

3 of 3

PUAKO #18 7/11/96 NEARSHORE

mead 1994-96

COMPOSITION

11/29/94 BALAZS 808-943-1240

KEAWANUI 12/21/94 HONAUUNAU #18

100 sheets • 200 pages

9 3/4 x 7 1/2 in / 24.7 x 19.0 cm

wide ruled • 09910

PUAKO STORE 4/10/96 (9876903)

PUAKO #14 1/18/95

MREC cellulose

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PUAKO #16 5/17/96 NEARSHORE

PUAKO #17 6-6-96



NMFS, HONOLULU LAB
Marine Turtle Research
2570 Dole Street
Honolulu, HI 96822-2396

#5

SEA TURTLE TAGGING FORM

Shawn "Sonic" used on TDRs

CAPTURE DATE, LOCATION AND METHOD:

5/17/96 Net PUAKO Shoals

PERSON RECORDING DATA:

Nearshore TDR 95123 SON 28

OLD TAGS:

Empty boxes for old tags

NEW TAGS: RFL

9436

9439 R LFL

9437

OTHER NEW TAGS:

2210 B327 B
9438 LH

TUMOR SCORE

0

STRAIGHT CARAPACE-LENGTH:

78.1

WIDTH:

61.9

NOTCH LENGTH:

Empty box

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

83.5

WIDTH:

74.0

HEAD WIDTH:

Empty box

SEX: MALE, FEMALE OR UNDETERMINED

Empty box

PPS: YES OR NO OR NE

Empty box

TAIL LENGTH:

T Empty box

C

Empty box

RIGHT FRONT FLIPPER WIDTH:

Empty box

SAMPLES COLLECTED:

PLASTRON LENGTH:

Empty box

WEIGHT:

Empty box

Second lateral of fiberglass

DESCRIPTIVE REMARKS:

right - 1 ELASTIC 3 STRIPS cloth + Resin.

Released 12:30 PM #95-123 MK5 - TDR by Wildlife Computers

Sonic #28 70KHz

#6

SEA TURTLE TAGGING FORM



220348552B

CAPTURE DATE, LOCATION AND METHOD:

5/17/96

Puako
Nearshore Atand

PERSON RECORDING DATA: Miki'ala Ramler

Scuba

OLD TAGS:

Empty boxes for old tags

NEW TAGS: RFL

Q-504

LFL

Q-505

TUMOR SCORE

0

OTHER NEW TAGS:

LH - Q-506

STRAIGHT CARAPACE-LENGTH:

42.7

WIDTH:

36.4

NOTCH LENGTH:

42.4

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

45

WIDTH:

41

HEAD WIDTH:

6.4

SEX: MALE, FEMALE OR UNDETERMINED

Empty box for sex

EPS: YES OR NO OR NE

NO

TAIL LENGTH:

T 8

C

5.5

RIGHT FRONT FLIPPER WIDTH:

6.9

SAMPLES COLLECTED:

PLASTRON LENGTH:

33.6

Blood for

~~Plasma~~ banking (Q-504)

WEIGHT:

22 lbs-

DESCRIPTIVE REMARKS:

PCA.

SEA TURTLE TAGGING FORM

#7

CAPTURE DATE, LOCATION AND METHOD:

5/17/96	Puako	Hand
PERSON RECORDING DATA: Mikiala Ramler	Wai'analoa	SCUBA

OLD TAGS:

RFL = Q-425
LFL = Q-426
LH = Q-428
RH = Q-429

TUMOR SCORE

0

2210640761

NEW TAGS: RFL

[Empty box]

LFL

OTHER NEW TAGS:

[Empty boxes]

STRAIGHT CARAPACE-LENGTH:

51.1

WIDTH:

40.3

NOTCH LENGTH:

50.6

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

54.5

WIDTH:

49

HEAD WIDTH:

[Empty box]

SEX: MALE, FEMALE OR UNDETERMINED

[Empty box]

PPS: YES OR NO OR NE

[Empty box]

TAIL LENGTH:

T

[Empty box]

C

[Empty box]

RIGHT FRONT FLIPPER WIDTH:

[Empty box]

SAMPLES COLLECTED:

no blood

PLASTRON LENGTH:

[Empty box]

WEIGHT:

[Empty box]

[Empty box]

[Empty box]

DESCRIPTIVE REMARKS:

[Empty box]

[Empty box]

#8

SEA TURTLE TAGGING FORM



221A677F2D

CAPTURE DATE, LOCATION AND METHOD:

5/17/96

PUAKO Near shore Hand scuba

PERSON RECORDING DATA:

Miki'ala Ramier

OLD TAGS:

Empty boxes for old tags

NEW TAGS: RFL

Q-507

LFL

Q-508

TUMOR SCORE

0

OTHER NEW TAGS:

LH = Q-509

RH = Q-510

STRAIGHT CARAPACE-LENGTH:

55.3

WIDTH:

41.5

NOTCH LENGTH:

55.3

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

59

WIDTH:

52

HEAD WIDTH:

8.5

SEX: MALE, FEMALE OR UNDETERMINED

Empty box for sex

EPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

12

C

8

RIGHT FRONT FLIPPER WIDTH:

9.8

SAMPLES COLLECTED:

PLASTRON LENGTH:

44.5

Blood for

Plasma for banking

WEIGHT:

45 lbs

(Q-507)

DESCRIPTIVE REMARKS:

PCA

#9

SEA TURTLE TAGGING FORM



CAPTURE DATE, LOCATION AND METHOD:

221A75463E

5/17/96 PUAKO Hand near shore scuba
PERSON RECORDING DATA: Miki'ala Ramler

OLD TAGS:
TUMOR SCORE

NEW TAGS: RFL Q-511
LFL Q-Q-512
OTHER NEW TAGS:
LH-Q-513
RH-Q-514

STRAIGHT CARAPACE-LENGTH: 48.2 WIDTH: 38.3

NOTCH LENGTH: 47.5 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 52 WIDTH: 46

HEAD WIDTH: 7.6

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

TAIL LENGTH: T 10 c 6.5

RIGHT FRONT FLIPPER WIDTH: 8.4

SAMPLES COLLECTED:

PLASTRON LENGTH: 37.4
Blood for plasma banking (Q-511)

WEIGHT: 34

DESCRIPTIVE REMARKS:

10

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/96 PUAKO hand
near shore scuba

PERSON RECORDING DATA: Miki'ala Ramler

OLD TAGS:

RFL = Q-456
LFL = Q-455
RH = Q-458
LH = Q-457

2201145429

TUMOR SCORE

0

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH: WIDTH:

NOTCH LENGTH: DB: VB:

CURVED CARAPACE LENGTH: WIDTH:

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

SPS: YES OR NO OR NE

TAIL LENGTH: T C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

WEIGHT:

DESCRIPTIVE REMARKS:

11

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/96

Puako Nearshore Hand scuba

PERSON RECORDING DATA: Miki'ala Ramler

OLD TAGS:

RFL = N-631

NEW TAGS: RFL

TUMOR SCORE

RH = N-630

LFL

LH = K-318

OTHER NEW TAGS:

0

L35 L-35 (224)

1F272F6427 (224)

STRAIGHT CARAPACE-LENGTH:

58.0

WIDTH:

45.6

NOTCH LENGTH:

58.0

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

62

WIDTH:

54

HEAD WIDTH:

9.2

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

10.5

C

7

RIGHT FRONT FLIPPER WIDTH:

10.6

SAMPLES COLLECTED:

PLASTRON LENGTH:

46.9

Blood for plasma banking

WEIGHT:

56 lbs.

(N-630)

DESCRIPTIVE REMARKS:

RCA

N630

SEA TURTLE TAGGING FORM



22101E4C63

CAPTURE DATE, LOCATION AND METHOD:

5/17/06

PUAKO Nearshore Hand scuba

PERSON RECORDING DATA:

Mikiala Ramler

OLD TAGS:

Empty boxes for old tags

NEW TAGS: RFL

Q-516
Q-515

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

LH = Q-517
RH = Q-518

STRAIGHT CARAPACE-LENGTH:

59.0

WIDTH:

44.9

NOTCH LENGTH:

58.8

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

62.5

WIDTH:

55

HEAD WIDTH:

8.9

SEX: MALE, FEMALE OR UNDETERMINED

Empty box for sex

PPS: YES OR NO OR NE

YES

Y

TAIL LENGTH: T

13.5

C

9.5

RIGHT FRONT FLIPPER WIDTH:

10.6

SAMPLES COLLECTED:

PLASTRON LENGTH:

48.4

Blood for

Empty box for samples

WEIGHT:

61

Plasma for banking (Q-516)

DESCRIPTIVE REMARKS:

Q516

Subant...

#13

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/96 PUAKO Nearshore Hand scuba
PERSON RECORDING DATA: Mikiala Ramler

OLD TAGS: RFL = B-176
LFL = B-175
RH = B-178
LH = B-177

NEW TAGS: RFL ~~B-176~~
LFL ~~B-175~~

TUMOR SCORE
0

OTHER NEW TAGS:

IF2A6C2A21

STRAIGHT CARAPACE-LENGTH: 66.4 WIDTH: 52.1

NOTCH LENGTH: 66.1 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 71 WIDTH: 61

HEAD WIDTH: 9.8 SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE Y

TAIL LENGTH: T 14 C 9.5

RIGHT FRONT FLIPPER WIDTH: 11.4 SAMPLES COLLECTED

PLASTRON LENGTH: 53.4 Blood for Plasma f/A/banking (B-175)

WEIGHT: 80 lbs.

DESCRIPTIVE REMARKS:

Left DISTAL ~~Humerus~~ Radius/ULNA fractured and healed.

#14

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/96 Puako net capture
 Nearshore
 PERSON RECORDING DATA: Sandi Watson

OLD TAGS:

RFL = N767
 LFL = N768
 RH = N770
 LH = Q448

NEW TAGS: RFL

[]
 []

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

[]
 []

221A4F3271
 L3-4 = N769

STRAIGHT CARAPACE-LENGTH:

66.9

WIDTH:

51.3

NOTCH LENGTH:

66.8

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

71.5

WIDTH:

65.5

HEAD WIDTH:

[]

SEX: MALE, FEMALE OR UNDETERMINED

[]

PPS: YES OR NO OR NE

[]

TAIL LENGTH: T

[]

C

[]

RIGHT FRONT FLIPPER WIDTH:

[]

SAMPLES COLLECTED:

PLASTRON LENGTH:

52.2

[]

WEIGHT:

[]

[]

[]

DESCRIPTIVE REMARKS:

[]

[]

NO BLEED

SEA TURTLE TAGGING FORM

#15

CAPTURE DATE, LOCATION AND METHOD:

5/17/96 Puako Nearshore ^{net capture}

PERSON RECORDING DATA: Sandi Watson

OLD TAGS:	RFL = Q441	NEW TAGS: RFL	
	LFL = Q442	LFL	
TUMOR SCORE	RH = Q443	OTHER NEW TAGS:	
0	Q443		

22101140C2A

STRAIGHT CARAPACE-LENGTH: 43.5 WIDTH: 36.4

NOTCH LENGTH: 43.0 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 46.5 WIDTH: 42

HEAD WIDTH: [] SEX: MALE, FEMALE OR UNDETERMINED []

PPS: YES OR NO OR NE []

TAIL LENGTH: T [] C []

RIGHT FRONT FLIPPER WIDTH: [] SAMPLES COLLECTED: []

PLASTRON LENGTH: [] ^{Blood for} PLASMA ~~FL~~ BANKING Q441

WEIGHT: [] [] Q441

DESCRIPTIVE REMARKS: [PDA]

SEA TURTLE TAGGING FORM

416

CAPTURE DATE, LOCATION AND METHOD:

5/17/96 Puako Neaulia NET CAPTURE

PERSON RECORDING DATA: Sandi Watson

OLD TAGS:

RFL = Q403
~~MMMM~~
~~LH~~ = Q404
R3-4 = 11008
L2-3 = 11009
22DF740140

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

TUMOR SCORE

0

STRAIGHT CARAPACE-LENGTH:

50.5

WIDTH:

40.0

NOTCH LENGTH:

50.1

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

53.5

WIDTH:

45.5

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

SPS: YES OR NO OR NE

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

41.7

Blood for

PLASMA BANKING

Q403

WEIGHT:

DESCRIPTIVE REMARKS:

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/96 PUAKO ^{NET CAPTURE} Nearshore

PERSON RECORDING DATA: Sandi Watson

OLD TAGS: RFL = Q424
LFL = Q423
RH = Q451
LH = Q425

TUMOR SCORE

0

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

220F79367F

STRAIGHT CARAPACE-LENGTH:

49.9

WIDTH:

38.8

NOTCH LENGTH:

49.4

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

54

WIDTH:

46

HEAD WIDTH:

SEX:

MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED

PLASTRON LENGTH:

38.7

No blood

WEIGHT:

DESCRIPTIVE REMARKS:

ALGAE IN MOUTH

#18

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

5/17/96 Puako NET CAPTURE
Newshore

PERSON RECORDING DATA: Sandy Watson

OLD TAGS:

RFL = Q410
LFL = Q409
LH = Q411
RH = Q412

NEW TAGS: RFL

[]
[]

LFL

OTHER NEW TAGS:

[]
[]

TUMOR SCORE

0

221008387A

STRAIGHT CARAPACE-LENGTH:

56.8

WIDTH:

42.9

NOTCH LENGTH:

56.2

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

60.5

WIDTH:

53

HEAD WIDTH:

[]

SEX: MALE, FEMALE OR UNDETERMINED

[]

PPS: YES OR NO OR NE

[]

TAIL LENGTH:

T

[]

C

[]

RIGHT FRONT FLIPPER WIDTH:

[]

SAMPLES COLLECTED:

PLASTRON LENGTH:

45.6

Blood fat

PLASMA

BANKING

WEIGHT:

[]

[]

Q409

DESCRIPTIVE REMARKS:

[]

RH 1/3 MISSING 2nd HEALED

SEA TURTLE TAGGING FORM

22100D4B71



CAPTURE DATE, LOCATION AND METHOD:

5/17/96

PVAKO ^{NET} CAPTURE
Neaushore

PERSON RECORDING DATA:

Sandi Watson

OLD TAGS:

NEW TAGS: RFL

Q520

LFL

Q519

TUMOR SCORE

0

OTHER NEW TAGS:

LH = Q521

RH = Q522

STRAIGHT CARAPACE-LENGTH:

52.3

WIDTH:

40.9

NOTCH LENGTH:

51.6

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

55.5

WIDTH:

49

HEAD WIDTH:

8.5

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

Y

TAIL LENGTH:

T

10

C

7

RIGHT FRONT FLIPPER WIDTH:

9.3

SAMPLES COLLECTED:

PLASTRON LENGTH:

42.4

~~No Blood~~

WEIGHT:

43

DESCRIPTIVE REMARKS:

--	--

#20

SEA TURTLE TAGGING FORM

2207527528

END Puako #16

CAPTURE DATE, LOCATION AND METHOD:



5/17/96 Puako Nearshore NET CAPTURE
PERSON RECORDING DATA: Sandi Watson

OLD TAGS:

Empty boxes for old tags

NEW TAGS: RFL

Q524

LFL

Q523

TUMOR SCORE

0

OTHER NEW TAGS:

LH = Q525

STRAIGHT CARAPACE-LENGTH:

49.2

WIDTH:

38.2

NOTCH LENGTH:

48.9

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

52.5

WIDTH:

45

HEAD WIDTH:

7.8

SEX: MALE, FEMALE OR UNDETERMINED

Empty box for sex

SPS: YES OR NO OR NE

Checked box for YES

TAIL LENGTH:

T

9

C

6

RIGHT FRONT FLIPPER WIDTH:

8.0

SAMPLES COLLECTED:

PLASTRON LENGTH:

39.1

Blood for

Empty box for sample

WEIGHT:

35

PLASMA BANKING

Empty box for plasma

Q523

DESCRIPTIVE REMARKS:

Empty box for remarks

Q523

PCA

SEA TURTLE TAGGING FORM

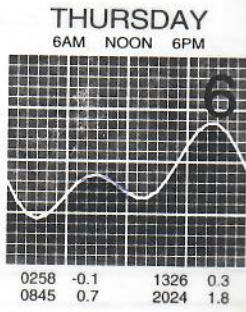
1

CAPTURE DATE, LOCATION AND METHOD:

6/6/96

Puerto Rico

Hand



PERSON RECORDING DATA:

Andrea

24

OLD TAGS:

Q437

NEW TAGS: RFL

TUMOR SCORE

Q436

LFL

Q438

OTHER NEW TAGS:

Q439

0

-22100B327B-

STRAIGHT CARAPACE-LENGTH:

78.5

WIDTH:

61.7

NOTCH LENGTH:

78.5

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

83.5

WIDTH:

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

WEIGHT:

Photos w/ DATA LINK AND NOTEBOOK Computer

DESCRIPTIVE REMARKS:

DATA Downloaded Successful
TDR Restarted for data sample
Per minute (therefore 9 WEEKS)

TDR95/23

SON 20

Capture time approx. 9:00 am

Release at 9:41 AM

SEA TURTLE TAGGING FORM

2

CAPTURE DATE, LOCATION AND METHOD:

June 6, 1996 / Puako #24

PERSON RECORDING DATA: ^{weathers} Andrea Jordan

OLD TAGS:

RFL-Q452
RH-Q454
LH-Q453
221A62341D

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

TUMOR SCORE

0

STRAIGHT CARAPACE-LENGTH:

51.2

WIDTH:

38.3

NOTCH LENGTH:

50.8

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

54.5

WIDTH:

46.5

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

40.5

WEIGHT:

DESCRIPTIVE REMARKS:

VIRUS
- Blood for control and
- 2 - 6mm skin Biopsies casey's
LH & RH for Jim

3

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

June 6, 1996 / Puaiko ~~Net~~

PERSON RECORDING DATA:

Neashu #11
Jordan, Andrea

OLD TAGS:

RFL-0427

NEW TAGS: RFL

TUMOR SCORE

LFL-0426

LFL

0

RH-0429

OTHER NEW TAGS:

RH-0428

Pit tag-2210640761

STRAIGHT CARAPACE-LENGTH:

51.3

WIDTH:

40.3

NOTCH LENGTH:

50.8

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

54.5

WIDTH:

49.0

HEAD WIDTH:

[]

SEX: MALE, FEMALE OR UNDETERMINED

[]

PPS: YES OR NO OR NE

[]

TAIL LENGTH:

T

[]

C

[]

RIGHT FRONT FLIPPER WIDTH:

[]

SAMPLES COLLECTED:

PLASTRON LENGTH:

41.6

WEIGHT:

[]

[]

[]

DESCRIPTIVE REMARKS:

[]

[]

- Blood for a control and

- 2-6mm skin Biopsies LH+RH

for Jim Casey

SEA TURTLE TAGGING FORM

4

CAPTURE DATE, LOCATION AND METHOD:

June 6, 1996 / Pyako Net ~~etc~~

PERSON RECORDING DATA: Jordan, Andrea

Pt tag - 2201352A46

OLD TAGS:

LFL-N760

NEW TAGS: RFL

RFL-N759

LFL

TUMOR SCORE

L3-4-N761

OTHER NEW TAGS:

LH-N762

RH-0422

STRAIGHT CARAPACE-LENGTH:

69.8

WIDTH:

53.1

NOTCH LENGTH:

69.8

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

75.5

WIDTH:

65.5

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

55.8

WEIGHT:

DESCRIPTIVE REMARKS:

VIRUS
Blood for control and
2-6mm skin Biopsies
LH + RH for Jim Casey

15

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

June 6, 1996 / Puako: (Net ~~Catch~~)
 near tag #24
 PERSON RECORDING DATA: Jordan, Andrea / Nicole Zamora

OLD TAGS: LFL-Q405 NEW TAGS: RFL
 RFL-Q406 LFL
 LH-Q407 OTHER NEW TAGS:
 RH-Q408
 Pit Tag: 22100C035A286

TUMOR SCORE
 0

STRAIGHT CARAPACE-LENGTH: 1 56.0 WIDTH: 3 44.1

NOTCH LENGTH: 2 55.2 DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 4 60.0 WIDTH: 53.0

HEAD WIDTH: SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

TAIL LENGTH: T C

RIGHT FRONT FLIPPER WIDTH: SAMPLES COLLECTED:

PLASTRON LENGTH: 5 43.5

WEIGHT:

DESCRIPTIVE REMARKS:

VIRUS
 - Blood for control and photo
 - 2 - 6mm skin Biopsies (PRINT film)
 LHH RH for JIM COSEY

SEA TURTLE TAGGING FORM

6

CAPTURE DATE, LOCATION AND METHOD:

June 6, 1996 / Pyako: (Net ~~Catch~~)
near shore #24
PERSON RECORDING DATA: Jordan, Andrea

OLD TAGS:

LFL-0444
RFL 0445
LH - 0446
RH - 0447

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

TUMOR SCORE



Pit Tag: 221A58073C 285

STRAIGHT CARAPACE-LENGTH:

68.9

WIDTH:

[Blank box]

NOTCH LENGTH:

68.8

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

[Blank box]

WIDTH:

[Blank box]

HEAD WIDTH:

[Blank box]

SEX: MALE, FEMALE OR UNDETERMINED

[Blank box]

PPS: YES OR NO OR NE

[Blank box]

TAIL LENGTH:

T [Blank box]

C

[Blank box]

RIGHT FRONT FLIPPER WIDTH:

[Blank box]

SAMPLES COLLECTED:

PLASTRON LENGTH:

54.7

[Blank box]

WEIGHT:

[Blank box]

[Blank box]

[Blank box]

DESCRIPTIVE REMARKS:

views [Blank box]

- Blood for Control and
- 2-6mm - skin Biopsies
LH + RH for Jim Casey.

7

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

June 6, 1996 / Puako Hand ~~Net~~ Catch

PERSON RECORDING DATA:

Jordan, Andrea / Nicole Zamora

OLD TAGS:

LFL N764
RFL N763
L3-4 N765
LHQ 440

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

TUMOR SCORE

RH N760
Pit Tag - 2210170960287

STRAIGHT CARAPACE-LENGTH:

66.7

WIDTH:

52.3

NOTCH LENGTH:

66.4

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

73.0

WIDTH:

65.5

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

TAIL LENGTH:

T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

53.3

WEIGHT:

DESCRIPTIVE REMARKS:

VIRUS
- Blood for control and
2 - 6mm - SKIN Biopsies
LH & RH for JIM CASEY.

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

June 6, 1996

1 Puako ~~NET~~ ^{Net} #24

Previously captured 1/18/95 (8) Puako

PERSON RECORDING DATA:

Jordan, Andrea/Nicole Zamora/Audrey Clark

OLD TAGS:

LFL B197
RFL B198
LH B199
RH B200

NEW TAGS: RFL

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH: Pit Tag 7F 7D011D01

59.9

WIDTH:

46.3

NOTCH LENGTH:

59.6

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

64.5

WIDTH:

58.5

HEAD WIDTH:

[]

SEX: MALE, FEMALE OR UNDETERMINED

[]

PPS: YES OR NO OR NE

[]

TAIL LENGTH:

T []

C

[]

RIGHT FRONT FLIPPER WIDTH:

[]

SAMPLES COLLECTED:

PLASTRON LENGTH:

49.2

WEIGHT:

[]

DESCRIPTIVE REMARKS:

views []

Blood for control and
- 2-6 mm skin Biopsies
LH + RH for Jim Casey.

9

SEA TURTLE TAGGING FORM

Previously captured 5/17/96

CAPTURE DATE, LOCATION AND METHOD:

June 6, 1996 Poaka ^{nearshore} #24 Hand Catch
PERSON RECORDING DATA: Audrey Clark

OLD TAGS:

LFL N768
RFL N767
LH Q448
RH N770

NEW TAGS: RFL

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

L3-4 N769
Pittag 221A4F3671

STRAIGHT CARAPACE-LENGTH:

66.8

WIDTH:

51.5

NOTCH LENGTH:

66.8

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

71.5

WIDTH:

65.0

HEAD WIDTH:

[]

SEX: MALE, FEMALE OR UNDETERMINED

[]

PPS: YES OR NO OR NE

[]

TAIL LENGTH:

T

[]

C

[]

RIGHT FRONT FLIPPER WIDTH:

[]

SAMPLES COLLECTED

PLASTRON LENGTH:

52.2

WEIGHT:

[]

[]

[]

DESCRIPTIVE REMARKS:

Blood for ^{views} control and
- 2-6mm skin biopsies
LH & RH for Jim Casey

SEA TURTLE TAGGING FORM

10

CAPTURE DATE, LOCATION AND METHOD:

6/6/96 PUERTO RICO #24 HAND

PERSON RECORDING DATA: AULSON BEALE

OLD TAGS:

RFL	Q 456
LFL	Q 453
RH	Q 458
LH	Q 457

NEW TAGS: RFL

[Empty boxes for new tags]

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

PTM: 2201145429

STRAIGHT CARAPACE-LENGTH:

64.9

WIDTH:

47.9

NOTCH LENGTH:

64.9

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

69.5

WIDTH:

62.0

HEAD WIDTH:

[Empty box]

SEX: MALE, FEMALE OR UNDETERMINED

[Empty box]

PPS: YES OR NO OR NE

[Empty box]

TAIL LENGTH:

T [Empty box]

C

[Empty box]

RIGHT FRONT FLIPPER WIDTH:

[Empty box]

SAMPLES COLLECTED:

PLASTRON LENGTH:

50.2

[Empty boxes for samples collected]

WEIGHT:

[Empty boxes for weight]

DESCRIPTIVE REMARKS:

VIRUS BLOOD FOR CONTROL and 2x6mm SKIN BIOPSIES LH & RH for Jim Casey

11

SEA TURTLE TAGGING FORM

backpack PHOTO w/ TURTLE
AUDREY
ELEN
SARAH
JOANNA
JEFF
MARK
SEAN
STEPHANIE

CAPTURE DATE, LOCATION AND METHOD:

NOT FOR TOPS

06/06/96 nearshore PUAKO #24 HAND ~~CATCH~~

PERSON RECORDING DATA: ALISON BEALE

OLD TAGS:

RFL	Y659
LFL	Y658
RH	Q435
LH	Q434

TUMOR SCORE

0

NEW TAGS: RFL

LFL

OTHER NEW TAGS:

FIT TAG: 220F79733F

L2-3 210

STRAIGHT CARAPACE-LENGTH:

68.9

WIDTH:

54.3

NOTCH LENGTH:

68.4

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

74.0

WIDTH:

65.5

HEAD WIDTH:

[]

SEX:

MALE, FEMALE OR UNDETERMINED

[]

PPS: YES OR NO OR NE

[]

TAIL LENGTH:

T []

C

[]

RIGHT FRONT FLIPPER WIDTH:

[]

SAMPLES COLLECTED

PLASTRON LENGTH:

56.8

FROM MOUTH Abdominal formalin

WEIGHT:

[]

Mouth sample
in 10% formalin

DESCRIPTIVE REMARKS:

Previously captured
5/17/96

BLOOD COLLECTED FOR CONTROL and
2x6mm SKIN BIOPSIES UT&RIT for Jim Co

SEA TURTLE TAGGING FORM

221A59760F



(CONFIRMED)

CAPTURE DATE, LOCATION AND METHOD:

NEW PIT →

12

06/06/96

nearshore PVAKO #24

HAND SCUBA

PERSON RECORDING DATA: ALISON BEALE

OLD TAGS:

RFL
LFL
RH
LH

NEW TAGS: ^{LH} RFL

Q528
Q527

TUMOR SCORE

0

OTHER NEW TAGS:

RFL TAG RH Q529
PIT TAG

STRAIGHT CARAPACE-LENGTH:

51.9

WIDTH:

40.2

NOTCH LENGTH:

51.8

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

55.5

WIDTH:

49.0

HEAD WIDTH:

8.1

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

NO

TAIL LENGTH:

T 12.

C

7.5

RIGHT FRONT FLIPPER WIDTH:

9.6

SAMPLES COLLECTED:

PLASTRON LENGTH:

41.3

WEIGHT:

43 lb

DESCRIPTIVE REMARKS:

RFL HEALED NOTCH & RH ALSO HEALED NOTCH

2x 6mm SKIN BIOPSIES UT & RH for virus control
 2. ~~BLOOD NOT COLLECTED~~ for Jim Casey

13

SEA TURTLE TAGGING FORM

2210036E77

NEW PIT →



CAPTURE DATE, LOCATION AND METHOD:

06/06/96 PUAKO #24 HAND SCUBA
 Nearshore

PERSON RECORDING DATA: ALISON BEALE

OLD TAGS:

RAC
 RH
 RH
 LH

TUMOR SCORE

0

NEW TAGS: RFL

Q531
 Q530

LFL

OTHER NEW TAGS:

LH Q532
 RH Q533

STRAIGHT CARAPACE-LENGTH:

59.1

WIDTH:

46.4

NOTCH LENGTH:

58.8

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

63.5

WIDTH:

54.5

HEAD WIDTH:

9.4

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

YES

TAIL LENGTH: T

14.5

C

10.0

RIGHT FRONT FLIPPER WIDTH:

9.7

SAMPLES COLLECTED:

PLASTRON LENGTH:

46.1

WEIGHT:

59.0 lb.

DESCRIPTIVE REMARKS:

PCA (PINK CORALLINE ALG.)
 RH MISSING - 1/4 IN HEEL
 2x 2x6mm SKIN BIOPSIES LH & RH
 BLOOD COLLECTED FOR VIVOS CONTROL

for Jim Casey

14

SEA TURTLE TAGGING FORM

(COMPLETED)

22100D672E

NEW PIT →



CAPTURE DATE, LOCATION AND METHOD:

06/06/96

PUAKO #24
Nearshore

HAND SCUBA

14

PERSON RECORDING DATA: ALLISON BEALE

OLD TAGS:

NEW TAGS: RFL

Q535
Q534

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

RH	Q536
HH	Q537

LT - MISSING TAG SITE

STRAIGHT CARAPACE-LENGTH:

59.4

WIDTH:

48.9

NOTCH LENGTH:

59.2

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

64

WIDTH:

57.8

HEAD WIDTH:

9.1

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

YES

TAIL LENGTH:

T 13

C

9

RIGHT FRONT FLIPPER WIDTH:

9.8

SAMPLES COLLECTED:

PLASTRON LENGTH:

46.4

WEIGHT:

60.1b

DESCRIPTIVE REMARKS:

PCA
 2x6mm SKIN BIOPSIES LITE KIT for Jim Casey
 BLOOD COLLECTED FOR CONTROL and VIRUS

15

SEA TURTLE TAGGING FORM

(CONFIRMED)

221A685663

PIT TAG →



CAPTURE DATE, LOCATION AND METHOD:

06/06/96 PUAKO # 24
Nearshore

HAND SCUBA

PERSON RECORDING DATA: ALLISON BEALE

OLD TAGS:

NEW TAGS: RFL

~~R3-41~~

Q539

Q537

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

44 Q538

~~RH Q539~~ NO

STRAIGHT CARAPACE-LENGTH:

48.5

WIDTH:

~~36~~ 37.0

NOTCH LENGTH:

48.3

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

52.0

WIDTH:

44.5

HEAD WIDTH:

7.5

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

YES

TAIL LENGTH:

T 12

C

8.5

RIGHT FRONT FLIPPER WIDTH:

8.4

SAMPLES COLLECTED:

PLASTRON LENGTH:

37.8

WEIGHT:

35 lb

DESCRIPTIVE REMARKS:

--	--

PCA
 F. RH HEALED NOTCH; RPL NOT TAGGED
 B. BLOOD COLLECTED FOR CONTROL AND 2x6mm SKIN BIOPSIES

16

SEA TURTLE TAGGING FORM

(COMPLETED)

22191F5F70

CAPTURE DATE, LOCATION AND METHOD:

NEW
P.L.P. →
TAG



06/06/96 PUAKO #24
Nearshore

HAND SCUBA

PERSON RECORDING DATA: ALLISON BEALE

OLD TAGS:

Empty boxes for old tags

NEW TAGS: RFL

Q541
Q540

LFL

TUMOR SCORE

0

OTHER NEW TAGS:

RH Q542
LH Q543

STRAIGHT CARAPACE-LENGTH:

48.2

WIDTH:

37.9

NOTCH LENGTH:

47.9

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

51.5

WIDTH:

45.0

HEAD WIDTH:

7.7

SEX: MALE, FEMALE OR UNDETERMINED

Empty box for sex

PPS: YES OR NO OR NE

YES

TAIL LENGTH:

T 10

C

7.0

RIGHT FRONT FLIPPER WIDTH:

8.6

SAMPLES COLLECTED:

PLASTRON LENGTH:

38.1

WEIGHT:

37 lb

DESCRIPTIVE REMARKS:

VIRUS

- BLOOD COLLECTED FOR CONTROL and
- 2*6 mm SKIN BIOPSIES LH & RH for Casey

17

SEA TURTLE TAGGING FORM

(CONFIRMED)

220F755F3B

NEW PIT TAG →



CAPTURE DATE, LOCATION AND METHOD:

06/06/96

PUAKO # 24
Near shore

HAND SCUBA

PERSON RECORDING DATA: ALISON BEALE

OLD TAGS:

[Empty boxes for old tags]

NEW TAGS: RFL

Q545

LFL

Q544

TUMOR SCORE

0

OTHER NEW TAGS:

RH Q547

LH Q546

STRAIGHT CARAPACE-LENGTH:

53.5

WIDTH:

40.2

NOTCH LENGTH:

53.1

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

57.5

WIDTH:

49.0

HEAD WIDTH:

8.7

SEX: MALE, FEMALE OR UNDETERMINED

PPS: YES OR NO OR NE

~~YES~~ NO

TAIL LENGTH:

T 13

C

8

RIGHT FRONT FLIPPER WIDTH:

9.4

SAMPLES COLLECTED

PLASTRON LENGTH:

43.6

WEIGHT:

49 lb

DESCRIPTIVE REMARKS:

BLOOD COLLECTED FOR ^{VIRUS} ~~CONTOUR~~ and
2mm SKIN BIOPSIES LH & RH for Jim Casey

18

SEA TURTLE TAGGING FORM

PUAKO #17

(CONFIRMED)

221A732122

CAPTURE DATE, LOCATION AND METHOD:

END NEW PIT TAG →



06/06/96

PUAKO #24 NEAR SHORE

HAND SCUBA

PERSON RECORDING DATA: ALLISON BEALE

OLD TAGS:

Empty boxes for old tags

NEW TAGS: RFL

Q549

LFL

Q548

TUMOR SCORE

0

OTHER NEW TAGS:

RH Q550

STRAIGHT CARAPACE-LENGTH:

45.0

WIDTH:

35.7

NOTCH LENGTH:

44.6

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

48.0

WIDTH:

42.5

HEAD WIDTH:

7.7

SEX: MALE, FEMALE OR UNDETERMINED

Empty box for sex

PPS: YES OR NO OR NE

YES

TAIL LENGTH: T

11

C

7

RIGHT FRONT FLIPPER WIDTH:

8.3

SAMPLES COLLECTED:

PLASTRON LENGTH:

36.3

WEIGHT:

26 lb

DESCRIPTIVE REMARKS:

Empty box for descriptive remarks

BLOOD COLLECTED FOR CONTROLLING of VIRUS and 2x 6mm SKIN BIOPSIES LHA RH for Jim Casey

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

PERSON RECORDING DATA:	

OLD TAGS:

NEW TAGS: RFL

LFL

TUMOR SCORE

--

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH:

--

WIDTH:

--

NOTCH LENGTH:

--

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

--

WIDTH:

--

HEAD WIDTH:

--

SEX: MALE, FEMALE OR UNDETERMINED

--

PPS: YES OR NO OR NE

--

TAIL LENGTH:

T

--

C

--

RIGHT FRONT FLIPPER WIDTH:

--

SAMPLES COLLECTED:

PLASTRON LENGTH:

--

WEIGHT:

--

DESCRIPTIVE REMARKS:

--

Date: Wed, 18 Sep 1996 08:21:12 -1000
From: Marc Rice <mrice@hpa.edu>
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: George: buoyant epoxy

George,
Hope your presentation goes well today. I observed #28 at PBR 24 yesterday at 0900 hours so it is still around. 97 was not available! Below is a note from Bobbie Sullivan:

16 Sep 96
Hi Marc -

If you see a gap in your turtle dive data for the past 2 mornings, we know why. We saw the turtle with the box on the RIGHT side grazing in the shallows for quite awhile yesterday morning (15 Sep 96 @ 09:48AM). We saw it as we were wading into the water in front of house #40. It was with two other turtles, all munching away on that brownish mossy limu that covers rocks in the shallows (don't know what it's called). The water there was about waist high on us -- about 1 m? We watched for a bit then did our dive. When we waded back out of the water at 10:15AM we noticed that subject turtle was still in the same area, -- still munching away -- but its two buddies had left. Water temp, by the way, was 28C.

Today, Sep 16, we saw the same turtle grazing in almost the same spot at about 12:15PM. Don't know how long it had been there. We watched from the shoreline rocks for about 10 min. It was still there when we left. Water temp in the shallows today at that time was 29C.

Seems that the rascal may be invading other pastures on occasion.

When are you available to come on over and ~~do the~~ TDRs at Puako?

Marc

Marc R. Rice, Assistant Headmaster
Hawaii Preparatory Academy
P.O. Box 428
Kamuela, Hawaii 96743
mrice@hpa.edu

L.O.

LENGTH:

WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

) OR NE

T

C

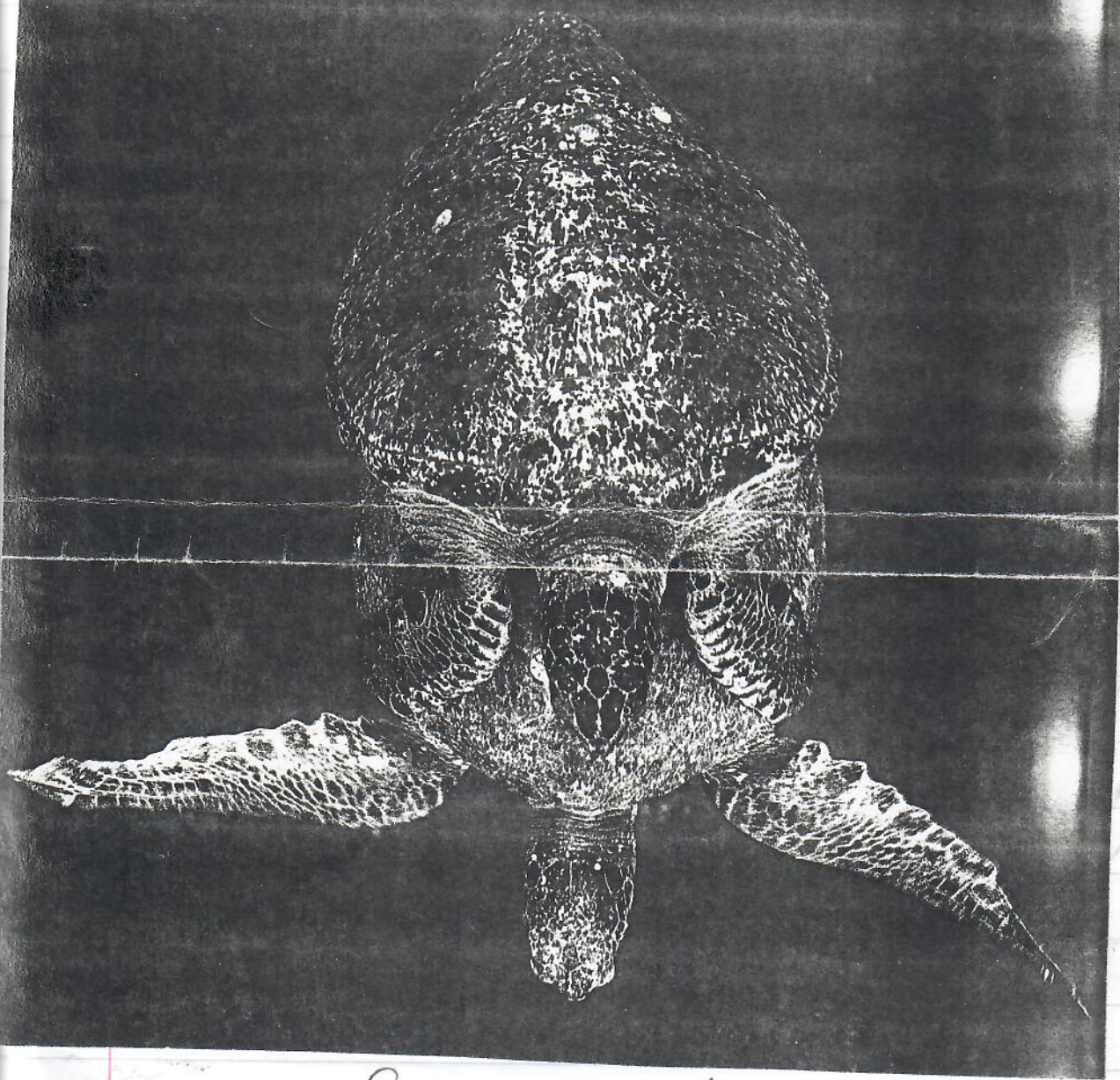
FRC.

IPPER WIDTH:

SAMPLES CC LECTED

ON LEI H:

FIVE REMARKS:



from Nat. Geographic Magazine
East Pacific greens

Tagging summary from Keawa Nui Bay | Keawa Nui, South Kohala | Mauna Lani
 during ~~01/01/90 - 11/25/94~~

6/91 - 5/94 (54 entries/
 turtles)

54 turtles
 LISTED HERE

National Marine Fisheries Service
 2570 Dole Street
 Honolulu Hawaii 96822-22396

11/28/94

11/29/94

11/29/94

11/29/94

Tag Nos.	Date	Carapace Length (cm)		Weight (lbs)	Captured Method
		Straight	Curved		
N881, N882, N883	06/10/91	---	60.0	---	Throw Net
27433146 (09/24/93), K750 (05/19/94), N884, N885, N886	07/05/91	66.6	71.0	94.0	Net
2A572835 (09/24/93), N887, N888, N889	07/05/91	56.2	60.0	56.0	Net
N890, N891, N892	07/05/91	60.9	65.0	71.0	Net
27520167 (09/24/93), N893, N894, N895	07/05/91	46.4	49.5	34.0	Net
N896, N897, N898	07/05/91	58.4	61.5	63.0	Net
N899, N900	07/05/91	39.5	42.0	19.0	Net
7D2A037D (04/21/93), V58, V59, V60	07/05/91	56.8	60.0	55.0	Net
V61, V62, V63	07/05/91	50.5	54.0	40.0	Net
V511, V512, V513	10/07/91	61.6	65.5	71.0	Net

from Pacific Ocean
 Geographic Information

--Continued

2

Tag Nos.	Date	Carapace Length (cm)		Weight (lbs)	Captured Method
		Straight	Curved		
26476E06 (05/19/94), H151, H152, H153, J29 (06/15/93), K740 (05/19/94)	03/18/92	38.5	41.0	19.0	Hand/Snorkel
H154, H155, H156	03/18/92	50.0	53.0	42.0	Hand/Snorkel
H157, H158, H159	03/18/92	44.0	46.5	28.0	Hand/Snorkel
7D162236 (04/21/93), H160, H161, H162	03/18/92	60.0	64.0	59.0	Hand/Snorkel
R505, R506, R507	10/08/92	52.7	55.5	44.0	Net
7D0F5507 (04/21/93), K953 (06/17/94), R508, R509, R510	10/08/92	51.7	54.5	39.0	Hand/Snorkel
2B290904 (09/24/93), K952 (06/17/94), R511, R512, R513	10/08/92	57.9	61.5	58.0	Hand/Snorkel
R516, R517, R518, R542 (10/30/92)	10/08/92	62.9	67.0	75.0	Hand/Snorkel
R519, R520, R521	10/08/92	63.0	67.5	66.0	Hand/Snorkel
R522, R523, R524, R525	10/08/92	53.6	57.0	48.0	Hand/Snorkel
R526, R527, R528	10/08/92	40.1	42.5	19.0	Hand/Snorkel
R533, R534, R535	10/30/92	43.3	46.0	24.0	Net
R536, R537, R538	10/30/92	59.4	63.5	68.0	Hand/Scuba

--Continued

3

Tag Nos.	Date	Carapace Length (cm)		Weight (lbs)	Captured Method
		Straight	Curved		
2A732321 (09/24/93), R539, R540, R541	10/30/92	54.1	57.5	47.0	Hand/Scuba
R543, R544, R545	10/30/92	61.8	66.5	55.0	Hand/Scuba
R546, R547, R548	10/30/92	68.6	73.4	95.0	Hand/Scuba
7D0F510F (04/21/93), R549, R550, R551	10/30/92	51.2	55.5	41.0	Hand/Scuba
R552, R553, R554	10/30/92	49.0	52.5	36.0	Hand/Scuba
R555, R556, R557	10/30/92	46.5	49.5	30.0	Hand/Scuba
R741, R742, R743	01/15/93	45.4	47.5	27.0	Hand/Scuba
2A5F4315 (09/24/93), R744, R745, R746	01/15/93	43.8	46.0	25.0	Hand/Scuba
R100, R801	04/21/93	37.8	40.0	13.0	Hand/Snorkel
7F4F2534, R802, R803, R804	04/21/93	41.0	43.0	20.0	Hand/Snorkel
7F591B6D, K954 (06/17/94), R805, R806, R807	04/21/93	52.1	55.0	36.0	Hand/Scuba
7F5B066B, R808, R809, R810	04/21/93	62.3	67.5	70.0	Hand/Scuba
7F501B41, K745 (05/19/94), R811, R812, R813	04/21/93	52.8	57.0	42.0	Hand/Snorkel
7D1F4F7D, R94, R95, R96	04/21/93	64.6	69.5	78.0	Net

--Continued

Tag Nos.	Date	Carapace Length (cm)		Weight (lbs)	Captured Method
		Straight	Curved		
7D0A6A4E, K739 (05/19/94), R97, R98, R99	04/21/93	44.1	48.0	24.0	Net
7D2A2371, R843, R844, R845	05/04/93	45.3	48.5	30.0	Hand/Scuba
7F4A0059, R846, R847, R848	05/04/93	40.7	43.5	20.0	Hand/Scuba
7D0A0E24, R849, R850, R851	05/04/93	57.4	62.5	56.0	Hand/Scuba
2A720144 (06/17/94), J121, J122, J123, K955 (06/17/94)	06/15/93	48.5	52.0	34.0	Beach Net
27446F07 (09/24/93), J22, J23, J24, K751 (05/19/94)	06/15/93	56.1	60.0	47.0	Hand/Scuba
J26, J27, J28	06/15/93	42.4	45.0	21.0	Hand/Scuba
27511455, K83, K84, K85	09/24/93	57.3	60.5	53.0	Net
2A720D38, K86, K87, K88	09/24/93	39.9	42.0	20.0	Net
272B7E11, K89, K90, K91	09/24/93	54.5	56.5	49.0	Hand/Scuba
27453144, K92, K93, K94	09/24/93	38.2	40.0	17.0	Hand/Scuba
2A7C5F5C, K96, K97, K98	09/24/93	45.2	48.0	26.0	Hand/Scuba

--Continued

5

Tag Nos.	Date	Carapace Length (cm)		Weight (lbs)	Captured Method
		Straight	Curved		
2A61173F (06/17/94), K735, K736, K737, K738	05/19/94	61.3	65.0	67.0	Hand/Scuba
K741, K742, K743, K744	05/19/94	53.9	58.0	45.0	Hand/Scuba
26474232, K746, K747, K748, K749	05/19/94	45.5	48.0	29.0	Hand/Scuba
K752, K753, K754, K755	05/19/94	54.2	58.0	37.0	Throw Net
273A067A, K756, K757, K758, K759	05/19/94	43.4	45.5	25.0	Hand/Scuba

05/19/94

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
11021	04/14/92	I681	R12
11023	04/14/92	I681	L12
7D231060	05/04/93	PIT	PIT
B137	01/18/95	I681	LHF
R821	05/04/93	I681	RHF

Historical information--

Date	Encounter	Location	Type of Encounter	Tumor Score
04/14/92	Near Shore	Hawaii, Mauna Lani, Captivity	Near Shore	0
07/04/92	Near Shore	Hawaii, Mauna Lani	Near Shore	0
05/04/93	Near Shore	Hawaii, Puako	Near Shore	0
01/18/95	Near Shore	Hawaii, Puako	Near Shore	0

Straight Length	Since Last Encounter		Overall	
	Interval Month	Year	Interval Month	Year
---	---	---	---	---
35.7	2	0.2	2	0.2
36.0	10	0.8	12	1.0
39.9	20	1.7	33	2.8

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
10639	02/19/91	I681	L23
10640	02/19/91	I681	R23
2739704	01/18/95	PIT	PIT
B135	01/18/95	I681	LHF
B136	01/18/95	I681	RHF

Historical information--
type of

Date	Encounter	Location	Tumor Score	Straight Length	Since Last Encounter		Overall	
					Interval Month	Growth-rates Year cm/yr	Interval Month	Growth-rates Year cm/yr
02/19/91	Near Shore	Hawaii, Mauna Lani, Captivity	0	---	---	---	---	---
07/04/91	Near Shore	Hawaii, Mauna Lani, Captivity	0	27.3	4	0.3	4	0.3
07/04/92	Near Shore	Hawaii, Mauna Lani	0	35.1	12	1.0	16	1.3
01/18/95	Near Shore	Hawaii, Puako	0	40.2	30	2.5	46	3.8

Date: Sat, 8 Jun 1996 06:33:53 -1000
 From: Marc Rice <mrice@hpa.edu>
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: Re: Puako success!

George,
 Thanks for a great trip. I have been so busy with my bevy of beauties that I haven't even had time to write you a thank you note. The kids enjoyed the experience and, as usual, you were wonderful to them. They learned a great deal...

I have begun to crunch the numbers- some 250+ pages worth or 40,000 lines of data! The first thing that comes out is that for some 30+ hours right after the tagging, GW went out and remained at a depth of 6.5 meters with about hourly trips to the surface (this is rough). Subsequently, it seemed to spend the majority of its time in the shallows with a few hours each day being spend out at the 6.5 meter depth. Just first impressions as I walked through the data. I have one of my computer people converting the data so that we can crunch it more easily.

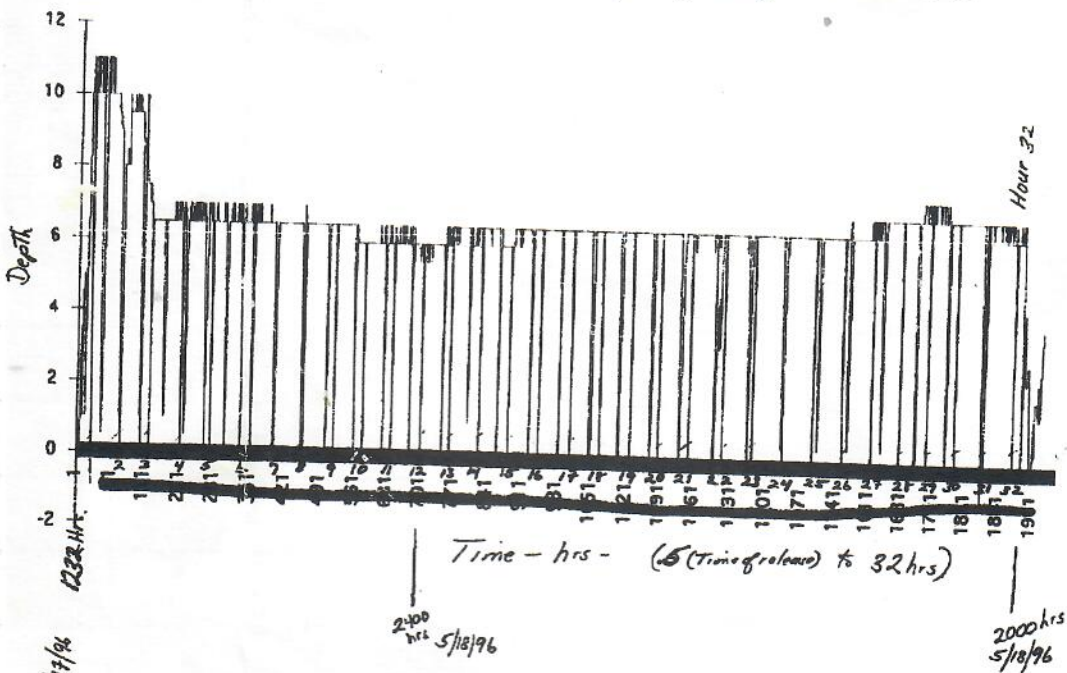
Thanks again and I will wait to hear from you on the various projects you have in mind for the summer- Mauna Lani, Punalu'u, etc. Deployment of the second MK5 could happen at any time- you name it. I will have a group of marine biology students after the 15th so we can have some help with a tagging trip if we need it.

I will fax you some graphs as I produce them on the data. In fact, I will try and send the first 31 hours or so over so that you can take a look. It is very rough but interesting.

Best,
 Marc

5/17/96 after release

GW was released at ~ 1230 on 5/17/96 and proceeded to a depth of 10-10.5 m for 1.75 hrs then moved to a depth of 6-6.5 meters and remained there for the next 30 hrs, surfacing every 30 min to 1 hrs.



Date: Sun, 09 Jun 1996 19:20:43 -0800
From: DENNIS J RUSSEL <JFDJR@acad1.alaska.edu>
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Re: Turtle algae samples

Dear George, It was good to get an E-mail message from you. I believe I wrote to you about four years ago about this Pterocladia / Gelidium ID. I spoke to the expert on these genera, Bernabe Santelese because I wanted vegetative criteria to separate these two genera. He told me two things at that time 1) he told me to lump all Gelidium and Pterocladia together as Pterocladia capillacea because after working on them for 20 years he could not tell them apart, 2) he told me that someone else was working on these genera and was about to scrap both names and put them all together under a new genus name.

----The separation of the genera in 1970 - 80's was based on whether there were two or just one opening out of the cystocarps. The algae are seldom fertile and only once in the entire time I've been identifying algae for you have I found female thalli, and their cystocarps had disintegrated.

----I was identifying Gelidium as a smaller, more fine thallus, turf builder, with many fine terete parts (wire-like connections) and Pterocladia as a larger, coarser thallus, turf builder or not, with few or no terete parts, and more highly branched, bushy thallus.

----I can continue doing this, but there is no guarantee at all that this is distinguishing anything but growth forms of a group of algae that is not very well known. That was "growth forms" in the sentence above. The two genera have thalli that blend from one form into the other. Bernabe was not encouraging at all when it comes to distinguishing the species based on vegetative features alone.... therefore, I put Gelidium into Pterocladia from that point on, also, the species are even more difficult to defend, thus P. capillacea is used most often as it has been the predominant species in Hawaii.

----The duplicates of slides I took from China are coming your way soon, two prints from Beijing Zoo and two slides from Qingdao. There was an aquarium in Qingdao that had a large Green Turtle in a tiny pond, but the picture I took between my Microbiology and Vascular Plants of Southeast Alaska courses. They both will be finished soon.

----I hope this Pterocladia thing isn't fouling things up! Even with a good handful of red stuff, it will need to have fertile material present or I can not even use the old system to say for sure what it is, but if it is robust

it will probably be Pterocladia capillacea. If it is tiny and matted it may be Gelidium or Pterocladia -- by the old system, it depends on the number of openings out of the swollen portions near the thallus branch tips.

----Perhaps I can call or write to a few phycologists and see if anyone has cleared-up these genera for Hawaii yet. If they have, I can bet they require fertile material for a positive ID. We will see.... Aloha, Dennis

DATE: <u>6/9/96</u>	TIME: _____
FROM: <u>Marc Rice</u> FAX Number (808) 885-8203	DEPT: _____
TO: <u>George Balazs</u>	
COMPANY/SCHOOL: <u>NMFS</u>	
CITY, STATE: _____	
FAX NUMBER: <u>1 808 943 1290</u>	
NUMBER OF PAGES (INCLUDING COVER SHEET) TRANSMITTED: _____	
MESSAGE: <u>A rough graph of the first 32 hrs. Post tagging behavior? A long stint w/o feeding.</u>	

[28] From: Shawn Koga 11/23/94 3:00PM (1571 bytes: 22 ln)
 To: George Balazs
 Subject: Jamie Perry

----- Message Contents -----

Isn't how odd that we were just talking about her the other week. Anyways she just called and said that she saw 34 turtles at Kahaluu yesterday. She spotted a tagged turtle that had a blue plastic tag with a new "N" tag, too. She can't remember the number. She doesn't think it's the turtle that she's always been seeing. She'll be sending an album of photos she took when she went out with you at Kahaluu.

She's also been to Punaluu and has seen lots of turtles. She also has been to Honaunau. She saw 7-8 turtles the time she went kayaking there. She said she sees lots of "shelving" where the turtles rest.

She's been away from July-October on the Mainland.

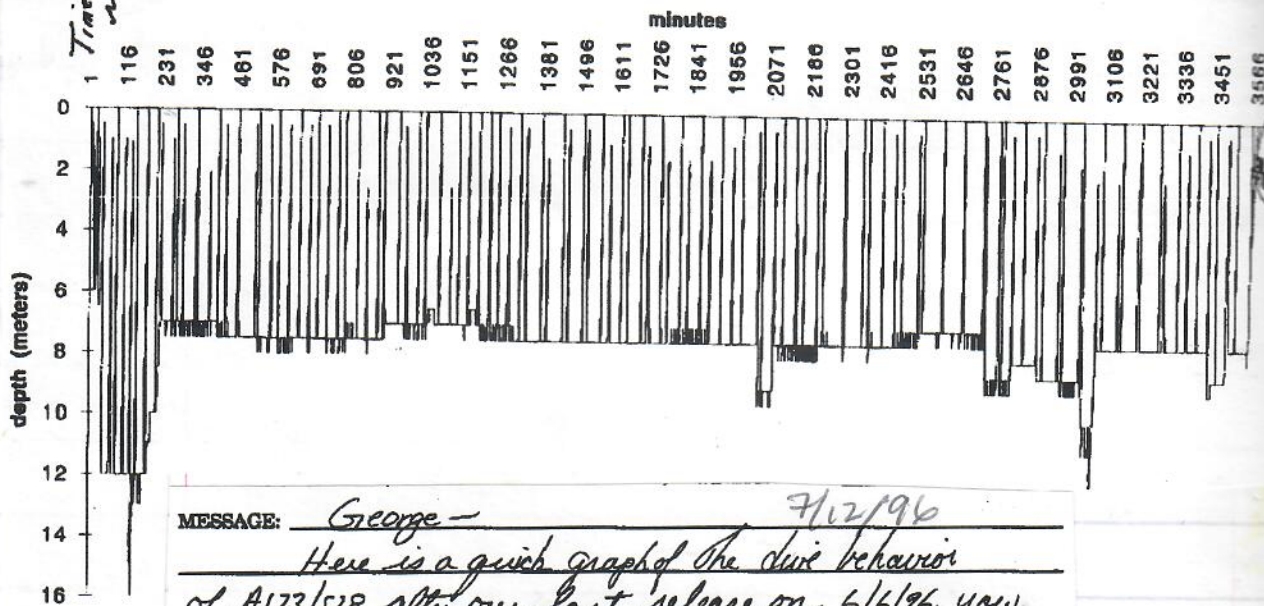
She would like you to call her when you have a chance. She would like to meet with you so that she can give you the things you had asked for.

She was also wondering where she could purchase an underwater slate where she could write the tag numbers that she sees. I told her I would ask you if you knew of any place that sells these things. She said she's been to a few dive shops with no luck.

Anyways....she would love to hear from you.

929-9741

Figure 1. Post release dive behavior- this guy remained at depth for approximately 2.5 days (3,500 minutes) without an extended foray into shallow water !



MESSAGE: George - 7/12/96
 Here is a quick graph of the dive behavior of A123/528 after our last release on 6/6/96. you can see it stays out at depth for ~ 2.5 days before there is any extended period spent in shallow water. - I feel this portion of the data should not be considered normal behavior - what do you think?

> 12 noon
 low tide
 11/22/94
 ACC 39
 By late con --
 feeding

SEA TURTLE NECROPSY/TUMOR FORM

NECROPSY DATE: 06/11/96 STRANDING ID, DATE AND LOCATION:

MARC RICE (HPA) **4/3196** ~~ALAN BROWN~~
 (MR BROWN'S RESIDENCE)
 PERSON RECORDING DATA: GELMECIES: HAWAII

DESCRIPTIVE REMARKS:
 Advanced decomposition
 Tail missing, possibly from decomposition
 Possible spear hole on neck (ventral), 2cm diameter
~~Masses~~ growing in LFF, RFF, LHF, RHF tags
 Very little fat
 G.I.T. 40% full
 NAME: ~~ALAN BROWN~~ ^{3 shore property at} KEAWAIKI BAY (South of "A" Bay, North of Kiholo)

Bi-values

TAGS: LFF H270 SEX: MALE, FEMALE OR UNDETERMINED M
 RFF H271 DB: 0 VB: 0
 LHF V222
 RHF V221

Orig TAGS 4/22/92 Recapt Kiholo 9/23/92 3/3/95

STRAIGHT CARAPACE-LENGTH: 38.71 WIDTH: 30.8
 NOTCH LENGTH: 38.5 PPS (Y/N): Y
 CURVED CARAPACE LENGTH: 41.0 WIDTH: 37.0
 HEAD WIDTH: 6.3
 TAIL LENGTH: T - c -
 RIGHT FRONT FLIPPER WIDTH: 6.4 humeri + tags
 PLASTRON LENGTH: ~~31.4~~ 31.4 Forestomach contents
 Intestinal contents
 WEIGHT: 14.0 # Stomach contents

Date: Sun, 18 Aug 1996 22:51:46 -1000
 From: mrice@hpa.edu
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: Re: hawksbill sat. tel.

George,
 Went to Puako and checked the little rascals today around 1200 hrs. Two animals were out basking and #97 was in the area to the right of the public access feeding in the shallows. No sign of 28 but the tide was quite low.
 Don't know what Cindy was referring to, but it appears that the number of turtles in the shallows was normal and basking seems to be happening as usual. I spoke with a guy on Friday down at PBR 24 when I was checking the turtles and he said that he saw two turtles out of the water (basking). He thought there was something wrong with them and he went out and "helped" them back into the water- I did let him know that it was unnecessary to do that - If our signs had been up he may have known better....

Best,
 Marc

Keawanui

Keawanui R519
10/8/92 R520 SCL=63.0
R521

Resight 1/23/95
USA - KALOKO

Keawanui recap. 10/30/92 - 62.9
Keawanui recap 6/15/93 63.2

Hi, George,
On 1/23/95
read-tag - LF - R519 at -
RF - R520

ORIG. TAGGED
KEAWANUI

1/25/95

(where else ???) Turtle Towers
Action (or lack of it!!) has been
excellent there. Happy New Year!

Sham - Recover here
TDPB. KALOKO Lisa Kerotul
return to me
please

June 19, 1996

Dear Steve,

Thank you for the detailed account
of the real turtle "expectations" of
May 17th. Baine and I are de-
lighted to hear first-hand of the
activities and are very happy
that you could use the word. I
repeat our invitation to use
the area whenever there are no
guests present or if guests don't
mind. I'd think anyone who
stays there would be fascinated
by such activity.

I'll be arriving next week for
about a month and Baine will join
me - work permitting - in July.
I'll give a call to say hello and
catch up with the sugar shakers.
Again, thank you for your letter.

Best regards!
Cindy Carlisle

Useful Information

MULTIPLICATION TABLE

1	2	3	4	5	6	7	8	9
2	4	6	8	10	12	14	16	18
3	6	9	12	15	18	21	24	27
4	8	12	16	20	24	28	32	36
5	10	15	20	25	30	35	40	45
6	12	18	24	30	36	42	48	54
7	14	21	28	35	42	49	56	63
8	16	24	32	40	48	56	64	72
9	18	27	36	45	54	63	72	81
10	20	30	40	50	60	70	80	90
11	22	33	44	55	66	77	88	99
12	24	36	48	60	72	84	96	108

Table of Time Measure

60 seconds	= 1 minute
60 minutes	= 1 hour
24 hours	= 1 day
7 days	= 1 week
30 days	= 1 calendar month
12 months	= 1 year
365 days	= 1 common year
366 days	= 1 leap year
100 years	= 1 century

Table of Dry Measure

2 pints (pt.)	= 1 quart (qt.)
8 quarts	= 1 peck (pk.)
4 pecks	= 1 bushel (bu.)
1 cord	= 128 cu. ft.

Table of Liquid Measure

4 gills (gi.)	= 1 pint (pt.)
2 pints	= 1 quart (qt.)
4 quarts	= 1 gallon (gal.)
31 1/2 gallons	= 1 barrel (bb.)
2 barrels	= hogshead (hhd.)

Table of Paper Measure

24 sheets	= 1 quire
20 quires	= 1 ream
10 reams	= 1 bale

Table of Linear Measure

12 inches	= 1 foot
3 feet	= 1 yard
16 1/2 ft. (5 1/2 yds.)	= 1 rod
660 feet	= 1 furlong
320 rods (5280 ft.)	= 1 mile

Miscellaneous Measures

12 units	= 1 dozen
12 doz.	= 1 gross
12 gr.	= 1 great gross
20 units	= 1 score
1 hand	= 4 inches
1 fathom	= 6 feet
1 knot	= 6086 feet
3 knots	= 1 league
1 bu. potatoes	= 60 lbs.
1 barrel flour	= 196 lbs.
1 cu. ft. of water	= 7.48 liquid gals. and weighs 62.425 lbs.
Diameter of circle x 3.1416 = circumference	
Diameter of circle squared x .7854 = area.	
Atmospheric pressure is 14.7 lbs. per sq. in. at sea level.	
13 1/2 cu. ft. of air weighs 1 lb.	

Table of C

1728 cubic inch	= 27 cubic feet
128 cubic feet	= 24 1/2 cubic feet
NOTE - A cord	= 128 cubic feet
feet long, 4 feet	= 1 perch of 1 foot long, 1 1/2 high.

Table of

16 drams	= 1 ounce
16 ounces	= 1 pound
100 pounds	= 2000 pounds
2240 pounds	= 2000 pounds

Table of

24 grains (gr.)	= 1 pennyweight
20 pennyweight	= 12 ounces

Table of C

60 seconds	= 1 minute
60 minutes	= 1 hour
360 degrees	= 1 degree of a meridian
640 equator.	= 1 equator.

Table of Apothecaries Weight

20 grains (gr.)	= 1 scruple (℥)
3 scruples	= 1 dram (ʒ)
8 drams	= 1 ounce (℥)
12 ounces	= 1 pound (lb.)

Table of Surface Measure

144 sq. in.	= 1 sq. ft.
9 sq. ft.	= 1 sq. yd.
30 1/4 sq. yds.	= 1 sq. rod
160 sq. rods	= 1 acre
640 acres	= 1 sq. mile
An acre measures 208.71 ft. on each side.	
A section of land is 1 sq. mile.	
A quarter section is 160 acres.	
A township is 36 sq. miles.	

CONVERSION TABLES

7-09-96

George Balay
2570 Ode St.

Honolulu HI 96822-2396

Leon A. Thevenin
104 Puka Beach Drive
H.C.R. #1
Kamuela, HI 96743

Turtles at Puka : S. Kohala

We have observed many cases of harassment of these endangered species. By Dogs, humans and yesterday some child who stole the shell of one basking in the Sun.

Therefore, please consider posting signs on the 9 Beach rights of way to alert the public of this endangered species Turtle.

No harassment, do not go within 20 feet, keep pets away and caution children of the rules. Better Enforcement is badly needed.

I tried to get the State Resources enforcement agency to do this but they claim County Beach access roads are not in their jurisdiction (Hilo office). I was stunned in disbelief. Beach passing personified!

On several occasions I have personally admonished those who fail to use common sense.

As there are posts in place. Leon A. Thevenin

1,000.00 35.274 2.205

KILOGRAMS	OUNCES	POUNDS
1.000	35.274	2.205
.028	1.000	1/16
.454	16.000	1.000

LITERS	PINTS	QUARTS	GAL.
1.000	2.113	1.057	.264
.473	1.000	1/2	1/8
.946	2.000	1.000	1/4
3.785	8.000	4.000	1.000

ACTILLES = HA473XF

1946



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