

GEORGE BALAZS KIHOLE

HHA #11
24-26 OCT 90

PUAKO #2
16-17 JAN 91

PUAKO #3 6 FEB 91

PUAKO #4 21 MARCH 91

(PUAKO #5 10 JUNE 91

+ KEAWANUI #1

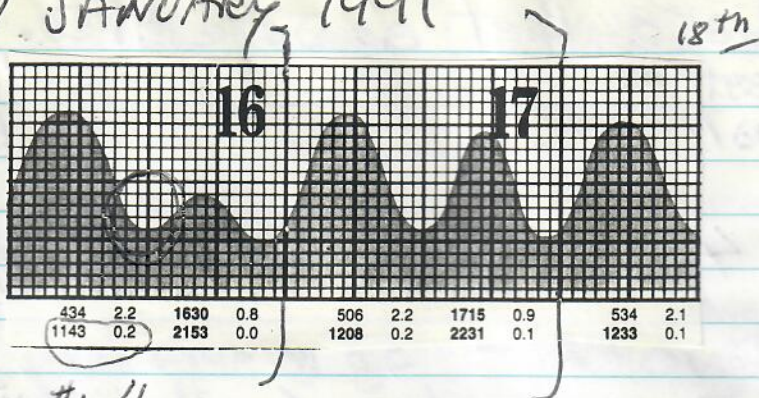
KEAWANUI #2 5 JULY 91

2 OF 2

Are you a caregiver for a child with a sibling with a disability?

PUAKO #2

16-17 JANUARY, 1991



Dive #1 4 captured

Dive #2 7 captured

Wednesday
16 JAN 91

Depart Aloha FL 88 6:40am for kona
Budget conf. #6993328 (#6,999)

HPA boat # = HA 274 YB "Kamakani"

OBJECTIVE = Census by dive time, area covered,
no. of turtles, size breakdown, presence of
tumors, presence of tags, behavior,
presence of injury or other.

- swimming
- resting
- Groom
- feeding

Arrive Puako boat ramp ~9am -

1. Glen
2. Laura Rice
3. Amanda Roth
4. Kevin
5. Marc Rice

Motored to same anchor site off

16 JANUARY 91 PUAKO

Puako Reef as June 1990. Covered same reef front drop off ~ 10' TO 30-40' "wall" Dive #1 - 50 minutes long, 9:30-10:30am maximum depth 42'.

4 turtles captured; max. 7 others seen. NONE w/tags appear
Linear continuation

Dive #2 - 55 minutes long, max. 40' depth
7 captured, 6 others seen - None w/tags
1:30 - 2:30 pm

3 of 11 turtles caught "Crusin"
7 caught in recesses, ledges, mainly at the end (landward end) of Canyon - Dark shaded - hard to view into.

Crown-of-thorns seen - ~ 6 total without searching

Larger diameter Osborne punch used on all turtles L35 when applying blue Rototag Dalton

- Aggregation buoy seen.

plankton in water

weed - Dne Right off Ramp

ARTIST Hilo or? Monica
Carry Turtle brochures

Boundary of study area:

17 JANUARY 91

Address

Fence

Houses on both sides in front of stone wall - in beach wash area

71

102 - The Adams; South side of Puko Beach Rd. right of way north to

78 across from Catholic Church Right of way

68 "Hindle"

56 Right of way - Napaka - Cooks idea for launch

3 Puko Beach Condo

Hoku Loa Church founded 1858 (just after Boat Ramp)

Drove to Maunalani and met Karella Akaka and discussed turtles for ~ 2 hours.

Need-

1. Jason throw-net to dog off Maunalani
2. Call Leilani Hino re: return and release of graft marked - 3 lat. left in center - turtles in fish ponds - inconsistency of "independence day" turtles.
3. Send Akaka literature and buttons. Check w/William re: 1989 photo of throw net person getting letter about photo taken.

NOTE - School children visit Hotel - Turtles tops on interest list. Nest shunks, then soda they give out. Kids tell parts, who themselves may be taking turtles.

Nathan Ortega Canadian Tourist

Contradiction
Hypocritical
6 throws

Scanner
77°F

SEA TURTLE TAGGING FORM

50 minutes
42' depth
max

CAPTURE DATE, LOCATION AND METHOD:

①

1-16-91 Puzko Scuba - Hand

PERSON RECORDING DATA:

LAURA RICE

9:30 - 10:30
"Cruising"

OLD TAGS:

NEW TAGS: RFL

N-601

LFL

N-602

OTHER
NEW
TAGS:

(L35) 7231

STRAIGHT CARAPACE-LENGTH:

46.9 cm

WIDTH:

36.7 cm

NOTCH LENGTH:

46.5 cm

CURVED CARAPACE LENGTH:

50 cm

WIDTH:

43 cm

HEAD WIDTH:

7.3 cm

SEX: MALE, FEMALE OR
UNDETERMINED

u

TAIL LENGTH: T

11 cm

c

8.0 cm

RIGHT FRONT FLIPPER WIDTH:

8.0 cm

SAMPLES COLLECTED

Stomach fl.

PLASTRON LENGTH:

37.7 cm

algae collected

WEIGHT:

37 lbs.

Gelidium?

DESCRIPTIVE REMARKS:

S.m. barns. P.C.A.
Skin barns - many gone w/ pigmented patch

NP. → Left 4th & 5th marginal scutes
injured & indented considerably

7 ulcerated spots 5mm on dorsal neck

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

② 1-16-91 Puako Scuba-Dive 9:30-10:30 a.m.

PERSON RECORDING DATA: Laura Rice

"relaxing"
Resting

OLD TAGS:

NEW TAGS:

RFL

N-603

LFL

N-604

OTHER
NEW
TAGS:

(RHL) N-605

(L35) 232

STRAIGHT CARAPACE-LENGTH:

58.9

WIDTH:

45.3

NOTCH LENGTH:

58.8

CURVED CARAPACE LENGTH:

62.5

WIDTH:

54.0

HEAD WIDTH:

8.7

SEX: MALE, FEMALE OR
UNDETERMINED

u

TAIL LENGTH: T

14.0

C

9.5

RIGHT FRONT FLIPPER WIDTH:

10.2

SAMPLES COLLECTED:

PLASTRON LENGTH:

47.3

WEIGHT:

65.0 lbs.

DESCRIPTIVE REMARKS:

N.P. skin barns; P.C.A.; S.M. barns

Seen "Tog # 232 Blue Color"

7/1/92 North end of Hoiana Beach

Turtle swimming with 6 other turtles"

Dwight Hamilton 959-4136

0830

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

③ 1/16/91 Puako Scuba hand "resting" 9:30-10:30 am

PERSON RECORDING DATA: Laura Rice

OLD TAGS:

NEW TAGS: RFL

N-607

LFL

N-608

OTHER
NEW
TAGS:

(RHL) N-606

(L35) Z233

STRAIGHT CARAPACE-LENGTH:

61.8

WIDTH:

48.7

NOTCH LENGTH:

61.6

CURVED CARAPACE LENGTH:

67.5

WIDTH:

61.0

HEAD WIDTH:

9.6

SEX: MALE, FEMALE OR
UNDETERMINED

u

TAIL LENGTH: T

15.0

c

10.5

RIGHT FRONT FLIPPER WIDTH:

11.4

SAMPLES COLLECTED:

PLASTRON LENGTH:

49.7

WEIGHT:

85 lbs.

DESCRIPTIVE REMARKS:

slight
Slimy green algae P

SCA - small patch
SKIN BURNS

left eye injured - small
hematoma. Also left FF tip
bloody. From capture struggle

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

④ 1-16-91 Puako Scuba-hand "resting" 50 minutes
9:30-10:30 a.m.
PERSON RECORDING DATA: Laura Rice

OLD TAGS: [] NEW TAGS: RFL N-610
LFL N-611
OTHER NEW TAGS: (RHL) N-609
(L35) 7234

Seen by
Marc Rice
7/12/91
Near "cleaning"
pinnacle - Puako

STRAIGHT CARAPACE-LENGTH: 59.9 WIDTH: 45.8

NOTCH LENGTH: 59.7

CURVED CARAPACE LENGTH: 64.0 WIDTH: 55.0

HEAD WIDTH: 8.9 SEX: MALE, FEMALE OR UNDETERMINED u

TAIL LENGTH: T 16.0 C 12.5

RIGHT FRONT FLIPPER WIDTH: 10.9 SAMPLES COLLECTED: []

PLASTRON LENGTH: 45.8 []

WEIGHT: 71.0 []

DESCRIPTIVE REMARKS:

n.p.; p.c.a.
Slight skin barns
only scars from Stephanolepis barns

~~START~~
DIVE 2 1-16-91

Puako

7 turtles captured

"5 resting" "2 flying"

SEA TURTLE TAGGING FORM

40' max depth
55 MINUTES

CAPTURE DATE, LOCATION AND METHOD:

①

Dive 2	1-16-91	Puako	55
PERSON RECORDING DATA: AMANDA ROTH			1:30-2:30pm

OLD TAGS:

NEW TAGS: RFL

N613

LFL

N614

OTHER NEW TAGS:

RHF N612

135 7235

STRAIGHT CARAPACE-LENGTH:

57.4

WIDTH:

44.6

NOTCH LENGTH:

57.2

CURVED CARAPACE LENGTH:

61

WIDTH:

53.5

HEAD WIDTH:

8.8

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH: T

13

c

9.5

RIGHT FRONT FLIPPER WIDTH:

10.3

SAMPLES COLLECTED:

PLASTRON LENGTH:

45.4

WEIGHT:

60 P

DESCRIPTIVE REMARKS:

P skin barns. SCA, SB, BB.

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

② Dve 2 1-16-91 PUAIKO 55 minutes
1:30-2:30

PERSON RECORDING DATA: Amanda Roth

OLD TAGS:

NEW TAGS: RFL

N616

LFL

N617

OTHER
NEW
TAGS:

RHF N615

R35 Z236

STRAIGHT CARAPACE-LENGTH:

52.5

WIDTH:

40.2

NOTCH LENGTH:

52.3

CURVED CARAPACE LENGTH:

56

WIDTH:

49

HEAD WIDTH:

8.2

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

11.5

C

7.5

RIGHT FRONT FLIPPER WIDTH:

8.9

SAMPLES COLLECTED:

PLASTRON LENGTH:

42.6

WEIGHT:

46

DESCRIPTIVE REMARKS:

BB SB crescent shape piece
missing RHF healed NP PCA

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

(3) DIVE 2 1-16-91 PUAKO 1:30-2:30

PERSON RECORDING DATA: Amanda Roth

OLD TAGS:

NEW TAGS: RFL

N619

LFL

N620

OTHER
NEW
TAGS:

RHF N618

LBS Z237

STRAIGHT CARAPACE-LENGTH:

53

WIDTH:

41.2

NOTCH LENGTH:

52.7

CURVED CARAPACE LENGTH:

56

WIDTH:

48.5

HEAD WIDTH:

8.3

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

12.5

C

8.5

RIGHT FRONT FLIPPER WIDTH:

9.9

SAMPLES COLLECTED:

PLASTRON LENGTH:

43.1

WEIGHT:

50

DESCRIPTIVE REMARKS:

BB SB NP PCA

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

④ DIVE 2 1-16-91 PUAKO 11:30-2:30

PERSON RECORDING DATA: Amanda Roth

OLD TAGS:

NEW TAGS: RFL

N622

LFL

N623

OTHER
NEW
TAGS:

RHF N621

RBS Z238

STRAIGHT CARAPACE-LENGTH:

52.9

WIDTH:

41.3

NOTCH LENGTH:

52.8

CURVED CARAPACE LENGTH:

56.5

WIDTH:

50.0

HEAD WIDTH:

8.1

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

12

C

8.5

RIGHT FRONT FLIPPER WIDTH:

9.6

SAMPLES COLLECTED:

PLASTRON LENGTH:

41.7

WEIGHT:

51

DESCRIPTIVE REMARKS: thick polysiphona BB SB NP

GAB captured this alone
in crack in "wall". Turtle
blended right in.
Only turtle caught 1/16 w/ considerable
polysiphona on skin

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

(5) DIVE2 1/16/91 PUAKO 1:30-2:30

PERSON RECORDING DATA: Amanda Roth

OLD TAGS:

NEW TAGS: RFL

N625

LFL

N626

OTHER
NEW
TAGS:

RHF N624

LBS. 2239

STRAIGHT CARAPACE-LENGTH:

50.3

WIDTH:

39.9

NOTCH LENGTH:

49.9

CURVED CARAPACE LENGTH:

54

WIDTH:

47

HEAD WIDTH:

7.8

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

15

c

7.5

RIGHT FRONT FLIPPER WIDTH:

9.1

SAMPLES COLLECTED:

PLASTRON LENGTH:

38.9

WEIGHT:

47

DESCRIPTIVE REMARKS: BB SB NP possible abnormality
on tongue PCA

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Dive 2 1.16.91 PUAKO 1:30 - 2:30

PERSON RECORDING DATA: Amanda Roth

OLD TAGS:

NEW TAGS: RFL

N 628

LFL

N 629

OTHER
NEW
TAGS:

RHF N627

L3S 2240

STRAIGHT CARAPACE-LENGTH:

47.2

WIDTH:

37.5

NOTCH LENGTH:

46.8

CURVED CARAPACE LENGTH:

51

WIDTH:

45

HEAD WIDTH:

7.5

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

10

C

6.5

RIGHT FRONT FLIPPER WIDTH:

8.2

SAMPLES COLLECTED:

PLASTRON LENGTH:

38.4

WEIGHT:

37

DESCRIPTIVE REMARKS:

BB P PCA

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

⑦

Dive 2 1.16.91 PUAKO 11:30-2:30

PERSON RECORDING DATA: Amanda Roth

OLD TAGS:

NEW TAGS: RFL

N 631

LFL

N 632

OTHER
NEW
TAGS:

RHF N 630

L3S 2244

STRAIGHT CARAPACE-LENGTH:

55.9

WIDTH:

44.7

NOTCH LENGTH:

55.5

CURVED CARAPACE LENGTH:

59.5

WIDTH:

52

HEAD WIDTH:

8.7

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

11

c

7

RIGHT FRONT FLIPPER WIDTH:

10.6

SAMPLES COLLECTED:

PLASTRON LENGTH:

45.2

WEIGHT:

54

DESCRIPTIVE REMARKS: NP PCA SB BB

START PUAKO #3 6 FEB 91

①

CONTINUED FROM P. 3

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

DIVE SCUBA	PUAKO 2-6-91	A.M. Dive
PERSON RECORDING DATA: Bart Wyatt		

OLD TAGS:

NEW TAGS: RFL

N-649
LFL
N-650

OTHER NEW TAGS: LH

N-651
Z 246

3-45

STRAIGHT CARAPACE-LENGTH: 61.9 WIDTH: 48.2

NOTCH LENGTH: 61.6

CURVED CARAPACE LENGTH: 66.5 WIDTH: 58.0

HEAD WIDTH: 9.2

SEX: MALE, FEMALE OR UNDETERMINED

--

TAIL LENGTH: T 12.0 C 8.5

RIGHT FRONT FLIPPER WIDTH: 10.8 SAMPLES COLLECTED:

PLASTRON LENGTH: 50.1

WEIGHT:

DESCRIPTIVE REMARKS:

PCA, SB photos of eye, - pimple on left eye

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

2) Dive Puako
Scuba 2-6-91 A.M. Dive

PERSON RECORDING DATA:

Bart Wyatt

OLD TAGS:

NEW TAGS: RFL

N 652

LFL

N 653

OTHER
NEW
TAGS:LH
L3-4

N 654

Z 247

STRAIGHT CARAPACE-LENGTH:

64.8

WIDTH:

47.6

NOTCH LENGTH:

64.5

CURVED CARAPACE LENGTH:

68.5

WIDTH:

57.5

HEAD WIDTH:

9.2

SEX: MALE, FEMALE OR
UNDETERMINED

J

TAIL LENGTH: T

15.0

c

10.5

RIGHT FRONT FLIPPER WIDTH:

10.3

SAMPLES COLLECTED:

None

PLASTRON LENGTH:

51.6

WEIGHT:

--

DESCRIPTIVE REMARKS:

PCA, SB, BB

Released off Puako 10:30am -

from Mauna Lani Hotel

SEA TURTLE TAGGING FORM

Swam off

CAPTURE DATE, LOCATION AND METHOD:

2/6/91

normal duay from boat.

Mauna Lani grafting 3RD Lateral Left

PERSON RECORDING DATA: Monica Traub

OLD TAGS:

6913 LFL
close to edge, but looks fine

NEW TAGS:

RFL

N646

L25

LFL

2245

OTHER NEW TAGS:

LH N647

R3-45 N648

STRAIGHT CARAPACE-LENGTH:

57.3

WIDTH:

45.0

NOTCH LENGTH:

57.1

CURVED CARAPACE LENGTH:

61.5

WIDTH:

53.0

HEAD WIDTH:

9.2

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH: T

16.0

C

9.5

RIGHT FRONT FLIPPER WIDTH:

9.4

SAMPLES COLLECTED:

PLASTRON LENGTH:

47.5

WEIGHT:

DESCRIPTIVE REMARKS:

Slightly elongated tail; many photos ASA 64

Named "makemakai" by Mauna Lani Hotel Staff

History 7/2/86 Waikiki Aquarium - 27.3cm SCL
1985 Season hatch at French Frigate

(3) SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: A

Dive Poako
Scuba 2-6-91 A.M Dive

PERSON RECORDING DATA: Bart W.

OLD TAGS:

NEW TAGS: RFL

N 655

LFL

N 656

OTHER
NEW
TAGS:

3-4

2 248

STRAIGHT CARAPACE-LENGTH:

51.8

WIDTH:

40.3

NOTCH LENGTH:

51.7

CURVED CARAPACE LENGTH:

55.0

WIDTH:

49.5

HEAD WIDTH:

8.0

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

11.5

c

8.5

RIGHT FRONT FLIPPER WIDTH:

9.0

SAMPLES COLLECTED:

Stomach

PLASTRON LENGTH:

43.0

WEIGHT:

DESCRIPTIVE REMARKS:

SB, PCA

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

① Dive Puako
Scuba 2-6-91 P.M. Dive 2 1:30

PERSON RECORDING DATA: Bart Wyatt

OLD TAGS:

NEW TAGS: RFL

N 657

LFL

N 658

OTHER
NEW
TAGS:

LH

N 659

L3-4

2249

STRAIGHT CARAPACE-LENGTH:

57.7

WIDTH:

48.0

NOTCH LENGTH:

57.5

CURVED CARAPACE LENGTH:

62.0

WIDTH:

56.5

HEAD WIDTH:

8.5

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

12.5

C

8.0

RIGHT FRONT FLIPPER WIDTH:

10.3

SAMPLES COLLECTED:

PLASTRON LENGTH:

46.9

WEIGHT:

DESCRIPTIVE REMARKS:

PCA, SB, Upper beak slight crack left

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

②

Dive Puako
Scuba 2-6-91 P.M. Dive 2

PERSON RECORDING DATA:

Barot Wyatt

OLD TAGS:

NEW TAGS: RFL

N 2660

LFL

N 2661

OTHER

NEW TAGS: LH

L3-4

N662

Z 250

STRAIGHT CARAPACE-LENGTH:

61.9

WIDTH:

49.6

NOTCH LENGTH:

61.9

CURVED CARAPACE LENGTH:

67.0

WIDTH:

62.5

HEAD WIDTH:

9.2

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

14.0

c

9.5

RIGHT FRONT FLIPPER WIDTH:

11.0

SAMPLES COLLECTED:

PLASTRON LENGTH:

48.6

WEIGHT:

--

DESCRIPTIVE REMARKS:

PCA, SB.

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

③ Dive Souba P. M. Dive 2
 2-6-91 P. M. Dive 2
 PERSON RECORDING DATA: Bart Wyatt

OLD TAGS:

NEW TAGS: RFL

N 663

LFL

N 664

OTHER

NEW
TAGS:

LH

L3-4

N-665

Z-261

STRAIGHT CARAPACE-LENGTH:

66.6

WIDTH:

52.1

NOTCH LENGTH:

66.4

CURVED CARAPACE LENGTH:

72.0

WIDTH:

65.0

HEAD WIDTH:

9.4

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

15.0

C

10.0

RIGHT FRONT FLIPPER WIDTH:

11.3

SAMPLES COLLECTED:

PLASTRON LENGTH:

54.0

WEIGHT:

DESCRIPTIVE REMARKS:

PCA, SB

scars from old burrowing
barnacles

POAKO
2-6-91SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

(H) Poako Scuba Dive PM Dive 1:40 in
PERSON RECORDING DATA: Kahaia Throug

OLD TAGS:

NEW TAGS: RFL

N-666

LFL

N-667

OTHER

NEW
TAGS:

LH

N-668

L3-4

Z-262

STRAIGHT CARAPACE-LENGTH:

56.0

WIDTH:

44.9

NOTCH LENGTH:

55.8

CURVED CARAPACE LENGTH:

60.0

WIDTH:

54.0

HEAD WIDTH:

8.4

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

11.0

c

7.0

RIGHT FRONT FLIPPER WIDTH:

10.6

SAMPLES COLLECTED:

PLASTRON LENGTH:

46.4

WEIGHT:

DESCRIPTIVE REMARKS:

PCA, SB

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

2-6 1:40 in
 ⑨ Puako Scuba PM Dive
 PERSON RECORDING DATA: Kahan Throbas

OLD TAGS:

NEW TAGS: RFL

N-669

LFL

N-670

OTHER
NEW
TAGS:

LH

N-671

L34

Z-263

STRAIGHT CARAPACE-LENGTH:

58.4

WIDTH:

46.2

NOTCH LENGTH:

58.4

CURVED CARAPACE LENGTH:

61.0

WIDTH:

55.0

HEAD WIDTH:

9.3

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

12.0

C

8.5

RIGHT FRONT FLIPPER WIDTH:

9.9

SAMPLES COLLECTED:

PLASTRON LENGTH:

48.2

WEIGHT:

--

--

--

DESCRIPTIVE REMARKS:

PCA, 1BB, SB
 Scum/silt on carapace

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

~ 7' deep Resting

⑥

HAND CAPTURE SNORKELING - DAN ALTHA
Puako Dive PM Dive Time In: 1:40 pm (1340)

PERSON RECORDING DATA: Monica Traub

2-6-91

OLD TAGS:

NEW TAGS: RFL

N-672

LFL

N-673

OTHER

NEW L3-4
TAGS:

Z 264

L3-L

STRAIGHT CARAPACE-LENGTH:

35.6

WIDTH:

29.3

NOTCH LENGTH:

35.3

CURVED CARAPACE LENGTH:

37.5

WIDTH:

34.0

HEAD WIDTH:

5.8

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

6.5

c

4.0

RIGHT FRONT FLIPPER WIDTH:

6.2

SAMPLES COLLECTED:

PLASTRON LENGTH:

29.3

Stomach
Red filaments -
Gelidium?

WEIGHT:

DESCRIPTIVE REMARKS:

PCA 5B. fowling algae on plastron, BB
caught-snorkel close in shore.
close up photos BB in carapace
* Stomach pump

SEA TURTLE TAGGING FORM

PUAKO 2/6/91

CAPTURE DATE, LOCATION AND METHOD: ~ 7' deep Resting

⑦ Puako Dive 2-6-91 HAND CAPTURE SNEAKING - DAN ABRAHA Time In: 1:40 (1340hrs)

PERSON RECORDING DATA: Monica Traub

OLD TAGS:

Four empty rectangular boxes for old tags.

NEW TAGS: RFL

N-674

LFL

N-675

OTHER NEW TAGS:

L3-4 2265

STRAIGHT CARAPACE-LENGTH:

39.8

WIDTH:

34.1

NOTCH LENGTH:

39.2

CURVED CARAPACE LENGTH:

42.0

WIDTH:

40.5

HEAD WIDTH:

6.9

SEX: MALE, FEMALE OR UNDETERMINED

Empty box for sex determination.

TAIL LENGTH: T

7.0

c

4.0

RIGHT FRONT FLIPPER WIDTH:

7.0

SAMPLES COLLECTED:

PLASTRON LENGTH:

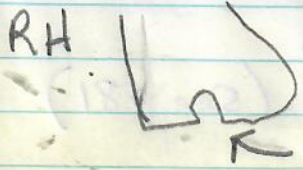
32.1

WEIGHT:

Empty boxes for weight and other data.

DESCRIPTIVE REMARKS:

CARAPACE FCA, clean plastron (whitish-yellow)



START

Puako 4

DIVE #1

10:15-11:15 AM

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD: By Marc Rice

3-21-91 (Non Scuba Hand Puako)

PERSON RECORDING DATA: Katherine Hannan

OLD TAGS:	2240	NEW TAGS:	RFL
	LFL N 629		LFL
	RFL N 628	OTHER NEW TAGS:	
	RH N 627		

STRAIGHT CARAPACE-LENGTH: 47.4 WIDTH: 37.5

NOTCH LENGTH: 47.2

CURVED CARAPACE LENGTH: 51 WIDTH: 45

HEAD WIDTH: 7.5 SEX: MALE, FEMALE OR UNDETERMINED U

TAIL LENGTH: T 10 C 7

RIGHT FRONT FLIPPER WIDTH: 8.7 SAMPLES COLLECTED:

PLASTRON LENGTH: 38.5

WEIGHT: 40

DESCRIPTIVE REMARKS:

New 300 lb scale = 36 lb
 Original capture - 1/16/91 (see p81)

Dive #1

SEA TURTLE TAGGING FORM

②

CAPTURE DATE, LOCATION AND METHOD:

10:15-11:15am
 3/21/91 Scuba hand, Puako
 PERSON RECORDING DATA: Katherine Hanna

OLD TAGS:

NEW TAGS: RFL

N747

LFL

N748

OTHER NEW TAGS:

L34
 LFL N749
 RH N750

STRAIGHT CARAPACE-LENGTH:

66.1

WIDTH:

51.2

NOTCH LENGTH:

65.7

CURVED CARAPACE LENGTH:

71

WIDTH:

64

HEAD WIDTH:

10.3

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH: T

18

C

12

RIGHT FRONT FLIPPER WIDTH:

11.3

SAMPLES COLLECTED:

PLASTRON LENGTH:

52.0

WEIGHT:

93

DESCRIPTIVE REMARKS:

Skin barnacles, green algal growth on carapace - Slimy
 PCA.
 LH is $\frac{7}{8}$ amputated through the femur - fully healed
 8th marginal L - healed indentation
 5th marginal R - healed indentation

DIVE #1

SEA TURTLE TAGGING FORM

③

CAPTURE DATE, LOCATION AND METHOD:

10:15-11:15 am
3-21-91 Hand Scuba, Puako
PERSON RECORDING DATA: Katherine Hannah

OLD TAGS:

NEW TAGS: RFL

N751

LFL

N752

OTHER
NEW
TAGS:

RH N753
L3-4
LFL N754

STRAIGHT CARAPACE-LENGTH:

55.1

WIDTH:

42.6

NOTCH LENGTH:

54.8

CURVED CARAPACE LENGTH:

60.5

WIDTH:

52

HEAD WIDTH:

8.7

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

12

C

8.5

RIGHT FRONT FLIPPER WIDTH:

9.7

SAMPLES COLLECTED:

--

PLASTRON LENGTH:

43.7

WEIGHT:

59 ^{small scale}

--

DESCRIPTIVE REMARKS:

burrowing barnacles
 RH 7/8 amputated - fully healed
 PCA.

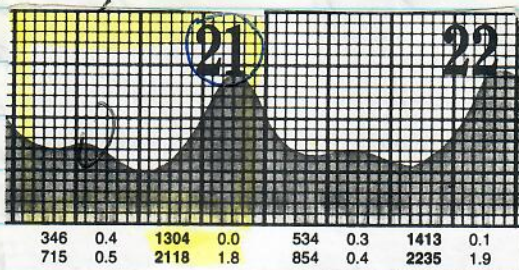
SCUBA
10:15-11:15am

Puako #4

97

MARCH 91

1:15-2:15pm



8 TOTAL CAPTURES -
4/EACH DIVE.

3 of 8 had a hind
flipper 7/8 missing - healed
amputation.

Size range = 47.4 - 66.1cm

7:15-1:04pm 0.5 → 0.0
2m

3/21/91 Depart Aloha 6:40am FL 88 for
Kona. Puako #4. Arrive 7:15am

Tropical car rental \$9.95
to 7-11 at Kailua, then to Puako Ramp.

Matt Hughes, son Alex, another 9 year old,
Katherine Hannal (16 today), Glenn
Pogue, Marc Rice, Laura Rice and
Monica Trub. Very light winds and
almost no swell. Heavy rains all
day yesterday reported. Clear out
sunny today. Snow on the peaks of
Mauna Kea and Mauna Loa.

60 min
40' Two Scuba dives undertaken:
1:) 10:15 - 11:15 am - 4 captured,
one of which had been tagged 4/16/91

60 min
40' 2:) 1:15 - 2:15 pm 4 captured

Total 11 seen both dives, 4 minimum
of which were tagged prior to today.

PUAKO #4

3/21/91
Thurs. Scuba dive boat anchored in study area upon our arrival. Responsible for fewer turtles seen in holes?

Dive #1 60 min 40' MAX resulted in fewer turtles being seen consequently much more area was covered in the 60 min. We came close to the rock reef jutting out off the Carboniferous. Covered about 50-75% more than "Dive #1" on previous dive.

DIVE #2 60 min 40' MAX -

Continued along same edge. Distinct cliff gradually becomes more sloping. Covered more area to the north (toward boat ramp) than on any previous dive at Puako.

Two of the 4 turtles caught this dive were in this new territory. However, to continue with any more than what we covered on this dive would likely be unproductive because of disappearing "cliff" and "keyhole" feature.

Night spent at HPA. Saw Harry Salvaggio at McDonald's. Will send him tumor report and sighting cards.

TO Honohohau Harbor for 8:15am 99

3/22/91 "pick up by"
Friday "DIVE MAKAI" — ~ 8-9 customers
+ Lisa, Tom, 2 or more other
crew members.

Motored out harbor to the right and north.
Just ABOUT Directly off Squatters village -

"Beauty
Patch" "Nude" Beach to the left (north).
Anchored in "Sand Patch" - depth ~ 40'.

"CAR
WASH" Just seaward of Sand Patch are 2 rock
pinacles. The one to the left (south) was 42'
at the top. Crown of thorns on top of it. The

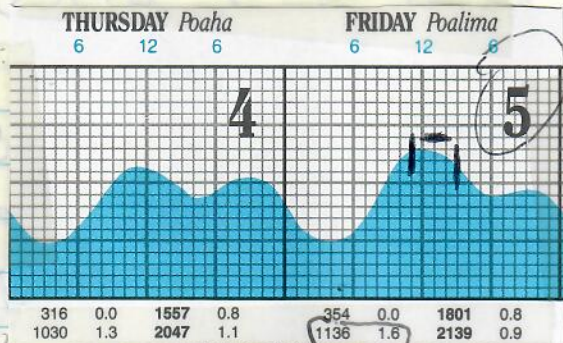
"TURTLE
TOWERS" larger taller one to the right was perhaps
30' at the top. Turtles seen resting
were on the bottom amongst coral flat
and smooth rocks (cover = 95%+). Perhaps
4 turtles total were seen. One was perched with
neck bent out - small fish biting at neck.

55
MINUTES
AT
50ft' Lisa says no wrasses ever seen cleaning,
only surgeonfish and damselfish(?) Turtles
I dive no exhibit flight response to divers
in the water. However, even at 20' distance they
did rise up and slowly swim off. One
seemed to turn and show curiosity in divers -
then left. None returned on rest of I dive. Was
turtle looking to be fed? Just seaward of 2 towers
the dropoff occurs. Looks like it does down
quickly! Water seemed cold, but I didn't measure temp.

Depart Tona 3/22/91 FL 95

1:10 pm.

Used
N884-N900
V58-V63

DATA = P_e 114-1505 July 91
FRIDAYKeawanoi #2
(Mauna Lani)net in 11:30 am
out 3 pm

7/5/91

Depart Aloha FL 82 8:25 am for Kona with
200 x 10' Net.Budget car rental \$50.00 day due to
"eclipse" price. (7/11 7:30 am it will occur)
(6 TO 8)Needs
Send
Danny

- Taps
- tape
- instructions
- pliers
- Pukui
- compilation

- internet sign
- (stone throw)

Met George Watson and students at 10 am
proceeded to grass area near ranch house
College. Saw several turtles
surfacing in inlet (Bay).

JAMES (and Velma)

Threw net over large turtle
close to shore.200' net was about 60' short -
started on north side and blocked
"entrance" - used rope to tie off
to south side.7 turtles captured from 11:30 am - 1 pm;
nothing from 1 pm - 3 pm.All captures believed to be turtles going
out. One turtle known to have
gotten around net -- not entangled.

continued p. 107

Puako #4

(4)

DIVE# 1

SEA TURTLE TAGGING FORM

end of dive 1

CAPTURE DATE, LOCATION AND METHOD:

Water temp 77 F

10:15 - 11:15 am
 3-21-91, Scuba hand Puako
 PERSON RECORDING DATA: Katherine Hannah (16 today)

OLD TAGS:

NEW TAGS: RFL N755
 LFL N756

OTHER NEW TAGS:
 L3-4 LFL N757
 LH N758

SEX: M OR F M F

STRAIGHT CARAPACE-LENGTH: 51.5 WIDTH: 38.2

NOTCH LENGTH: 51.3

CURVED CARAPACE LENGTH: 54 WIDTH: 47

HEAD WIDTH: 7.8

TAIL LENGTH: T 11.5 C 7.5

RIGHT FRONT FLIPPER WIDTH: 8.5 SAMPLES COLLECTED:

PLASTRON LENGTH: 41.4

WEIGHT: 46 (small scale) 39 (big scale)

DESCRIPTIVE REMARKS (ie TUMORS, OTHER ABNORMALITIES):

RH - 3/8 amputated - fully healed 10th marginal li. healed notch
 Skin barnacles (light) Peeling scutes
 P.C.A.

DIVE #2 60 minutes PUAKO 4

SEA TURTLE TAGGING FORM

1:15-2:15pm

⑤

CAPTURE DATE, LOCATION AND METHOD:

3/21/91 PUAKO SCUBA-HARD

PERSON RECORDING DATA: Glenn Pogue

OLD TAGS:

NEW TAGS: RFL

N-759

LFL

N-760

OTHER
NEW
TAGS:

N-761 L3-4

N-762 LH

SEX: M OR F

NP

STRAIGHT CARAPACE-LENGTH:

63.0

WIDTH:

48.5

NOTCH LENGTH:

62.8

CURVED CARAPACE LENGTH:

68

WIDTH:

59

HEAD WIDTH:

9.3

TAIL LENGTH: T

14.5

c

10.5

RIGHT FRONT FLIPPER WIDTH:

11.2

SAMPLES COLLECTED:

PLASTRON LENGTH:

50.4

WEIGHT:

75 ^{large} / scale
lbs

DESCRIPTIVE REMARKS (ie TUMORS, OTHER ABNORMALITIES):

pcd
 small scale - 82lbs
 SB (lots on pelvis)
 slight deformities to the tail
 Notch in upper beak

Dive #2

6

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

3/21/91	1:15-2:15pm	Puako	scuba-hand
PERSON RECORDING DATA: Glenn Pogue			

OLD TAGS:

NEW TAGS: RFL

N-763
LFL
N-764

OTHER NEW TAGS:

N-765 (L3-4)
N-766 (RH)

STRAIGHT CARAPACE-LENGTH: WIDTH:

NOTCH LENGTH:

CURVED CARAPACE LENGTH: WIDTH:

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

TAIL LENGTH: T C

RIGHT FRONT FLIPPER WIDTH: SAMPLES COLLECTED:

PLASTRON LENGTH:

WEIGHT: ^{large scale}

DESCRIPTIVE REMARKS:
 Small scale 74lbs 5 laterals on right
 BB:SB, PCA 6 " " left

Dive #2

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

1:15-2:15 pm
 3/21/91 Puako Scuba-hand
 PERSON RECORDING DATA: Glenn Pogue

OLD TAGS:

NEW TAGS: RFL N-767
 LFL N-768
 OTHER NEW TAGS: N-769(B)
 N-770(B)

STRAIGHT CARAPACE-LENGTH: 60.2 WIDTH: 47.0

NOTCH LENGTH: 60.2

CURVED CARAPACE LENGTH: 64.5 WIDTH: 68.0

HEAD WIDTH: 9.4

SEX: MALE, FEMALE OR UNDETERMINED NP

TAIL LENGTH: T 14 C 10.5

RIGHT FRONT FLIPPER WIDTH: 10.5 SAMPLES COLLECTED

PLASTRON LENGTH: 47.8

WEIGHT: 66 lbs ^{scale}

DESCRIPTIVE REMARKS:
 SB BB small scale - 76 lbs
 RA algae on plastron PCA
 GA algae 1 1 Tattered HFlippers

Puako 4

END Puako 3/21/91

105

DIVE #2

SEA TURTLE TAGGING FORM

(P)

CAPTURE DATE, LOCATION AND METHOD:

3/21/91	Puako	Scuba-hand
PERSON RECORDING DATA: G.P.		1:15 - 2:15pm

OLD TAGS:

NEW TAGS:

RFL

N-771

LFL

N-772

OTHER NEW TAGS:

N-773 (L34)

N-774 (RH)

STRAIGHT CARAPACE-LENGTH:

51.4

WIDTH:

40.9

NOTCH LENGTH:

51.2

CURVED CARAPACE LENGTH:

55

WIDTH:

31

HEAD WIDTH:

8.5

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH:

T 10.5

c

7.0

RIGHT FRONT FLIPPER WIDTH:

9.0

SAMPLES COLLECTED

PLASTRON LENGTH:

40.9

WEIGHT:

42^{19 scale} lbs

2 PHOTOS ASA 200 w/ Katherine HANNAH

DESCRIPTIVE REMARKS:

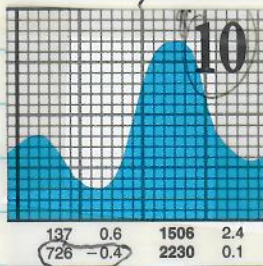
(16 years old today)

-Plastron left side 3 scales half peeled scab underneath BB, Red skin algae small scale 52 lbs

up

10 JUNE 91

NOON

POAKO #5

JOCARIE Hilo
 Jennifer
 Marilyn

6/10/91
 MONDAY

Flight 80 Aloha Airlines to Kona - 5:50am
 departure -

Return depart 6:15pm ^{HAWAIIAN} Flight 247

TO POAKO Ramp - arrive
 7:45am. Leilani HINO and
 Marc Rice and George Watson -
 Depart ~ 8am - in the water
 about 8:30am Scuba #1 -
 Me and Watson -

43 minutes - max. 35' deep
 orange buoy w/ dantforth as if
 set for same commercial charter
 to anchor.

3 turtles captured in resting
 mode. 9 others seen swimming
 or missed while resting -
 12 Total seen.

noted slimy green algae on
 shells - just kind was seen
 on turtles last June when first
 dive was made here. Due to
 higher H₂O temperature and longer
 day?

Sea water
 80°F

1 turtle
 captured
 by MARC

6/10/91 Worked up turtles - Marco caught one while snorkeling. We saw it surface repeatedly near boat at Anchor.

DIVE #2 12 - 12:50pm 50 MIN 40'
8 total seen, but only one captured - 6 or 7 were seen swimming free -

Tide (going up - turbidity increases)

Note yellowish *Fyrgbia* growing abundantly on smooth rock vertical surfaces.

Covered lots of distance - "edge" of rock drop and "slots"

Note - Didn't go to Kiholo because on June 6 Rise and a Carol Chandler, Scuba "point" dropoff, and skidded all along of this region. No turtles seen.

Continued from page 100) 7/15/91 =

Drove at 5pm to Hyatt Regency Hotel - Saw 4 acres of lagoon - saw one turtle feeding at ocean entrance. Saw tourist near waterfall pulling a turtle around - said it let him do it - no resistance. Saw 100 lb+ turtle by side of waterfall - feeding on leaves/scum? Same as others?

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

6/10/91 Monday	PUAKO DIVE #1	9 am
PERSON RECORDING DATA: L. HINO		

OLD TAGS:

NEW TAGS: RFL

N866

LFL

N867

OTHER
NEW
TAGS:

RH N868

STRAIGHT CARAPACE-LENGTH:

66.6

WIDTH:

51.6

NOTCH LENGTH:

66.1

CURVED CARAPACE LENGTH:

72.0

WIDTH:

66.5

HEAD WIDTH:

10.3

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

15.5

c

10.5

RIGHT FRONT FLIPPER WIDTH:

11.9

SAMPLES COLLECTED:

PLASTRON LENGTH:

53.0

Large Scale
WEIGHT:

85#

DESCRIPTIVE REMARKS:

new LARGE SPECULUM tested - worked well.
 Skin Barnacles
 Dots of white paint applied.

(2)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

6/16/91 Monday PUAFO DIVE #1 9 AM

PERSON RECORDING DATA: L. Hino

OLD TAGS:

NEW TAGS: RFL

N869

LFL

N870

OTHER
NEW
TAGS:

RH N871

STRAIGHT CARAPACE-LENGTH:

59.5

WIDTH:

45.8

NOTCH LENGTH:

59.4

CURVED CARAPACE LENGTH:

64.0

WIDTH:

55.5

HEAD WIDTH:

9.2

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

12.0

C

7.5

RIGHT FRONT FLIPPER WIDTH:

11.0

SAMPLES COLLECTED

PLASTRON LENGTH:

47.7

WEIGHT:

T-100

63#

DESCRIPTIVE REMARKS:

Medium size Speculum
Successfully used.
White paint spots

3

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

6/10/91 Puako Dive #1 9am

PERSON RECORDING DATA: L. HIND

OLD TAGS:

NEW TAGS: RFL

N872

LFL

N873

OTHER
NEW
TAGS:

RH N874

STRAIGHT CARAPACE-LENGTH:

54.0

WIDTH:

44.2

NOTCH LENGTH:

53.7

CURVED CARAPACE LENGTH:

57.5

WIDTH:

53.5

HEAD WIDTH:

8.5

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

12.5

c

8.5

RIGHT FRONT FLIPPER WIDTH:

10.1

SAMPLES COLLECTED

PLASTRON LENGTH:

43.7

WEIGHT:

T-100

50#

DESCRIPTIVE REMARKS:

- white paint spots
- Med. Speculum worked well.

12 seen
of which

END DIVE #1

35' MAX
45 minutes

111

3 captured on
scuba's
hand snorkel

SEA TURTLE TAGGING FORM

4

CAPTURE DATE, LOCATION AND METHOD:

6/10/91 PUAKO DIVE HAND catch, Mar. Rice
Snorkel 10:30am

PERSON RECORDING DATA: L. HINO

OLD TAGS:

NEW TAGS: RFL N 875
LFL N 876

OTHER NEW TAGS: RH N 877

STRAIGHT CARAPACE-LENGTH: 47.0

WIDTH: 36.5

NOTCH LENGTH: 46.3

CURVED CARAPACE LENGTH: 50.5

WIDTH: 45.0

HEAD WIDTH: 7.2

SEX: MALE, FEMALE OR UNDETERMINED
P U

TAIL LENGTH: T 9.5

C 7.0

RIGHT FRONT FLIPPER WIDTH: 8.0

SAMPLES COLLECTED

PLASTRON LENGTH: 36.7

Stomach
Flush-red
filaments

WEIGHT: T-100 31#

DESCRIPTIVE REMARKS:

~ 20 burrowing barnacles
taken from plastron
- photos by Seiloni

112

8 TOTAL Seen - Dive # 2 ^{50 min max}
of which one was captured

(75)

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

6/10/91 12 noon	Balazs/Rice	Caught 12:17pm
PERSON RECORDING DATA:		

OLD TAGS:

NEW TAGS:

RFL

N 878

LFL

N 879

OTHER

NEW

TAGS:

RA N 880

STRAIGHT CARAPACE-LENGTH:

57.1

WIDTH:

44.9

NOTCH LENGTH:

56.7

CURVED CARAPACE LENGTH:

61.0

WIDTH:

53.0

HEAD WIDTH:

9.2

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

16.0

c

11.5

RIGHT FRONT FLIPPER WIDTH:

9.9

SAMPLES COLLECTED

PLASTRON LENGTH:

44.8

WEIGHT:

^{T-100}
58#

DESCRIPTIVE REMARKS:

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

6/10/91 4:30pm Dacrom
 PERSON RECORDING DATA: GHB Throw net
 Danny AKAHA

OLD TAGS:

NEW TAGS: RFL

N881

LFL

N882

OTHER
NEW
TAGS:

RH N883

STRAIGHT CARAPACE-LENGTH:

WIDTH:

NOTCH LENGTH:

CURVED CARAPACE LENGTH:

60.0

WIDTH:

54.5

HEAD WIDTH:

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED

PLASTRON LENGTH:

WEIGHT:

DESCRIPTIVE REMARKS:

Turbidaria in throw net.

Nothing seen in turtle's mouth.

ig

SEA TURTLE TAGGING FORM

①

CAPTURE DATE, LOCATION AND METHOD:

7-5-91 Friday KEAWANUI Bay

PERSON RECORDING DATA: Kristen Glaspy

200' x 10'
Net in
11:30am
12 noon

OLD TAGS:

NEW TAGS:

RFL

N-884

LFL

N-885

OTHER
NEW
TAGS:

RH

N-886

STRAIGHT CARAPACE-LENGTH:

66.6

WIDTH:

51.0

NOTCH LENGTH:

66.4

CURVED CARAPACE LENGTH:

71.0

WIDTH:

62.5

HEAD WIDTH:

10.5

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH:

T

16.5

C

11.5

RIGHT FRONT FLIPPER WIDTH:

12.0

SAMPLES COLLECTED

Mouth sample

PLASTRON LENGTH:

52.4

WEIGHT:

94 lbs

DESCRIPTIVE REMARKS:

caught ⁱⁿ Throw net by James

A few specks of CA on carapace

A few S.B.

yellow spot
of pale
Applied as
Temporary mark

②

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Tangle net
capture.

7-5-91 Friday KEAWA NUI BAY Mauna Lani

PERSON RECORDING DATA:

Kristen Gaspy

12:30pm capture

OLD TAGS:

NEW TAGS: RFL

N-887

LFL

N-888

OTHER
NEW
TAGS:

RH N-889

STRAIGHT CARAPACE-LENGTH:

56.2

WIDTH:

41.2

NOTCH LENGTH:

55.5

CURVED CARAPACE LENGTH:

60.0

WIDTH:

52.5

HEAD WIDTH:

9.0

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH: T

15.0

c

11.0

RIGHT FRONT FLIPPER WIDTH:

10.0

SAMPLES COLLECTED

NONE

PLASTRON LENGTH:

44.7

WEIGHT:

56

DESCRIPTIVE REMARKS:

- yellow paint

BB =
Bovvrowing
Barnacles- b.b. in plastron.
- SB- LH Flipper - 1st large scale in
grain is substantially missing
and healed

- 3 distinct ridges to lateral scutes. GROWTH RINGS?

(3)

SEA TURTLE TAGGING FORM

Tangle net

CAPTURE DATE, LOCATION AND METHOD:

7.5-91 Friday KEAWA Nui Bay
Mauna Lani

PERSON RECORDING DATA:

Kristen

12:30 capture

OLD TAGS:

NEW TAGS:

RFL

N-890

LFL

N-891

OTHER
NEW
TAGS:

RH-N-892

SEX: M OR F

U

STRAIGHT CARAPACE-LENGTH:

60.9

WIDTH:

47.7

NOTCH LENGTH:

60.8

CURVED CARAPACE LENGTH:

65.0

WIDTH:

59.5

HEAD WIDTH:

9.5

TAIL LENGTH:

T

135

c

8.0

RIGHT FRONT FLIPPER WIDTH:

10.5

SAMPLES COLLECTED:

PLASTRON LENGTH:

50.3

WEIGHT:

71.1 lbs

DESCRIPTIVE REMARKS (ie TUMORS, OTHER ABNORMALITIES):

- small particle in mouth (possible gelidium)
- Pink coral Algae (PCA) on carapace
- SB (SB = SKIN BRANACHLES)
- yellow paint

④

SEA TURTLE TAGGING FORM

CAPTURE DATE, LOCATION AND METHOD:

Tangle Net

7-5-91 Friday Keawa Nui Bay Mauna Lani

PERSON RECORDING DATA:

JADE

Ipua capture

OLD TAGS:

NEW TAGS:

RFL

N-893

LFL

N-894

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH - N895

STRAIGHT CARAPACE-LENGTH:

46.4

WIDTH:

36.1

NOTCH LENGTH:

46.1

CURVED CARAPACE LENGTH:

49.5

WIDTH:

43.5

HEAD WIDTH:

7.5

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH:

T

8 cm

C

6 cm

RIGHT FRONT FLIPPER WIDTH:

7.9

SAMPLES COLLECTED:

PLASTRON LENGTH:

38.2

WEIGHT:

34 lbs

DESCRIPTIVE REMARKS:

- one spot PCA of on ventral marginal only
- Red skin algae present
- yellow paint

5

SEA TURTLE TAGGING FORM

Tangle net

CAPTURE DATE, LOCATION AND METHOD:

7/5/91 KEAWA NOI BAY - MAUNA LANI

PERSON RECORDING DATA:

JADE

1 pm

OLD TAGS:

NEW TAGS:

RFL

N 896

LFL

N 897

TUMOR
SCORE

0

OTHER
NEW
TAGS:

RH-N 808

STRAIGHT CARAPACE-LENGTH:

58.4

WIDTH:

44.4

NOTCH LENGTH:

58.0

CURVED CARAPACE LENGTH:

61.5

WIDTH:

54.0

HEAD WIDTH:

9.3

SEX: MALE, FEMALE OR
UNDETERMINED

U

TAIL LENGTH:

T

17.5

C

11.5

left (Right damaged)
RIGHT FRONT FLIPPER WIDTH:

10.5

SAMPLES COLLECTED

PLASTRON LENGTH:

46.4

WEIGHT:

63 lbs.

DESCRIPTIVE REMARKS:

- SB; Red skin, algae

- 1 patch CA

- yellow paint

6

SEA TURTLE TAGGING FORM

Tangle net

CAPTURE DATE, LOCATION AND METHOD:

7/5/91 KEAWA NOI BAY - MAUNA LOANI

PERSON RECORDING DATA: JADE 1 PM

OLD TAGS:

Four empty rectangular boxes for old tags.

NEW TAGS: RFL

V 58

LFL

V 59

TUMOR SCORE

0

OTHER NEW TAGS:

RH - V 60

STRAIGHT CARAPACE-LENGTH:

56.8

WIDTH:

41.8

NOTCH LENGTH:

56.4

CURVED CARAPACE LENGTH:

60.0

WIDTH:

51.8

HEAD WIDTH:

9.1

SEX: MALE, FEMALE OR UNDETERMINED

U

TAIL LENGTH: T

16.5

C

12

RIGHT FRONT FLIPPER WIDTH:

10.6

SAMPLES COLLECTED:

PLASTRON LENGTH:

46.4

WEIGHT:

55

DESCRIPTIVE REMARKS:

-SB
- yellow paint

(7)

SEA TURTLE TAGGING FORM

OH
OTF

CAPTURE DATE, LOCATION AND METHOD:

KEAWA NO:

7/5/91

TANGLE
Net capture

PERSON RECORDING DATA:

Kath Hammond

OLD TAGS:

NEW TAGS: RFL

V-61
V-62

TUMOR
SCORE
OTHER
NEW
TAGS:

RH = V-63

STRAIGHT CARAPACE-LENGTH:

50.5

WIDTH:

40.0

NOTCH LENGTH:

50.4

CURVED CARAPACE LENGTH:

54.0

WIDTH:

47.5

HEAD WIDTH:

7.9

SEX: MALE, FEMALE OR
UNDETERMINED

TAIL LENGTH:

T 11

C

7.5

RIGHT FRONT FLIPPER WIDTH:

8.7

SAMPLES COLLECTED

PLASTRON LENGTH:

39.2

WEIGHT:

40 lbs

DESCRIPTIVE REMARKS:

P.C.A.
M.T.D. scum
Mike Kinolo turtles!

- red skin algae.
- green algae on plastron
- S.B.
- yellow paint

8

SEA TURTLE TAGGING FORM

End 121
Keawa Nui #2

CAPTURE DATE, LOCATION AND METHOD:

Keawa Nui	7/5/91	TANGLE Net capture
PERSON RECORDING DATA: Kath Hannah		

OLD TAGS:

TUMOR SCORE

NEW TAGS: RFL

N-899
N-900

LFL

OTHER NEW TAGS:

STRAIGHT CARAPACE-LENGTH:

WIDTH:

NOTCH LENGTH:

CURVED CARAPACE LENGTH:

WIDTH:

HEAD WIDTH:

SEX: MALE, FEMALE OR UNDETERMINED

TAIL LENGTH: T

C

RIGHT FRONT FLIPPER WIDTH:

SAMPLES COLLECTED:

PLASTRON LENGTH:

WEIGHT:

DESCRIPTIVE REMARKS:

- Whitish plastron
 - serrated edge to carapace
 - Speckled pink coralline algae
 - yellow paint
 Likely new Recruit



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southwest Fisheries Center Honolulu Laboratory
2570 Dole St. • Honolulu, Hawaii 96822-2356

February 15, 1989

F/SWC2:GEB

Mr. Brick Stange
HCR 1 SR
Box 483, MKB
Kamuela, HI 96743

Dear Mr. Stange

Thank you for your recent inquiry to the Hawaii Preparatory Academy regarding our cooperative sea turtle research and student education program presently focused at Kiholo Bay, North Kona, on the Island of Hawaii. The enclosed literature will provide you with some background information on Hawaiian sea turtles in general, as well as specific data for green turtles, Chelonia mydas, resident to Kiholo Bay. I should also mention that during the past few months we have determined that this site also constitutes prime marine habitat for the rare and endangered hawksbill turtle, Eretmochelys imbricata

The objectives of our research at Kiholo Bay are to determine: (1) the approximate number of turtles and their size-classes resident to this location; (2) the types of life-support activities undertaken by the turtles within the habitat limits of the bay; (3) the food sources utilized; (4) growth rates and estimated ages at sexual maturity; (5) adverse impacts to the turtles, both from humans (i.e., fishing nets) and from natural factors (i.e., disease, shark predation); and (6) the recruitment rates of juveniles to the population and migrations/movements which may occur after residency has been established. Our overall goal, inherent in the above objectives, is the careful and complete documentation that this particular habitat is indeed essential to a large aggregation of sea turtles. Under my supervision, students of the Hawaii Preparatory Academy are directly involved in the fieldwork to gather much of the above data.

In the not too distant future, I hope to have our work with the Hawaii Preparatory Academy students and teachers expanded to include one or more other study sites of likely high importance to Hawaiian sea turtles. This will, of course, be dependent upon student interest, available class time for fieldwork, and financial and other necessary resources to undertake the studies.

If you have any additional questions about the research aspects of our project, please feel free to call me here at my office (808-943-1240). Again, thank you for your interest.

Sincerely,

George H. Balazs
Zoologist and Leader, Hawaiian
Sea Turtle Recovery Team

cc: Marc Rice
Monica Traub



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southwest Fisheries Center Honolulu Laboratory
2570 Dole St. • Honolulu, Hawaii 96822-2396

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April 30, 1990 F/SWC2:GHB

Dr. and Mrs. Earl Bakken
Medtronic, Inc.
7000 Central Avenue, NE
Minneapolis, MN 55432

Dear Dr. and Mrs. Bakken:

I am writing to provide you with an overview of the research results of our recent trip to Kiholo Bay. Once again, we experienced a highly successful field expedition to study and tag sea turtles, and to provide an unique educational experience for students of the Hawaii Preparatory Academy (HPA).

During our 3-day period at Kiholo Bay we were able to capture 58 green turtles (*Chelonia mydas*) and one small (2 kg) hawksbill (*Eretmochelys imbricata*). The hawksbill was a different individual from the one previous captured and tagged in October 1989, and again in January of this year. We did, however, confirm by direct sighting that the previously tagged hawksbill continues to reside at Kiholo Bay.

Of the 58 green turtles captured, 37 of them (63.7%) had already been captured and tagged during our prior study visits to Kiholo Bay. Based on these data, using the Petersen formula to determine population size, there are at present an estimated 188 green turtles living in the Kiholo area. Thus far, no sexually mature turtles have been seen or captured; only immature turtles (<82 cm in shell length) have been encountered. The reason for this may simply be that an insufficient length of time has passed in order for immature turtles to grow to adults following heavy hunting mortality pressures of the 1960's and 1970's.

Two of the green turtles we recaptured during our recent trip are remarkable by virtue of not having been seen since originally tagged in 1980 and 1984, respectively. These two turtles were among a small number that I was able to tag at Kiholo working alone prior to integrating HPA students into this research. The growth rates for the two turtles again demonstrate the protracted time required for green turtles in Hawaii to reach sexual maturity. One turtle grew from 45 cm to 62 cm over a 9.5 year period, while the other turtle grew from 51 cm to 58 cm over 5.7 years.

As you may know, two students from HPA attended a "model student legislature" held here in Honolulu at the State Capitol during late March. On their own initiative, the two students introduced and obtained "legislative" approval for designating Kiholo Bay as a sanctuary for sea turtles and other marine life. Although this action by students carries no formal legal status, it is my understanding that elected members of the legislature from Kona are now paying serious attention to the idea of such a sanctuary.

In closing, I would like to ask if you are in possession of any aerial color photographs (negatives or transparencies) taken of the Kiholo Bay region. If so, I would greatly appreciate receiving copies of several different views for use in our research and educational efforts.

Thank you again for your continuing support and assistance.

Sincerely,

George. H. Balazs
Zoologist

Summary of green sea turtles, *Chelonia mydas*, tagged
and resighted at Kiholo Bay during the
NOAA Fisheries/Hawaii Preparatory Academy research project.

compiled by
George H. Balazs
Southwest Fisheries Center Honolulu Laboratory
2570 Dole Street
Honolulu, HI 96822-2396

3 days/2 nights Study dates	Total no. captured	No. newly tagged	No. tag resighting	Total no. tagged in population to date	Petersen population index estimate*
Oct. 87	6	6	-	6	-
Feb. 88	13	13	0	19	-
April 88	10	9	1	28	190
June 88	11	4	7	32	44
Oct. 88	21	15	6	46**	112
March 89	29	24	5	70	266
May. 89	37	17	20	87	130
October 89	24	6	18	93	116
24-26 Jan. 90	22	9	13	102	157
25-27 April 90	58	21	37	123	188
24-26 Oct 90	51	18	33	141	190
* $\frac{\text{No. tagged turtles recaptured}}{\text{Total no. turtles captured}} = \frac{\text{Total no. turtles tagged}}{\text{Total no. turtles in resident population}}$					

** Total number of tagged turtles reduced by one as of 8/19/88 when an
individual tagged in 6/88 was found dead from gillnet entanglement.

NO. =

4-6 March 91 49 12 37 153 187

= Moon phase

= TIDE APM TO
Midnight

PRINCIPAL OBJECTIVES OF
THE NMFS-HPA ENDANGERED SPECIES MARINE TURTLE RESEARCH PROJECT
AT KIHOLO BAY, NORTH KONA, HAWAII

OVERALL: To ensure the long-term conservation and protection of sea turtles at Kiholo Bay and the habitat upon which they depend.

SPECIFIC:

1. To determine the approximate number of turtles and their size-classes, by species, resident to this location.
2. To determine the types of life-support activities undertaken by the turtles within the habitat limits of the bay.
3. To ascertain the food sources utilized by the turtles.
4. To calculate growth rates and estimated ages at sexual maturity.
5. To determine adverse impacts to the turtles, both from humans (i.e., fishing nets, rubbish) and from natural factors (i.e., disease, shark predation).
6. To estimate the recruitment rates of juveniles to the Kiholo Bay population and migrations/movements which may occur after residency has been established.
7. To determine flipper tag retention rates on immature turtles in nearshore habitat.

Summary of green turtles, *Chelonia mydas*, tagged and resighted at Puako, South Kohala, during the National Marine Fisheries Service/Hawaii Preparatory Academy sea turtle research project.

Compiled by
George H. Balazs
Southwest Fisheries Science Center
2570 Dole Street
Honolulu, HI 96822-2396

Date	Total no. captured	No. newly tagged	No. tag resighting	Total no. tagged in population to date	Peterson population index estimate*
6/13/90	5	5	0	5	-
1/16/91	11	11	0	16	-
2/6/91	10	10	0	26	-
3/21/91	8	7	1	33	208

*No. tagged turtles recaptured = Total No. turtles tagged
Total No. turtles captured = Total No. turtles in resident population (X)

Puako #3

7/2/86 AT WAIKIKI AQUARIUM
TAG 6913 - size #81 S-27.3
+ N395 size #1
N396



MAUNA LANIBAY HOTEL

Emerald of Kohala

September 19, 1986

Dr. Gilmartin
National Marine Fisheries
2570 Aoie Street
Honolulu, Hawaii 96822

Dear Dr. Gilmartin,

I have enclosed five photographs. Numbers 1 and 2 show the small turtle from the Waikiki Aquarium in the upper waterfall pond. The turtle is eating well and is quiet lively. Photos 3 and 4 show two views of Maipuhi Iki pond where the two other turtles are now located. The last photo is of the large turtle in Waipuhi Iki.

We are all pleased with the two large turtles in a big pond as they have the ability to swim freely. As soon as we receive the program definition from you, we will make a sign to post.

Thanks again for your help and coordination.

Yours truly,

MAUNA LANI BAY HOTEL

Alan L. Brown
Alan L. Brown
Assistant Engineer

57.3
27.3

30.0cm

4.5 years = 6.7cm/YR

new tags
N646, N647
N648, 2245

2/6/91 Released Puako

Get Transceiver
to this
frequency

*Updated Repeater Listing as of Nov. 29, 1987 (by: Bob Ferguson KH6NP)

GEO. AREA	CITY	INPUT	OUTPUT	CALL	NOTES	SPONSOR
MOLOKAI	MAUNALOA	144.510	145.110	KH6AAI	O	KH6AAI
OAHU	LAIE	144.530	145.130	KH6NP	O	KH6NP
HAWAII	KEALAKEKUA	144.570	145.170	KH6DHG	O	HWARDS
OAHU	PEARL CITY	144.590	145.190	KH6TU	C	KH6TU
OAHU	KANEOTE	144.610	145.210	KH6KL	P	EABC
HAWAII	KAMUELA	144.630	145.230	KH6PI	O	HWARDS
OAHU	HONOLULU	144.710	145.310	KH6AGE	O(CA)	KH6AGE
OAHU	PEARL CITY	144.770	145.370	KH6JJX		KH6JJX
OAHU	HONOLULU	144.790	145.390	NH6AQ	C	NH6AQ
OAHU	WAIHANA	144.810	145.410	AH6DJ	OAL	RAG
HAWAII	MAUNA LOA	145.050	145.050	AH6P-1	-PACKET	AH6P
OAHU	WAIMANALO	145.330	144.730	KH6BYZ	OAL	RAG
MAUI	UPPER MAUI	146.020	146.620	KH6US	O	KH6US
OAHU	KAILUA	146.040	146.640	KH6BI	OE	EABC
KAUAI	HANAMAULU	146.060	146.660	WH6Z	O	GTEARC
OAHU	HONOLULU	146.080	146.680	KH6FD	O	KH6FD
MAUI	KEOKAHA	146.100	146.700	AH6GE	O	AH6GE
KAUAI	WAIMEA	146.100	146.700	WH6AGU	OE	WH6AGU
HAWAII	KEALAKEKUA	146.120	146.720	NH6K	O	HWARDS
OAHU	AIEA	146.140	146.740	KH6XP	OAL	KH6XP
HAWAII	KULANI CONE	146.160	146.760	AH6P	OAL	BIARC
OAHU	NORTH SHORE	146.160	146.760	KH6FV	OE	EABC
MAUI	WAILUKU	146.160	146.760	KH6HHG	O	EABC/CD
KAUAI	LIHUE	146.180	146.780	KH6S	PROPOS	
OAHU	WAIANAE MTS.	146.200	146.800	WH6Y	OE	EABC
HAWAII	MAUNALOA SDL.	146.220	146.820	AH6J	OEL	BIARC
KAUAI	LIHUE	146.220	146.820	KH6DLW	OAE	KABC
OAHU	HONOLULU	146.240	146.840	KH6JUJ/R	OAL	RAG
KAUAI	KEKAHA	146.260	146.860	KH6ENC/R	O	HANG ARC
OAHU	HONOLULU	146.280	146.880	AH6BW	OEL	EABC
HAWAII	PEPEEKEO	146.280	146.880	KH6IAA	OLE	KH6IAA
OAHU	WAIPAHU	146.300	146.900	KH6DS	O	KH6DS
KAUAI	KALEHEO	146.320	146.920	KH6S	O	KABC
MAUI	MT. HALEAKALA	146.340	146.940	KH6RS	OEL	EABC/WABC
OAHU	HONOLULU	146.380	146.980	KH6OV	OEA	EABC
MAUI	MT. HALEAKALA	147.620	147.020	KH6H	OELR	KH6H
OAHU	HONOLULU	147.660	147.060	KH6JCA	OE	KH6JCA
OAHU	HONOLULU	147.680	147.080	KH6CIZ	O(CA)Z	HARC
OAHU	WAIANAE MTS.	147.720	147.120	KH6JPL	OAL	GTEARC
KAUAI	HONOLULU	147.740	147.140	KH6WO	O	HARC
HAWAII	HANALEI	147.760	147.160	AH6EC		
MAUI	KAILUA-KONA	147.760	147.160	NH6K	OE	KABC
MAUI	KAHANA	147.780	147.180	AH6GR	OL	HWARDS
OAHU	KANEOTE	147.800	147.200	AH6BFZ	O(CA)E	AH6GR
OAHU	MAKAKILO	147.840	147.240	KH6JEO	OL	KH6BFZ
MAUI	KULA	147.860	147.260	AH6IF	O	KH6JEO
OAHU	HONOLULU	147.880	147.280	KH6WG	OAL	AH6IF
OAHU	HONOLULU	147.900	147.300	AH6CP	C	KH6WG
KAUAI	HANAMAULU	147.940	147.340	KH6BFU	O(CA)E	AH6CP
OAHU	HONOLULU	147.960	147.360	KH6DD	O	KH6BFU
HAWAII	KAILUA-KONA	147.980	147.380	NH6Q	CEP	HWARDS

146.640 kailua - oahu

146.760 kulani

146.08 oahu

146.88 Hale

147.120 kona energylab

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BALAZS

992-A Awaawaanoa Place
Honolulu, Hawaii 96825

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PUAKO #1

Summary of six green turtles, *Chelonia mydas*, captured and tagged along the south Kohala coastline on June 13-14, 1990

By George H. Balazs, Monica Traub, Marc Rice,
Cassie Quaintance, and Birgi Wurster
Southwest Fisheries Center Honolulu Laboratory
National Marine Fisheries Service, NOAA
2570 Dole Street
Honolulu, Hawaii 96822-2396

Tag No.	Carapace length (cm)			Comments
	straight	notch	curved	
<i>Hand-captured by scuba off Puako, June 13</i>				
Y860,61,62	71.7	71.5	75.5	Adolescent male with 22-cm tail; left hind flipper fractured at distal end of femur. Healed, but permanently dislocated.
Y863,64	54.5	54.1	58.1	
Y865,66	58.1	58.1	61.0	
Y867,68,69	64.6	64.4	69.0	
Y870,71,72	63.7	63.7	68.0	Numerous skin barnacles and slimy green algae on head and carapace. Not vigorous when handled.
<i>Hand-captured while snorkeling south of Mauna Kea Beach Hotel, June 14</i>				
Y876,77	--	--	47.5	

(Note: Tags Y873-Y875 used 6/15/90 on green turtles captured in Kaneohe Bay.)

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