

BALAZS

MOLOKAI

MOLOKAI 3

1985-1987

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

9476 - 9550 (75)
9393 - 9400 (8)

TOTAL = 83

Sent to Bill on 7/24/85
PULELOA

BALAZS

Bill Puleloa
Box 248
KUALAPUU, MOLOKAI 96757



COMPOSITION BOOK • 9 3/4 IN. x 7 1/2 IN.

AVAILABLE AS:

| VM COMPUTER NO. | B&P STOCK NO. | SHEETS | RULING |
|-----------------|---------------|--------|--------------------------------|
| 09-9130 | 13534 | 60 | COLLEGE RULED & MARGIN |
| 09-9132 | 13535 | 60 | COLLEGE RULED & MARGIN & PAGED |
| 09-9134 | - | 100 | COLLEGE RULED & MARGIN |

BOORUM & PEASE CO. ELIZABETH, N.J. 07208

MADE IN U.S.A.

3-4 JUNE 1987 Page 91
BULLPEN w/MEDEIROS - REC

3 JUNE - 10 (1)
4 JUNE - 17 (3)
27

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

ALOHA CLASSIC CAR RENTAL - \$11.50
833-4301

ED
P.O. Box 1216
Kannakatai 96748

tel. 553-5702

BALAZS

NO. TURTLES
HANDLED

| | | | |
|----------------------|-----------------------------|--|--|
| JULY 16, 85 TUES. | 10 | (NO recoveries long-term) | |
| JULY 17 - WED. | 24 | (2 recoveries long-term) 8627, 8628 - 4/25/85 Palau 7917, 7918 - 4/24/85 Palau | (1 short-term from the previous day - painted #7 (8549, 8550)) |
| JULY 18 THURS. | 11 + 1 ^{blue} = 12 | (2 recoveries long-term) 7893, 7894 - 4/24/85 Palau 7921, 22, 23 - 4/24/85 Palau | |
| JULY 19 FRIDAY | 38 + 1 ^{blue} | (1 recovery long-term) 8847, 8848 - Recent by Bill Pollock | AT least 1 blue painted seen in pen - |
| | <u>83</u> | <u>5</u> (6%) | |

CONSIDER ALSO EXACT AREA OF INITIAL TAGGING. PERHAPS ANGLED TO RETURN VERY CLOSE TO TAG SITE.

NEED TO SUBD OFF REEF.

RECOVERY NOTES:

- Seems odd that 4 of the above recoveries would have been originally tagged 4/24/85, 4/25. Feeding for bunts occur in defined groups on a cyclic basis?
- Seems odd that of all the tags Bill has put on in past years, that we catch none of them, but rather ones we tagged ourselves this past April (3 months ago).
- Two painted turtles (#17 & ?) were recaptured in the pen, but both got past cut-off piece and were not caught in hand. After capture, are they better able to keep from getting CAUGHT IN THE NET?

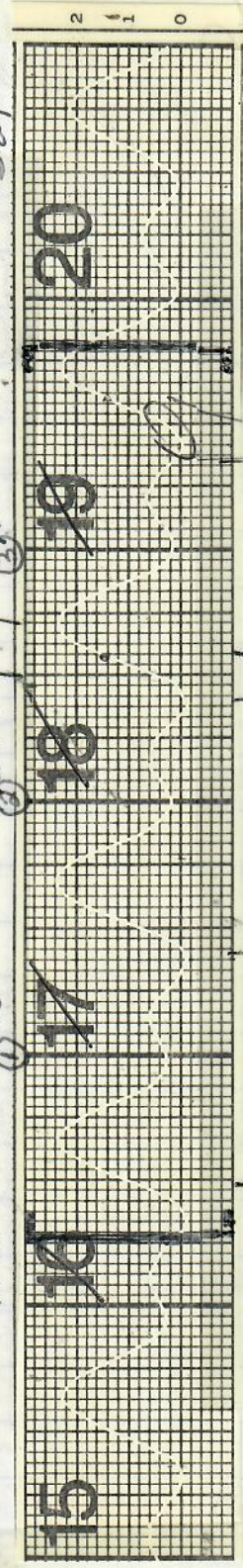
COULD THIS FACTOR ACCOUNT FOR LOW RECAPTURE RATE?

PALAU, MALDEN

JULY 85

JULY 85 PACAPU, MOLOKAI

TUES. ¹ WED ² THURS ³ FRI ⁴ SAT



PICKED UP 10 NET-TURTLES (1 ESCAPE SEEN) out from west end of Pakanaka - all on heads

24 Turtles Directly off eastern end of Pakanaka (2 still in net)

12 Turtles Same site (Painted #17) moved to just west of off-site to close reef

Turtles got at least 6 paint (one seen)



NO MOON AT NIGHT

For tide time at following places, add or subtract from Honolulu time.

| PORTS | Hrs. | Mins. | PORTS | Hrs. | Mins. |
|-----------------------|------|-------|--------------------------|------|-------|
| HANALEI BAY, KAUAI | -1 | 40 | KAUNAKAKAI, MOLOKAI | -0 | 09 |
| NAWILIWILI BAY, KAUAI | -0 | 32 | KAHULUI, MAUI | -1 | 48 |
| PORT ALLEN, KAUAI | -0 | 32 | KIHEI, MAALAEA BAY, MAUI | -0 | 14 |
| HALEIWA, OAHU | -1 | 36 | HILO, HAWAII | -0 | 59 |
| HANAUMA BAY, OAHU | -0 | 55 | HONUAPO, HAWAII | -0 | 24 |
| KANEHOE BAY, OAHU | -1 | 35 | MAHUKONA, HAWAII | -0 | 24 |
| LAIE, OAHU | -1 | 48 | KEALAKEKUA BAY, HAWAII | -0 | 16 |
| WAIANAE, OAHU | -0 | 16 | | | |
| WAIMANALO, OAHU | -1 | 15 | | | |

NOTES: Electroanesthetizer used with
 nearly all turtles worked up
 in the back of the station wagon.
 on 7/17 wed. also used on several
 large turtles in the boat close to
 shore - too heavy to bring in.
 However, problem here is getting
 shocked from on-off switch
 and both handling turtles - salt
 water wet feet, wet turtle, we in
 the bottom of the boat. We had
 this same problem on the wet
 sand bar by the reef house.

16
 TUESDAY



16 July 1985 6:45- with R. FORSYTH
 TUESDAY Departed for Molokai on DC-3
 AIR MOLOKAI #2499 RT

~ 220 lbs baggage. Sat on runway
 for ~ 15 minutes waiting for rain showers
 to let up. Picked up in Molokai
 by Bill Puleloa - saw Walter Ritté
 briefly.

Diane Medeiros had called on Sat.
 saying remaining contract work could
 be done Tues - Friday. 4 mornings of
 → pick up, \$250+ per day.
 They had set the net Monday
 afternoon 7-15. Large south swell
 up. Took boat back to KK.

We drove out Palau road East of
 Met Diane at Petuglyeh site (WAIISHKANG)
 Saw Ed w/boat offshore - very shallow -
 trying to pole in. Drove back to
 dirt road just west of Pakaraka
 fishpond (ILUULO H.). Boat came
 in here reasonably close to shore.
 Found a large Sturtle femur here,
 plus skull and skin - scales of a
 smaller one.

Ed's crew member (a cousin?) Bucky.
 Ed reported that when net was
 set yesterday afternoon the water was
 completely mud-colored. Couldn't see
 where he was putting it (CONT P. 16)

10 7/16/85

TUES.

7/88 56.6cm

7/90 → 62.4

①
TAGS -
↓

S - 49.0 x 38.0
Notch - 48.5

8519 - RF
8520 - LF

C - 53.0 x 45.5

PL - 37.9
HEAD - 7.4
TAIL - NT
RFF - 8.1

#2 Light Blue leucite

②

TAGS
↓

S - 39.7 x 32.5
Notch - 39.4

Recovered
7/9-11/90
Site F
(2140)

8521 - RF
8522 - LF

C - 42.5 x 38.5

PL - 32.3
HEAD - 6.4
TAIL - 6.5
RFF - 7.3

#1 leucite

③

TAGS

↓

8523-LF

8524-RF

S - 44.3 x 35.4

Notch - 44.0

C - 46.5 x 41.5

PL - 35.4

HEAD - 7.3

TAIL - 7.0

RFF - 7.5

#3 leucite

④

TAGS

↓

8525-LF

8526-RF

S - ^{55.7}44.7 x 36.2

Notch - 44.4

C ^{60.5}48.5 x 43.0

PL - 35.0

HEAD - 7.2

TAIL - 6.5

RFF - 7.5

#4 leucite

A few large skin Barnacles on neck

Recap.
7/6/89

7/88 56.1

⑤

TAGS

↓

8527-LF

8528-RF

S - 48.8 X 38.3

NOTCH - 48.4

C - 52.0 X 44.5

PL - 38.6

HEAD - 7.9

TAIL - NT

RFF - 8.1

#5 leucite

One Large Turtle Barnacle removed from
Plastron

⑥

TAGS

↓

8529-LF

8530-RF

S - 46.5 X 38.8

NOTCH - 46.2

C - 49.5 X 46.0

PL - 37.6

HEAD - 7.8

TAIL - 9.0

RFF - 8.3

#6 leucite

⑦

7/88 69.0

TAGS

S - 58.7 X 44.0

↓

Notch - 58.5

8531-LF

8532-RF

C - 63.0 X 52.5

PL - 46.8

HEAD - 9.0

TAIL - 12.0

REF - 10.8

#7

Leucite - Serum for sep also obtained

⑧

TAGS

S - 65.1 X No width Taken

↓

Notch 64.6

8533-LF

8534-RF

C - 69.0 X NWT

PL - 52.8

HEAD - 9.6

TAIL - 16.0

REF - 11.0

#8 leucite



Large indentation

(Apparently no blood
obtained)

(9)

TAGS S - 62.0 X 48.3

↓ NOTCH - 61.6

8535 - RF

8536 - LF C - 66.5 X 59.0

PL - 48.9

HEAD - 9.1

TAIL - 14.5

RFF - 10.6

10 leucite

(apparently no blood obtained)

(10)

TAGS S - 54.7 X 42.0

↓ Notch - 54.7

8537 - LF

8538 - RF C - 58.0 X 50.0

PL - 45.4

HEAD - 8.7

TAIL - 13.0

RFF - 6.6

9 leucite

(serum for sex also obtained)

Why no limit on length of gill nets, but on bag (Bull-ken) nets?

16 JULY 85

WED.
TUES.

so it accidentally ended up over coral heads - bag set in "region of coral heads" that did not have a clear sand/mud area. Bag is always set in this zone. Ed reports "no turtles" - nothing in bag.

We waited for Shade to come up some, then walked out to boat over soft mud and Halophila mounds.

At ~ waist deep, zone of coral heads started. Pulled up guide of net as we went out. Lots of coral gets broken when caught like this! Weke "gilled" in guide, plus 1 small hammerhead and 1 small gray(?) shark. Whole bites seen out of some Weke. AT "bag" I swam over into it - saw and grabbed 1 small turtle. Buckey grabbed another.

No others I seen at first. But eventually when more people got into the water, the turtles bunched up along the seaward, more easterly side - presumably due to rise of tide causing effect of south swell to be felt.

Lots of coral heads in bag. I took the time to note that by far the most are coralline algae heads.

Simple count needed =

zone of heads

16 JULY

WED.
TUES.

200 of heads



16 JULY 85 10⁺ Turtles total captured from
 WED. bag (it was not "logged" - seized, as
 TUES. no fish to speak of, plus lots of
 coral heads in the way). An 11th
 turtle escaped as we were picking
 up the net. Turtles seem very
 small, after working with and handling
 adults at the Maui power plant. Need
 mean \pm SD of bull-perred
 turtles. Moved net to the east,
 just past and outside of Pabauka
 Ford. Recognized slope of coastline
 from previous dive/snorkeling trips along
 here - plus color xerox.

Brought all turtles in to the
 campsite and drew blood samples w/o
 Electro. 8 for population differentiation,
 + 2 of these for sex. 2 others - no
 blood could be obtained after several
 tries (larger ones seem harder).
 Left with Bill ^{+ Mickey} for town. took
 whole blood to Ag office freezer.

Bill dropped me off at Pan Hana
 Inn where I rented an Avis Sentra
 wagon for \$17.95. Picked up water and
 returned to camp ~ 4pm. Noted
 that "white crystal" flats were
 now partial "lakes" of sea water
 due to high tide. This is quite
 aways inland - must be like

18

16 JULY 85
TUES

"quick sand" at low tide.
At camp, we tagged and measured all turtles using the electroanesthesia. Noted extreme vibration - quivers of animals when hooked-up. only low current used. Don't recall this happening before. All turtles seemed actively healthy upon release after entering the water. Stomach ^{& weight} samples not obtained because of length of time turtles have been out, very headache, little sleep last night, and dust-dirt all over turtles from nature of campsite. noted that the smaller turtles were very active - difficult; much less so than the larger ones. Diane noted that small turtles they catch have "almost white belly" no slimy growth on body - clean. These have just "come in".

Bad headache, so went to bed ~ 7pm, rain & lightning during the night, but no wind. Slept until ~ 7:30am when rain stopped.

Buckey & new crew member came ~ 9:30am
Ed & Diane came by small boat ~ 10am - out to net ~ 10:30am

17
WED

17 JULY 85

WEDNESDAY Road muddy by salt flats

Found 22 turtles in net, + 2 left, plus 2 others escaped.
 ~5' black tip also in net (taken to eat)
 + ~5' white - still in.

Seawater = 28.3°C

Some lobsters in guide - taken like yesterday.

Processed turtles all day - Ed brought boat up close to camp - we moved it out to anchor when finished at ~7:30pm

Seawater in hip-deep at 5pm - 31°C.

Coral chip bottom sample taken inside pen - area is about 4' deep -

Some small coralling algae beads inside. Noted Halophila growing inside on this substrate.

When walking out from campsite, algae (Syrizid) ^{MOSTLY ANATHEPORA} seen to grow on hard coral bottom where it can attach to. Also, a "wooly" alga. Lots of both washed on shore in mounds. Halophila occurs on mounds of soft sand/mud.

Smaller turtles transferred from boat to back of station wagon for all work-up. "Douché" bag used for stomach flushing.

①

7-17-85 21
WED

TAGS

S - 38.8 x 32.9

8539-RF notch 38.1

8540-LF

#11 Lexile

C - 40.5 x 36.5

PL - 31.3

HEAD - 6.0

TAIL - 6.8

RFF - 7.1

WEIGHT - 16# (7.3 kg)

RSA, PB on N&P (both)

Stomach - Yes

Blood - No (tried)
^{But}

#8539 Molokai, stomach

| | |
|-------------------------------|-------|
| <u>Acanthophora spicifera</u> | 40% |
| <u>Hypnea nidifica</u> | 40 |
| <u>Amansia glomerata</u> | 20 |
| <u>Halimeda discoidea</u> | Trace |
| <u>Polysiphonia sp.</u> | Trace |
| <u>Spyridia filamentosa</u> | Trace |
| <u>Hypneocolax stellaris</u> | Trace |

②

TAGS

S - 38.8 x 32.8

8541-LF notch - 38.2

8542-RF

#12

C - 41.5 x 38.5

PL - 29.9

HEAD - 6.1

TAIL - 6.0

RFF - 6.6

WEIGHT - 19# (8.6 kg)

R,GP (Red & Green Algae, Plastron)

GS (Green Algae Skin)

No PB

Stomach - Yes

Blood - No (tried)

#8541 Molokai, stomach

| | |
|-------------------------------|-------|
| <u>Hypnea cervicornis</u> | 50% |
| <u>Acanthophora spicifera</u> | 40 |
| <u>Halophila ovalis</u> | 10 |
| <u>Laurencia sp.</u> | Trace |
| <u>Amansia glomerata</u> | Trace |

22

(3)

4/25/85 PACAAW

17 JULY 85

WED.

Recapture

to 29-85
kawaia by Huleloa
confusion!

TAGS

S - 55.3 41.3
55.8 x 41.4

5mm increase in
3 months = 2.0 cm/yr

notch - 55.8

8627-RF

8628-LF

C - 59.0 50.8
59.5 x 51

pink
cavellii
greenish
on togs

#13

PL - 43.5 43.6

HEAD - 8.5 8.7

TAIL - 9.0 10.0

RFF - 9.5 9.2 (25 kg)

WEIGHT - 55# (Thick) Stomach - yes

Green Skin Algae Plastron, ~~NEP~~ Blood - yes 1 tube

Red on Pelvis Red Hair #8628 Molokai, stomach

TAGS -

7/88 59.6

(4)

S - 51.8 x 41.3

| | |
|-------------------------------|-------|
| <u>Acanthophora spicifera</u> | 99% |
| <u>Hypnea cervicornis</u> | 1 |
| <u>Centroceros clavulatum</u> | Trace |
| <u>Polysiphonia sp.</u> | Trace |
| <u>Gelidiella sp. (?)</u> | Trace |
| <u>Terrestrial grass</u> | Trace |

8543-LF notch - 51.6

8544-RF

#14

C - 56.0 x 49.5

#8543 Molokai

left tag

torn out PL - 41.7

& reapplied HEAD - 8.0

on left TAIL - 8.5

3rd & 4th RFF - 9.1

WEIGHT - 43# (19.5 kg)

Green & Red Algae on Plastron Stomach - yes

Green on Neck Blood - 2 VIALS

Green & Red on Pelvis

Few PB on Pelvis

| | |
|-------------------------------|-------|
| <u>Halophila ovalis</u> | 50% |
| <u>Spyridia filamentosa</u> | 30 |
| <u>Acanthophora spicifera</u> | Trace |
| <u>Lyngbya sp.</u> | |

WED.

⑤

TAGS

S - 52.2 x 40.7

8545-LF notch - 52.1

8546-RF

#15

C - 56.0 x 48.5

PL - 41.1

#8545 Molokai, shell scraping

HEAD - 8.2

Sphacelaria tribuloides

80%

TAIL - 8.5

Polysiphonia scropulorum

10

RFF - 9.1

Lyngbya semiplena

10

WEIGHT - 48# (20.9 g)

Red Neck & Pelvis

STOMACH - Yes

Flushed Nothing Saved

Red & Green Plastron

BLOOD - None (tried)

No PB

Patch of Algae on 2nd Central left (Sample taken)

⑥

TAGS

S - 53.6 x 41.6

#8547 Molokai ✓

8547-LF

Notch - 53.2

8548-RF

#16

C - 58.5 x 51.5

Amansia glomerata

95%

Gelidium sp.

5

Halophila ovalis

Trace

Ceramium sp.

Trace

Acrochaetium sp.

Trace

Sphacelaria sp.

Trace

Amphipods (3)

PL - 43.9

HEAD - 8.7

TAIL - 9.5

RFF - 9.2

WEIGHT - 49# (22.3 g)

Stomach - Yes

Blood - yes 1/2 vial

Red skin Algae Neck & Pelvis

Green & Red on Plastron

2 or 3 SB neck & pelvis

17 JULY 85
WED.

⑦

TAGS S 52.1 x 39.4
Notch 52.0

8549-LF

8550-RF C 55.5 x 47.5

#17

Recaptured
in pen
(7-19-85) the
following day -
Same location

PL - 43.3

HEAD - 8.2

TAIL - 9.0

RFF - 8.7 scale deformity

WEIGHT - 43# (19.5 kg)

Red on Neck & Pelvis

Red & Green on Plastron

~~Answer~~ → slipped over cut-off piece, so we never actually got
OUR HANDS ON IT.

#8549 Molokai, stomach

| | |
|-------------------------------|-------|
| <u>Acanthophora spicifera</u> | 95% |
| <u>Halophila ovalis</u> | 2 |
| <u>Amansia glomerata</u> | 2 |
| <u>Hypnea cervicornis</u> | 2 |
| <u>Ceramium sp.</u> | Trace |

STOMACH - Yes

BLOOD - 1 vial

⑧

TAGS S - 52.9 x 40.3
Notch - 52.8

7792-LF

7793-RF C - 55.5 x 47.0

#18

PL - 42.4

HEAD - 8.3

TAIL - 11.5

RFF - 9.1

WEIGHT - Not taken

Green & Red Algae on Plastron

Red on Neck & Pelvis

Brownish-yellow Larapace

No PB's

Recovery
7/9-11/90
Site F

STOMACH - No

BLOOD - 1 vial

WED.

(9)

TAGS S - 47.4 x 38.6

Notch - 47.1

7794-LF

7795-RF C - 50.0 x 44.5

Paint Marks

PL - 38.8

HEAD - 7.3

TAIL - 8.0

RFF - NT

WEIGHT - Not taken

No PB's

Red & Green on Plastron (red on und. side of marginals)

Amp on neck, pink coralline car. Scummy

Red & Green on neck & pelvis

STOMACH - No

BLOOD -

(10)

TAGS

S - ^{57.2}57.4 x ^{46.7}47.0Notch - ^{56.9}56.9 ^{56.7}56.7C - ^{60.6}61.0 x ^{55.3}55.0

Palau orig. Tagged

#7917 Molokai ✓

0.2 cm (2mm) increase
in 3 months = 8mm year

7917-RF

7918-LF

PL - 47.0 46.7

HEAD - 9.1 8.9

TAIL - 9.5 10.5

RFF - 9.8 9.7

WEIGHT - NT

Red Algae Neck & Pelvis

Pink Coralline on tag --- 1 PB on Neck

Tip RF Flipper busted off & healed

Red & Green + PC on Plastron

Algal mat in seams of plates (canapau) (sample taken)

| | |
|------------------------------|-------|
| <i>Sphacelaria furcigera</i> | 50% |
| <i>Polysiphonia tsudana</i> | 20 |
| <i>Polysiphonia setacea</i> | 20 |
| <i>Pilinia rimosa</i> | 10 |
| <i>Calothrix</i> sp. | Trace |

Roundworms

STOMACH ~~NO~~ ^{NO}
BLOOD - 1 tube ^{NO}Stripe
Painted

17 July 85

WED.

(11)

TAGS S- 57.9 x 45.3
Notch - 57.3

7796-LF

7797-RF

Painted

C- 62.0 - 54.5

PL - 46.1

HEAD - 8.7

TAIL - Not Taken

RFF - 9.4

BLOOD - 1 Vial

Red & Green on Plastron

Red & Green on Neck & Pelvis

R Hind flipper area missing where tag goes

(12)

TAGS S- 62.9 x 47.0
Notch - 62.5

7798-RF

7799-LF C- 68.5 x 56.0

7800-RH

Painted

PL - 51.3

HEAD - 9.5

TAIL - 12.0

RFF - 10.5

BLOOD - 1 Vial

Red on Neck & Plastron

Red & Green on Plastron

No PB

Weight 70# (31.8 kg)

17 JULY 85

27

WED.

(13)

TAGS C - 59.4 x 45.9
Notch - 59.1

7748-LF

7801-RF C - 63.0 x 55.0

PL - 47.5

HEAD - 9.0

TAIL - 11.0

RFF - 9.8

Blood - 1 Vial

Green & Red on Plastron, Neck & Pelvis

No PB

(14)

TAGS C - ~~44.3~~ x 55.6 x 44.8
Notch - 55.2

7802-LF

7803-RF C - 59.0 x 52.5

PL - 44.3

HEAD - 8.4

TAIL - 12.5

RFF - 9.5

Blood - 1 vial

Green on Plastron

Red & Green on Neck & Pelvis

No PB's

(Patyloepas barnacles)

28 17 JULY 85

WED:

(15)

TAGS C - 52.8 X 41.1
Notch - 52.6

7804-LF

7805-RF C - ~~47~~ 56.5 X 49.0

PL - 43.9

HEAD - 8.6

TAIL - 9.0

RRF - 8.8

Blood - 1 vial

REPEAT FOR THE FOLLOWING

Green & Red Algae on Plastron, Neck & Pelvis

No PB

Green & Red on undersides of Flippers

HEREAFTER WE MOVED OUT TO THE BOAT INSTEAD OF BRINGING TURTLES TO THE STATION WAGON

(16)

TAGS S - 75.9 X 56.9

7806-RF Notch - 75.4

7807-LF

C - 80.5 X 74.0

PL - NT

HEAD -

TAIL - short NT

RRF -

Red on Neck

Short Tail

Blood - No - Attempted
w/o ELECT. in boat
on deck - neck
pulled in tight.

17 JULY 85
WED.

29

(17)

TAGS S - 73.3 x 59.2
Notch - 73.3

7808-LF

7809-RF C 79.0 x 71.5

PL NT

HEAD - 10.8

TAIL - Short

RFF NT

Blood - No - Attempted Beat

5th Scale on right Flipper missing

Slit between 1st & 2nd on right Flipper

(18)

TAGS S - 70.8 x 57.4
Notch - 70.4

7810-LF

7811-RF C 76.0 x 70.0

PL NT

HEAD - 10.2

TAIL Short

RFF - 12.0

Blood - No; Attempted in
beat

30

17 July 85

WED.

(19)

TAGS S - 64.6 x 50.3

Notch 64.2

7812-LF

7813-RF C 69.5 x 60.5

7814-L 3rd & 4th

PL NT

HEAD 10.3

TAIL short

RFF - 11.4

Blood - Yes

USED Electro on FRONT FLIPPERS,
AND PUT TURTLE UP ON RAILCAP.

(20)

TAGS S - 66.3 x 54.1

Notch - 66.3

7815-LF

7816-RF C - 72.0 x 65.5

PL - NT

HEAD - 9.9

TAIL - short

RFF - 10.9

Blood - Yes

Odd Scale pattern on head

17 JULY 85 31
WED

(21)

TAGS S - 70.3 x 59.4
Notch - 70.0

7817-LF

7818-RF C - 75.5 x 69.5

PL NT

HEAD - 10.0

TAIL short

RFF - 10.2

Blood - Yes

Shark Scratches on left carapace 1-3 central

" " " right " 1-2 central

NO INJURIES SEEN ON PLASTRON

(22)

TAGS S - 63.7 x 48.0
Notch - 63.4

7819-LF

7820-RF C - 68.0 x 58.5

PL NT

HEAD - 9.2

TAIL short

RFF - 10.4

BLOOD - yes

Spearhole 2nd Central ~~XXX~~

17 JULY 85
WEB.

(23)

TAGS

S - 69.7 X 53.7
Notch - 69.4

7821-RF

7822-LF

C - 76.0 X 68.0

PL NT

HEAD - 10.6

TAIL - short

RFF - 11.1

Blood - Yes

Stomach - no

(24)

TAGS

S - 65.5 X 52.2
Notch - 65.0

7823-RF

7824-LF

C - 70.0 X 61.0

PL - NT

HEAD - 9.7

TAIL - short

RFF - 10.8

(Turtle Blood - No
Accidentally thrown over
Stomach - NO

18 JULY 85

THURSDAY

Up ~ 6:30 AM -

Pipetted blood samples for serum.
 3 hadn't settled of the 18 tubes.
 Ed and Daniel visited last night
 in a jeep. Both recalled how
 Grandpa Bicoy had butchered many
 turtles at the reef house. (Clock
 numbers & sizes listed in commercial
 catch records). When asked about
 sizes, both said - "big 300-400 lbs".

~ 9 am Ed & Diare, Keolu Kalama & Terrence
 (Daniel's son) drove in; A short time
 later, crewmembers Gonzo &
 walked out, but tide too low -
 can't move boat. I walked over
 to western end of bare mangroves of
 Akaraka Ford to explore. Shoots are
 bare - nothing growing on them to eat for
 turtles. Found rib bones and
 scutes of med. sized turtle washed
 into mangroves. One lateral scute had
 a large hole through it - like a
 harpoon hole (saved). Also picked up
Porolithon piece of coralline algae to save.
 out to net (same site as yesterday)
 at ~ 10 am - pulled up guide first,
 as net to be moved. Photos pulling up.
 Several large lobsters in net in guide.

18 JULY 85

THURSDAY

while swimming inside
white-tip sharks 4-5' and
within a few inches of me twice.
Never bugged. However a
black-tip was bugged - taken for food.

I swam all around outer edge of pen - found 2 turtles up under balloon of log net, laying there. Saw 2 what appeared to be 4-5' sharks. Pen net gradually moved inward and more turtles captured by hand. 11 total and 2 other, I painted 17 from yesterday, escaped "cut-off piece" when bogging. Two of the 11 should have been ones we couldn't get yesterday. Net all picked up. Tried to drop us off with turtles at noon, but tide too low to get ashore. So we stayed with the boat to new net-setting site, to the west of offshore campsite. Closer to the reef - not as muddy bottom. Larger breakers on the reef was here. Starting yesterday, south swell was down quite a bit.

Side note:

(7829 blood, didn't separate in vial)

Returned to shore with all turtles - 2 pm. Ed, Diane, etc. drove off - left boat with us again close to shore. All of the following turtles worked up in the back of the station wagon. Finished about 7 pm - motor boat out to anchor.

①
TAGS

7825-LF

7826-RF

"Smear" - P
Leucite on
all
turtles
(except one)

②
TAGS

7827-LF

7828-RF

18 July 85
Thursday

35

① 7/88 - 46.9

TAGS S - 39.6 X 33.2
Notch - 39.1

#7825 Molokai, stomach

7825-LF

| | |
|-------------------------------|-------|
| <u>Halophila ovalis</u> | 75% |
| <u>Amansia glomerata</u> | 25 |
| <u>Dictyota acuteloba</u> | Trace |
| <u>Gelidium sp.</u> | Trace |
| <u>Acanthophora spicifera</u> | Trace |

7826-RF C - 41.5 X 38.0

"Smear" - paint

Leucite on PL - 32.0

all turtles HEAD - 6.6

(except one) TAIL - 6.5

RFF - 7.1

BLOOD - 1 VIAC

WEIGHT - 19# (8.6kg)

STOMACH - yes

PB's on underside skin of PC's

White PC on Carapace & White Scum on Carapace

Green Algae on Plastron, neck & Pelvis

②

TAGS S - 53.0 X 40.7

Notch - 52.8

#7828 Molokai, stomach ✓

7827-LF

| | |
|---------------------------------|-------|
| <u>Chondrococcus hornemanni</u> | 90% |
| <u>Amansia glomerata</u> | Trace |
| <u>Acanthophora spicifera</u> | Trace |

7828-RF C - 56.5 X 47.0

Amphipod (1)

PL - 42.7

HEAD - 8.5

TAIL - 9.5

RFF - 8.8

BLOOD - NO - tried

WEIGHT - 46# (20.9kg)

STOMACH - yes

Red Algae on Skin Neck

Amphipods on neck & in throat

36

18 JULY 85
THURSDAY

③

RECAPTURE

ORIG. TAGGED BY US

4/24/85 Palau

TAGS

S - 51.5 x 39.4

Notch - 51.5 51.1

4mm increase in 3 months
1.6 cm/year

7893-RF

7894-LF

C - 56.0 x 49.0

PL - 41.9 41.4

HEAD - 8.7 8.4

TAIL - 9.5 10.0

RFF - 9.0 9.0

WEIGHT - 43# (19.5 kg) BLOOD - 2 vials

Edges of scutes upturned STOMACH - Yes

#7893 Molokai, stomach

| | |
|-------------------------------|-------|
| <i>Spyridia filamentosa</i> | 40% |
| <i>Acanthophora spicifera</i> | 20 |
| <i>Laurencia nidifica</i> | 20 |
| <i>Hypnea cervicornis</i> | 20 |
| <i>Centroceros clavulatum</i> | Trace |
| <i>Sargassum polyphyllum</i> | Trace |
| <i>Dictyota</i> sp. | Trace |

Amphipods (3)
Small snails

④

TAGS

S - 50.2 x 39.1

7842-LF

Notch - 50.0

7843-RF

C - 53.5 x 46.5

PL - Not Taken

HEAD - 7.8

TAIL - Not taken

RFF - 8.3

WEIGHT - NT

BLOOD - Not Taken

STOMACH - Not Taken

Partly comatose after time in boat. - Laying
under large turtle - neck possibly twisted to one side blocking
trachea.5 lateral on right, (5th divided in two)Large U shape notch between 10th & 11th marginal (R?)Very weak but always showed signs of life. Couldn't get tube
into trachea in 2-3 tries, but breathing seen so gave up. Left on the
ground in the shade with my wet sponges. 1/2 hours rest total.Looked good upon
release.

⑤

TAGS

7829-LF

7830-R

⑥

TAGS

7831-L

7832-R

18 July 85
THURSDAY

37

⑤

TAGS S - 46.7 X 37.0
Notch - 46.4

7829-LF

7830-RF C - 50.0 X 42.5

PL - 36.5

HEAD - 7.2

TAIL - 9.5

RFF - 7.9

WEIGHT - 31# (14.1 kg)

BLOOD - 1/2 Vial
STOMACH - Yes

#7829 Molokai, stomach

| | |
|-------------------------------|-------|
| <u>Acanthophora spicifera</u> | 75% |
| <u>Spyridia filamentosa</u> | 25 |
| <u>Dictyota divaricata</u> | Trace |
| <u>Laurencia nidifica</u> | Trace |
| <u>Ceramium sp.</u> | Trace |
| <u>Polysiphonia sp.</u> | Trace |
| <u>Sphacelaria sp.</u> | Trace |

Amphipod (1)

⑥

TAGS S - 49.3 X 40.3
Notch - 49.0

7831-RF

7832-RF C - 52.5 X 49.5

PL - 39.7

HEAD - 7.9

TAIL - 11.0 - skinny tail

RFF - 9.1

WEIGHT - 43# (19.5 kg)

BLOOD - No - tried
STOMACH - Yes

#7831 Molokai, stomach

| | |
|--------------------------------|-------|
| <u>Amansia glomerata</u> | 75% |
| <u>Acanthophora spicifera</u> | 25 |
| <u>Laurencia nidifica</u> | Trace |
| <u>Dictyota divaricata</u> | Trace |
| <u>Sphacelaria tribuloides</u> | Trace |
| <u>Polysiphonia sp.</u> | Trace |
| <u>Hypnea cervicornis</u> | Trace |

38

(7)

RECAPTURE - orig. tagged
4/24/85 loan by us

18 JULY 85

THURSDAY

TAGS S- 71.0 56.3
71.3 X 55.9

7921-RF Notch - 71.1 70.6

7922-LF

7923-RHF C- 78.0 71.3
77.5 X 71.0

PL- 56.9 56.2

HEAD - 10.4 10.5

TAIL - 13.5 14.5

RFF - 11.9 12.3

WEIGHT - Not Taken

∴ 3mm increase in 3mm
1.2cm year

#7921 Molokai, stomach

| | |
|-------------------------------|-------|
| <u>Acanthophræa spicifera</u> | 80% |
| <u>Spyridia filamentosa</u> | 15 |
| <u>Valonia aegagropila</u> | 5 |
| <u>Polysiphonia howei</u> | Trace |

Amphipods (7)

BLOOD - 2 VIALS

STOMACH - YES

(8)

TAGS S- 63.4 X 50.4

Notch - 63.3

7833-LF

7834-RF C- 67.5 X 60.0

PL - 50.9

HEAD - 9.5

TAIL - 13.0

RFF - 11.1

WEIGHT - 76# (34.5 kg)

BLOOD - 2 VIALS

STOMACH - YES

#7833 Molokai, stomach 7-18-85

| | |
|----------------------------------|-------|
| <u>Turbinaria ornata</u> | 40% |
| <u>Amansia glomerata</u> | 30 |
| <u>Chondrococcus hornemanni</u> | 30 |
| <u>Dictyopteris plagiogramma</u> | Trace |

Amphipods (2)

18 JULY 85
THURSDAY

39

(9) 7/88 - 72.2 cm

TAGS S - 68.6 x NT
Notch - 68.4

7835-RF

7836-LF C - 73.5 x 64.5

PL - 55.0

HEAD - 10.0

TAIL - 16.0

RFF - 12.1

WEIGHT - Not Taken

#7835 Molokai, stomach

| | |
|-------------------------------|-------|
| <u>Spyridia filamentosa</u> | 75% |
| <u>Acanthophora spicifera</u> | 25 |
| <u>Amansia glomerata</u> | Trace |
| <u>Bryopsis pennata</u> | Trace |
| <u>Valonia aegagropila</u> | Trace |
| <u>Ceramium sp.</u> | Trace |
| <u>Lyngbya majuscula</u> | Trace |
| <u>Oscillatoria sp.</u> | Trace |

BLOOD - 2 VIALS

STOMACH - Yes

(10)

TAGS S - 71.8 x NT
Notch - 71.6

7837-RF

7838-LF C - 78.0 x 69.0

PL - Not Taken

HEAD - 10.4

TAIL - Not Taken

RFF - 12.3

WEIGHT - NT

BLOOD - 2 VIALS

STOMACH - Not Taken

40

18 JULY 85

THURSDAY

(11) THIS WAS THE
 LARGEST TURTLE CAUGHT DURING 16-19 JULY TRIP

TAGS

S - 79.4 x 61.7

Notch - 79.0

7839-LF

7840-RF C - 85.5 x 78.0

7841-LHF

PL - Not Taken Measured in boat

HEAD - 11.4

TAIL - Not Taken

RFF - 13.4

BLOOD - Not Taken

WEIGHT - Not Taken

STOMACH - Not Taken

Deep Shank scratches on 2nd Lateral Right
 & 1st 2nd & 3rd Lateral Left & 1st central &
 2nd Marginal right & top of head

Shell sample taken 10th left

TAGS

S

Notch

NOTE

PAINTED #17 also in Pen, but
 got past "cut-off" piece.

C

ORIGINALLY CAPTURED AND TAGGED
 YESTERDAY 7/17 wed at the same
 Pen site (8549, 8550)

PL

HEAD

TAIL

RFF

WEIGHT

BLOOD

STOMACH

These 3 turtles

SIDE NOTE: 7815 } Blood
 8547 } Didn't separate from 7/17 drawings;
 7798 } so frozen whole on 7/18 Thurs
 at Ed's house.

18 JULY 85. Before dark ~~th~~ we dove into town to
 THURSDAY freeze blood samples at Ed's house. Road
 had a few muddy spots by "salt flats" but
 was easily passable. Ate dinner at
 Mid-Nite Inn (FRIED AKU-#7); bought breakfast
 cereal, chicken viennas at the store. Call. E.M.
 Returned to camp about 10 p.m.
 ROBERT TOOK SEAWATER TEMP. IN PEN - 29°C
 (average waste deep)

19 JULY 85 UP - 7 AM. Heron on the low tide
 FRIDAY mud flat in front of camp. Cows
 regularly use nearby area. Ed, Diane &
 friends (— wheels, + Sanjessie & daughters
 + KEN & TERENCE Nicky) arrived ~ 9:15 am. Goryo & Bucky
 with them in their own pickup truck.
 Walked out to anchored boat ~ 10 am
 and pushed it straight out to deeper water.
 Arrived at net a short time later.
 photos taken as we approached - orange
 buoys present to keep net up if waves
 are high. Picked up guide - ~ 15-20 webe
 gilled - dead. 2-3 spiny lobsters. At
 the pen, I snorkled all the way
 around - looking from the outside down at
 (CONT. NEXT PAGE)

Lobsters
 now out of
 SEASON

19 JULY 85
FRIDAY

The area where the excess net lays on the bottom inward from the lead line. Water depth varies from 3-4', while net is ~10+' deep. Found a small juvenile laying under this segment of the net - really somatose, but not really "caught" in any way. Apparently it just couldn't find its way out. When approaching net, I saw 1 head surface - nothing more. Like other sets, it is impossible to tell how many turtles are in the net when first coming up. Robert & I and others went around the net retrieving turtles. Then put in "cut-off" piece and bagged the net. A blue painted turtle was seen escaping back into the pen - no number read - probably an unnumbered "swear". Two coolers of fish were obtained, including a ~ca. 40% Wlua. Most fish were U weke. Like yesterday, perhaps 1-2 kala. 3-4 very large swa, which were put up in the bow of the boat. Ed said these wouldn't bring a very low price. To get the meat you roll it out with a rolling pin due to the many bones! Second most abundant fish in cooler

19 July 85 43

FRIDAY

was Papio (many looked quite small).
Later we found that 38 turtles
had been obtained. Final logging of the
net was exciting due to the high density
of critters, many biting the net
at one time, 3-4 turtles still in
the net at that time. Robert accidentally
grabbed the pectoral fin of a black tip
shark, thinking it was a turtle.
Leaving the pen in place (Ed thought there
was more fish in it to be logged), we
motored back toward the shore camp.
Robert and I proceeded to only log
as many as we could, saving
measurements until later. Always off-
shore the water became too shallow
to get in close. Photos taken
of people carrying ^{small} turtles ashore on
the top of their head. Also photo
of turtles in the boat (before unloading)
with everyone around the boat.
Measured and released all of the
larger turtles directly from the boat.
On shore, we put ~19 turtles
brought ashore on the blue tarp.
Photos taken. Then the adults went
back out to the net. Didn't bag again.
Came back ~1 hour later. Caught
1 more turtle, but Ed said there
were "10 more turtles in it"
(CONT. p. 62)

TAGGED AND RELEASED

19 JULY 85

45

FRIDAY

FROM THE BOAT: - low tide - couldn't get in closer.

OFF CAMPSITE - NO SPRAY-MARKS PUT ON THESE TURTLES.

①

TAGS

S - 77.5 x 59.5

Notch - 77.2

9401-RF

PL - NT

9402-LF

HEAD - 10.8

RFF - 12.5

C - 82.0 x 74.0

LH Flipper
cut & healed

②

TAGS

S - 78.6 x 59.1

Notch - 78.4

7848-LF

HEAD - 10.8

7850-RF

RFF - 13.5

PL - NT

TAIL - NT

7849-RHF

C - 83.5 x 71.5

deep cuts in Carapace (6) (L) Partly healed

→ left hind flipper deep cut

③

TAGS

S - 76.0 x 60.0

Notch - 75.8

7845-RF

Head - 11.0

7844-LF

RFF - 12.6

C - 81.5 x 77.0

2nd lateral Right large "spine" hole (shark tooth?
found in hole) Photo Taken #29

↳ probably was an atrophied piece of bone -

46

TAG No. left with Bill P. 7-11-85

19 JULY 85

RECAPTURE

See p. 69

Probably released at K's dock by ED & DIANE

FRIDAY

8/7/85
call TOBIANE

(4)

TAGS S 67.0 x 52.6

Notch 66.2

8847-LF HEAD 9.9

8848-RF RFF - ~~11.8~~ 11.8

C - 71.0 x 64.5

Tip of RF Flipper bloody

(5)

TAGS S - 67.4 x 52.4

Notch - 67.0

9411-LF HEAD - 9.6

9412-RF RFF - 11.3

C - 72.5 x 66.5

Heavy Scum

(6)

TAGS S - 66.3 x 51.0

Notch - No Notch

7846-LF HEAD - 9.7

7847-RF RFF - 10.8

C - 70.5 x 63.0

R post central broken & healed

L Hind Flipper torn open

Photo taken #30

19 JULY 85

FRIDAY

47

(7)

TAGS S - 56.4 x 43.9

Notch - 56.0

9409-LF HEAD - 8.5

9410-RF RFF - 9.7

C - 60.5 x 52.5

Two healed gorges on left - refer to photo #31

(8)

TAGS S - 62.0 x 51.3

Notch - 61.9

9403-LF HEAD - 9.1

9404-RF RFF - 9.8

C - 67.0 x 60.5

(9)

TAGS S - 60.0 x 47.2

9425-LF Notch - 59.6

9426-RF HEAD - 8.9

RFF - 9.5

C - 60.4 x 56.0

↑
ERROR

48

19 JULY 85
FRIDAY

(10)

TAGS S - 55.8 X 45.3

Notch - 55.6

9408-LF HEAD - 8.5

9407-RF RFF - 9.5

C - 59.0 X 54.0

(11)

TAGS S - 50.0 X 44.4

Notch - 55.7

9405-LF HEAD - 8.5

9406-RF RFF - 9.4

C - 61.0 X 52.5

(12)

TAGS S - 55.5 X 42.4

9427-LF Notch - 55.0

9428-RF HEAD - 8.6

RFF - 9.6

C - 59.5 X 52.0

19 JUL 1985
FRIDAY

49

(13)

TAGS S 56.9 x 44.2
Notch 56.4
9429-RF HEAD - 8.6
9430-LF RFF - 9.5
C - 61.0 x 51.0

(14)

TAGS S - 52.0 x 40.7
9433-RF Notch - 51.7
9434-LF HEAD - ~~8.8~~ 8.0
RFF - 8.8
C - 55.5 x 47.5

(15)

TAGS S - 56.4 x 43.5
9431-RF Notch - 56.3
9432-LF HEAD - 8.3
RFF - 9.0
C - 60.5 x 51.0

50

19 JULY 85

FRIDAY

(16)

TAGS S - 52.3 X 40.9

Notch - 51.9

9435-RF HEAD - 7.6

RFF - 8.2

C - 56.0 X 47.5 ^{healed} - "ROUNDED OFF" - all healed,
 Left front flipper ^{injured} Photo ^{#32} Taken. ^{ASA} 64
 Between 11th Marginal & PC on Right
 healed indentation. Swam really fast upon release.

SMALLER
 All of the following TURTLES BROUGHT TO SHORE ON
 BLUE-TARP, AND WORKED-UP IN THE BACK OF THE STATION WAGON,
 PHOTOS ON TARP.

All Turtles after Marked with Blue "0" ↓

(17)

TAGS S - 48.5 X 39.7

Notch - 48.2

9436-LF HEAD - 8.0

9437-RF RFF - 8.2

C - 52.0 X 48.0

2 Scales missing on tip of R F Flipper - Recent

Blood - 1 ~~VIAL~~ VIAL

19 JULY 85
FRIDAY

51

(18)

TAGS S - 53.4 x 41.0
Notch 53.0
9438-LF HEAD - 8.2
9439-RF RFF - 8.5
C - 57.5 x 49.5
BLOOD - 1 vial

(19)

TAGS S - 55.9 x 44.0
Notch - 55.7
9440-RF HEAD - 8.7
9441-LF RFF - 9.9^{cm}
C - 59.5 x 52
BLOOD - 1 VIAL

Recapture

7/9-11/90
Site F

52

19 JULY 85

FRIDAY

(20)

TAGS S - 50.0 X 40.4

Notch - 49.5

9413-RF HEAD - 8.1

9414-LF RFF - Not Taken

C - 53.5 X 47.0

Blood - No

(21)

TAGS S - ~~50.0~~ 48.8 X 38.0

Notch - 48.4

9442-LF HEAD - 7.0

9443-RF RFF - 8.6

C - 51.5 X 45.5

BLOOD - 1 vial

4th Central divided in two
5th

sent

General Delivery
Kauai Natatani High 746
Nico (Nicky)
BROTHER - JESSIE
54.8
wheeler 5th grade

Gene

53

Their FATHER IS A
MOLOKAI BEE KEEPER

(22)

TAGS

S - 47.4 X 38.2

9444-LF Notch - 47.2

9445-RF HEAD - 7.5

RFF - 8.2

C - 51.0 X 43.5

Blood - No

Recapture site F

7/9-11/90
(2107)

(23)

TAGS

S - 47.8 X 37.8

Notch - 47.5

9446-LF Head - 7.6

9447-RF RFF - 7.6

C - 51.0 X 45.5

Blood - No

Sent

General Delivery
Kauai High 748
Nicoy (Nicky)
BROTHER - JESSIE
54.8
wheeler 5th grade

Gene

53

(22)

TAGS

S - 47.4 X 38.2
9444-LF Notch - 47.2
9445-RF HEAD - 7.5
RFF - 8.2
C - 51.0 X 43.5
Blood - No

Their FATHER IS A
MOLOKAI BEE KEEPER

Recapture site F

7/9-11/90
(2107)

(23)

TAGS

S - 47.8 X 37.8
Notch - 47.5
9446-LF Head - 7.6
9447-RF RFF - 7.6
C - 51.0 X 45.5
Blood - No

(22)

54

19 JULY 85
FRIDAY

(24)

TAGS S - 46.5 X 37.2

Notch - 46.2

9448-LF HEAD - 7.6

4449-RF RFF - 8.1

C - 49.5 X 44.0

Blood - 1 VIAL

(25)

TAGS S = 43.1 X 36.4

Notch - 44.9

9450-RF HEAD - 7.4

9451-LF RFF - 7.6, 55.5

C - 48.0 X 43.0

BLOOD - NO

7/9-11/90
Site F

19 JULY 85
FRIDAY

(26)

55.0

Recap 7/5/89

Tags S - 43.6 x 35.8

Notch - No Notch

9415-RF Head - 6.9

9416-LF RFE - NT

C - ^{58.5} 46.0 x 42.0

Blood - No

(27)

TAGS S - 44.1 x 36.4

Notch - ~~27.8~~ 43.8

9421-LF Head - 7.3

9422-RF RFF - 7.9

C - 46.0 x 41.0

Slit between 11th Marginal & PC on right

Blood - 1/2 vial

56

19 JULY 85

FRIDAY

(28)

TAGS

S - 42.9 x ~~34.4~~

Notch 42.5

9452-LF HEAD - 7.0

9453-RF RFF - 7.5

C - 46.0 x 41.0

Blood - 1 VIAL

(29)

TAGS

S - 44.8 x 35.2

Notch - 44.4

9454-LF HEAD - 7.3

9455-RF RFF - 7.8

C - 48.0 x 41.5

19 July 85
FRIDAY

57

(30)

TAGS S - 41.5 x 35.0

Notch - 40.6

9417-RF HEAD - 6.5

9418-LF RFF - 7.1

C - 44.0 x 40.5

P.C. on Carapace
Scum on shell

(31)

TAGS S - 38.2 x 32.4

(3) likely Notch - 37.9

9424-LF HEAD - 6.4

(4) 9425-RF RFF - 7.0

C - 41.0 x 38.0

Bloody
at top
pierce sites

Thick scum & PC on Carapace
Scum on Carapace

58

19 JULY 85

FRIDAY

(32)

TAGS

S - 42.5 x 35.0

Notch - 42.0

9456-LF HEAD - 6.7

9457-RF RFF - 7.1

C - 45.0 x 40.0

Ser.

(33)

TAGS

S - 41.3 x 33.8

Notch - 40.8

9458-LF HEAD - 6.9

9459-RF RFF - 7.3

C - 44.0 x 40.0

Thick Scum, Ser.

Photo #36

19 JULY 85
FRIDAY

59

(34)

TAGS S - 43.0 X 34.0

Notch - 42.7

9460-LF HEAD - 7.1

9461-RF RFF - 7.2

C - 46.0 X 40.5

Scum

(35)

TAGS S - 40.9 X 33.7

Notch - 40.1

9419-LF HEAD - 6.9

9420-RF RFF - 7.1

C - 42.5 X 39.0

Bloody

from

TAG

Application

Scum, P.C., Ser on Carapace

60

19 JULY 1985

FRIDAY

(36)

TAGS S - 40.2 X 33.6

Notch - 39.7

9462-LF HEAD - 6.5

9463-RF RFF - 7.3

C - 42.0 X 38.5

Scum, P.C., Ser on Carapace

(37)

TAGS S - 43.8 X 37.9

Notch - 43.1

9464-LF HEAD - 7.0

9465-RF RFF - 7.6

C - 46.5 X 43.5

A few scratches & small holes, possible
Shark BitesScum, serrated edge to carapace
(marginal scutes are scalloped)

19 JULY 85
FRIDAY

61

(38)

TAGS

S - 66.9 X 51.3

Notch - 66.6

9466-RF

HEAD - 10.3

9467-LF

RFF - 12.0

C - 70.5 X 65.0

PL - 54.2

TAIL - Not Taken

BLOOD - 1 VIAL

At least one turtle seen in the pen with "blue paint", but it got past "cut-off" piece so the actual tag number couldn't be read.

19 JULY 85

FRIDAY

Children helped with data collection on turtles. Drew blood and used electro. to take measurements, tag as needed in the back of the station wagon.

Finished up ~ 3 pm. Packed up camp and drove to the airport where I dropped off Robert and all baggage. ^{~ 4:30 pm} Stopped by Water Board/DNR office to get blood samples, but they were closed. Drove back to town to get frozen blood/serum at Ed's house. Checked Avis car in at Puntana and driven by van to the airport.

Checked in at Air Molokai - \$17 excess baggage (probably an overcharge).