

RFL H667

LH H668

clean

27

53.8 x 53.1 x 42.9

57.5 x 52.5

2 entries

LFL H669

RFL H670

RH H671

SCORE = 1

Rt eye 1 (#1) Lt jaw hinge 1 (#1)
Left eye 1 (#1)

28

55.7 x 55.0 x 43.4

59.0 x 57.5

2 entries

RFL H672

LFL H673

LH H674

clean

29

49.8 x 49.6 x 39.1

54.0 x 45.5

2 entries

L3-4 H675

R3-4 H676

RH H677

MOUTH
both jaw hinges 1 (#2) each

RFF 4 (#2) + 5 (#1)

LFF 2 (#2) + 1 (#1) Tail 1 (#1)

Nuch 7 (#1) + 1 (#2)

RH 2 (#2) + 1 (#1) LH 1 (#2) 1 (#1)

SCORE = 2

5/28/92

DAY 3

SITE E

All Released at Palau I

SEP 16 1993

UNCONSCIOUS

56.7 x 56.6 x 44.9

61.5 x 54.0

30a

LFL H678

*held overnight in boat + released

Revived.

RFL H679

clean et...

2 entries

LH H680

Lethargic. Active the next morning. Released 5/29/92 AM. 1st W of KAVUKAKAI.

51.1 x 50.9 x 42.3

55.5 x 51.0

30b

LFL H681

2 entries

R34 H683

RH 1(#3)

SCORE = 2

RH H684

57.9 x 57.6 x 44.7

62.5 x 55.0

30c

RFL H685

2 entries

LFL H686

Lt eye 1(#2)

SCORE = 2

LH H687

Rt eye 1(#1)

EFF 5(#1)

RPF 4(#1) + 1(#2)

2 entries

53.9 x 53.7 x 42.6

58.0 x 51.0

30d

LFL 10835

SCORE = 1

Recovery

RFL 10836

Rt eye = 1(#2) 2(#1)

RH H688 (new)

Lt eye = 1(#1)

55.5 x 55.3 x 43.3

60.5 x 50.5

30e

LFL H689

✓

RFL H690

clean

2 entries

LH H691

5/28/92

SITE E

DAY 3

see released at Palquin I

45

SEP 16 1993

51.9 x 51.7 x 51.7

57.0 x 51.0

(39)

X

LFL H697

RFL H693

clean

LH H694

2 entries

(36)

66.7 x 66.1 x 53.3

70.5 x 66.0

SCORE =

2 entries

LFL H695

RFL H696

RH H697

RFF 1(#4) 2(#2)

NECK 1(#3) 3(#2) 4(#1)

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

lt eye 2(#1)

MOUTH 1(#2) rt jaw hinge

LFF 1(#4) 1(#1)

LH 1(#2)

RH 1(#3)

3

(37)

45.0 x 44.6 x 38.0

48.0 x 44.0

2 entries

X

LFL H698

RFL H699

RH H700

clean

(38)

55.9 x 55.4 x 43.1

59.5 x 51.0

2 entries

RFL H701

L3-4 H702

LH H703

LFF 1(#3) 5(#2) 3(#1)

RFF 4(#2) 1(#1)

Left eye 2(#2)

rt eye 1(#2) ("blind")

NECK 7(#2) 2(#1)

MOUTH 4(#2)

mild emaciation tail 2(#1)

SCORE = 3

5/28/92

SITE
DAY 3

All released at Palau

SEP 16 1993

57.9 x 57.4 x 46.4

62.5 x 56.0

(39) ~~Zentno X~~

LFL H704

RFL H705

LH H706

lt eye 1 (#2)

rt eye 1 (#1)

UNCONSCIENTIOUS.

Revived +

Swam off

strongly!

SCORE = 1

(40)

58.1 x 57.8 x 46.8

63.0 x 55.0

LFL H707

RFL H708

RH H709

NECK 1 (#2)

* held overnight in boat

UNCONSCIENTIOUS, ~~released at~~ Revived, but dead the next morning. Small of blood from each eye.

Shipped to Honolulu AZ for necropsy.

SCORE = 1

Do NOT ENTER THIS ONE IN TDPS - NOT RELEASED

DAY 3 5/28/92

TAG RECOVERIES = 9 (23.1%)
w/TUMORS = 8 (88.9%)

NEWLY TAGGED = ~~20~~ 31
w/TUMORS = 15 (~~50%~~ 48.5%)

TOTAL = ~~39~~ 40
w/TUMORS 23 (~~59%~~ 57.5%)

5/29/92 Day 4 SITE E

STRAIGHT

SEP 16 1992

49

TAG NO.

L x N x W

L x W

LFL:H710

X 44.8

44.3

35.7

48.0

41.5

RFL:H711

RH:H712

Possible spear injury in head.

①

No Tumors

Recovery

X 73.1

73.1

55.9

79.0

71.0

L 3-4:T50212

SCORE = 1

RFL:V314

R. eye = 1 (#1)

②

RH:V315

LFF

= 3 (#2)

LFL:H713

54.9

54.6

45.4

58.5

52.5

RFL:H714

X

③

No Tumors

RH:H715

LFL:H716

65.6

65.6

52.8

71.5

69.0

RFL:H717

X

④

R. eye = suspicious bump

note: comment only - NOT AT TUMOR.

RH:H718

Recovery

X 61.6

61.6

47.3

66.5

59.0

RFL:10957

X

⑤

Two possible ^{small} tag scars on left

New: LFL:H719

No Tumors

RH:H720

LFL:H721

X

44.5

44.0

35.9

47.5

41.0

RFL:H722

RH:H723

⑥

No Tumors

5/29/92

SITE E

DAY 4

51

[OK SEP 16 1993]

LFL: H724 75.9 75.6 58.2 81.5 72.0

RFL: H725

RH: H726

LH: H727

R. eye = 1 (#2)

(7)

SCORE = 1

LFL: H728 61.5 61.2 46.7 67.0 57.5

RFL: H729

RH: H730

R. Jaw Hinge = 1 (#2)

SCORE = 1

Recov 60.2 60.2 49.1 69.5 56.5

L3-4: Z162 (Blue plastic POTOMAC)

LFL: Y429

RFL: Y428

(H731: RH)

R. eye = 1 (#2)

L. eye = 1 (#1)

R. jaw = 1 (#2)

SCORE = 1

Recov. 78.6 78.6 59.9 85.0 74.5

RFL: 9592

LFL: 9591

(L3-4: H732)

No Tumors

Recov 69.3 69.3 51.9 74.0 65.0

LFL: 10980

RFL: 10981

R3-4: Yellow and Orange Plastic

(RH: H733)

R. eye: suspicious bump.

RFL: H734 57.9 57.3 43.7 62.5 55.5

LFL: H735

RH: H736

R. eye = 1 (#2)

RFE = 1 (#2)

Neck = 1 (#1)

SCORE = 1

(12)

5/29/92 SITE E DAY 4

53

SEP 16 1993

HFL: H737 65.3 65.0 52.3 70.5 62.5

RH: H738 X

RFL: H739 X

No Tumors (3)

Recov ✓ 63.6 63.9 47.9 69.0 59.0

LFL: 10865

SCORE = 2

RFL: 10866

Neck = 1 (#3) 1 (#2) 1 (#1) (14)

(RH: H740)

R eye = 1 (#2, #1)

L eye = 1 (#1) Mouth 1 (#1)

LFL: H741 77.5 77.5 62.7 83.0 81.0

RFL: H742

SCORE = 2

LH: H743 X

RFE: 2 (#1) 1 (#2)

LFE: 7 (#3) 1 (#2)

R eye: 1 (#2)

Recov 65.5 64.7 49.2 70.0 62.5

LFL: 10875 X (NOTCH broken)

RFL: 10876 X

R eye: 1 (#1)

(16)

(LFL: H744)

SCORE = 1

Recov 72.8 72.4 55.5 77.5 70.0

LFL: 10845 X

RFL: 10846 X

(RH: H749)

No Tumors

(17)

RFL: H747 66.1 66.1 52.2 71.5 67.5

RH: H748 X

No Tumors

(18)

5/29/92

SITE E

DAY 4

55

[SEP 16 1993]

Recov 69.4 65.2 50.4 70.0 62.0

LHG: 8641

RIS: 8640 X

L3-4: H750

No Tumors

(19)

LFL: H751 63.3 63.0 49.6 68.9 61.0

RFL: H752 X

LH: H753

No Tumors

(20)

Recov 65.3 65.1 52.1 70.0 63.0

LFL: 10909

RFL: 10910 X

RH: H754

No Tumors

(21)

Recov 70.6 70.4 57.1 76.0 71.0

L3-4: BBA421 PLASTIC ROTOMAG

SCORE = 2

RFL: Y546

L eye = 3 (#1)

RFL: Y545 X

R eye = 1 (#1) 1 (#2)

RH: H755

RFF = 1 (#1)

(22)

LFL: H756 73.3 73.2 56.5 77.5 71.5

RFL: H757

LH: H758 X

SCORE = 1

R eye = 1 (#1)

Neck = 1 (#2)

(23)

LFL: H759 64.6 64.5 49.4 70.0 63.0 (24)

R3-4: H760 X

LH: H761

SCORE = 2

R eye = 1 (#2) 1 (#1)

RFF = 3 (#2)

L eye = 2 (#2)

2 (#1)

Neck = 2 (#2)

LFE = 1 (#3)

[OK SEP 16 1993]

RFL: H762 63.5 63.4 47.9 69.0 59.5

LFL: H763 ✓ SCORE = 1

LH: H764 ✓ LFF = 1 (#2) (25)

RFL: H765 67.3 67.1 = 54.1 73.0 66.5

LFL: H766 ✓

LH: H767 No Tumors (26)

LFL: H768 69.3 69.0 = 54.5 75.0 68.0

RFL: H769 ✓ SCORE = 2

LH: H770 Neck = 1 (#3) Right hind (27)

Eye = 1 (#2) gone and healed.

LFL: H771 60.7 60.2 49.4 65.5 55.0

RFL: H772 ✓ SCORE = 1

LH: H773 R eye: 1 (#1) LFF = 1 (#1) (28)

L eye: 1 (#1) RFF = 1 (#1)

LH = 1 (#1)

Recovery

LFL: Y447 66.4 66.2 52.6 71.5 65.9

RFL: Y446 ✓

RH: H774 (29) No Tumors; Bone deep scratches in carapace.

LFL: H775 52.5 52.4 42.1 56.0 50.0

RFL: H776 ✓ SCORE = 3

LH: H777 R eye 1 (#2) (blind)

L eye 1 (#2) 1 (#1) 50% blind

Neck 2 (#2)

L jaw = 1 (#2) LFL 2 (#2) (30)

Day 4 5/29/92

TAG Recoveries = 13 (38.2%)
w/TUMORS = 6 (46.2%)

Newly tagged = 21
w/TUMORS = 11 (52.4%)

TOTAL = 34
w/TUMORS = 17 (50%)

5/29/92 SITE E DAY 4

end 59

SEP 16 1993

LFL: H778 65.9 65.8 53.4 72.5 67.0

RFL: H779 X

(31)

RH: H780

No Tumors

L 3-4: H781 61.6 59.3 51.2 66.5 63.5

RFL: H782

(broken notch)

SCORE = 2

LH: H783 X

(32)

and healed)

R, eye = 2 (#2) blind

L, eye = 1 (#2) 1 (#1)

LFL = 1 (#1)

Recovery

RFL: 10882 63.0 62.8 49.5 67.5 60.0

(In tumor; adult leeches)

LFL: 10881 X

L, eye = 1 (#2) 1 (#1)

(In tumor; adult leeches)

R, eye = 1 (#2) 1 (#2)

RH: H784

(33)

RFF = 1 (#3) 4 (#2)

1 (#1)

Score = 3

LFF = 1 (#3) 5 (#2)

Neck = 5 (#2)

Mouth = 1 (#2)

RH = 1 (#3)

LFL: H785 70.2 69.9 59.4 79.5 67.5

RFL: H786 X

RH: H787

(34)

No Tumors

MAY 26-29, 92
PAUATU

$$\bar{X} = 60.69 \text{ cm}$$

$$\text{SCL RANGE} = 36.2 \rightarrow 85.9 \text{ cm}$$

38 OF 84 NEWLY TAGGED HAVE TUMORS - 45.2%

SCORE	1	20	(52.6%)	Turtles
	2	14	(36.8%)	"
	3	4	(10.5%)	"
	4	0		"

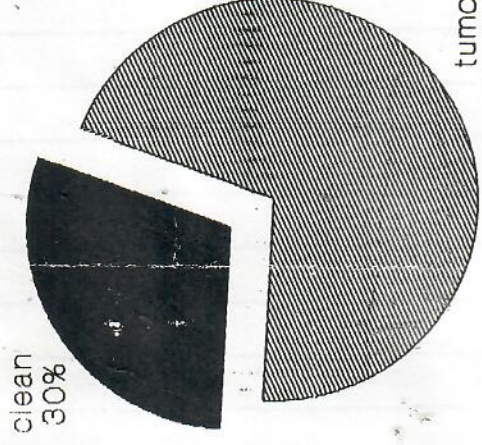
$$\text{SCL } \bar{X} = 65.28 \text{ cm}$$

$$\text{SCL RANGE} = 51.5 \rightarrow 79.3 \text{ cm}$$

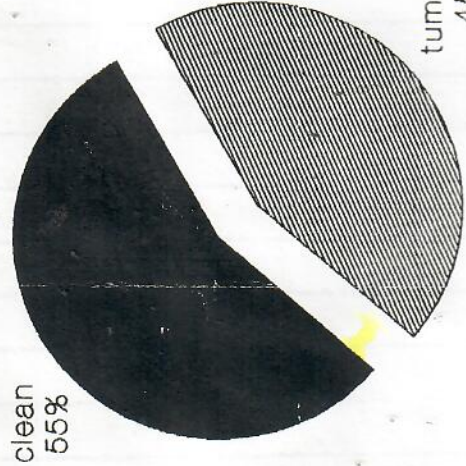
26 OF 37 TAG RECOVERIES HAVE TUMORS - 70.3%

SCORE	1	12	(46.2%)	Turtles
	2	12	(46.2%)	"
	3	2	(7.7%)	"
	4	0		"

Turtles Tagged at Palaau, Molokai May 26-29, 1992



Recaptured
(37 = 30.8%)



Newly Captured
(83 = 69.2%)

Total = 120 animals

SL = 65.3 cm
Range 51.5 - 79.3 cm

SL = 60.7 cm
Range 36.2 - 85.9 cm

9%

39%

Date Tagged: June 25, 1992

Location Caught: Palau J

Method of Capture: FIF (BULLPEN)

Number	Curved Length (cm)	Curved Width (cm)	Tag Number On Left Front Flipper	Tag Number On Right Front Flipper
1	^{SL} 85.5(78.5)	^{SL} 75.0(60.0)	V781	V782
2	^{SL} 42.0(39.0)	^{SL} 38.0(32.5)	V784	V785
3	^{SL} 63.0(58.0)	^{SL} 58.5(47.0)	7231	7232

Note: Also tagged left hind with V783; right hind bitten and healed over.

****RECOVERY****RECOVERY****RECOVERY****

Note: added V786 to right hind today.

Big south swell today & portions of nets hung up on reef. One turtle was seen escaping over the floaters. All three turtles handled today were clean of tumors.

MON TUES DAY1 WED DAY2 THURS DAY3 FRIDAY



DAY 1

11 AM 5:30 PM

DAY 2
 27 Total 22 new
 14 TMRs 11 w/TMR
 5 Recoveries (3 w/TMR)

2 Total DAY 1
 3 Recoveries (1 w/TMR)
 11 w/TMR (1 Recovery) =
 10 w/TMR (2 Recoveries)
 18 newly topped (10 w/TMR) > 8% 90
 3 recovery (1 w/TMR) 33%

70 total bullfin

22
 + 1 hand
 snorkel

On chart above: light figures A.M. dark figures P.M. Headings in feet. Count and figure for reference only.

PALAAU, MOLOKAI

SITE

29 July 92

Wed.

Depart 6:20 AM HA FL #100 w/ R. Miya

Arrive 6:50 AM

Budget rental \$23.99

TO Dock - out "INDI"

"B" w/ DART, Mr. Chang, Mike, girl

SITE B out from Santa Barbara; Alyssa w/ 2 year old
Net set 10 AM 7 w/ 10 year olds from Japan / Kyoto &

Net set about 7/28/92

Evening dinner at Dait Bicoy - Fried fish
Fred BicoyKids - XAVIER, UPHOBBE, Kaneala, Rosie
DANIELLE

30 July 92

Thurs

Net left same site.
Celia

31 July 92

Friday

Net at same site.

I Celia I explored out mid hand
captured the only turtle I saw -
resting on bottom under coral ~ 6' deep -
try recapture, with tumors.

Returned to dock ~ 3 pm.

SITE = B
29 July 92

TOTAL TIMES

Recovery

DAY 1

21 11

~~8~~ 3Newly TAGGED = 18
w/TIMES = 10 = 55.6%

w/TMR = 1 = 33.3%

30 July

DAY 2

27 14

Newly TAGGED = 22
w/TIMES = 11 = 50%5
w/TMR = 3 = 60%

31 July

DAY 3

22 10

(+ 1 hand snorkel)

Newly tagged = 17
w/TMR = 6 =5
w/TMR 4 = 80%

TOTAL — 70 35

Newly TAGGED = 57

w/TIMES = 27

47.4%

= 50% = 18.6
13
w/TMR = 8
(61.5%)

28°C PALAU

DAY 1

29 July 92
PALAU

SITE = B 69

TAGS ①

STRAIGHT

LENGTH

NOTCH

WIDTH

Length

WIDTH

64.1

63.9

48.6

69.0

61.5

H 954 LFL

RFL H955

RH H956

②

47.9 x 47.6 x 38.7

51.5 x 45.0

8th & 9th marginal left healed notch

LFL H957

RFL H958

RH H959

③

56.3 x 56.1 x 43.8

61.5 x 55.5

RFL H960 - not fully locked

LFL H961

RH H962

LH H963

④

55.2 x 54.9 x 40.9

59.0 x 50.5

LFL H964 - not fully locked

RFL H965

RH H966

LH H967

70
29 July 1992 DAY 1

Daniel's head (13.7) 13.9, 15.2 (Japan)

PALAUU SITE = B

(5)

57.5 X 57.1 X 44.9

62.0 X 54.0

Recovery

LFL ~~10943~~ 10943

RFL 10944

NEW TAGS

LH H969 ~~H973~~

RH H968

(6)

~~40.8 X~~

41.0 X 40.8 X 32.4

43.0 X 38.0

LFL H970

RFL H971

RH H972

(7)

57.0 X 56.8 X 45.7

61.0 X 55.0

LFL H973

RFL H974

LH H975

#3 at hind (along tagging site)

#2 timber score

(8)

62.4 X 61.6 X 49.9

67.0 X 59.5

Recovery

LFL 8845

RFL (no sign of tag scar)

RFL H976

RH H977

LH H978

SITE = B

29 JULY 92

DAY 1

71

TAGS

STRAIGHT		
Length	NOTCH	WIDTH

PALAUU CURVED	
LENGTH	WIDTH

⑨

44.5 x 44.2 x 37.1

46.5 x 43.0

LFL H979

RFL H980

RH H981

⑩

70.8 x 70.4 x 55.0

76.0 x 68.0

LFL H982

L3-4 H986

RFL H983

RH H984

LH H985

⑪

56.8 x 56.5 x 42.3

61.0 x 53.0

LFL H987

RFL H988

RH H989

Has a bloody nose - bumped in boat.

⑫

52.9 x 52.6 x 41.2

56.5 x 49.0

RFL H990

LFL H991

RH H992

2#1's on rt. eye.

Junior score 1

72

Day I

29 JULY 92

SITE = B

PALAUU

(13) 60.7 X 60.4 X 48.8 65.0 X 58.5
 LFL H993 1#2 RFL (near but not at tag site)
 RFL H994 also 2#1 RFF
 RH H995 3#1 LFF
 LH H996 1#2 & 1#1 left eye
 1#2 & 1#1 rt. eye

Tumor score 2

(14) 53.6 X 53.4 X 45.7 57.5 X 53.0
 RFL H997
 LFL H998 1#2, 1#1 - Left eye
 RH H999 2#1, 1#2 - rt. eye
 neck - 4#2's, & 3#1
 LFF - 4#2, 6#1
 RFF - 2#2, 1#1

Tumor score 2

Recovery

(15)

57.9 X 57.6 X 47.0 61.5 X 55.0

Recovery

SHAWN
DO NOT
ENTER

LFL 10790 RH R202
 RFL 10789 LH R203

R201 (Test)

RHF has healed slit

rt eye - 1#2 (ringing)

left eye 1#2 (likely no vision, bleeding)

RFL 1#2 (near but not at tag site)

Tumor score 2

29 JULY 92

DAY I SITE=B 73
PALAU
CURVED

TAGS

STRAIGHT
LENGTH NOTCH WIDTH

CURVED
LENGTH WIDTH

①6
LFL R205
RFL R204
LH R206
RH R207

52.0 x 55.7 x 46.7

to 12th marginal

56.0 x 57.5

RFF-1#2

Tumor Score=1

Postcentrals missing and healed.
Large curved piece missing.

①7 59.2 x 59.0 x 45.4

63.5 x 56.5

LFL R208

RFL R209

RH R210

LH R211

1#2 on mouth (jaw hinge left, associated w/ scales)

Tumor score 2

①8 61.7 x 61.5 x 48.5

67.0 x 60.0

RFL R212

neck 1#2

LFL R213

left eye 1#2

RH R214

~~1#2~~

LH R215

Tumor score 1

LFF has scale abnormality projection

①9 54.0 x 53.9 x 41.9

47.5 x 41.0

LFL R216

Rt eye 1#2, 1#3

RFL R217

lft eye 1#2, 1#1

RH R218

LFF 4#2 (near but not at)

neck 5#2 RFF 1#2

tag into

Tumor score 2

END DAY 1 29 JULY 92 SITE = B
PALAU

(20) 56.8 X 56.5 X 44.4 61.5 X 54.5
LFL R219 left hind has healed
RFL R220 deformity near tag site
RH R221
LH R222 1#2 on neck (right)
Jumper score 1

(21) 52.8 X 52.4 X 41.4 56.0 X 49.5
RFL R223
LFL R224
RH R225

SCORE 2
neck 1#2 (large) (partially hollowed out)
left eye 1#2
right eye 1#2 (possibly no vision)
LFFO 2#1, 1#2
(near LFL tag site)

RH 1#2

TAGS STRAIGHT LENGTH NOTCH WIDTH CURVED LENGTH WIDTH

① 74.9 x 74.5 x 56.7 80.0 x 72.0
LFL R ~~226~~ 226 2#1 on rt eye
RFL R 227 1#1 left eye
RH R 228 SCORE = 1
LH R 229

② 75.3 x 75.0 x 57.3 81.0 x 73.5
LFL R 230 RFF 1#2
RFL R 231 LFF 1#2
LH R 233 rt eye 1#1
RH R 232 SCORE = 1

③ 58.1 x 57.8 x 49.0 61.0 x 58.5
Recovery RFL V758
~~V757~~ (1L5)
NEW TAGS RH R 234
LH R 235
LFF 1#2 (near but not at tag site).
2nd central has healing gash.
GASH

④ 59.2 x 58.9 x 43.9 63.0 x 56.0
Recovery LFL Y561 NEW TAGS
RFL Y560 LH R 236
RH R 237 (close to edge)
left eye 1#2 Tumor score 1
rt eye 1#1

30 JULY 92 DAY 2 PALAU SITE = B

⑤ 56.3 X 56.2 X 42.4 61.0 X 53.0

LFL R238

RFL R239

LH R240

⑥ 68.6 X 68.4 X 53.2 74.5 X 67.0

LFL R241

RFL R242

LH R243

RH R244

Tumor score 1

ORIGINALY
who tagged?

⑦ 51.5 X 50.8 X 39.1 56.0 X 46.5

LFL has healed notch - tag loss?

RFL 10817 (close to edge)

New LH R245

RH R246

⑧ 43.1 X 42.9 X 36.4 46.0 X 42.0

LFL R247

RFL R248

RH R249

30 July 1972 DAY 2 PALMAUSITE = B 77

TAGS	LENGTH	NOTCH	WIDTH	LENGTH	WIDTH			
(9)	57.3	X	57.1	X	44.4	60.7 ⁵	X	51.5
	LFL	R250						
	RFL	R251						
	RH	R252						

(10)	46.6	X	46.5	X	34.8	49.0	X	42.5
	RFL	R253						
	LFL	R254						
	RH	R255						

(11)	51.7	X	51.5	X	40.6	55.5	X	49.5
	LFL	R256						
	RFL	R257						
	LH	R258						

(12)	40.1	X	39.9	X	31.2	43.0	X	37.5
	RFL	R259						
	LFL	R260						
	RH	R261						

78

Day 2 30 July 92

SITE = B
PALAUAN

(13)

48.3 X 48.0 X 38.1 51.0 X 47.0

RFL R262

LFL R263

LH R264

photo w/ Rosie
Dicoy

41.8

(14)

42.1 X ~~41.8~~ X 34.4 45.0 X 40.5

RFL R265

LFL R266

LH R267

(15)

49.1 X 48.9 X 38.1 52.5 X 45.0

RFL R268

LFL R269

RH R270

(16)

43.9 X 43.5 X 34.4 47.0 X 41.5

LFL R271

RFL R272

LH R273

SITE = B

PACMAN

79

30 JULY 92

TAGS

STRAIGHT
LENGTH NOTCH WIDTHCURVED
LENGTH WIDTH

(17)

53.7 X 53.4 X 43.5

57.5 X 50.0

RFL R274

(L15 has healed slit)

LFL R275

LH R276

left eye 1#2

Tumor score = 1

(18)

67.7 X 67.3 X 58.6

73.0 X 66.0

LFL R277

RFL R278

LH R279

RH R280

(19)

56.9 X 56.5 X 43.9

61.5 X 53.5

brownish carapace, photo taken along side
blackish carapace turtle

LFL has fresh slit (done today)

RFL R281

L3-4 R282

LH R283

neck 2#2

RH 2#2

RFF 1#2

LFF 3#2

Rt eye 1#2, 2#1

left eye 1#2, 2#1

Tumor score 2

(20)

44.5 X 44.3 X 36.9

48.0 X 43.0

RFL R284

LFF 1#3, 4#2

L3-4 ~~R285~~ R285

RFF 1#2

LH R286

Neck 1#2

Tumor score

3

mouth 1#2 (at jaw hinge) rt eye 1#2 (50% no vision)

1#2 (roof)

left eye 1#2

PALAU SITE = B not used DAY 2

30 JULY 92

(21)

68.6 X 68.2 X 53.8

74.0 X 67.5

R287 (no good) (fresh slit in LFL made today)

RFL R288

L3-4 R289

neck 1#2

LH R290

left eye 3#1

RH R291

rt. eye 1#1

tail 1#2

SCORE = 1

(22)

68.1 X 67.9 X 54.7

74.0 X 67.0

Recovery

~~R292~~
RFL 9487

LFL 9486

new LH R292

RH R293

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

rt eye 1#1, 1#2

Score = 2

(23)

54.9 X 54.7 X 44.7

59.0 X 54.0

LFL R294

RFL R295

RFF 2#1, 2#2

LH R296

LFF 2#1, 1#2

rt. eye 1#1

neck 2#2

left eye 1#1

Score = 2

TAGS.

STRAIGHT LENGTH NOTCH WIDTH

NOT USED CURVED LENGTH WIDTH

(24)

57.9 x 57.6 x 45.9 63.0 x 56.0

(blackish carapace, photo w/ brownish carapace)
~~R297~~ no good, fresh slit made in LFL

SCORE
1

L 3-4 = fresh slit

RFL R298 ← (R298)

LH R299

RH R300

rt eye 1#1

RFF 1#2

(25)

57.7 x 57.3 x 45.8 62.0 x 56.0

L 3-4 R301

tail 1#2

RFL R302

left eye 2#2 (multi lobe, 50% no vision)

RH R303

LH R304

rt. eye 3#2 (ingest)

severe moderate emaciation

RFF 1#3, 1#2

LFF 2#3, 1#2

neck 6#2, 1#3

mouth 1#2 (large on glottis)

Tumor score 3

(26)

51.2 x 51.0 x 42.0 55.5 x 50.0

curved piece healed & missing on Rt. hind

RFL R305

rt. eye 1#2 large (blind)

LFL R306

left eye 1#1

RH R307

neck 1#2

RFF 1#1

LFF 1#2 rear but not at tag site

LH 2#3, 1#2

RH 1#2 (large)

Tumor score 3

tail 1#2 (large)

82 PALAU Day 2 30 JULY 92 SWF=

53.2 x 52.9 x 42.4 57.0 x 51.0

(27)

Recovery	LFL	V341
	RFL	V340
	RH	V342
	LH	R308

end Day 2

27 TOTAL

14 w/Tumors

5 Recoveries - (3 w/Tumors)

+
1

Turtle with extensive tumors
found dead in net enclosure
but ^{not} entangled or under
tail excessively limp.

Called for shipment to 17C-A2
for toxicology study.

31 July 92

SITE=B

Day 3

PALAU 83

TAGS

STRAIGHT
LENGTH NOTCH WIDTH

CURVED
LENGTH WIDTH

①

41.4 X 40.9 X 31.9

45.0 X 39.0

LFL R309

RFL R310

LH R311

②

74.0 X 74.0 X 58.7

81.0 X 73.5

RFL R312

LFL R313

L3-4 R314

RH R315

③

59.9 X 59.6 X 45.7

64.0 X 55.5

LFL R316

RFL R317

RH R318

④

73.5 X 73.4 X 56.4

78.5 X 69.0

LFL R319

RFL R320

RH R321

LH R322

1#1 rt. eye

Junior score 1

RUSS ONLY WRITE ON RIGHT SIDE IVE WHERE PUT HEADINGS

(1) 810 X 230
 LFL R313
 LFL R313
 L3-4-15314
 RH R312

(2) 244 X 216 X 257
 LFL R318
 RFL R317
 RH R318

(3) 101 X 131 X 261
 LFL R319
 RFL R320
 RH R321
 LH R322

Day 3 31 July 92

Palawan
SITE B

85

TAGS

STRAIGHT X NOTCH X WIDTH
LENGTH

LENGTH X WIDTH

⑤

72.4 X 71.6 X 56.1

78.5 X 71.0

LFL R323

RFL R324

RH R325

LH R326

⑥

56.4 X 55.7 X 47.7

63.0 X 60.0

chipped but healed post centrals

Recovery

RFL Y1488 (close to edge)

(L15) 9235

LH R327

RH R328

⑦

55.4 X 55.2 X 51.5

59.0 X 49.0

crescent shaped healing injury (jaw bite ^{SHARP} into side of carpace, similar corresponding injury on plaster)

RFL R329

LFL R330

RH R331

LH R332

⑧

41.5 X 41.1 X 33.8

44.0 X 39.5

RFL R333

LFL R334

RH R335

TAGS

STRAIGHT
LENGTH NOTCH WIDTHCURVED
LENGTH WIDTH

⑨

43.8 X 43.5 X 34.5

46.0 X 41.0

LFL R336

RFL R337

RH R338

⑩

71.8 X 71.4 X 55.0

77.0 X 66.0

RFL R339

LFL R340

LH R341

RH R342

2# 1 st. eye

Tumor score 1

⑪

58.9 X 58.7 X 46.2

63.5 X 55.5

left hind ~~of~~ amputated & healed

RFL R343

LFL R344

RH R345

⑫

53.0 X 52.6 X 53.7

56.5 X 51.0

LFL R346

RH R347

RFL R348

PALAUU
SITE B

Day 3

31 JULY 92

* MELE McPherson

* Kapua Sawyer

89

TAGS

LENGTH X NOTCH X WIDTH

LENGTH X WIDTH

44.4 X 44.3 X 35.2

47.0 X 41.0

13

PCA = PINK Coralline Algae on carapace

RFL R 349

LFL R 350

RH R 351

LH R 352

14

~~54.6~~ 54.6 X 54.5 X 43.3

59.0 X 52.5

RFL R 353

LFL R 354

RH R 355

15

~~63.8~~ 63.8 X 63.8 X 49.9

69.5 X 64.0

3rd & 4th lateral left, severe indentation but no apparent injuries

RFL R 356

LFL R 357

RH R 358

LH R 359

SCORE

LH 1#2

SCORE = 1

16

68.5 X 68.4 X 55.0

73.0 X 66.0

LFL 9843

~~9844~~ 9844 (R 1S)

RH R 360

R 361

Right eye 1#2

left eye 2#1, 1#2

neck 1#2

Jumpor ~~score~~ score 2

DAY 3 PALAPU SITE B

31 JULY 92

TAGS

LENGTH X NOTCH X WIDTH

CURVED
LENGTH X WIDTH

(17)

59.8 X 59.5 X 49.1

65.5 X 58.5

LFL R362

RFL R363

left eye 1#1
lt eye 1#3

SCORE=2

(18)

62.9 X 62.8 X 53.7

68.0 X 67.0

RFL R364

LFL R365

RH R366

LH R367

left eye 2#2, 1#1
rt eye 1#2

SCORE=2

(19)

63.4 X 63.2 X 49.7

67.5 X 61.5

Recovery

RFL 10883

1#2 RFL

LFL 10884

1#3 LFL (multi-lobed)
(multi-lobed)

LH H 623

Tumor score 3

healed notch RH at scale
mouth 1#2 (left jaw hinge)

rt eye 2#2

left eye 2#2, 2#1 (multi-lobed)

Previously recovered 5/92

(20)

51.3 X 51.0 X 38.1

54.5 X 45.5

LFL R368

rt eye 1#2, 1#1

RFL R369

left eye 1#2

RH R370

tail/cloaca 1#3

leech eggs on tail

LH 1#3

RH 1#3

Tumor score 3

neck 1#1

31 JULY 92 Day 3 PALAUU
SITE B

93
END

(21) 71.6 x 71.4 x 57.2 78.0 x 71.5
~~R371~~

Recovery LFL Y 360
RFL has healed slit
RH R371
LH R372
R 3-4 R373

Score = 1
at eye 1#2
healed indentation between 7th & 8th
marginal it.

69.9 x 69.7 x 55.1 75.5 x 68.5

(22) Recovery LFL H769
RFL H768 LH H770
RH missing & healed

Score = 2
Previously tagged 5/92
neck 1#3 (multi-lobed)
left eye 1#2 (~~50%~~ VISION)

(1) Hand / Snorkel
47.1 x 46.9 x 37.4 50.0 x ~~45.0~~

Recovery LFL Y 692 (LH R374)
RFL Y 693 (RH R375)
Tumor score 2
at eye 2#1 LH 1#2, 1#1
left eye 1#1 RH 1#1
tail 1#1
neck 6#2, 6#1
LFF 4#1, 4#2 (#2 at LFL tag site)
RFF 7#1, 1#2 (#2 at RFL tag site)

94

1/4/92
DAY ①
SITE A

NO. CAUGHT	NO. NEWLY TRAPPED	% TMR	NO. RECAP.	% TMR
27	15	40%	12	42%

1/5/92
SITE A DAY ②

16	10	30%	6	67%
----	----	-----	---	-----

1/6/92
SITE A DAY ③

12	7	42%	5	60%
----	---	-----	---	-----

<u>TOTAL</u>	55	32	37.5%	23	52.2%
--------------	----	----	-------	----	-------

55 total, 24 TMs (43.6%)

Recaptures = 23 (41.8%)

1/4/93

DAY 1

4 JAN. 93 | SITE = A
95

TAGS

STRAIGHT

Curved

①

Length	notch	width
62.2	62.1	47.4

Length	width
67.0	57.0

R603 RFL

R604 LFL Neck 1-#3, 1-#2

R605 LH Left eye 1-#1

R eye 2-#1

Score = 2

~~Recovery~~ Tag 15 close edge

Length	notch	width	Length	width
70.6	70.4	57.7	75.5	72.5

② Y568 LFL

Y567 RFL

L3-4 BBA424
← (R606 LH) new

Left eye 1-#2

R eye 1-#2, 1-#1 Ring

RFF 1-#2 (neurotic hole)

Score = 2

NECROTIC HOLE

Length	notch	width	Length	width
52.8	52.4	40.7	57.5	49.0

③ R607 RFL

R608 LFL

R609 LH

LFF 2#2, 1#1

RFF 4#1

Left eye 1#2

Left JAW HINGE 1-#2

Score = 2

1/4/93 ④

~~Recovery~~

this dark ringed

Old Tag. RFL 9518

SL - 73.6

N - 73.1

SW - 56.3

CL - 78.5

CW - 70.5

Score 2

this date LFL 9517 (Ringed)

NEW TAG RH R610

rt jaw hinge - 1#2 (swelling)

rt eye 1#2

lft eye 1#2 → limited vision

neck 2#2

lft hind 1#2

ALL SITE A

SU = Smooth unpigmented
 Area - old or new
 tumor site?

⑧ 1/4/93

SL = 58.2

N = 58.0

SW = 46.4

CL = 62.0

CW = 56.0

SCORE =

1

RFL R620

LFL R621

LH R622

neck - 2 #2

Smooth unpigmented
 area

RFF #2 (SU)

RHF 1 #2 (SU)

⑨

RECOVERYOLD TAGS

SL = 69.4

L3-4 R289

N = 69.0

RFL R288

SW = 54.2

CL = 75.5

RH R291

CW = 68.5

LH R290

1/4/93

neck 1 #2, 1 #1

rt eye 1 #1

RFF 2 #2

SCORE =

lft eye 2 #1

2

RECOVERED

Width

⑤ 1/4/93 LFL R611
 SL-70.7 RFL R612
 N-70.3 RH R613
 SW-57.1 LH R614
 CL-76.0 LFF 1#2
 CW-70.0 left eye 1#2
 rt. eye 1#2
 RFF 1#1

SCORE = 2

ALL SITE A
 RFL R615
 LFL R616
 LH R617
 RH R618
 rt eye 1#1
 left eye 1#2

RECOVERY RH V68 1/4/93
awall

⑦ OLD TAGS
 SL-65.1 LFL BBA427
 N-64.1 RFL Y556
 SW-52.4
 CL-70.5 NEW LH R619
 CW-64.5 left eye 1#3
 rt eye 1#2
 RFF 1#3

SCORE = 3

⑥ 1/4/93
 SL-64.7
 N-64.6
 SW-50.4
 CL-70.5
 CW-62.5
 SCORE = 1

RECOVERED OLD TAGS

⑩ 1/4/93
 SL-52.9
 N-52.9
 SW-41.9
 CL-57.5
 CW-51.0

LIS V774
 RFL V775
NEW - RH R623

NECK 1#3
 rt jaw hinge 1#2

SCORE = 2

(11)

ALL SITE A

SL-72.2 LFL R624
 N-72.2 RFL R625
 SW-55.4 LH R626
 CL-78.5 RH R627
 CW-69.5

SCORE =
2

left eye 1#2,
1#1
 rt eye 1#2

RFF 1#2

1/4/93

Recovery DID TAG

RFL V 345
 L3-4 V 346

SL-40.2
 N-39.9
 SW-32.4
 CL-43.0 (NEW) LH R628
 CW-37.5

Hawaii

* Plastic object
 (13) cut off neck
 (photos)

SL-45.4

N-~~45.4~~

NOT TAKEN

SW-37.6

CL-48.0

CW-44.5

1/4/93

LFL R629

RFL R630

LH R631

(14)

(15) 1/4/93

SL-52.2

N-51.9

SW-40.8

CL-56.0

CW-49.5

LFL R635

RFL R636

LH R637

(14) 1/4/93

SL-43.3

N-43.0

SW-36.8

CL-46.5

CW-44.0

LFL R632

RFL R633

LH R634

ALL SITE A

16 1/4/93

RECOVERY

OLD TAGS

SL-60.3
N-59.4
SW-47.3
CL-64.5
CW-57.5

RFL 9505
LFL 9504

NEW - LH R638
RH R639

rt eye - suspicious bump

17 1/4/93

SL-49.1
N-49.0
SW-37.7
CL-53.0
CW-46.5

LFL R640
RFL R641
LH R642

18 1/4/93

SL-49.3
N-49.2
SW-38.9
CL-53.0
CW-47.0

LFL R643
RFL R644
LH R645

19 1/4/93

SL-70.8
N-70.7
SW-55.7
CL-75.5
CW-69.5

RECOVERY
OLD TAGS

LFL R646
RFL R647
RH R648

NEW - LH R646

20 1/4/93

SL-72.7
N-72.5
SW-56.0
CL-78.5
CW-69.5

LFL R647
RFL R648
LH R649
RH R650

100 All

(21) SNEA

1/4/93

SL-61.7

N-61.5

SW-49.8

CL-67.5

CW-61.5

LFL R651

RFL R652

LH R653

RH R654

(22)

RECOVERY

OLD TAGS

SL-63.4

N-62.6

SW-50.7

CL-68.5

CW-61.0

1/4/93

RFL H976

LFL 8845

LH H978

RH H977

(24)

1/4/93

SL-65.5

N-65.2

SW-50.5

CL-71.0

CW-64.0

LFL R656

RFL R657

RH R658

(23) 1/4/93

SL-56.3

N- —

SW-47.5

CL-63.0

CW-60.0

1/4/93

healed injuries to PC

RECOVERY

OLD TAGS

LH R327

RH R328

LIS 9235

RFL-healed slit

(NEW)

RFL

R655
(ringed)

(25) 1/4/93

SL-65.0

N- —

SW-51.7

CL-70.0

CW-62.0

LFL R659

RFL R660

RH R661

LH R662

ALL SITE A

Straight

Curved 101

TAGS

Length notch width

Length width

20 1/4/92

SL - 45.8

N - 45.2

SW - 35.4

CL - 49.5

CW - 43.0

RECOVERY

OLD TAGS

LFL R271

RFL R272

LH R273

27

RECOVERY

OLD TAGS

SL - 48.8

N - 48.7

SW - 38.6

CL - 51.5

CW - 47.0

1/4/92

LFL R263

RFL R262

LH R264

2nd day one

PALAU

SITE A

1/5/92

1

CL 69.0

CW 62.5

SL 63.6

SW 50.7

N 63.2

R663 - LFL

R664 - RFL

R665 - LH

TUE3,

2

CL 76.5

CW 67.5

SL 71.9

N 71.4

SW 54.0

R666 - RFL

R667 - LFL

R668 - LH

R669 - RH

NOTE: slight indentation between 2nd & 4th lateral right, on carapace.

5 JAN 93

PALAU SITE A

③

CL 77.0

CW 66.5

SL 70.6

N 70.5

SW 54.1

Tag Recovery

T-50287 - RFL

H-624 - LFL

H-625 - RH

R-670 - LH (new)

④ CL 79.5

CW 70.0

SL 74.6

N 74.4

SW 56.4

Tag Recovery

9211 - RFL

9213 - LFL

9214 - LH

R-671 - RH (new)

TUMORS R. Eye - 2 - #1 ; Left Eye - 1 - #1

R. Jaw hinge 1 - #1

L. Jaw hinge 1 - #1

Score - #1

⑤ CL 73.5

CW 62.5

SL 67.8

N 67.6

SW 51.5

R-672 - LFL

R-673 - RFL

R-674 - LH

R-675 - RH

⑥ CL 63.0

CW 54.5

SL 58.4

N 58.2

SW 46.4

R-676 - LFL

R-677 - RFL

R-678 - LH

R-679 - RH

TUMOR 1 - #2 - L. Jaw hinge

Score - #1

S

TAGS	LENGTH	NOTCH	WIDTH	Length	Width
RFL-R680	64.4	64.2	50.6	69.0	61.5
LFL-R681					
RH R682	2 smooth unpigmented spots on ventral neck.				
LH R683					

Tag Recovery	76.2	76.2	58.4	81.0	72.0
RFL-9520					
LFL-9519	*missing LH amputated/healed.				
RH-R684 (new)					

⑧ RF Flipper - 14.6 Plastron - 61.5
 Male Tail: 42.0 29.0 - cloaca
 Scar - ventral surface of distal tail. (10cm scar)
 Plastron - 12cm scar

⑨	68.4	68.4	55.1	74.0	67.0
R-685-LFL					
R-686-RFL					
R-687-LH					
R-688-RH					

⑩	43.3	42.9	35.5	46.0	41.0
R-689 - Bad tag	NOT USED				
R-690-RFL	<div style="display: flex; justify-content: space-between; font-size: small;"> created comment </div> Slit in LFL from misapplied tag				
R-691-L3-4 ^{du}					
R-692-RH	Relatively clean shell; recent arrival to nearshore				

⑪ Photos taken of white spot on carapace
 Located on 3rd lateral Right 0.5cm ^{DIAMETER} long
 5cm below distal seam; 9cm from proximal seam; 2.5 from anterior seam
 7.0 from posterior seam.

CONTINUED
 ON FOLLOWING
 PAGE

⑪: Comments on previous page

HTH:W

HTH:W

HTH:W

HTH:W

HTH:W

22A

CL - 49.5

CW - 43.0

SL - 46.7

N 46.4

SW 37.5

R694 - RFL

R693 - LFL;

R695 - LH

⑫ CL - 51.0

CW 46.0

SL 47.6

N 47.2

SW 38.2

L34 - R696

R34 - R697

RH - R698

TUMORS

RFF - 1-#3

L eye 2-#1's

Neck - 1-#2

LFF - 1-#3; 1#2

LH - 1-#1

Score - 3

R. Jaw hinge - 1 #2 (+hole)

⑬ CL 86.0

CW 79.0

SL 79.9

N 79.9

SW 62.2

RH - R699

LH - R700

IRS - 6452

LFL - Tag (Tumor)

MALE Adult

(but tail not measured)

TUMORS

RFF - 2#3; 1#2 (RFL)

LFF - 2 #2 (LFL)

Neck - 1-#1, 1-#2

1-#3

L Eye - 1-#2

R Eye - 1-#1

R Jaw hg - 1-#2

L Jaw hg - 1-#2

Glottis - 1#2

SCORE - 3

Tail - 2 #3 (1 on cloaca)

Recovery

Tag present
But number
couldn't be
determined because
tag is imbedded
in tumor.
Determine number from TDPS

JAN 5, 93

SITE A PALAU

105

TAGS	S			C	
	LENGTH	NOTCH	WIDTH	LENGTH	WIDTH
Recovery (14)	75.9	75.6	58.6	81.0	71.5
H 724 - RFL	TUMOR R. Eye - 1 - #2				
H 725 - LFL					
H 726 - RH					
H 727 - LH					
Score - 1					

Tag Recovery (15)	76.0	75.8	59.0	82.0	71.0
RFL 7823	TUMOR R. Eye - 1 - #1				
LFL: 7824	LFF - 1 - #1				
R-701 LH (new)					
R-702 RH (new)					
Score 1					

(16)	70.0	69.9	54.5	74.0	66.5
R703 - LFL	TUMOR				
R704 - RFL	RFF - 1 - #2				
R705 - RH	L. eye - 1 - #1				
R706 - LH					
Score - 1					

END DAY 2

DAY 3
SITE A 1/6/93 S

R 663 in net from 1-593
WHITE PAINT C 107

TAGS	LENGTH	NOTCH	WIDTH	LENGTH	WIDTH
(Recovery) 9496 LFL (Ringed) 9496	65.6	65.1	51.5	71.0	62.5
9497 RFL RFL 9497					

(1)

R707-LH LHR 707 8707
R708-RH RHR 708 8708

(2)

SL N SW CL CW
43.6 43.4 36.6 47.5 42.5

R726 RFL - small extra acute on seam
R727 LFL of plastion
R728 LH

(3)

SL N SW CL CW
67.2 67.0 52.9 73.0 67.0

(Recovery)

Y447 LFL RT eye 1#1
Y446 RFL (close to edge) SCORE
#774 RH 1
R729 LH

(Recovery)

(4)

SL N SW CL CW
70.6 69.8 53.5 77.0 67.0

R3-4 Z 166, - left eye 1#1, 1#2 SCORE
RFL 8519 8519 left jaw fringe 1#2 1
LFL 8520 → clump of ~~the~~ *Amansia* on top 8520
RH R730 LH R731

DAY 3 SITE A
1/6/93

S

C 109

TAGS

LENGTH

NOTCH

WIDTH

LENGTH WIDTH

58.9

58.4

47.2

64.0

57.0

R709 LFL

R710 RFL

R711 LH

R712 RH

(5)

(6)

SL

N

SW

CL

CW

65.9

65.2

52.2

70.5

65.5

- fresh notch 11th marginal. rt & PC

R732 LFL

R733 RFL

R734 LH

R735 RH

RFF 1#2

SCORE 1

(7)

SL

N

SW

CL

CW

66.0

65.8

53.5

71.5

63.5

R736 LFL

R737 RFL

R738 LH

R739 RH

SCORE 2

lft eye 2#1

rt eye 2#1

LFF 3#2, 2#1

RFF 1#2

neck 2#1, 1#2

(seems & scutes) anterior edge of plastron 1#2

RH 1#2

Recovery

(8)

SL

N

SW

CL

CW

61.5

61.0

46.4

66.0

56.5

SCORE

H772 RFL

H771 LFL

H773 LH

neck 1#3, 5#2, 2#1

RFF 3#2, 2#1

LFF 5#2

rt eye 1#2

lft ^{JAW} hinge 1#1

lft ^{JAW} eye 2#2 (bloody eyes)

limited vision

3

Continued

from H 773
H 772

H 771

LH 2#2, 1#1

RH 3#1

(new tag) R 740 - RH

Score
3

DAY 3 SITE A 1/6/93

111

Tags Length Notch Width
Straight

Curved
Length Width

52.0 51.7 43.4

55.5 51.5

R713 LFL

R714 RFL

R715 LH

R716 RH

(9)

SITE A

Day 3 1/6/93

113

TAGS	SL	N	SW	CL	CW
Recovery	74.1	74.0	58.7	82.0	76.5
Y526 L3-4	<u>RECOVERY</u>		<u>10</u>		
BBA415 LFL					
Y525 RFL					
R717 RH (NEW)					

~~25~~

DAY 3 SITE A 1/6/93

115

TAGS	SL	N	SW	CL	CW
R718	61.6	61.3	46.8	66.5	57.0
LFL	(11)				
R719	RFL		RFF	#2 (not at tag site)	
R720	LH				
R721	RH	SCORE	1		

SITE A 1/6/93 DAY 3

117

TAGS

SL

N

SW

EL

CW

66.9

66.9

50.6

73.0

63.5

R722 LFL

R723 RFL

R724 LH

R725 RH

(SAME)

12

DATES	Days fishing	NO. Captured	SEAS		NO. Newly Tagged	% TMR	NO. Recaptured	% TMR
28 FEB. -	2							
2 MAR. 90	2	13			12 (5)	41.7%	1 (0)	0%
7-9 MAY 90	3	51			44 (5)	11.4%	7 (1)	14.3%
2-3 JULY 90	2	36			29 (10)	34.5%	7 (3)	42.9%
9-11 JULY 90	3	82	A&G		72 (13)	18.1%	10 (3)	30.0%
9-11 JULY 91	3	31			28 (6)	21.4%	3 (1)	33.3%
15-16 NOV 91	2	45			27 (9)	33.9%	18 (7)	39%
4-6 DEC 91	3	41			26 (12)	46.2%	15 (9)	60%
26-29 MAY 92	4	121			84 (38)	45.2%	37 (26)	70.3%
29-31 JULY 92	3	70			57 (27)	47.4%	13 (8)	61%
4-6 JAN 93	3	55			32 (12)	37.5%	23 (12)	52%
		545			405 (137)	(33.8%)	148 (70)	(47.3%)

- SIZE DIFFERENCES BETWEEN 2 GROUPS 123

- BUT HOW MANY RECAPTURES ARE
ONES THAT HAD TUMORS WHEN
NEWLY TAGGED AND ARE NOW
RECOVERED? ANALYZE 5/92
SAMPLING TO MAKE THIS
DETERMINATION, VIEW EACH RECOVERED
ONE IN TDPS. - Historical summary

- HOW MANY HAD TUMORS AT
TAG SITE VS. NOT?

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

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

BILL PULOGA
 Box 175
 KUALAPUU,
 - 96757
 553-3378

ED & DIANE
 VERNON McMILLAN Inc.
 THE ROYAL LINE
 Tel. 553-5702

Air Molokai -
 553-3436
 Molokai

COMPOSITION BOOK

9 3/4 IN. x 7 1/2 IN. (24.8 cm x 19 cm)
 AVAILABLE AS:
 No. 09-9130 (1130) 80 SHEETS COLLEGE RULED & MARGIN
 No. 09-9132 (1130-P) 80 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.
 VERNON McMILLAN, Inc. ELIZABETH, N.J. 07208

TAGS LEFT FOR BILL
 4/26/85 -
 8602-8625 (24)
 8812-8825 (14)
 8826-8850 (25)
 TOTAL - 63

ME
 LE
 mill
 cen
 dec
 met
 dec.
 hec
 kilo
 myr
 AR
 squ
 squ.
 are
 hecl
 sq. f
 WE
 milli
 cent
 deci
 gran
 deca
 hect
 kilog
 quint
 metric ton

21 MAY-3 JUNE 85

8453-55 (3)
 8458-63 (6)

TOTAL - 9
 220.48 pounds
 1.1 t.

LIBRARY OF
 GEORGE H. BALAZS
 8456, 8459 (USED AT MAUI ELECTRIC)

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 96822-2396

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

14694 MAUI Repeater

INCONEL
 Size 681
 TAGS Y-355 Through Y-600
 5- JULY 1989
 + BLUE DARTON PLASTIC BBA401 - BBA446
 (FROM TERRY O'GREN)
 SEND NMFS LAB
 VIRGINIA KEY, FL 33149
 INSPECTION = MIAMI, FL

KAUAI START " 6400 series tags
MAY 82

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)

TOTAL TAGS USED - 159

5-7 JULY 89
 Y-355 TO Y-600, 9163-9181
 BBA401 TO BBA440

9476 - 9550 (75)

9393 - 9400 (8)

TOTAL = 83

Sent to Bill on 7/24/85.
 Puleoa

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

SITE =

3-4 JUNE 1987
 BULLPEN w/ MEDICOS - REC
 3 JUNE - 10 (1)
 4 JUNE - 17 (3)
27

Bill Puleoa
 Box 175
 KUALAPUU, MOLOKAI 96757

TAGS TO PULEOA, CONTINUED

2-2-84 6676 - 6700 (25)

6726 - 6750 (25)

7225, 7226 - 7250 (25)

5-22-84 7851 - 7950 (100)

TAGS USED =
 9795
 9799 - 9800
 9841 - 9889
 (9857 NOT USED)

4/26/85 8602 - 8625 (24)

8812 - 8825 (14)

8826 - 8850 (25)

63 total

TAGS SENT TO Bill Puleoa

FOR USE ON MOLOKAI -

5-12-82 - 6426 - 6435 (10)

5-19-82 - 6446 - 6450 (5)
 6376 - 6425 (50)

9-8-82 - 6451 - 6475 (25)

ED & MARGIN 6526 - 6550 (25)

ED & MARGIN 6551 - 6600

MOHUA 10-11-82

10-31-82 6601 - 6650

7-8-83: 7276 - 7350 (75)

11-15 JULY 88

ED - BULLPEN CHARTER

+ 10,751 - 10,983 + 11,000

+ REUSE TAGS - GRN, OR, RED, YEL TOPS w/ 2 ALPHABET LETTER

Get TAG
Service
Summary
END of
book
& This
book

ED - 553-5702 — INSHORE SITE C
Bill - Office 567-6696, home - 553-37781
Wed. SITE 1 + 12 = 13 (2 pick-up days) = 3 cm
Friday

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

MEDEIROS BULLPEN

SITE A
47 + 3 + 1 = 51
SITE A

(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 46-71

9-11 JULY 1990 Medeiros bullpen

42 + 13 + 26

(+1 mortality) 11
81

(TAGS USED Z101 = Z149)

(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

15-16 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

(3 days)
3-DAY 4-6 DEC 91 P. 89, 96-103
NARRATIVE = P. 111

41 TURTLES TAGS USED =
V560-V600; V103; V109-
V139
T50226-T50247

SITE
F 76
pages 76

9-11 JULY 1991

Medeiros Bullpen - 2 DAYS SITE A
1 DAY SITE G

3 PICK-UP DAYS
(2 DAYS SITE A
1 DAY SITE G)

18+17+27=31 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)

BOORUM & PEASE
B&P

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

Esselte Pendaflex Corporation, Garden City, NY 11530
Made in U.S.A. B&P and Boorum & Pease are trademarks of
Esselte Pendaflex Corporation.

V101, V102
V104-V106
NOT USED
HERE

W H 6 B L Q
 George H. Balazs
 992-A Awaawaanoa Place
 Honolulu, Hawaii 96825

METRIC SYSTEM WITH U.S. EQUIVALENTS

METRIC UNIT (1) U.S. EQUIVALENT

LENGTH

millimeter	(mm)	0.04 inches
centimeter	(cm)	0.39 inches
decimeter	(dm)	3.94 inches
meter	(m)	39.37 inches
decameter	(Dm)	32.81 feet
hectometer	(hm)	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

METRIC UNIT (1) U.S. EQUIVALENT

VOLUME

cubic centimeter	(cm ³)	0.061 cubic inches
cubic decimeter	(dm ³)	0.0353 cubic feet
cubic meter	(m ³)	1.31 cubic yards
cubic decameter	(Dm ³)	13.10 cubic yards

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

TEL. 808-395-6409 or 808-943-1221 Collected

BALAZS
 992-A Awaawaanoa Place
 Honolulu, Hawaii 96825

No. 09-9132
Coll. Margin 60 Pgs



0 72156 99133 4