

MOLOKAI Book 2

LIBRARY OF
GEORGE H. BALAZS

BALAZS

2689512

57226

22-26 APRIL 1985 Molokai
 ED CHATTER for BILL PEN - P. 37-71
 (me & Robert)

21-24 MAY 1985 - - - - P. 77-89
 ZODIAC TO MOLOKAI

28 MAY-3 JUNE 1985 - "Molokai" - P. 89-103
 (me & KAM)

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

ED & DIANE - 553-5702
 Tel.



BILL Puleo
 Box 175
 KUALAPUU,
 - 96757
 553-3378

AIR MOLOKAI -
 553-3636
 MOLOKAI

TAGS LEFT FOR BILL

4/26/85 -

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

COMPOSITION BOOK

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

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

MOLOKAI NEEDS - P. 36

Made in U.S.A.

VERNON McMILLAN, Inc., ELIZABETH, N.J. 07208

21 MAY-3 JUNE 85

8453-55 (3) 1
 8458-63 (6) 5 work items

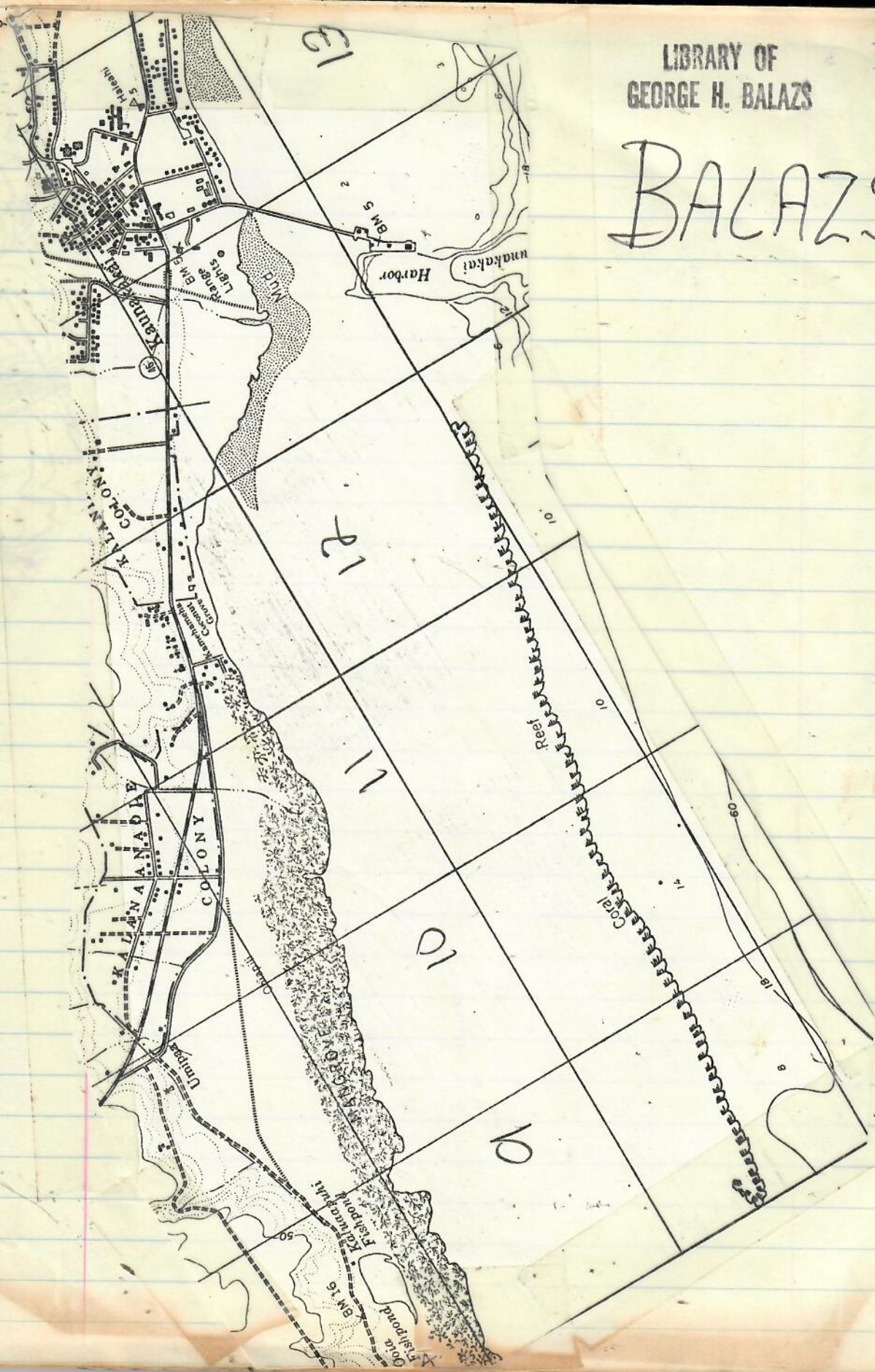
TOTAL - 9

LIBRARY OF
 GEORGE H. BALAZS

8456, 8457 (USED AT MAUI ELECTRIC)

LIBRARY OF
GEORGE H. BALAZS

BALAZS



2

8

6

SITE 3
4-26-85

4-23-85
SITE 1
HARVEST

4-24-85
SITE 2

45

50

50

50

K A H A N
(APANA I)
Oda Field Pond
Manawainu

ED & S
Simpson's
Simpson's

SPRINGS
ORCA
Simpson's
(APANA I)
P A L A T U

MANAWAINU
SITE 1
4-23-85
HOUSE ?
HOUSE ?
HOUSE ?

HOLOBUA
(APANA II)
MOTZ; MANGROVES ALL AROUND
MOTZ; BUT NOT SHOWING
MANGROVES

LOLIK
(APANA II)

SPRING
PANAHA
PANAHA

50

50

50

150

50

250

250

500

great
road

Guch

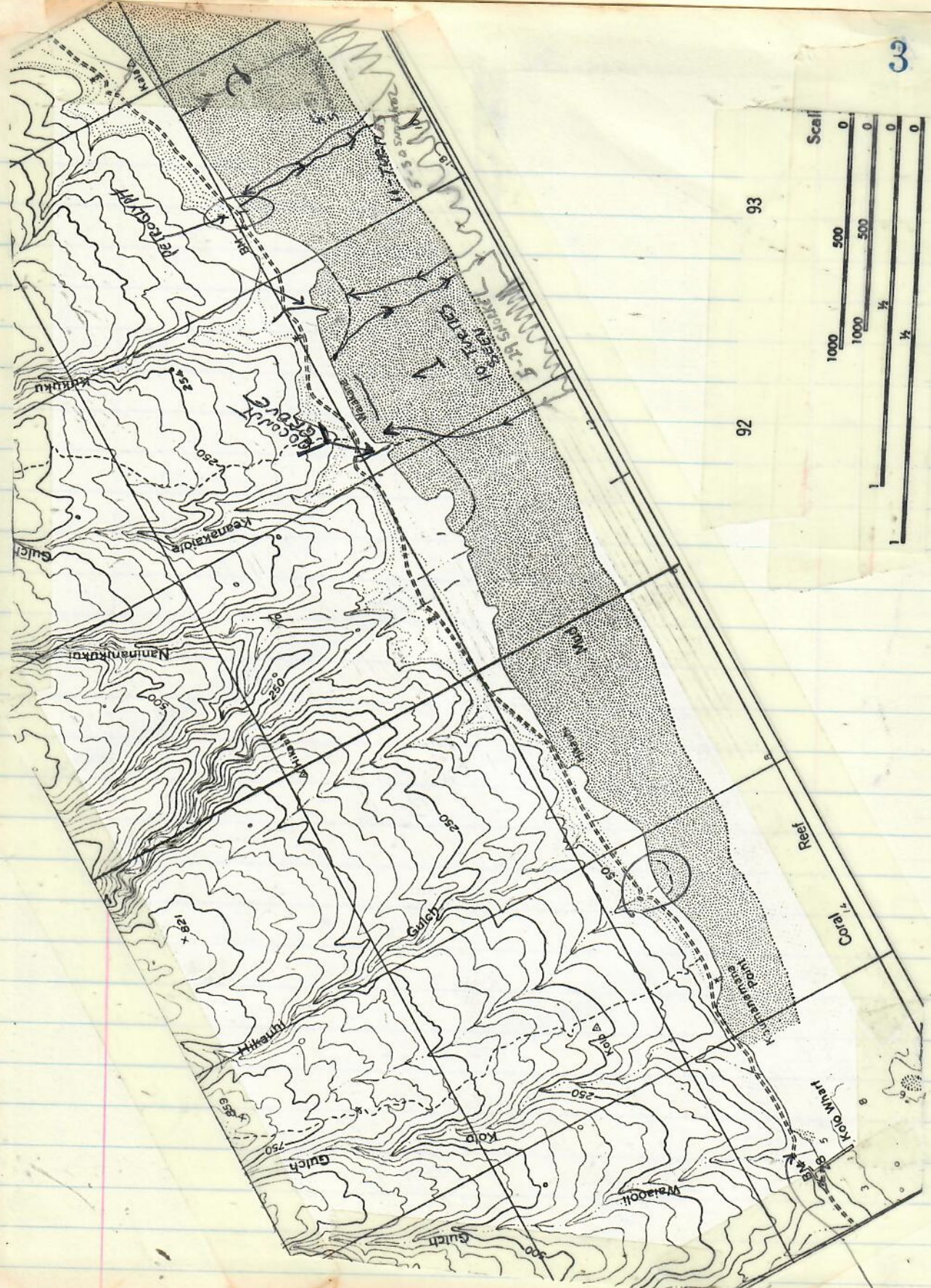
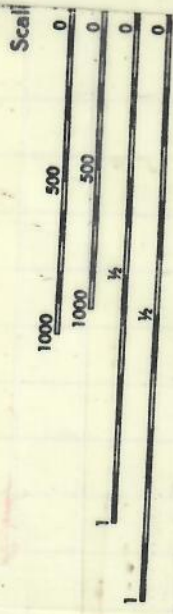
Guch

50

50

50

2



lock gate
 Molekri Enxh
 "Na TRESPASSING"

Date Tagged: Jan. 5, 1984
 Location Caught: Palauu
 Method of Capture: Nets

Number	Curved Length (cm)	Curved Width XXXXXX (cm)	Tag Number On Left Front Flipper	Tag Number On Right Front Flipper
<u>1</u>	<u>44.5</u>	<u>38.0</u>	<u>7301</u>	<u>7302</u>
	<u>42.0</u>	<u>34.0</u>		

↖ straight measurements ↗

Date Tagged: Jan. 6, 1984
 Location Caught: Palauu
 Method of Capture: Nets

Number	Curved Length	Curved Length (cm)	Tag Number On Left Front Flipper	Tag Number On Right Front Flipper
<u>1</u>	<u>43.0 (40.0)</u>	<u>37.0 (32.0)</u>	<u>7303</u>	<u>7304</u>
<u>2</u>	<u>50.0 (47.0)</u>	<u>45.0 (38.0)</u>	<u>7305</u>	<u>7306</u>
<u>3</u>	<u>51.0 (48.5)</u>	<u>43.5 (37.0)</u>	<u>7307</u>	<u>7308</u>
<u>4</u>	<u>53.0 (50.0)</u>	<u>47.0 (41.0)</u>	<u>7309</u>	<u>7310</u>

Remarks: These four turtles after tagging were released
at KAWELA. Numbers in parenthesis are straight measurements.
118 turtles tagged to date with 6 recoveries.

Date Tagged: Jan. 17, 1984

Location Caught: Ualapue, Molokai

Method of Capture: Nets

Number	Curved Length (cm)	Curved Width KXXXXX (cm)	Tag Number On Left Front Flipper	Tag Number On Right Front Flipper
<u>1*</u>	<u>75.0 (69.5)</u>	<u>71.0 (57.0)</u>	<u>7311</u>	<u>7312</u>
<u>2**</u>	<u>95.0 (87.0)</u>	<u>92.0 (71.0)</u>	<u>7313</u>	<u>7314</u>

*Resighted
nest of
East FFS
Summer
1989*

ENT #457

NOTE: straight measurements in parenthesis!

Remarks: *See attached sheet #1

**See attached sheet #2; this animal was a female.

120 turtles tagged to date with 6 recoveries.

Date Tagged: January 20, 1984

Location Caught: Kawela

Method of Capture: Nets

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved Width XXXXX (cm)</u>	<u>Tag Number On Left Front Flipper</u>	<u>Tag Number On Right Front Flipper</u>
<u>1</u>	<u>45.0 (42.0)</u>	<u>40.0 (34.0)</u>	<u>7315</u>	<u>7316</u>
<u>2</u>	<u>43.0 (41.0)</u>	<u>38.0 (33.0)</u>	<u>7317</u>	<u>7318</u>

Remarks: Straight measurements are notated in parenthesis.
122 turtles tagged to date with 6 recoveries.

Date Tagged: Jan. 26, 1984

Location Caught: Kawela

Method of Capture: Nets

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved (Width) XXXXX (cm)</u>	<u>Tag Number On Left Front Flipper</u>	<u>Tag Number On Right Front Flipper</u>
<u>1</u>	<u>41.5</u>	<u>39.5</u>	<u>7319</u>	<u>7320</u>
	<u>39.5</u>	<u>35.0</u>		

straight measurements

Remarks: Plastron completely white in color.
123 turtles tagged to date with 6 recoveries.
One more turtle seen in nets; right front flipper missing.

Date Tagged: January 28, 1984

Location Caught: Kawela

Method of Capture: Nets

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved Width XXXXX (cm)</u>	<u>Tag Number On Left Front Flipper</u>	<u>Tag Number On Right Front Flipper</u>
<u>1</u>	<u>50.5 (47.0)</u>	<u>42.0 (36.5)</u>	<u>7321</u>	<u>7322</u>
<u>2</u>	<u>70.0 (64.5)</u>	<u>59.0 (51.0)</u>	<u>7323</u>	<u>7324</u>
<u>3</u>	<u>67.0 (62.5)</u>	<u>60.0 (49.0)</u>	<u>7325</u>	<u>7326</u>

Note: Straight measurements in parenthesis.

Date Tagged: February 7, 1984

Location Caught: Palaau (Released at K'kai Dock)

Method of Capture: Nets

127 turtles tagged to date with 6 recoveries.

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved Width XXXXX (cm)</u>	<u>Tag Number On</u>	
			<u>Left Front Flipper</u>	<u>Right Front Flipper</u>
<u>1</u>	<u>63.5</u>	<u>56.0</u>	<u>7327</u>	<u>7328</u>
<u> </u>	<u>59.5</u>	<u>48.5</u>	<u> </u>	<u> </u>

straight measurements

Both animals were released at Kaunakakai Dock.

128 turtles tagged to date with 7 recoveries.

Date Tagged: February 8, 1984

Location Caught: Nets at Palaaau, K'kai side of 1st harbor

Method of Capture: Nets

Number	Curved Length (cm)	Curved Width xxxxxx (cm)	Tag Number On Left Front Flipper	Tag Number On Right Front Flipper
1	63.5 (59.0)	57.0 (48.5)	7329	7330
RECOVERYRECOVERY***RECOVERY***RECOVERY***RECOVERY***				
2	72.0 (67.5)	64.0 (55.5)	6402	6403 & 6404

Note: This animal was originally tagged 17 months ago on Sept. 3, 1982 approximately $\frac{1}{2}$ mile from initial site at Palaaau. Based on curved length measurements, the animal increased in length by 1.5 cm with a growth rate of 1.06 cm per year. All three tags were in good shape and still well secured to flippers. Calcareous growth on tags had to ^{be} scraped off prior to reading numbers. Tag punctures on flippers very well healed over with no evidence of infections or tearing.

Date Tagged: February 9, 1984Location Caught: PalaauMethod of Capture: Nets

Number	Curved Length (cm)	Curved Width XXXXXXXX (cm)	Tag Number On	
			Left Front Flipper	Right Front Flipper
1	85.5	83.0	7331	7332

78.0 → straight measurements
 ← 68.0

Female. Very robust and in good shape. ~~XXXXXXXXXX~~
 Released in same area. 129 turtles tagged to date with 7 recoveries.

All five turtles were released at Kaunakakai Dock.
 Straight measurements are recorded in parenthesis.
133 turtles tagged to date with 8 recoveries.

Date Tagged: February 11, 1984

Location Caught: Palaau, Outside of Biomass Plant

Method of Capture: Nets

Number	Curved Length (cm)	Curved Width KAKAKK (cm)	Tag Number On Left Front Flipper	Tag Number On Right Front Flipper
1	68.0 (64.0)	59.0 (51.0)	7333	7334
2	55.0 (52.5)	49.5 (41.5)	7335	7336 ENTRY NO. 7
3	67.5 (63.5)	62.0 (52.0)	7337	7338
4	50.0 (46.5)	45.0 (38.0)	7339	7340

RECOVERYRECOVERY***RECOVERY***RECOVERY***RECOVERY***RECOVERY***

R7

5 76.5 (71.5)

72.0 (57.5)

6453

6454

The above turtle was originally tagged on Molokai 16 months ago approximately 2 miles west of today's site. Both tags were in good shape with puncture holes on both flippers very well healed over. The turtle was robust and in good shape. The increase in curved length was $1\frac{1}{2}$ cm and the increase in curved width was 1.0 cm.

Recovered March 24, 1984
~~XXXXXXXX~~

Location Caught: Palaau, (Just east of house on reef)

Method of Capture: Nets

Number	Curved Length (inches)	Curved Width (MM)	Tag Number On	
			Left Front Flipper	Right Front Flipper
1	21½" (54.6 CM)	19½" (49.5 CM)	7335	7336

RECOVERYRECOVERY***RECOVERY***RECOVERY***RECOVERY***RECOVERY***RECOVERY

Note: This recapture indicates that this animal had returned to the intial site of tagging even though it had been released two miles away at Kaunakakai dock.

Remarks: This animal was originally tagged 6 weeks ago on 2/11/84.

2/11/84 55.0 49.5

(9 recoveries - 1/10/84)

PANAHANA?

Date Tagged: Feb. 23, 1984

~~Just West of Palau~~

Location Caught: Outside Panahaha Fishpond (released same)

Method of Capture: Nets

3* See attached sheet #1. 137 turtles tagged to date with 8 recoveries.

Number	Curved Length (cm)	Curved Width XXXXX (cm)	Tag Number On	
			Left Front Flipper	Right Front Flipper
1	73.0 (67.5)	64.5 (52.0)	7341	7342
2	62.5 (58.0)	58.0 (48.0)	7343	7344
3*	43.0 (40.5)	39.0 (36.0)	7345	7346
4	52.0 (48.5)	46.0 (38.0)	7347	7348

Note: Straight measurements in paranthesis.

Date Tagged: & February 24, 1984

Location Caught: Outside Pahiomu Fishpond (released same area)

Method of Capture: Nets

Remarks: 139 turtles tagged to date with 8 recoveries.

Number	Curved Length (cm)	Curved Width XXXXX (cm)	Tag Number On	
			Left Front Flipper	Right Front Flipper
1	41.0 (38.5)	38.0 (34.0)	7349	7350
2	40.5 (38.0)	36.0 (31.5)	6676	6677

Note: Straight measurements in paranthesis.

Date Tagged: 4-4-84Location Caught: PalaauMethod of Capture: Nets

Number	Curved		Curved Width XXXXXXXX (cm)	Tag Number On	
	Length (cm)			Left Front Flipper	Right Front Flipper
<u>1</u>	<u>46.0 (44.0)</u>		<u>41.0 (35.0)</u>	<u>6678</u>	<u>6679</u>
<u>2</u>	<u>46.0 (44.0)</u>		<u>41.0 (35.5)</u>	<u>6680</u>	<u>6681</u>
<u>3*</u>	<u>53.0 (48.5)</u> <u>43.0 (40.5)</u>		<u>38.0 (33.0)</u>	<u>6682</u>	<u>6683</u>
<u>4</u>	<u>41.5 (39.5)</u>		<u>36.5 (32.0)</u>	<u>6684</u>	<u>6685</u>

Remarks: *See attached sheet no.1. 143 turtles tagged to date
with 9 recoveries.

7/5/89

Date Tagged: 4-12-84

Location Caught: Kakahaia Fishpond

Method of Capture: Nets (released same area)

Number	Curved Length (cm)	Curved Width XXXXXX (cm)	Tag Number On Left Front Flipper	Tag Number On Right Front Flipper
R-9 1	63.0 (58.5)	56.5 (47.0)	6650	7276

Note: This is a recovery! This turtle was first tagged 31 weeks ago in the same general area.

Since then it has increased in size as follows:

(1) curved length - 1.0 cm

(2) curved width - 2.5 cm

(3) straight length - 1.0 cm

(4) straight width - 1.5 cm

Tags on both sides were "ingrown" and crusted over with deposit. However,

both tags were still well secured and firmly in place.

Remarks: 143 turtles tagged to date with 10 recoveries.

NOTE AGAIN - Bill adds 1 recovery to these turned in to him

records due to w-5 tags

Date Tagged: 4-13-84

Location Caught: Kakahaia Fishpond (Released same area)

Method of Capture: Nets

Number	Curved Length (cm)	Curved Width XXXXXX (cm)	Tag Number On	
			Left Front Flipper	Right Front Flipper
1	64.5 (60.5)	58.0 (47.5)	6686	6687
R-10-2*	52.5 (48.5)	45.5 (39.0)	6644	6645
3**	90.0 (83.0)	84.0 (65.0)	6688	6689

ENTRY NO. 10

*Note: This is a recovery! This animal was first tagged 40 weeks ago approximately 1 1/2 miles east of this site. Since then it has increased in sizes as follows:

(1) curved length = 5.0 cm

(2) curved width = 3.5 cm

(3) straight length = 4.0 cm

(4) straight width = 3.0 cm

Tags on both sides were "ingrown" and crusted
over with deposits which were scraped off to
make numbers readable. However, both tags
were secured and firmly in place.

** This turtle (number 3) is definitely a female.

Remarks: 145 turtles tagged to date with 11 recoveries.

Date Tagged: April 14, 1984Location Caught: Kanukuawa Fishpond (released same area)Method of Capture: Nets

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved Width XXXX (cm)</u>	<u>Tag Number On Left Front Flipper</u>	<u>Tag Number On Right Front Flipper</u>
<u>1</u>	<u>46.0 (43.5)</u>	<u>42.0 (36.5)</u>	<u>6690</u>	<u>6691</u>
<u>2*</u>	<u>86.5 (80.5)</u>	<u>81.0 (65.5)</u>	<u>6692</u>	<u>6693</u>
<u>3</u>	<u>90.0 (83.0)</u>	<u>82.0 (65.5)</u>	<u>6694</u>	<u>6695</u>

*The left front flipper of this animal (#2) is deformed.
See attached sheet #1. for description.

Note: Turtles 2 & 3 were females.

Also, two turtles caught and released yesterday had wandered back into the nets today. They were released without further measurements.

Tag numbers were: (1) 6686 & 6687

(2) 6644 & 6645

2 added here that Bill

P-12

P-II

Remarks: 148 turtles tagged to date with 11 recoveries.

Date Tagged: May 5, 1984

Location Caught: $\frac{1}{2}$ mile east of Kolo Wharf

Method of Capture: Nets

Number	Straight measurements in		Tag Number On	Tag Number On
	Curved Length (cm)	Curved Width (cm)	Left Front Flipper	Right Front Flipper
1*	83.0 (79.5)	78.5 (62.5)	6731	6732
2	88.0 (82.5)	80.0 (64.5)	6733	6734
3	74.0 (69.5)	63.5 (52.5)	6735	6736
4	69.5 (65.0)	63.5 (53.5)	6737	6738
5	48.0 (44.5)	43.0 (37.5)	6739	6740
6	43.9 (40.0)	39.0 (33.0)	6741	6742
7**	47.0 (43.5)	40.5 (35.5)	6743	6744
8	43.0 (40.5)	38.0 (33.5)	6745	6746
9***	53.5 (51.0)	46.0 (39.0)	6747	6748
10	43.5 (40.5)	38.5 (33.0)	6749	6750

Remarks: 163 turtles tagged to date with 12 recoveries.
(2 more turtles were in the bag today but not tagged because they were too big to handle.)

Date Tagged: May 9, 1984Location Caught: Kaumana Point (approx. 3/4 mile east of Kolo Wharf)Method of Capture: Nets

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved Width XXXXXX (cm)</u>	<u>Tag Number On Left Front Flipper</u>	<u>Tag Number On Right Front Flipper</u>
1	77.0 (71.0)	71.5 (57.5)	7225	7226
<u>68</u> → 2	<u>47.5 (44.5)</u>	<u>42.0 (35.5)</u>	7227	7228

7/2/90

Remarks: 165 turtles tagged to date with 12 recoveries.

Date Tagged: May 10, 1984

Location Caught: Palaau, just outside Biomass plant

Method of Capture: Nets

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved Width XXXXXX (cm)</u>	<u>Tag Number On Left Front Flipper</u>	<u>Tag Number On Right Front Flipper</u>
<u>1*</u>	<u>79.0 (71.0)</u>	<u>73.5 (61.0)</u>	<u>7229</u>	<u>7230</u>
<u>2</u>	<u>41.0 (38.5)</u>	<u>39.0 (33.0)</u>	<u>7231</u>	<u>7232</u>
<u>3</u>	<u>56.0 (51.5)</u>	<u>48.5 (39.0)</u>	<u>7233</u>	<u>7234</u>
<u>4</u>	<u>42.5 (39.5)</u>	<u>36.5 (32.5)</u>	<u>7235</u>	<u>7236</u>

Remarks: 1* See attached sheet #1. 169 turtles tagged to date with 12 recoveries. * (two more turtles were in the bag today but they were too big to handle.

Note

Date Tagged: 4-25-84Location Caught: Palaau, just outside biomass plantMethod of Capture: Nets

Number	Curved Length (cm)	Curved Width XXXXX (cm)	Tag Number On Left Front Flipper	Tag Number On Right Front Flipper
1	<u>63.5 (58.5)</u>	<u>56.5 (47.5)</u>	<u>6696</u>	<u>6697</u>
2	<u>51.0 (48.0)</u>	<u>45.0 (40.0)</u>	<u>6698</u>	<u>6699</u>
<u>R-13</u> 3*	<u>44.5 (41.5)</u>	<u>41.0 (34.5)</u>	<u>6599</u>	<u>6600</u>

6/3/87

* NOTE: This is a recovery. This animal was originally tagged 1 year and 12 weeks ago at Kamalo. This recovery indicates:

- (1) an increase of curved length of 5.5 cm;
- (2) an increase of curved width of 4.0 cm;
- (3) a movement of approximately 14 miles

to the west of where it was last seen.

Remarks: The chip in the rear end of the shell of #3 as described on the original report form (1/28/83) still evident. 150 turtles

Date Tagged: 4-26-84

Location Caught: Palaau, Just outside the biomass plant

Method of Capture: nets

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved Width XXXXXX (cm)</u>	<u>Tag Number On Left Front Flipper</u>	<u>Tag Number On Right Front Flipper</u>
<u>1*</u>	<u>44.0 (41.5)</u>	<u>38.0 (33.0)</u>	<u>6700</u>	<u>6726</u>
<u>2</u>	<u>41.0 (39.5)</u>	<u>37.0 (32.5)</u>	<u>6727</u>	<u>6728</u>
<u>3</u>	<u>62.5 (58.5)</u>	<u>57.0 (48.5)</u>	<u>6729</u>	<u>6730</u>

see p119 Book 3

Remarks: *See Attached Sheet #1. 153 turtles tagged to date with 12 recoveries.

Date Tagged: May 11, 1984Location Caught: Palauu, outside biomass plantMethod of Capture: Nets

Number	Curved Length (cm)	Curved Width XXXXXX (cm)	Tag Number On	
			Left Front Flipper	Right Front Flipper
1	48.0 (45.5)	42.5 (37.0)	7237	7238

Remarks: 170 turtles tagged to date with 12 recoveries.

NOTE AGAIN - Bill includes w-s tags turned in to him; in addition, I added 2 short term recoveries (1 day each) - I show 13, he shows 12. As of this date, I have 11 animals, 2 recovered twice, 13.

* * * * * TURTLES TAGGED ON MOLOKAI * * * * *

Date Tagged: May 16, 1984

Location Caught: Palaaau, 1 mile east of house on reef.

Method of Capture: Nets

Number	Curved Length (cm)	Curved Width XXXXXX (cm)	Tag Number On	
			Left Front Flipper	Right Front Flipper
1	61.0 56.7	39.0 (33.0)	7239	9564 2153
2	49.0 (46.5)	42.5 (36.5)	7240	5/2/90 S-68.6 x 54.4 C-73.5 x 66.0
3	44.5 (42.5)	40.0 (36.5)	7241	
4	73.5 (68.5)	67.0 (53.5)	7242	7249
5	52.5 (48.5)	45.0 (38.0)	7243	
6	81.0 (73.5)	75.0 (58.0)	7244	7245
7	79.0 (73.5)	73.0 (60.0)	7246	7247
8	64.0 (59.5)	57.5 (46.5)	7248	7249

RECOVERYRECOVERY***RECOVERY

9 / 82.0 (76.5) 71.5 (60.0) 6465 6466
 This animal was originally tagged 10/19/82 at approximately
 the same area it was caught today. Since then it has increased
 in curved length by $2\frac{1}{2}$ cm and in curved width by 2.0 cm.

RECOVERYRECOVERY***RECOVERY

10 64.0 (59.5) 57.0 (48.5) 7329 7330
 This turtle was first tagged on 2/8/84 at approximately the
 same area it was caught today. Since then it has increased
 in curved length by $\frac{1}{2}$ cm and in straight length by $\frac{1}{2}$ cm.
 There were no appreciable changes in the width measurements.

Remarks: 178 turtles tagged to date with 14 recoveries.

Date Tagged: Oct. 7, 1984Location Caught: KawelaMethod of Capture: Fisherman's nets

Number	Curved Length (cm)	Curved Width XXXXXX (cm)	Tag Number On	
			Left Front Flipper	Right Front Flipper
<u>1</u>	<u>72.0 (66.5)</u>	<u>62.5 (52.5)</u>	<u>7851</u>	<u>7852</u>

See attached #1. 179 turtles tagged to date with 15 recoveries.

Date Tagged: 10-17-84Location Caught: Kawela, outside Kawia fishpondMethod of Capture: nets

Number	Curved Length (cm)	Curved width XXXXXX (cm)	Tag Number On	
			Left Front Flipper	Right Front Flipper
<u>1</u>	<u>49.5 (45.5)</u>	<u>42.0 (36.0)</u>	<u>7853</u>	<u>7854</u>

Remarks: 180 turtles tagged with 15 recoveries to date.

2 TAGS left in Bill's Rock
 6605
 6606
 2/26/83
 (I have the tags)
 ?

Date Tagged: 10-18-84

Location Caught: Kawela, outside Kawia fishpond

Method of Capture: fisherman's nets

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved width XXXXXX (cm)</u>	<u>Tag Number On Left Front Flipper</u>	<u>Tag Number On Right Front Flipper</u>
<u>1</u>	<u>54.0 (50.5)</u>	<u>48.5 (41.5)</u>	<u>7855</u>	<u>7856</u>
<u>2</u>	<u>44.5 (41.5)</u>	<u>39.5 (33.5)</u>	<u>7857</u>	<u>7858</u>

Remarks: 187 turtles tagged to date with 15 recoveries.

Date Tagged: 10-20-84

Location Caught: Kamalo, outside Kanukuawa fishpond

Method of Capture: nets

<u>Number</u>	<u>Curved Length (cm)</u>	<u>Curved width XXXXXX (cm)</u>	<u>Tag Number On Left Front Flipper</u>	<u>Tag Number On Right Front Flipper</u>
<u>1</u>	<u>58.0 (54.5)</u>	<u>52.0 (44.5)</u>	<u>7859</u>	<u>7860</u>

Remarks: 182 turtles tagged to date with 15 recoveries.

Date Tagged: 10-22-84

Location Caught: Halepalaoa Landing, Lanai

Method of Capture: hand grab

DO NOT
INCLUDE IN
MOLOKAI
DATA

Number	Curved Length (cm)	Curved width XXXXXXXX (cm)	Tag Number On	
			Left Front Flipper	Right Front Flipper
1	39.5	36.0	7861	7862

Note: turtle was released at Manele Harbor;

two other turtles similar in size were also seen in this area.

Remarks: 184 turtles tagged to date with 15 recoveries.

10-5-84

George,

Talked to Ed recently. He told me that he had received the PO but could not produce any turtles as of yet. He said he was more than willing to set out the old net in conjunction with tagging turtles. I think it is a great idea! Do me a favor...get the legality angle worked out so I can come along also. You know what I mean, it's got to be sanctioned by DOCARE and DAR before I can participate. As much as I could care less sometimes, I feel I owe that much to Sakuda et al.

LANAI
TAGGING

In regards to recent anonymous return of tags... I don't feel it was a "rub it in your face" kind of deal. I am in good if not excellent terms with all the major fishermen on the island and I sincerely feel that no one is out to show me up. Quite the contrary, I feel someone thought enough about our endeavors to voluntarily return the tags. It was a conscious and concerted effort on the part of the returner to see that I got the tags back. He could have simply thrown the tags away and say the hell with it.

I got another anonymous tip last week concerning the remnants of turtles on the beach at East End. I found the chopped off head, tail section, na'au, and plastron on the beach between Niaupala and Kaopeahina Fishponds on the morning of Sept. 25th. It was a very large individual from the size of the head and the plastron. I did not take any measurements because of the deterioration and stench. Suffice it to say that it was large...at least 36" plastron length. I reported the incident to DOCARE ...casually as I remembered the uproar the last time I mentioned the discarded shells at the dump. They are aware of the situation.

I have the map of Moomomi and your request. I keep it in the vehicle and get the info from Dr. Kock the next time I see him...usually at the post office. It might interest you to know that the film industry is seeking a blanket permit for unsupervised filming on various sites on the neighbor islands. One of the places is Kalani Beach (in the Moomomi area) where Dr. Koch saw the nesting tracts. I mentioned this fact to Dave Echert who was asked to submit comments to the planning department concerning these permits. He asked if anyone confirmed this sighting (either you or me) and I replied negative. In addition, many of the sites the filming industry were seeking were in remote areas...prime candidates for potential turtle nesting sites. Just for your info.

All for now.

Yokwe,

Bill

Seems like they would disturb nesting areas if allowed to film in these areas.

I think this is the area!

34

Nov. 8, 1984

George,

Here's a couple more turtle tagging data for last month. They were turtles caught in fishing nets other than Ed Mederios'. I'm not sure what kind of net configuration he was using...and I didn't bother asking.

Finally ran into Ed at the dock recently and passed on your message to call collect. Did he ever?

Just got through reading your Punalu'u tagging efforts in the Makai. Sounds like lots of turtles there.

In regards to the last tagging at Halepalaoa, Lanai. Dave Echert and I went there to conduct a Cдуа field inspection. Some guy by the name of Star purchased a 7 acre parcel on the beach and now wants to dredge, dynamite some coral heads, construct a pier, etc. to handle some tour boats from Lahaina. While in the water counting critters, I noticed several more small size turtles around in relatively shallow water (10-20 feet). We were in the water for only 3/4 to 1 hour and in that short time I saw 3-4 turtles. I suspect there are a lot of them around. The caretaker of the property also confirmed this suspicion. Dave and I both concur that any large scale construction will have an effect on turtle activities in the area. By the way, the turtle tagged seemed exceptionally tame compared to others I've seen. He actually allowed me to swim over him for about 10 minutes and did not make any attempt to speed away. I kept above him not allowing him to come up for air and then dove down to grab him when I thought the time was right. For a moment, I thought he might have been sick or something. Nothing like that...just tame (or not experience in seeing humans).

Not much in the way of turtles here...the game wardens have been boarding boats netting in the Palaaу area but have yet to recover any evidence of poaching.

- ✓ - Wood stakes for reef (4-5') ^{or} Slate for boat (dive store) waterproof booklet
- ✓ - prop
- ✓ - razor & c-cell
- outboard service? Tighten head bolts?
- Pouch for vest
- ✓ - white bucket
- large velcro ^{on} wet suit
- Nautical maps - compile for drawings
- ✓ - JUNE TIDE CHART
- ✓ - check slides for coast landmarks.
- KIND of coral? Need Coral ID photos?
- Foot pump for zodiac + car
- ✓ ^{memo} - Tell witham about speared ^{Tagged} turtle near Bill's house.
- Photograph green areas before diving in them.
- close-up photos of Amansia, Hypnea, Bone wedge
- ✓ - Thermos for coffee + canned milk for cereal.
- ✓ - Read "dive turtle" notes from Book 1 and sighting reports.
- ✓ - Roll of slide film
- Shacks on the beach at KK
- House on sand bar at Palaall
- Reprography - photos from algae book.
- Note to WIG about wear & tear zodiac
- MOP program algae survey of Molokai?
- INFO to Arthur Rua

Call Boyan

→ MOLOKAI NEEDS -

DISSECTION +

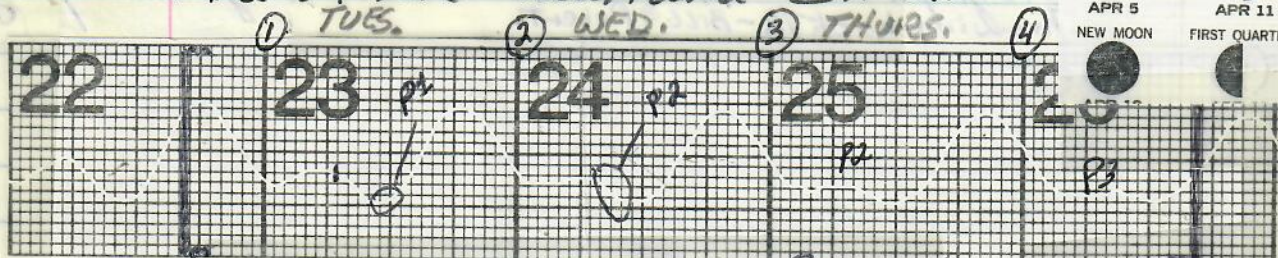
- ^{BONE WEDGES} FAT BIOPSY FOR PESTICIDE - need kit
- ✓ - Review photos from Aug-Sept. trip 1982
- ✓ - Call Air Molokai about shipping Zodiac + bottles
 - Polynesian Air? Hawaiian? BARGE? Mickey McGuire ^{Comp Pres}
- ✓ - Scuba air? Haul full bottles on barge
- Nautical map - Molokai from Bill
- ✓ - Vial of Wesson oil
- MORE REFILL ✓ - Formalin in vials
- Contact Milton Price
- ✓ - Update data from Bill
- Data from Diane, "zero" ^{caught} turtles + others
- ✓ - EYE Dropper
- ✓ - Use Bill's outboard gas can?
- Sightings where Bill used to see turtles when young. (look up in his old letter) ^{KAWELA KE}
- ✓ - Plastic engraved plates for under old turtle shells in restaurants. AUDUBON?
- Siphon pump for flushing turtle stomachs
- Shallow net 2 anchors & line for overnight set at Palaau ^{SEE PAUL, JOKIEL, MERRICES AND BROCK}
- Study sites in which coral reef description or inventory exists in the literature (AEC? other)
 - 1.) Palaau 2.) CAHAI 3.) KAWELA 4.) KAHULUI 5.) OLOWALU - Pika
- ~~Need~~ Need NAUTICAL chart for each site. Largest blow-up that exists.
- Schedule ED for netting under contract ^{ANSWER}
- CROWN-OF-THORNS INFESTATION: WHERE ON MOLOKAI?

22 APRIL 1985

MONDAY

Depart for Molokai with Robert Forsyth 4:35pm on Hawaiian AIR for Molokai. AHS van from airport to Pau Hana Inn. Contacted Bill Pukoa, and walked to Ceresis, Ed's boat, and left a message.

Ate at the Pau Hana Inn.



2 1/2h
SNORKEL
HARBOR REEF
TO THE WEST
while ed moved
net

SNORKEL
ALONG GUIDE
- INSHORE -
Crossed
over green hole -
inshore of guide.

④ SAME NET
SITE AS
YESTERDAY

FRIDAY
MOVED NET TO
EAST OF HARBOR
OUT IN DEEPER
WATER

23 APRIL 85

TUESDAY

up ~ 5:45am; Breakfast at Pau Hana Inn. Departed Pier at ~7:30am with Ed, Diane, Bill and Garth. Arrived slightly to the left of "harbor", just west of reef house, where net had been set last night - yesterday afternoon. 4/22/85

Calm weather, sunny skies - Several photos taken of net in water, Garth pulling in net. ⑧ turtles found in net, along with 3 large Ulua, 3-4 sharks (white tip & black tip) weke, Papio, etc. Photos of catch in boat.

Used electroanesthesia for larger turtles.

38 TUESDAY
23 APRIL 85

4/23/85
1- LFL 6376 RFL 6377 RHF-7941 (New)
SC 63.3 x 52.4 H- 9.9
N- 63.1 RFF-12.6 T- 10.5
CC 68.0 x 64.0 P-50.3

RECAP.
ORIG.
TAGGED
8-30-82

Recapture

Red Skin Algae Abundant

10.5cm increase in
curved length in 3.5 mo
= 4.0cm/year

Photographed - Pink Coraline on tags & fleshy
Throwing back in - Bill & Robert.

THE ABOVE IS THE TURTLE I HANDCAPTURED THE LAST TIME
I WENT OUT 8/82.

2- 7943 - RHF 7942 - LF 7944 - RF

Red Skin Algae Abundant

P- 52.1 H- 9.6 T- 12 RFF-10.4

SC- 65.0 x 50.2 N- 64.8

CC- 69.5 x 61.0

Pink Coraline Patches

(one of the above 2 turtles was later found
caught in the net inside bag while
Robert and were out diving. Pulped, revived
and released.

23 APRIL
TUES

39

3-

Recapture

ORIGINALLY TAGGED 1/5/84 PACANU

2.4 cm increase in 15.5 mon
= 1.86 cm/yr

7301 - LF 7302 - RF (Pink Coraline on tag)

SC - ^{42.0}44.4 x ^{34.0}34.5 Notch - 43.8

H - 7.0 RFF - 7.8 T - 9.0

CL - ^{44.5}47.0 x ^{38.0}40.0 P - 35.4

Right FF # ^{PE}FF margin healed ^{has} indentation
Carapace - Slimy Silt

4-

7945 - RF

7946 - LF

No graft

SC - 38.8 x 31.4

N - 38.4

H - 6.5

RFF - 7.1

T - 5.5

CC - 41.0 x 37.2

P - 31.2

Comparative photo of Plastron w/ turtle #5

(This one whitish - #5 yellowish/orange)

23 APRIL 85

650' Bag circumference

800' Leader (GUIDE)

Released at Kawela

WINGS=?

1450

Recapture

ORIGINALLY TAGGED 1/6/84 PALAAN

5-

7303-L

7304-R

3.7cm increase
in 16.5 mo
2.86 cm/yr

SC-43.7 X 35.1

N-43.4

H-7.4

RFF-7.9

T-9.0

CC-46.5 X 41.3

P-35.9

Patches of Pink Coraline

Released 1 year ago Kawela

6-

7949-LF

7947-R

7948-LHF

SC-51.7 X 40.2

N-51.3

CC-55.2 X 48.3

RFF-8.8

P-41.1

H-8.3

T-9.5

NOTE: Cived west end -
Nathaniel Burrows - Freshwater Springs along coast

23 APRIL
85 41

^{Print}
* 7- Comparative Canapae Photo #7 & 8 (^{# is} 7 Dark, ^{# is} 8 Sunburst)
7950-RF 7901-LF

No graft

SC - 41.6 x 32.6 N - 41.1 P - 34.3

CC - 44.5 x 39.7 H - 6.5 T - 7.5

RFF - 6.7

COMPARATIVE
PHOTOS

One Patch Pink Coraline

~~X~~

* 8- 7902-R 7903-L
SC-39.7 x 34.4 N-39.0 H-6.5
CC-42.0 x 40 RFF-6.9 T-8.0
P-32.0

Translucent edge to marginals
Whitish Plastron

note - Electro used on several of
the larger turtles.

4-23-8
TUES.

FINISHED BAGGING NET - - 9:45 am; picked up

4-23

Guide and side pieces - 1 hour.

TUESDAY

Out to ^{SNORKEL} dive at 10:50 am; return at 1:25 pm

Back AT K-K PIER 2:10 pm

Robert & I left the boat for snorkel while they took up the net and moved it $\sim 1/2$ mile to the east, presumably where they had caught 23 turtles in 8/9-82, shortly after my initial visit here.

We swam out toward the reef edge looking for "green" deeper areas and searching along the sand bottom of such edges. During our 2 1/2 hours we saw 10 turtles + 2-3 heads at the surface in the distance.

Saw in ^{selected areas} 2, 2, 1, 3, 2. 5 or more of these were in holes, under ledges, or swimming out from one way back in a hole between coral heads. Most were small with silty backs that moved out quick. Silt on backs is undoubtedly from sleeping regularly on sand/silt bottom. Larger turtles seemed to have less silt. Typical place where

AND
CHURN UP
QUICKLY
WITH
WAVES!

ROLL

ROLL

4-23-85
TUES.

turtles were seen was in deeper channels, with sand bottom, out closer to the wave-break where channel ended in coral wall providing a barrier against incoming waves. Turtles never seen when surge manifested on bottom by moving particles of substrate.

AND
CHURN UP
QUICKLY
WITH
WAVES!

Lots of silt-particles in the water, but seems to settle out quickly in still water. Little wind apparent until ~ 11, or 12 noon. More sleeping areas might be expected outside wave-break: outer face of reef.

Very little algae fleshy seen, except very silty Limb both around where net was moved to.

~ 3:30pm Bill drove us to side road near dump where he had previously found several gutted out turtles. Head, carapace and plastrons present - all and dried - same area as before. Head & plastron bone saved.

- Ate dinner at Hop Inn.

NOTES ON PHOTOS

ROLL 1 - (Partial already exposed) 4-23 turtles from net; 4-24 some taken with 21mm lens not coupled properly - overexposure?

ROLL 2 - 36 exp. purchased in KK; 4/25 - picking up net; 2 made; 3

24 APRIL 85 UP - 5am; ate breakfast serial
 WEDNESD in the room; Bill picked up us
 at 6am - bought coffee & donuts at
 bakery. Departed dock at - 6:30am.
 At Jet at 7:30am - had to pole over
 quite an area between harbor and net
 site to the west. Saw a small shark,
 black-tip, belying along on mud flat.
 As we approached net, only 2 heads
 were seen - even ^{once} inside "bag" the water
 was clear, bottom could be easily seen
 and no turtles were visible, except 2
 or 3. Turtles must have been up against
 net where it balloons for 3'-4' water
 depth, 12' width of net.
 Turtles put in boat and photographed.
 Bill took one of us sitting at the stern.
 22 turtles + 1 ^{small} 11dm that swam
 in while they were straightening pieces.

Bill got
 us out
 of the
 harbor

Following data collection on turtles, Robert
 and I swam in shore along the
 guide to the shallow mud (first across
 a deeper channel green area) and walked
 a ways. Saw some Acanthopora;
Padina and sparse patches of
Halophila. Sampled several
 kinds, including one that looked like
Laurencia. In the very shallow
 mud flat, we found Caulerpa serrulata → (Cont)

Recap
 7/5/89

23 TURTLES IN NET 4/23-4/24/88 45
(NO RECAPTURES)

NOTED THAT MANY SEEMED TO HAVE APPEARANCE OF
SOME EMACIATION - SUNKEN - IN PELVIC AREA. LOW FAT?

1 - 7904-RF 7905-LF 7906-RRF
SC - 74.0 X 58.0 N - 73.9
H - 10.6 PFF - 11.4 T - 17.0
P - 58.9 CC - 79.0 X 72.8

Recap
7/5/89

2 - 7908-RF 7909-LF 7907-RRF
SC - 56.7 X 45.0 N - 56.1
H - 9.0 ^{61.3} RRF - 9.2 T - 12.0
P - 45.8 CC - 60.8 X 55.5
^{65.5}

→ (Cont. p 57)

4/24/85
WEDNESDAY

3 7910-RF 7911-LF 7912-RRF
 SC-61.9 X 49.1 N-61.2
 H-9.7 RFF-10.2 T-12.5
 P-49.6 CC-66.4 X 59.0

4 7913-RF 7914-LF
 SC-47.4 X 38.7 N-47.2
 H-7.5 RFF-8.2 T-10.5
 P-39.4 CC-50.7 X 45.8

4/24/85

47

5 7915 - RF 7916 - LF
SC - 45.6 X 37.8 N - 45.1
H - 8.9 RFF - 7.9 T - 9.0
P - 37.6 CC - 48.5 X 45.0

6 7917 - RF 7918 - LF
SC - 57.2 X 46.7 N - 56.7
H - 8.9 RFF - 9.7 T - 10.5
P - 46.7 CC - 60.6 X 55.3

7/17/85
rec'd
at
Palau

48

Put in pile in Boat
3 more Turtles after Photos

4/24/85

7919 - RF

7920 - LF

7- SC - 45.5 x 35.8

N - 45.1

H - 7.6

RRF - 7.9

T - 9.0

P - 35.9

CC - 48.5 x 43.5

Platy

7-18-85
Recal
Polson

8 - 7921 - RF

7922 - LF

7923 - RRF

SC - 71.0 x 56.3

N - 70.6

H - 10.5

RRF - 12.3

T - 14.5

P - 56.2

CC - 78.0 x 71.3

3/24/85 49
WEDNESDAY

9 7924-RF 7925-LF
SC-48.0 X 37.3 N 47.6
H-7.7 RFF-8.1 T-ND
P-ND CC-50.5 X 44.3

10 7876-RF 7877-LF 7878-RFF
SC-66.4 X 53.7 N-66.2
H-9.5 RFF-10.4 T-16.0
P-53.3 CC-70.5 X 63.5

50 4/24/85

11- 7879-RRF 7880-RF 7881-LF
SC - ~~48.9~~ X 59.4 X 46.0 N - NN
H - 9.1 RFF - 10.4 T - 11.5
P - 48.9 CC - 63.5 X 56.0

12- 7882-RF 7883-LF
SC - 48.8 X 37.5 N - 48.5
H - 7.8 RFF - 8.5 T - 8.0
P - 40.2 CC - 52.6 X 46.2

Scar on Carapace 1 & 2 lat left
indentation - caved in but healed.

4/24/85 51

WEDNESDAY

13 7884 - LF 7885 - RF 7886 - RHF
SC - 70.6 x 54.5 N - 69.9
H - 9.9 RFF - 11.4 T - 14.5
P - 57.5 CC - 76.5 x 68.0

14 7887 - RRF 7888 - RF 7889 - LF
SC - 60.0 x 49.3 N - 59.9
H - 9.2 RFF - 10.9 T - 11.0
P - 49.0 CC - 64.5 x 58.0

52 4/24/85

15 7890 - RF 7891 - LF 7892 - RHF

SC - 65.8 x 51.3 N - 65.7

H - 9.2 RFF - 10.4 T - 15.0

P - 52.2 CC - 71.0 x 61.0

Piece missing on flipper (1/2 moon)
where tag should be

Scars(?) on neck, smooth (ventral)

16 7893 - RF 7894 - LF

SC - 51.5 x 39.4 N - 51.1

H - 8.4 RFF - 9.0 T - 10.0

P - 41.4 CC - 55.5 x 48.5

(5 laterals on left > abnormality
6 centrals)

Recap
2-18-85
Palmer

4/24/85 53

WED

17 7895-RHF 7896-RF 7897-LF
SC-63.8 X 50.0 N-63.5
H-9.6 RFF-10.3 T-13.0
P-51.3 CC-68.0 X 61.5
Skin Barnacles

18 7898-RHF 7899-RF 7900-LF
SC-69.8 X 57.0 N-69.5
H-10.7 RFF-12.3 T-12.5
P-58.8 CC-75.0 X 69.0

54 4/24/85

— photo putting TURTLE IN BOAT

Dartagnon Bicoy

ED's nephew "DART" - FEED Bicoy's son

19 8569-LF 8570-RF 8571-RHF

SC-63.9 X 49.8 N-63.7

H-10.0 RFF-10.9 T-14.0

P-52.3 CC-68.7 X 62.0

— Smooth scaly area on ventral neck.

— Amphipod

20 8572-RHF 8573-LF 8574-RF

SC-74.0 X 58.8 N-73.5

H-10.6 RFF-13.6 T-17.5

P-59.5 CC-78.5 X 68.5

4/24/85
WED

55

x
21 8575-RF 8576-LF
SC - 47.0 X 39.9 N - 46.6
H - 7.9 RFF - 8.1 T - 8.0
P - 39.0 CC - 50.0 X 47.0

22 8577-RF 8578-LF 8579-RHF
SC - 61.7 X 48.7 N - 61.6
H - 8.8 RFF - 9.8 T - 12.5
P - 49.0 CC - 66.2 X 60.0

56

4/24/85

WEDNESDAY

This Turtle

Reported to have swam into bag
about 11am, while Robert and I
were inshore snorkeling.

#23 - TAGS - 8580 RFL; 8581 LFL

S - 39.9 x 34.6

NOTCH 39.2

HEAD - 6.1

PLASTRON - 32.6

RFF - 6.9

TAIL - NT

Sample No. 8580Amansia glomerata

Mouth opened to look for particles of
food. Previously tried with several
others. Only stains seen.

Does the above again support the idea
that small turtles feed later in the
morning after sunrise, perhaps to avoid
larger turtles?

Attempts made to get stomach sample
with aquarium air tubing and orally
blowing in diet soda. Two red leaves
obtained and saved.

sent to
Jennis
Russell

Bill had pieces of brown algae, which
he said the turtles eat, based on
his past experience. Samples retained
* for ID.

(Continued from p. 44)

24 APRIL 85 growing ~~emersed~~ in mud. Bright
 WEDNESDAY green sand very noticeable in places.
 After ~ 30 minutes we returned to
 boat for departure. Net left at the
 same site. Ate lunch of Papi soaked
 in hot shoyu sauce Bill had brought along.

Arrived back at the dock ~ 12:30 pm.

Ed says that ^{there} are larger turtles at
 the east end - outside -
 Kawalo Wharf
 Kawela

KOLAPA PLACE
 HAWAII 96748
 ARTHUR PUA & ASSOCIATES
 SAID THIS TOO, WHEN ASKED WHERE
 LARGE TURTLES OCCUR,

(SAME NET SITE AS PREVIOUS DAY)
 25 APRIL 85 UP 5am - Bill picked us up at
 THURSDAY 5:30am and we met Ed, Dart and new man
 John at the bakery for coffee & donuts.
 Departed dock ~ 6:45am - again good
 morning weather - calm seas, clear sky.
 Ed works with John when he goes to
 other islands - painting?
 Upon arrival at net log, Robert spotted
 a large black shape - originally thought

4-25-85
THURSDAY

to be a shark, later found to be a ray - 3-4' wing span. Spent a lot of time banging sticking and spearing ray - carefully moving bag inward. Very little fish in net, less than a cooler. Turtles loaded on boat and net picked up. Approx. 10 small slipper (some spiny) lobsters found caught in guide and wings. Lobster net is suppose to be 4" ^{stretch} this net is 2 3/4" nylon; Bag is 2" nylon. ^(KNOT TO KNOT) Ed said netting was purchased in Kentucky - #14 16.

Proceeded to "Reef House" where turtles were unloaded. Shallow hot water all around it, except channel from the back (shore) side. Boat left to set net at "23 turtle" site ^{on} east side of the harbor, reported to be 12' deep - clear water - good for catching both fish & turtles. I took photo of turtles laying on sand bar - house in the background. Lots of Halophila growing in shallow hot water substrate. Pulled alga (Hypnea or Spyridia) off post of house. Lots of this alga noted in places along Palau.

Boat returned ~ 12:30 pm. From 10:40 to 1:20 pm Robert & I collected data, took 10 blood samples, and flushed food from 3 of the smaller turtles. All put on ice.

(cont. P. 67)