

BALAZS 1/89 - 5/89

NECROPSIES - P. 7-10; 68-69;

Elliott
Jacobson
1/25 - 5/31/89

+ Jackcover.

SLP except MARKING
P. 98

2 of 2

P. 33 Portlock P. 111

Kapoho
P. 94-97

VOLCANO Nat. Park

Kaneohe Bay
2-15-89 (3) P. 49-51
2-22-89 (11) P. 55-61
2-23-89

WEST BEACH

3-31-89 (1) P. 103

KAHALA

1-31-89 P. 34
3-17-89 P. 88

2/13/09 Male

3-4mm fat layer

5 large } tumors
4 sm }2-13
KAWAIcollected multilobed tumor from lung
preserved & saved

- appears to be pure connective tissue; fibrous

2/17
Friday

dead

large turtle, no rimes, no
obvious signs of injury, washed
on rocks at Waimea Bay,
Reported to Witham.

Annona Wong wanted shell.

Witham brought it to A-2
late afternoon.I took in to dump. Sunday
noon - need stages of
decomposition,

C-91cm

♀

FACTORS

- Size of turtle
- IN water or on land
- Weather conditions (sunny vs cloudy)
- Rupture of Body cavity, or not
- HEALTH STATE OF TURTLE Before death (emaciated or not)

TEL. Meylan

→ HA 1673 B

Allen J Hee

HAWAIIAN Electric
Box 2750
Honolulu 96840-0001

2/21
Tues.

Notified ELSIE - DOCAFE
Wed./Thurs. Kaneohe Bay

Instant Signs

1221 KAPIOLANI BLVD
955-7321

2/21 Telecon

MAT BATTISTA - Attorney for
Jet Skis

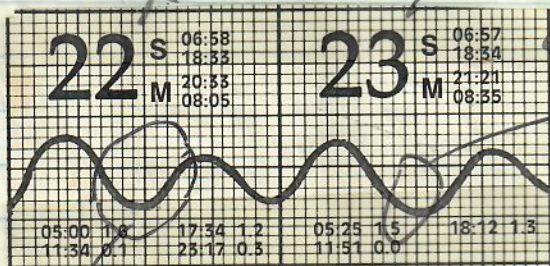
Kaneohe Bay

2/22
Wednesday

wed

Thursday

noon windy/RAIN
2/23



GHB & BC to Kaneohe Bay

Twin Reefs

AHU-O-LAKA

2 SCUBA DIVERS
Twin Reef #1 & #2

about 30 min. ed. ch. #1 =

Circled Reef. 3 Turtles
MAX. depth = 25' #2 = 1 sub. TME eyes patted head.

Twin
Reefs
#1

all off ~~8~~ Chel ^{BARNES} 2# PLUTSTRAN
BARNES
TAIL-
C-76.0 X 7.0 13

S-70.5 X 55.0

4 small LAXIAL

~~Y-67~~
~~Y-68~~
~~(R-3)~~
~~(P-1)~~

2 " Left neck
1 Right eye
many small left eye
1 neck left ventral axial
2 small pelvic

PL-56.5

red
juv
mouth

3.7mm diameter → 7 Chel

1.3 x 0.8 ^{TEMP}

left shoulder

PL 39.5

7 ventral
Chel

Twin
Reefs
#2

Tail 7.5

Y-66-68

Y-67 R3-4

S 49.8 N
S 50.3 + 40.4

AHU-O-LAKA (N-48.4)

S 48.9 x 37.5
C-51.5 x 45.0

Y69 70 71 D-5 V-13
TMR left Dorsal shoulder
POSS. small TMR L EYE
PL-38.8

N 51.8 D-23 V-2
S 52.0 x 41
C-55.0 x 47.5
POSS small
TMR
R shoulder

Y72 73 74
PL-41.6
cent th 4 & th 5 = 3 teeth
R lat. = 5

1 leech + eggs

D=11
C-54.5 x 48.0
S-50.8 x ~~50.8~~ 40.7
N 50.6 x

Y75 76 77

PL-41.1

58

2/22/89

AHU-O-LARA foraging

N 41.1 Clear

S - 41.4 x 34.0

C - 44.5 x 40

PL 33.0

Y78 shank scotch
Y79 L3-4

Recap ^{Y78}
near Mark Reef

9/17/91

SL = 43.2 cm

CL = 46.0 cm

no sign of these 9/17/91

N 43.7

D-~~8~~5

S 44.2 x 35.5

C - 47.0 x 42

LFL Tag tear!

PL 36.3

Y80
Y81

D-9 Head - Y

^{V10}
S 47.4 x 38.8

C 50.5 x 46.5

PL 39

Y82 83
84

60

2/22/89 V-8
D-2

6 leeches
on eyes 3 flippers

S-50.5 x 40.7

N-49.4

C-59.0 x 50.0

PL 41.1

Y 85 86
87

AHU-O-LAKA frogging

Y 89 R3-4

Marine Corps 257-2941
Search & Rescue Neil Winfield

3 years, 4 months

Recovered 6/4/92
Beached in the middle of AOL sand bar. reported "lethargic".

Alive - LFL slit healed & visible.
TO Kuroko

Basin tank. SCL = ~~51.1~~ 56.7 (+4.0cm)

CCL = ~~51.1~~ 61.5 (+4.5)

LFL healed with slit. Weight = 53 lbs

14 #2's; 2 #3's Tumors present at recovery.

2/22/89

AHU-0-LAKA D=19

V-7

FORAGING

S-52.6 x 43.3
N-52.0

C-57.0 x 49.5

PL 42

Y88 Y89 Y90

LFL large slit
with tag

Small-med
TMR right shoulder

D-69

V-75

S-44.4 x 36.2

(N-43.8)

C-47 x 43.5

PL- ~~36.2~~ 36.2

Y91 92 93

Check kokuaime > ~ 2/18 HSB

PRIVATE LAGOONS?

Dr. Tom Williams (408) 372-8151
Monterrey Bay Aquarium 886 Cannery Row
649-6466 Monterey, CA 93940

Found 10 days ago - green turtle

99lbs. 47°F ocean; up 70°F in Aquarium - gradual
Tangled in kelp in deep

About 10 day ago

Barnacles eating "grass now" TO be shipped to Sea world on Sunday

Archeology - Marguées

Showered me fragments of turtle bones

Jennifer - (948-8715)
Kim (947-7592)

8:30 AM Monday

to A-2 freezer

2/22/89

Colleen Murakami (JOE)
Kahana Bay Beach Park
200 yards to right of parking lot
toward river - high tide walk

+ Maura O'Connor (735-8419)

Need Address

Dr. Drizin - Neurologist - Hano
Marilyn MAJOR Medical Group.

ERK show 2/2

2/2

Joc

2/2

ERIK
should write
to me

POHUE Bay

B.C., GB & UH Video 63
ED-200
Sickent

HPA student - nesting
Teacher Keith
HUNNINGTON
2/24 Friday
in file

A-2 Necropsy
Preston & Thomas
Roosevelt High School

2/24

~50
~~200~~ lbs

Wai'ua Golf Course
TMR around eyes.

Wade ISHIKAWA

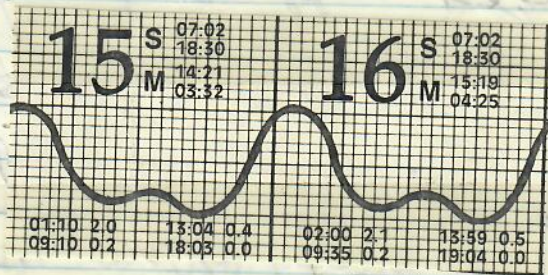
Neck swollen
in DOCARO freezer. Need to call.

Jacobsen - Look for VIRUS in leeches?
- Use HIMB Boston whalers? (OK!)
- Graphs for FIMD
Bob Ferguson

2/22 Tourist
SHIRLEY ZELETKO

11th Floor OUTRIGGER
Turtles seen in WAIKIKI

Feb. 89



PHOTOS 25 FEB 89 SAT W/PFG B
11 AM
WS ♀ Hawkbill baskig + 3 ♂ 1 ♀ g.i.t.

OBSERVATIONS

NOT Drained -)
Seen in Lagoon

Neely painted? Lagoon?

1 ♂ = foam

1 ♀ = foam

1 ♂ = Ace white spots

OBSERVATIONS

Seen in Reef Tank:

note - Hawkbill (PHI? via WAI, Aquarium)
has small tag RFL -
MISSING LAL.

Juvenile G.I.T. = seen from a distance - nothing present.

Seen in Circular Tank:

" " shinking
♀ TMR tail TAG =
(WAS moved to other circular due to leak), on back in TIRE.

"AECO
Rotney File"
No. 317

OBSERVATIONS

2/25
2/8

17 DAYS

- ① Ace white "3"s look good.
- ② Smaller red reflect still on. (larger suffered from TIRE? ON BACK IN w/moved)
- ③ Slight "outline" of Tan epoxy.
- ④ Small spots of Muffler & Lig steel - (Mostly gone tho)
- ⑤ Small outline of Lig NAILS on 1st central.
- ⑥ Plumic "3" readable w/DRY.

Many photos =

BALK 765-14

25 FEB Sat

SLP

65

Applications: Circular Applied

DURO

① Extend Rust Treatment (1st cent smear & run) contains Synthetic CATEx Resin

McColl

② 4 orange reflector 2-4th lat, 2nd lat

"clear silicone Rubber Adhesive Sealant"

BALKAMP
765-1470

③ NABA Silicon (small by each of #2)

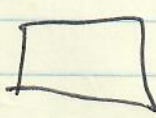
④ "Hard as nails" - 6" - 45" ^{suprising} w/nylon pink GLASS FIBER

⑤ Metal House #2 & 5 on 4th lat

⑥ Ace ^{vinyl} House # "6" 2nd central _{Number} ^{white}

⑦ LEXE (white) 2" beads, - one each _{SEALANT} by Ace "3" + bead and circular sub 3rd cent

⑧ Dyer boat vinyl numbers Bk "1" = 3rd lat white "3" 3rd lat

⑨ 2  Bk nonskid peel-back strip.

⑩ Harvest wheat "App" since 2051 Touch-up "6" - "5" epoxy fortified LFL

MANY photos

2495 RFZ
2051
LFL

66

considering
Health Safety
of workers
costs

C&P hardware
EVERCOAT Professional Sealant Foam
PART NO. 654
(Urethane Foam)

Polyurethane ISOCYANATE
AND FLUOROCARBON

weed - Grafti pens again
+ other items in file
cabinet to retest

dept. of
Biology =
845-7747
H.A.A.
How

CER Brodie = 536-9381
(409) 764-3137 home

Dave Quinz (409) 845-7783
Cont. 490 Houston 2:47pm ARRIVE TAMPA

(409) 764-3137

1/19/89

NECROPSY REPORT SHEET

Submitting Prosector THURSTON		MOKULEA Address 68-781 Crozier Drive		Phone		
Genus	Species	Carapace LXW Str 78.8 x 59.8 78.5	Plastron LXW Str	Head W 11.2	Weight	Sex
		Curv 84.5 x 75.5	Curv			

HISTORY & CLINICAL SUMMARY: (Water quality, environmental contaminants, stranding location date and time of autopsy, etc.)

- MASSIVE tumors all four flippers
- left eye
- numerous medium on neck
- Leech eggs - SM AMOUNT ALGAE IN STOMACH
- 16cm tail - SM AMOUNT FECAL MATTER IN INTESTINE CONTAINING GRAVEL
- 1/4" FAT - MUCH INTESTINE EMPTY
- LG VOLUME FROZEN FLUID - FEMALE
- 1/4 - STOMACH - STOMACH SAMPLE SAVED

discarded
contained
ptero
& Amansio

26 FEB 89 SUNDAY

LAGOON

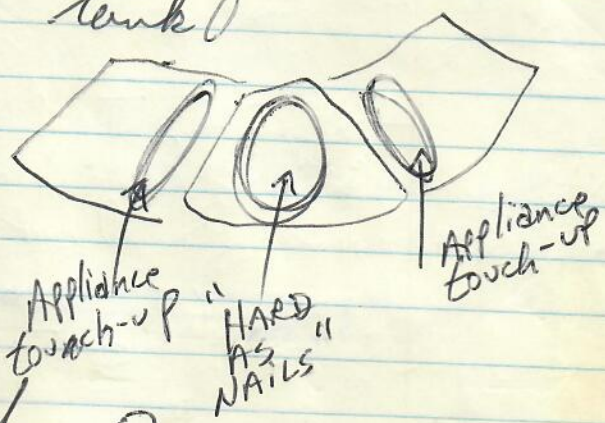
stop of Ace white on Hawkshell

OBSERVATIONS
3/5/89

Fingernail polish
some removed on all pig

6 juveniles - small aquarium out back
- 2 to a tank

or
reverse



Circular tank ♀
ADDITIONS/APPLICATIONS

- ① 2 circles silver Woolworth cloth Reflectant (4th lots)
- ② "STIP" sticker (Alum.) left side
"RACING TEAM"
- ③ Alum type 3M ovals = 1st lots
- ④ Turtle wax (auto.) - 2nd lot left

Two white
Blk pen curly?
on reflect.

Submitting Prosector 2/7/81 KAHALOU Address ADVANCE DECOMPOSITION Phone

Genus	Species	Carapace LXW	Plastron LXW	Head W	Weight	Sex
	MAHOKEY	Str <u>62.4</u> 48.5 Curv 87.66	Str <u>48.7</u> Curv			

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding location date and time of autopsy, etc.) (NO APPARENT HOOK, LOOSE ENDS)

- see p42
- Massive TMRS all 4 fingers
 - Tail - massive TMR - 13gm
 - sunken plastron - evacuated
 - Plastron has many barocles ~ 45 bars carapace
 - fishline around neck all down mouth, 35-AD16 test
 - ADENA - HYPERA 3/4 CODIUM 1/4
 - MALE - INTESTINE & STOMACH (NEAR FULL)

1-28-89

Submitting Prosector Address MAUI DEAD - KAHULUI SIDE OF PUNA PARK Phone

Genus	Species	Carapace LXW	Plastron LXW	Head W	Weight	Sex
	<u>MYDAS</u>	44.7 Str 37.6 Curv 48.0 44.5	Str 36.5 Curv	7cm		

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding location date and time of autopsy, etc.)

- see p.29
- INTENTIONALLY PEELING OF SHELL - TAIL ♂ FEMALE
 - CLEAN (NO LEACHES, NO TMRS)
 - THICK FAT 1/2"
 - STOMACH FULL (RED ALGAE) PTEROCLADIA
 - STOMACH & INTESTINE 100% FULL

NECRUPSY REPORT SHEET

2-22-89

Submitting Prosector MAUREA O'CONNOR Address KAHANA BAY Phone 735-8419

Genus	Species	Carapace LXW	Plastron LXW	Head W	Weight	Sex
		40.5 Str 32.0 Curv 42.5 39.0	Str 32.7 Curv	6.9		

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding location date and time of autopsy, etc.)

- DISTENDED, GAS, DECOMPOSITION - MALE
- 1/2 FAT
- STOMACH CODIUM (95%) PTEROCLADIUM (FEW)
- INTESTINE CODIUM
- FROZE CARAPACE FOR REFERENCE COLLECTION

JOHN HARSHBARGER

need TAGS to Pete Herdwick

TEAR OUT ACCESSION SHEET

PLEASE SUBMIT TO:
 Dr. John C. Harshbarger
 Registry of Tumors in Lower Animals
 National Museum of Natural History
 Room W216-A
 Smithsonian Institution
 Washington, D.C., 20560, USA

DATE RECD. Sent 2/27/89
 CONTRIBUTOR'S NO. _____
 RTLA NO. _____
 USNM NO. _____
 NIH HISTOPATH NO. _____

COMMON NAME GREEN TURTLE FAMILY _____
 PHYLUM _____ GENUS CHELONIA
 CLASS _____ SPECIES MYDAS
 ORDER _____

CATEGORY: NEOPLASM _____ INFLAMMATION _____ INFECTION _____ PARASITIC _____ TOXIC _____
 DEVELOPMENTAL _____ TRAUMATIC _____ NORMAL _____ OTHER _____

CONTRIBUTOR (NAME & ADDRESS):
GEORGE BAGAZZ
HONOLULU LABORATORY
Southwest Fisheries Center
2570 Dole Street
Honolulu, HI 96822-2396

COLLECTOR (NAME & ADDRESS):
DONALD HEACOCK

GROSS MATERIAL 1 JAR PHOTOGRAPHS _____
 SLIDES _____ REPRINTS _____
 BLOCKS _____ OTHER _____

ORIGIN OF ANIMAL: MARINE FRESHWATER _____ ESTUARINE _____ TERRESTRIAL _____

WHERE COLLECTED South Shore, KAUAI, HAWAII
 CARAPACE LENGTH = 63.5
 DATE COLLECTED 1-13-89 SEX M AGE IMMATURE STAGE OF LIFE CYCLE _____
 HOW KILLED FOUND DEAD FIXATION FORMALIN

GROSS DESCRIPTION
Small fibropapillomas on eyes. Large
FIBROPAILOMAS ON AXIALS.
TUMORS BEING SUBMITTED WERE
FOUND INTERNALLY - MAINLY
ASSOCIATED WITH THE LUNGS

MICROSCOPE DX _____

Submitting Prosector: ELDELLY HOSTE Address: MOKULEIA

Genus	Species	Carapace LXW	Plastron LXW	Head W	Weight	Sex
<u>1-9-89</u>	<u>CAMP MOKULEIA</u>	<u>89.5</u>				
	<u>GREEN</u>	<u>59.2</u>	<u>Str</u>	<u>DECOM</u>		
		<u>88</u>	<u>Curv</u>			
		<u>76</u>				

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding locatio date and time of autopsy, etc.)

- BOTH HIND LIMBS AMPUTATED (SHARK BITTEN) - MALE
- FEMALE (SAVED) SHEARD, SCRAPES
- GI PLASTRON - INTESTINE & STOMACH EMPTY
- 1/4 TAIL AMPUTATED - DECOMPOSING REMAINS TRK IN CLOTIS
- LF FR FLIPPER AMPUTATED (HUMEROUS)
- SM PATCH LEACH EGGS NECK
- TRKS ON NECK RT FR FLIPPER
- THICK LAYER GREEN FAT (APPEARS IN GOOD SHAPE)

not need to 70

Elliott Jacobson

2/27

Kahaloa Ave.

Monday afternoon

Yummy Tree Side of bridge
Traveling Kailua Town Direction.

Teri MASON

Cow tide

254-2888

Mathew MASON 11 years old

277 AIKAHI PLACE
KAILUA, HI 96734

Dead turtle caught on rocks
along bank 1 shell

~~\$19.99 Kona~~
525 7649

~~chelet spirit~~

~~ALAMO~~ San Diego 11th 13th 2 days

#5257718 NW Jacket \$26.99 \$35.99

need Hotel near Airport

pelican
Mollusk's study MOP

George Stender
259-5566

Windward Community College

all

needs

Need

3/14 943122 / (213) 216-

Wed. MARCH 1-3, 1989
Choy/Balazs Kittolo #6

Marklice/Robbie ^{letter sent} HIND - ^{373 6441} Call -
~~Dave onbas~~ - (904) ~~373 6441~~ → Ferron Ross Gamesville
~~Anne Meylan~~ - → Toys R US

Carry - → Barry
Powerplants - (619) 244 4495 → Barry
Note to Steve (619) 726 2228 → Margie Stinson
Pay VISA → Joe Cadoro

needs

Card for LIN - 3/9 LIN → Nitta
Call TAXI 3/8 DAR → DeMaster

Forsythe
Choy - no SCP ?
Cutham 3/22 1819 IS

Pen/Broggergate TAKEN care of by Dentonack?
HAWAII KAI - 396-8294
TAXI

Robin (619) 581 6461
Mission Viejo, CA

SWFC
La Jolla
(619) 546-7194

Need

TM external publication
Review requirements in 5th
vs. SK + Acknowledgments

collect to
3/14 943 1221
from (413) 216-1793

3/7 TUES & 3/8 wed
rel. TO Home
payphone 904-543-9202

3/9 Thurs
Call from Hotel room → (904) 543-5737

3/10 Friday = Hotel room

3/12 (619) 581-6461 from 365-4571
3/13 (619) 224-3254 POSADA HOTEL TO Home

Sea Life Park 5 MARCH 89 Sunday
 Observations!

- ① STP - gone
- ② 2 metal house numbers = gone
- ③ White lxxel = peeling off, but
~~are~~ bead on
- ④ 2 Woolworths cloth = gone
 silver reflect.
- ⑤ Hard as rails, fingerrail "4" =
 Same peeling
- ⑥ Dyer^{vine} boat numbers = gone
- ⑦ Ace^{vine} House letters = gone
- ⑧ 1 aluminum tape = gone
- ⑨ I^{orange reflect.} McCully = gone
- ⑩ I BK non skid ~~skid~~ = gone
- ⑪ I of the 4 silicon = gone.

~~⑫~~

5 MARCH 89 SLP

73

New Applications:

For Instant
Nail Glue--

* Need
pieces of

① Wood Finish Polyurethane (Clear Gloss) Scutes
3rd & 4th both sides

② Boat line tape (white) 1 rectangle
on 3 & 4th (4 total)
4th LAT sprayed with clear urethane.

③ 4 ~~poly~~ ^{overlast} foam rubber w/ fingers
1st cent, 2nd cent, Both 3rd lats,
4th Central

④ Pine pitch - 3rd ~~lats~~ Central

Cedarkey / San Diego - La Jolla
 6-14 MARCH 89

~~Needs~~

- ① Continuous headline need
- ~~②~~ Title of Meeting & Dailey et al. + Balazs Forsyth on Vitae
- ~~③~~ Self-addressed padded envelope to Larry for plastic traps and applicator.
- ~~④~~ Draft Recov. plan w/ yellow high lights to Dave Owens, Lew Ehrhart & I.W. ^{item}
- ~~⑤~~ Updated pub. list to participants + (select to some): Hi lite "IN water" (include Bio. Cars. w/ Kitolo)
- ~~⑥~~ Limps Group meeting letter + Thank for slides
- ~~⑦~~ Thank you to Larry
- ⑧ Plastic fish boxes for nets; dye nets?
 Hole in bottom to drain
- ~~⑨~~ Call Karla for Reprint of Zongal-Hendrickson
- ⑩ Ed SCUBA abstract to Karen / STAMP TO KAREN
- ⑪ Trip to Cedarkey to Fish Turtles w/ LARRY
- ? ⑬ Monterey, CA ^{NMFS} research facility possibilities. LARRY GOING 8/89? There 7/89-8/89?
- ⑭ NMFS issuing "IW" permits (KAREN)
- ⑮ Wayne King Award
- ~~⑯~~ D Remel engraving bits #108 #109 #110
- Here | ⑰ order "Ridley Rescue" book listed in MTN
- ⑱ Graft carapace (data; photo existing + Carapaces
- ⑲ Grafting tools / Do it on SLP
- ⑳ Money / Schedule Medeiros / Ballpet Drawing TOM / Photos of nets in YARD.
- ~~㉑~~ Copy Palau letter to Edwards / Resolution
- ㉒ DeMet Candy Box TOP to Weber for photo. →

8 MARCH 89 Wed. Cedar Key

75

ASK FOR → Nylon Net Co
Memphis, Tenn. Tel. No. =
Scott Feuer

"Continuous lead line"

[Memphis net & twine - in Miss?]
see Ralf Boulton
call

Captive animals // more easily impacted
than ~~captured~~ wild turtles.

Distribution & abundance to evaluate
impacts from fishing and other activities

Recording presence of turtles - High concentration
Areas need to be identified.
How many turtles, and what resources
are utilized.

"Connectiveness" nesting beach tagging, in
water work, and stranding coverage

- Jumbo Rot - Plastic bags

- ~~Detritus~~
② Try PVC on dead turtle -- get PVC
tube

3/8
Wed.

Permit in the water - NMFS issued (N. Foster)
to Karen Ralf

Failure rate of satellite packages.
"Hydrostatic test"
"R & D"

Apply
to Los Gatos

\$3700 for satellite. Equal amount
for data acquisition

Andy Kemmerer - sat. specialty

- Chuck Haven - Described turtle net
fishing from years ago

[Turtles here in the winter - if water comes clear
you can see turtles in the holes]
Nuc. fower plant - Crystal River

11 Day
current
can be
very strong

Metered out w/ Dave Owness,
Ralf Boulton, Lew Chisholm

Haven nets
20-22 mesh no. 9 16" bar = 32" stretch
nets used by Larry 10-11" bar = 20-22" stretch

Biggest caught was ~ 110 lbs
"Holes" at various places
across which the bottom
is uniform flat. Dross one

foot per mile as you go offshore.
 Bottom all stirred up. Usually
 2-5' visibility. When it comes clear,
 then the plankton is thick; so
 almost always cloudy,
 limestone rock bottom. In another
 area - mud.

Mangrove grass, and some *Thalassia*
 But *Thalassia* was formerly more
 abundant.

Large ^{green} turtles are further off
 shore - deep water. There's nets
 where flap - #9 so wouldn't hold
 by turtles. Plus, heavy turtles are
 very hard to get into the boat.

75% of netting was at night.

Meeting R & D to get

~~in Bay~~

Biological questions
 Relate to long-term recovery.
 Source of funding.

Herpetologica
 Drift fence data (snakes) 6/88 v. 44
 for population density estimates. N. 2

70 lbs gold-studded 1977 - 5 yrs
 later caught in Nicaragua.
 3 times in 10 years - gold-studded.
 Hard to find their way out.

Journal of 9 MARCH 89 AL KINLAW
 Ecology 1988 ^{and} Bayesian statistics "
 w/ articles by Gaze & Staley
 1986 67(4) 941-951

get
reprint

"BioAcoustics" Co. in Seattle
 Count turtle-size objects moving in and out

Line transects - count along a line.

Temperature - operational definition
 of season.

[Larry - research facility at Monterey]

Herpetologica 44(2) 1988 228-233

Snakes - catch by stationary net

Diller & Johnson

Shoot for ^①standardizing & ^②precision.
 instead of accuracy.

3/9/89 Cedar Key

confounding variables when you compare different

- ① Stay "within" and precision for TRENDS within
- ② Standardize - lay term goal
- ③ Experiment/explore

Different methods to address different situations.

- No universal methods

Ed Saura Abstract

TM to Ralf

Dave Owens + ^{Recov. Records}

90 coverage > Terrestrial Grid technique

Sample in "Habitat type"

Look up sex determination prepare blood data sheets. ^{for publication}

Heyp. Review

grooming behavior

published now

That I reviewed

Dave Owens - "Biology of Reptilia"
Jeff Miller - check egg/embryo development

~~see~~

~~need~~

Zangr & Herdrikson - Natator - Carly

3/10/89 Cedar Key

FRIDAY

Blood Sigma kits rest

Calcium
Albumin

Baseline blood chemistry

HAVE
Contact
Barbara in Bentley -
Schroder
for a reprint

Bentley - Blood techniques

check map
Mosquito Lagoon
vs
Indian River

Nesting green & hawk = Hard to get blood samples.
Sinus is small & contracted.

cut of
jaws of
calden

Scale - "PEZOLA" up to 50kg
forestry supply
also Chantilly brand

~~Y-95~~ recaptured
3/2 after tagging 3/1

KIHolo

2
4/15
2.5/89

ASC newsletter

Dec. 88

A Redescription of the Australian
Flatback Sea Turtle
by Zangerl, Hendrickson & Hendrickson
Bishop Museum Bull. in Zoology

^{subant}
Lew - Die Green
Twisted nylon twine (vs "braided" twine)

~~DAVE
OWENS~~

Do leeches take blood?

Nb. captures per kilometer-hour = few ∴ Catch per unit effort

3/11/89 AM Saw Larry's "yellow legs" aluminum boat
+ nets
SAT. photos of "Bird-Dog" boat - outboard
in center for setting nets.

Teresa Tallqvist
PO 383
Culebra, PR 00645

APPLES = pesticide
DAMINOZIDE

Best
Western

5005 N. HARBOR DRIVE

POSADA INN

#60

AAA

Conf. No. 833-152760-5226

1-800-528-1234

SAT. SUN.
3/11-3/12 YUCCA VALLEY

"HABITAT & INHABITANT"

3/13 MONDAY DeMaster/Steve Reilly Meeting
89 SWFC

Monday

- call Perran Ross = contract awards - others?
- Send Tags + Modified applicators TO Doug.
- SWFC flow chart

*Tech
Memo

- Bolton memo to Aleta, Steve & Doug
- Zog & Balazs to Aleta + flipped tag loss and hatchling ^{stones} sample
- Call Owens concerning blood samples.

- Poster to Steve Reilly

- Use turtles at sea wharf for tagging, stomach pump, blood test.

- Satellite transmitters = Richard Byles, Jack Woody, Andy Keeney, Greenpeace (Wynn)

- More bone aging? Aleta?

- Photo use? - Westlake under Dixon

- Memo TO Fullerton thru GWB & Barnett

Peter Dutton ⁶¹⁹ = 226-3943
SeaWorld Inst.

Morgan S. Lynn ^{works w/ Robin}
FTS 893-7199

⁸³
3/13/89
Monday

Alma(?) photo of leatherback
Look up article, He will send me more prints.
Ben Cross?

Patricia Rosel - Arizon grad. student
MitocDNA

Preserve sample w/ salt for archive (will Blood work?)
~~need~~

Murray Daily 1-page reports for
samples since start of contract.

Tech memo stomach + other + pub. list

next
4/20/89

Sallie Beavers
PO Box 8541
Santa Cruz, CA 95061

or
325 Loyola Dr.
APT08, CA 95003
(408) 662-2340

- Litwan and Holm papers to be ready for next Feb. meeting.
- Healthy plan now for temporaries & Science Research
- Jack - Help me, I will be Sea Turtle Coordinator for NMFS
- Call Stinson - tags on Sonictagged turtles?
- Call Codaro + people listed in Elizabeth letter
- Meta - Vessel Radio Schedule to talk to Bob

Monday

3/19

TUES. evening meeting Peter Dutton & Donna McDonald

SeaWorld Research Institute -

needs
- Call San Diego power plant -- ~~Call Don Kent~~ ^{need} formal contact for them
- Send Togs, pliers & Data sheet
- Various tel. no. for them.

More needs

Sam Herrick

- SWFC NOAA TM 108 = ENTANGLEMENT fish.

(-0- = 0 sightings)
(N = Tur/Sp) ?MTN - Dip net stations
- Assemble list of ship wrecks - E. PAC
- Oil info memo of all assemblage

wed.

Colin Limpus 85

3/13

Received a tel. report of a
Dead turtle behind Waikiki Aquarium

WORKED WITH

Not Verified

Sent letter 3/24
Need letter he wrote to me + Tel. him back.

Chris Starbird (408) 292-9464

Laproscopie

3/3/89

Jim Matsumoto

Small dead turtle seen outside edge of reef runway.

CME

Pam Lichtman (202) 429-5609 request sent 3/24/89

3-15-89

Called Larry Katakia from home 967-7416
3/15 billed to Lab

836-M11
ALOHA-

Hono to HILO

Budget \$20.99

Mon. 3/20 FL. 64 4:05 pm

Wed. 3/22 FL. 47 6:15 pm
HILO TO HONO

8689
3-16
THURS

CIRCULAR

89.9 cm SL
89.6 cm notch length

15 March 89
Digs first seen this year

note SW - 63.5 cm
Green stringy algae - much scrubbing need to get clean

3/9 - sand changed
" on beach
" soft" now?
Quarry sand

3-16-89

~~SLP~~ Turtle Lagoon

Applications:

- ① NW-767 LFL ♂ (Vancouver)
(7.3 cm high) Instant signs 3M (double peel)
Black "4" 4th lat. left
- ② 6498 LFL ♀ (Brownish)
Instant-signs blue "2" 4th lat. left.

3-16-89

SLP CIRCULAR Observations

Applied Present:
2/8/89

- Ace white "3s" (2 on 3rd laterals
1 on 4th cent
loosely save)
- ② 2- 3M GSA red refl
 - ③ 3- white Boat bottom tape
 - ④ 1- Blk. norship
 - ⑤ 2- peeled HARD AS NAILS "4s"
 - ⑥ 5- peeled Epoxy TAN enamel
 - ⑦ Trace of Silicon cement
 - ⑧ Trace clear acrylic spray
 - ⑨ 5- yellowish Polyurethane ~~foam~~ foam

3/16/89
Thurs

(see p. 43)

FLASH AFTER ⁸⁷ applications
+ Auto Photos

CIRCULAR TANK = APPLICATIONS:

- ① Instant sign "4" B/K 4th lat Right
- " " "2" Blue 3th lat "
- " " "3" white 2nd lat "

② Dutch ^{Boy} Fast Dry spray white on 2 central urethane oversprayed

③ Ameritone Brown MUTI overpaint
1/2 2 urethanes 3rd lats

Ameritone in ③ E of Ace white

④ Permatex undercoat 10th & 11th marginals (NOTE DOESN'T DRY HARD!)

⑤ ["2051" cutter #115 Dremel 4th lat R
w/ Dutch white overspray
"2051" 2nd lat left & Right
w/ engraver #192 Dremel

HLO
HARPER - 1478
969 - ~~1478~~
CAR Rental \$40

~11 AM
April 10
Monday
TO
APRIL 12
~ 3 PM

Friday 88
3/17

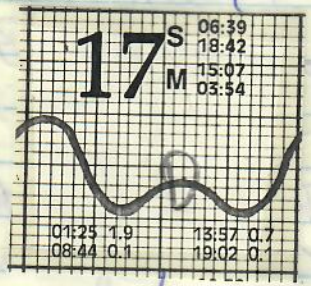
Pete Hendriks 885-4453
Home



Checkout
DIVE

Scuba Kahala Beach Park
1 pm - 2:15 pm
March Friday

Blk rain
small possel
when turtle
caught.



12 noon

Discharge of
debris (caps
etc) from stream.
5 turtles seen
(includes capture)
4 w/ TMRs.

[Frank Parrish, Carl Bromwell
Barry Choy & I.

Found resting under rock in sand
channel ~ 20"
CL = 61cm

TAGS
APPLIED = Y-144, Y-145

TMRs total eye & front flipper.
No leeches noted.

Need-Dive Log

shallow w/limu 89

3/17
Friday

Mike Lay called - sees lots of turtles at "Kahaluu Bay" ^{Kona Coast} tourist snorkel there and chase them.

- Acid Rain
- Mililani Drinking water
- Heptachlor Milk
- X-Rays

Jim & Debbie Makawee
P.O. Box 18
Lanaha, HI 96778

ARTHUR &
CHARLES
MYRTLE
965-8327

3/20 To Brenda & Lisa for Laysan

- + pliers + tape
- + data sheets

in green
Bag

TITANIUMS

15,084 - 15,154 (31 tags)

write to NMFS
Box 3830
Honolulu 96822

90

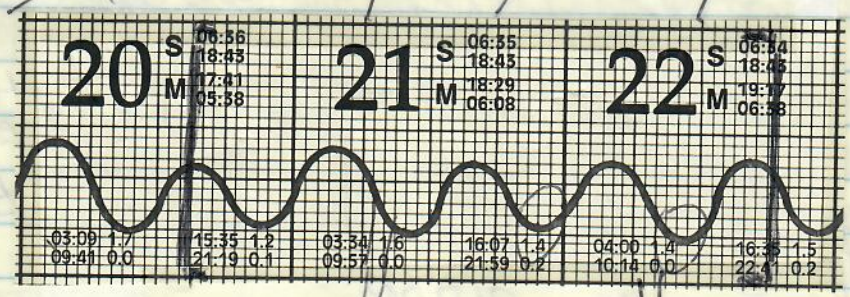
NMFS
Sea turtles
Sea Affairs

Phil Williams
WASHINGTON, D.C.

"Inventory and Status"

20-22 March 1989 Volcanoes (Apuva) & Kapoho

Monday. TUES 6am 6pm Wed. moon



Helicopter
Apuva Pt.
Vol. Nat. Park
4 nests located -
possibly from this
past year.

3 Turtles
captured and
tagged at
00 Makaweo
Ponds -
KAPOHU BEACH
ESTATES

Carry Katakina
mentioned info on
turtles tossed ashore by
Tsunami year =
photos =

observationaly:
CIRCULAR

3/20 Monday SLP

BLUB "2"
 on

"4"
 "3"

Instant signs > gone
 " " " "

2-3M reflectants - gone
 Amerture - lifting - is pool

LAGOON:

"2"

blue instant-signs on
~~NO~~ NO BLK ^{NO} seen

Reported
 to TIM

♀ Floating high in lagoon - w/ cracks in Cavap

⇒ chasing ♀ w/ warty ⇒ observed.

APUA POINT

20 MARCH 89

ALOHA

CHOY & BABZ

Monday

Depart FL 64 4:05pm for HILO

Budget - Ford Escort 20.99 day

Dinner at Dick's Coffeehouse

ROUND TO VOLCANO HOUSE

Overnight at Cottage for volunteers

UP 5:30AM; Picked up by Larry Katakahi
 at 6:30AM -

Helicopter departure ~ 7:45 AM

PUNALOU PAY PHONE
928-9944

3/20 Green heronest underway from
heliport.

Pilot DAVID OKITA

BOX 626
VOLCANO, HI 96785

Need
to send

"Volcano Helitours"

Overflowed Halape, then to
Apuia Point.

Carry had marked tracks/dy
areas with red flag tape.
Andy proceeded, David Barry and I
shells found at 4 sites.

- #1 (small)
- #2 (many)
- #3 (few by Palm tree)
- #4 many

This year possible

Pele's Hair - Siberian - like in
sponges.

Photos

need
size of
eggs?
Fate?
hatched?
No. eggs?

Plastic debris washed in, and
rubbish from campers. Footprints
on beach.

Area photos by me & Larry.

Next Step: Monitoring System to
determine when first nesting
of season happens.

"CHARLES" Y-152 RFL
Y-153 LFL
SL 80.2 x 62.2

Y154 RHMJ

Pond
NO. 2
by Guest
House

Circled 84.5 x 82

9 AM
3-22-89
Wednesday

PL 63.1 cm
TOTAL TAIL = 34 cm
PLASTRON TIP
TO CLAW = 26 cm



13.2 Head
13.7 RFF

32°C WARM TOP
28°C COLD BOTTOM

3 ppm
24 ppm
(Bottom in center w/ turtle often seen)

Two samples for salinity (Plastic Tubes)

Photos w/ flash dorsal & ventral w/ Barry holding him

Sluice gate leads to inlet separating this property and neighbors road area where lava flow stopped. No outside seawater flushing. Lava stones in both ponds have white crust - look like precipitated calcium carbonate like structures in cave.

Turtle did not struggle hard when captured. Slight sunken to plastron beyond wale characteristic.

JIM & DEBBIE (42) MICHIGAN EAST RIFT
MICHIGAN - TO THE POINT

~~CHARLES~~ "Y-152 RFL
Y-153 LFL
SL 80.2 x 62.2

Y154 RHTING

Pond
NO. 2
by Guest
House

Cmel 84.5 x 82

9 AM
3-22-89
Wednesday

PL 63.1 cm
TOTAL TAIL = 34 cm
PLASTRON TIP
TO CLAW 26 cm



13.2 Head
13.7 RFF

32°C WARM TOP
28°C COLD BOTTOM

3 ppm
24 ppm
(Bottom in center w/ turtle often seen)

Two samples for salinity (Plastic tubes)

Photos
w/Flash
dorsal & ventral
w/Barry
holding
him

Sluice gate leads to inlet separating this property and neighbors, and also when lava flow stopped, no outside seawater flushing. Lava stones in both ponds have white crust - look like precipitated calcium carbonate like structures in cave.

Turtle did not struggle hard when captured. Slight sunken to plastron beyond wale characteristic.

EAST RIFT
Flow = 1960

#1 Pond 3-22-89 Wednesday 95

"Myrtle"

tough
to hold on to.
Struggled hard
and almost
bit my leg.

PL - 50.3

Photos
on grass

19.4
11.0

TAIL

Head - 10.1

~~PL~~ LFF 10.6
Weight - 91 lbs

length

(LFF 38.1 total
RFF 30.5 total)

(head injury)
∴ RFF

20% shorter than left

Y155 LFL
Y156 RFL

SL-62.7 X 47.4
CL-65.0 X 54.5

JIM & Debbie (42) MAHAWEA
KAPoho BOBET ESTATES

VACATIONLAND - TO THE POINT
next door (Norett Point)

This turtle was held in another
inland pond where it was fed by
another woman. Brought to Mahawea Pond
2 yrs ago. Makaweas moved back

to Kapoho 7 years ago. & assorted
Fed dog food, Papaya, We never saw
kitchen scraps, them

96

Guest House = 965-8151

3/22/89

Tackie - house keeper,
Daughter - Christine
Dog - AHi

12 noon
TO 5:15 pm

Snorkel Survey off Main House where
2 juveniles seen at ~ 7 AM this
morning. Makaweos report seeing
turtles here.

Canyon's 15-18' deep.

Very stony -

26°C

Seawater

75m seen resting on
the bottom. I got fairly
close before it swam away.

Kapoho

Old Lyman Stone (Vacation Land)

Merly Birch 965-8566
good contact for C. BRAZS
knows not about area

ARTHUR CHARLES MYRLE

Jim & Debbie MAKAWEO
P.O. Box 18
Pahoa, HI.

3 turtles adults 1♀, 1♂

Huiliang VENEZUES 959-6603

1 turtle, juv. 16" carapace

Rose Holt
who phone area
booker

1 turtle, 22-24" carapace

Percy Fungus
am 965-8344
wc 935-2991

possibly 3 turtles

Dean
OWREN

cont "Arthur" Pond #1 (MAIN House) 97

3-22-89 Wednesday

S 84.2 x 64.9
Curve 89.5 x 79.0
head 12.1

RFL Right γ -157 - LFL γ 158 left
Right hind γ 159

Cast of
3 photos
Photos
by
Dean

Tail skinned consistently / ♀

CAPTURED AND
BROUGHT TO Rubble Bank on Belly.
NOT turned over, - too heavy.

w/ Barry & I
holding turtle

Lots of snails (pipipi) seen here.
Patch of green Volonia in Pond #1
(Sample saved for ID)

3/22 Wed.

6:15 pm

FL 47

ALOWA Depart Hilo

TAG NO.

~~8980~~ - Returned tags from Brenda Becker
~~9000~~ found in old field bucket

3/24 Friday

SLP

OBSERVATIONS:

3 - Ace "3"s (central)

5 - Urethane foam (2w) some spray

2051 engrave w/ spray

Trace of pink / fingers

3 - "5" application (partially)

Blue "2" some off when scrubbed + Blk non-skid

Need to mark in mellow?

SEA LIFE PARK

Seattle Returns This week

C- 33.2 x 26.3
N 32.8

3/22/89

C- 35.0 x 31.5

Y-30 LFL
Y-3/R3-45

Lagoon

Blue "2" in, but small tank place

3/24 189

APPLICATIONS:

① Adventure Interior/Exterior
Acrylic Enamel

② Cary 4 - large "A"
Kerry paint = DECO-REZ COATING ASP1 Type 283

③ 2 Gold & 2 silver w/pens
"ACE" each side

Dead 1/3 - to freezer
OFF Hukilau Beach

3/27 Monday picked up at SLP
by me and taken to kenabo
in TANK w/ Munchkin

3/25/89 Olive Ridley turned in to SLP
SAT. by DOCKAGE. Steve Kaiser called
me Monday morning TAM at home.
Photos Turtle on cement.

Y-160RFL C-67 x x 72 (AT 5th
margin)

x 63.5 x 55.7

LAIE PL-45.4

TAL-30cm
22cm

RON
FLANDRO

officer
KEVIN
KONG

1/3 mile out

Middle's Head 11.5cm
293-7423

WAVE
JUDE

TANGLED in
net colored

→ JIM KOCHENOWER
→ MIKE SMITH

55-611 A
KAM Hwy 967b

Terry Lopez = 1989 Accession Catalog No. 11568
BPMuseum

"MUNCHKIN"

PL-37.7

C-50 x 45

S-46.6 x 37.4

N 45.6

7.7 head

~~PL-37.7~~

3/27/89
Monday

photos w/ Bronwyn
(Miki's DAUGHTER) CPZ abraded - no flap

original Data - 7/18/87

PUNAWU
OAHU

3/27/89

SL - 32.3

SL 46.6

elapsed time

14.3 cm

1 yr
8 months

8.56 cm/yr

1.67 years

or
3.37 in/yr

cross check
growth data in
Bio. 5y N.

Barry trip to the Big Is.

Hui Imi Club.

"PALAHOMO"

South Point
pond with
"NO BOTTOM"

Teleson

Donna Blewer

FWS Lagoon Nigel
FTS 796-42070

Y 109, Y 110 3487, 3488
bivalves to
Bob Moffit for ID.

3/30

Mol Student - Mollusk project

1309 KUUNAST.

KAILUA
96734

Jean Campbell

259-7951

EXT 36

→ home - 261-6548

3/31/89

ASPI PAINT

SLP

Friday
#39.80
gal.
P.O.

ROMAE Sales" 886 Iwelei Rd.

Iwelei - behind Salvation ARMY

536-8298

Up ramp above telecan

536-1305

Margaret

2987 ♀ w/ "cracked" shell (previously seen floating high)
8:30am on beach thru rain - lethargic?

Turtle moved to other circular point mark.
3/30/89 - NO apparent damage to

OBSERVATIONS:

- ① All Ameritane gone
- ② Silver Grafitti gone
- ③ Foam absorbs water
wears off when scrubbed
- ④ 2051 ^{router} with w/spray
Very visible (1" high engraved)
- ⑤ Small flecks gone from some ASP's
"K5"

3/31/89 Friday

Applications

5 Dutch Boy
Spray on engraving
Worn 50%

4/5/89 - oolest foam
wed noted starting to
lift - possible from
scrubbing glaze off surface.

- ① Merolac ^{white} spray - posterior margin
- ② Everlast foam w/c.r. orange 3rd central imbedded "252" plate
- ③ Zylonite olive - marginals
- ④ yellow orange road paint - post marginal
- ⑤ Goop - 3rd lats.
- ⑥ orange & red crayon
- ⑦ 4 scutes glued w/ finger nail glue
- ⑧ 2 "squares" ACE 2nd lats. put on w/ sponge "brush"
- ⑨ Henry tar - 3 central

Applications we used
HI (Hi Impact)
SM (Sanford Marker)
5 each = 10/10/89

OBSERVATIONS (all others except blow o.k.)

- ① Two glued scutes came off easily ^{while scrubbing} (NOT FLAT where glued?)
- ② Henry Tar peeling
- ③ Goop lifting, after shell dried
- ④ olive Zylonite, white Merolac and espec. orange road spray
FLAKING & peeling & chipping

Hilo
ALOHA

Address for Strand in 1988
45-525 Lulu Rd. Picked up at Kailua Beach
Kaneohe, HI 96744

836-1111 4/10 FL 414 8:40 AM 9:20 AM
4/12 FL 65 5:15 PM 5:56 PM

3/31 mixed WB feres sent to
FRIDAY Dennis Russell for ID.

3/31/89
Friday
afternoon

Barry & 2 of his fishermen assistants
to Kaneohe Bay to toward hard-patch
turtles near Kipapa where he has seen
large turtles. One turtle captured as follows:

KANEOHE BAY
3/31
Fl large barnacles on carapace
numerous skin barnacles neck and tail region
vesicles
2 papillation
SEL 79.5cm
SEW 59.9cm
Head 11cm
rt. flipper front 12.9
Female
CHF Y161
LF Y162
REF 3-4
3 DIM Turtles on
lf case.

104
AN "ANOMALY"

ALA MOANA
955-
4811
Rm 722

HAWAIIAN AIR =
537-5100

April 6 Thursday
FL. 208
9:50 AM
10:24 AM arrive
FL 137 3:23 PM
3:57 PM

HAWAIIAN
5375100

4/3/89 Pipipi BY ANA

snails from Kaneohe
collected
sent to Murray by Choy

2-7 APRIL 89 FIMD II (my presentation
Wed 2/5)

4/5/89 Wednesday

Wednesday Dolly (Del Monte) 621-1202

Roger McAllister
Called lab concerning 100-15016
live turtle, "bump" on shoulder
found in a gulch in KYNIA ^{27 mi} from
cave field. Barry Choy ^{Oce}
transferred it to Kewalo Basin

IN TANK - Seen 4/7 by me, Barbara
Schroeder, Sam Sogrove and Pamela
Plotkins. Est 80cm (♂?)
Massive tumors -- only slightly
sunken in plastron.
Two short pieces of line on front
flippers -- not entangled. Looks
to have been tied there.

Puako?

JUNE

HALLACHES - office 933-3364
Sci Div. 933-3383 105

"Do our best"
"cross that bridge when we come to it"

Have 959-5987

pete 885-7891 WAIMANA office

KONA TRIP

6 APRIL 89 KALOHO HONOKOHAU NATIONAL
Thurs. HISTORICAL PARK - PLANNING MEETING

Coliform test?
q.t.?

Salmonella?

picked up by
RANGER
HERMAN KUNAWA

David Chis' report on Kalohe

AQUAFOR System
PLANS "FOR ADJACENT DEVELOPMENT"

- ① KOKAWAIKI development - w/BLAST
- ② expand HONOKOHAU

see S. DOLLAR

see
Pac. Sci.
Brock
paper.

Part Service Personnel monitor

Monitor Marine Resources

- (turtles)
- Anchor Damage
- extensive overuse
- # boats/divers etc / day
- Honokohau impacts
- Corals?
- Tide pools

need-MLCD criteria

Bobber
Tm 106

~~3510~~

call owners Greenwell Family

Dive shops in hona

Need - Dollar report to Jim

NO
Such
report?

+ Rec. Plan to Cliff
Smith

KOMAR
Burt
Burton

AL. Howard = 928-8156
4/9 Sunday from 395-6409

PHOTOS
4/6-4/9+ Severe "BROWN WATER" FROM RAIN

4/7/89

FRIDAY

SLP received a green
turtle from person who found
it at Makapu'u.
Morphilament around neck
and front flippers - deep in are.
Swollen head. Seen by Schroeder,
Sadove and Kothins.

Hallacher 4/9 from 395-6409

JRH
Shannon 959-5987 8:30am

C=50
S=4

Released
Kareoke 6/6/89

10-12 APRIL 89
PUNALUU Bay

MOP/NMFS
project

4/10 call from DOCAEE "Reggie" - hauling tank.
 Head and shell of a butchered turtle
 in their possession.

4/13 Jay Lembeck DLNR 548-7837
 (note to Naughton)

4/14 SLP - OBSERVATIONS:

FRIDAY

- 1.) only 1 of the 4 glued scutes
 still on
- 2.) ~~Seal~~ all glue peeling off
- 3.) Marking pens mostly all gone
- 4.) "Gold" marking pen nearly
 all gone
- 5.) Crayons orange - moderate on;
 Red - gone mostly.
- 6.) Zylonyte blue badly worn/chipped
- 7.) White Minotac on but peeling
- 8.) left lat. Foam - gone (others
 on but worn)
- 9.) orange road paint - badly chipped.
- 10.) ACE "3's" just now
 unreadable (traces left).
 Affected by Algae?
- 11.) ASP's "k" look good.
- 12.) foam w/ imbedded tag - broken
 lobes of foam.

4/14/89
Friday
Les Tam - Tropical Medicine
wife Chocha
need (Marilyn Major)
Refers to

- ① Where at in reproductive cycle.
- ② Baseline levels for assessment of health status

Tijuana River
 Balloon's request
 County Parks celebrates
 PAT
 3990
 Suite 300c
 San Diego, CA 92110
 Knows Margie Stinson
 Old Town Ave
 Flanagan

4/18/89
Monday
MARW - ~~1999 page orig. to WCG~~
 "Turtles hatching"
 Week ago Saturday
 Under Bridge at Sunset Beach

2nd place "Rocky Point"
 photos sent to me

Nancy Lindstedt
 236-0156

4/18 telecon - Doug DeMaster

4/18/89 Physical at Honolulu
Grand Pac. Medical Group w/ Dr. Elmer Johnson

ED

Medevacs - 553-5702

4/19 call

Pick-up
TUES
①
MON-TUES
②
TUES-WED
③
WED-THUR

ALOHA 836-1111

Ki Holo

3 MAY Wed. FL 208 9AM - 10:15AM
5)) Friday FL 281 3:30pm - 4:04pm

BOOKLET #240. Png = #40 each

Need - Nissan Wagon ^{sole out}

Res. Budget \$13.99 329-0721

KONA
ALAMO = 329-8896
800-327-9633

Hawaiian - 537-5100

FARE YCA #31.32

9:50am - 10:24am 3 MAY wed
3:23pm - 5 MAY Friday FL 208
FL 137

Res. Dollars \$13.95 329-2744

4/20

hatchling
Bob Snodgrass - (619) 534-4099

concerning 2 Bl turtles from Catapagos
- only 1 alive now - 8%

4/20

3953-3975 (23)

sent to Pete Hendricks / Bob Nishimoto

4/20

Cenric Ho. Commerce & Consumer Affairs 548-5450
State Insurance Commission

Mrs. Robin K. CAMPANARO

Telecon brief check w/ Witham
Teacher - Doug Foster Am. Samoa High School Teacher

4/20/89 Start of ~20" w/ spear
Thurs. head in carapace, old
rusted, Turtle alive in pond.
DOCARO HILO

~~Aunt~~
~~Net~~
9/20 Goat IS, Lave Bay
Large turtle tangled in net, dead.
Dottie Jackson 293-1259
(Bruce Ebert's Mother)
AUNT

⊙ 7 yr children
♀ 11 yr children 98-500 KOAUKA LOOP
APT 169
AREA 96701

Curved
length
(w/string) = $32\frac{1}{4}$ " → 488-7973 home

→ Died in pond 4/26 Wednesday.
Autopsy to be done by
Dr. Marta Lapes - Nitta DVM -
She previously X-rayed turtle and
treated w/ Penicillin.
Herocladia bottles
sent in bottles
to Nitta

* = NO. ENGRAVED

SEA LIFE PARK 4-21-89

BBA401

TAG APPLIED

Friday

SL NL

111
NOTE
SPECIES,
SEX,
ETC.

EXISTING TAGS

LEFT	RIGHT	LEFT	RIGHT	SL	NL	NOTE SPECIES, SEX, ETC.
2987 *	NNNW751			96.5	-	Female.
2986 *	NNNW771			85.9	-	Female
NNNW775	2982 *			93.0	-	Female ^{crack} 1st Lat right
SIZE 1 FL	SIZE 1 FL			63.5	63.3	Female
	*8687 3-4			86.8	-	Male
	2061 *			90.7	-	Female ^{peeling} scutes
NNNW756	-			74.9	-	Male, long tail
5105 *	NNNW762			84.2	-	Female
5817	2070 *			78.8	-	Male
Titanium				88.3	86.4	Female ^{4 spots} of foam reddish carapice
15103 *	15104			65.9	65.5	Female
Titanium 15100 w/ blue plastic				94.4	-	Female
NNNW759	NNNW758			84.6	-	Male
	8680 *			79.4	-	Male ^{vancouver?}
* 3282	15092 ^{orange} plastic			80.9	-	Female
* 1st Lat. L.	NNNW763	new	new	79.4	-	Male
		Y32	Y33 *	80.3	78.9	Male ^{Logger head}
NO TAGS				80.0	78.6	Female
15101	2499 *			83.0	81.7	Female
2985 *	6493			85.5	-	Female
15105	2984 *			74.4	-	Male
3287 *	6495			81.2	80.3	Female ^{brown & gold} carapice
NNNW772 *				81.7	78.2	Female ^{W. Samoa Hawk-} hard grinding bill
NNNW767 *	*3285	new		88.9	87.1	Female ^{gold} brown carapice
NO TAGS						
9905 *						
6498 *	5608 ^{thru} 2nd scale					
	NNNW752 *					
6496 *	15102					

4/21/89

Observations:

Remaining on
GUAM - as per
Gretchen
Grimm

FRIDAY

- ① "ACE" wearing
- ② 1 patch ^{Good} ~~seal~~ all still on
- ③ orange wood paint spots present
- ④ ASP good ^{pellwhe} no scratches

Applications:

- ① 4 "C5" bottom paint
- ② 3 "35" INTERNATIONAL PAINT
- ③ 2 patches 2-part AQUA MEND epoxy putty

~~Monday~~ 4/23/89 ~~same crew at~~
 2'- Portlock Monofilament
 and ~~rod~~ hook
 Telem Chuck Hieb
 2046 OSWALD Rd.
 Honolulu, HI 96816

Didn't have a knife w/him.

DAVE D'AMO
New Generation Productions HLO 113
935-9735
4/24
Telcom

Brent Norberg - NW Region

4/24 Luciano - Nat. Conservancy

M W F 7pm Tom w/Caysan

SLP 4/24/89 TUESDAY

OBSERVATIONS:

- ① MDR rope dip - all gone
- ② Red bottom paint has some scraps - from ^{rubbing by} juvenile now

ONE MONTH

- ③ "ACE" in tank too? becoming worn.
- ④ ASP "Ks" looks pretty good.
- ⑤ ONE PATCH GOOP STILL ON.

APPLICATIONS

- ① Liquid paper "Cs" with red Cs

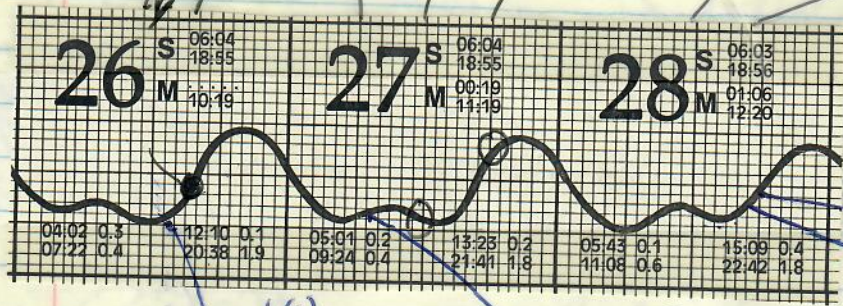
- ② Clear Lexel "Ls" slow dry

- ③ Mirrolac white "Ks" - ^{not} Does dry very fast!

- ④ Silver Streak - various "Ss"

ELLIOTT JACOBSON
APRIL 25pm - 3 MAY 1989

Wednesday Noon 3pm
 4/26/89 Wednesday
 6am NOON 6pm



AM - TO Kewalo Basin
 Thursday
 Friday
 snorkel (1) twins
 scuba twins (2 capture)
 leaf-sandbar (1)

26 APRIL 89

Wednesday

Freshwater Discharge ?

TO Kewalo Uncle Hee - with Stephanie & Elliott Jacobson & Barry.
 TO Twin Reef - snorkel dive 12:30
 1 subadult w/ tumors. Perhaps 10 others seen - from 40cm to adult. Likely 2 others seen of 10 w/ tumors.
 Later to ATTUOLAKA - checked on it periodically until 4pm. only two juveniles seen. one had tags.

TMR Turtle held at Mr. Hee's overnight.

27 April 89 Return to Waikane - Hee's Thursday BC & Scuba twin reef

9:45 - 10:45 AM.

2 caught - 1 ADULT MACO - NO
 1 Juvenile - TMRs

one got away - bad tumors. likely 10 other turtles seen - all sizes. Surgery by FJ as yesterday

HGT 1. TO Kewalo turtle - HGT 2.

Pagoda - 941-6611

MR. HEE = 239-9009

need Petro, 115

FED. Express

HAL CREEZ

427-2237

5/3/89 Telecon
NOAA

4/27

Dr. →

Sidney Simpson - (312) 996 2213

Have phone - 312-864-5792

5/1 &

5/2/89

NOAA General Counsel
FOR FISHERIES
1335 EAST-WEST HWY, 9th Floor
SILVER SPRING, MARYLAND 20910

2509 HASTINGS
Evanston, IL 60201

HE took photo of
"light colored"
"green"

Damon Job - East IS. Barrel
Morese

Nixon Griffiths Fund for
Zoological Research
NY25

need

→ MAP of Tumor Distribution

4/29 SAT.

telecon DO CARE

Duane - cons. hotline 8:15 pm Sat.

4/28

elliott TO BIG IS - NOAA

elliott Seminar 10:30 am. 2:30 pm TO HEEs.

FRIDAY

Motored to ATHOLAKA - PATROLED HALOPHILA
edge. 3 leaped on, but only one of
those caught.

4:30 pm to TWIN REEFS - SCUBA,

3 CAUGHT, 2 of which had tumors.

These two transported to
Kewalo for Monday biopsies.

4 TOTAL (1 ATHOLAKA
(3 SCUBA)

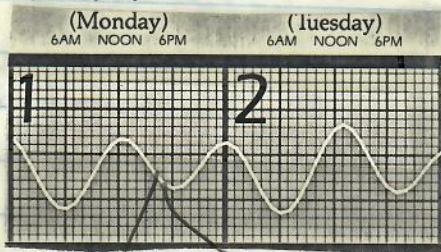
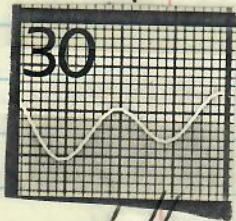
4/30 3:15 pm Choy & Bakers to Sunday Sand Bar - Patrolled back and forth - Saw 2 turtles, but neither suitable to jump on. Numerous (4-6) "skulls" - brown backs look like turtles.

~ 4:45 pm - to Twin Reef. Scuba and in islet time (30 min) 2 subadults captured - both with tumors. Held at Mr. Hees.

April 89

SUNDAY

MON.



Twin Reef 2 captures (both TMRs)

2 AHVOLAKA (1 TMR)

2 Twin Reef (1 TMR)

MAY 89

5/1/89 w/WAYNE MONDAY Twin Reef 24.5° C Seawater

3 pm - patrolled AHVOLAKA

3 seen, 2 captured (1 is a recovery w/TMR TAG)

4-5 pm Twin Reef 2 captured (1 is a tag rec. w/TMR)

"M.E.M." = Minimal Essential Media

shipped

HGT

HGT 1 & 2 shipped 4/27
HGT 3, 4 & 5 shipped 5/1

Capture date	Tag No.	Straight Carapace			Curved Carapace			P.F.F.	Tail	Eid. tumor sample No.	Location and Comments
		length	notch width	width	length	width	width				
4-5-89 (Released) (5-1-89)	Y-212 Kahese Y-213	80.4	79.5	67.5	85.0	82.0	82.0	-	13.7	HGT-2	Kunia. Wld at Kewaio. photos Adult female. Twin Reef. Photos. C-20, P-4
4-26-89 (Wednesday)	Y-164* Y-165	73.1	72.5	56.3	78.5	72.0	72.0	11.0	-	HGT-1	Twin Reef. Photos. C-20, P-4
4-27-89 (Thursday)	Y-170* Y-171	48.0	-	37.1	52.0	45.0	45.0	40.2	7.6	89.69	Twin Reef. 11th MS left - MISSOURI
4-27-89	Y-166* Y-167 Y-168 Y-169LH	86.5	-	-	91.0	-	-	68.2	12.1	14.7 35.4	Twin Reef. Adult male.
4-28-89 (Friday)	Y-172* Y-173	42.9	42.3	34.4	45.5	41.0	41.0	34.4	7.1	7.0 8.5	AHU-O-LAKA C-27, H-4, P-86 Twin Reef.
4-28-89	Y-174* Y-175RH Y-207 Y-208	73.2	-	57.4	78.5	74.0	74.0	59.9	10.6	11.3 15.5	Twin Reef. Photos 5/1.
4-28-89	Y-209 Y-210 Y-211*	70.6	-	58.3	74.5	69.5	69.5	56.6	10.3	11.7 17.0	Twin Reef. Photos 5/1. C-35 P-5 SUTURE
4-28-89	Y-214* Y-215 Y-216LH	57.4	57.3	47.2	61.0	54.5	54.5	46.7	9.1	10.3	Twin Reef. Photos 5/1.
4-30-89 (Sunday)	Y-217* Y-218, Y-19LH	-	-	57.2	75.0	69.0	69.0	57.1	11.0	11.5 AMP.	Twin Reef. Photos 5/1.

	Y-221 Y-222LH	71.5	-	56.7	75.5	70.5	59.0	10.7	12.4	14.0	-
5-1-89 (Monday)	Y-223*	41.4	40.1	34.3	45.0	41.5	33.0	6.9	7.6	6.9	-
5-1-89	Y-226*	71.8	-	55.9	77.0	71.0	57.8	11.1	12.9	18.0	-
5-1-89	Y-227 Y-228RH Y-54* Y-55 Y-56	51.4	51.3	40.7	54.5	49.0	41.6	8.3	-	-	HGT-6
5-1-89	Y-80* Y-81	44.4	43.9	35.8	48.0	42.0	37.0	-	-	-	HGT-7

* = tag number engraved in carapace.
 C = barnacles on carapace.
 P = barnacles on plastron.
 H = barnacles on head.

foam as embedded
 but scratched
 6/20/89
 K's visible
 6/20/89 → 3 K's visible, one on posterior
 PVA 2015
 Note:
 Cit. on Uni Elec

5/4 Thurs. Seattle Turtle with 681 Tag put into Lagoon

Dawn = Sun

SEA LIFE PARK

Observations 5/4 TAG 20511 put in Lagoon. 5/6 Entangled turtle also into 20' SAT.

LAGOON

2 wks since last visit Applied 3/24 Applied 3/24

- 1. "Ks" ASP all very durable
- 2. "ACE" readable but scratched
- 3. "Cs" bottom paint - scratched but readable
- 4. Mirrolac white - much gone
- 5. All foam has bites.
- 6. No silver streak
- 7. No Liquid paper
- 8. No clean label

CAEY
Chriswick (NO APPLICATIONS) This date

Photos ASA 200 w/flash of 2 boosters

5/21 Sun "K" - all easily visible - 5 of them - but w/scratches

5/27 SAT All Ks visible BUT SCRATCHES

"ACE" - Small traces only.
NO Bottom paint - only small pieces of foam
NO white Mirrolac - No plastic tag that was imbedded

OBSERVATION
New turtle? No
6/6/89
ALL Ks but scratches

~~Demaster~~

~~Glynis~~
~~throw-away 110 camera~~

~~KATAHIRA~~

Dr. yaf
John - MOP

TA& Placement photo

work w/ her on basket

extra springs

Cit. on Unit Electro

Picked up by John Naughton
Thursday - 4/27/89

Diane Kelce 263-6254
562-E. N. Kalahao "18" green"
Kailua, HI 96734

9 MAY PROGRAM REVIEW Tuesday

- Species profile
- "Environmental standpoint" perception.
- Trying to look at whole area.
- Distribution & numbers.
- Task level Hilites.

Broad-based multi faceted program of MT research, science and customer service

Responsibility - Responsible

"Collaborative Efforts"

scientific admirable fashion
Holding down the fort, excellent percept. by environ. & other community, with very limited funds.

Network
Close contact w/ colleagues worldwide

MitoDNA
* Bowen, Arise & Meylan
Proc. NAT Acad. Sci.

Budget/personnel
Jerry - collaborative

6/20/89 → 3 K's
visible.
one on posterior
note

up 5/2/89
MR. HEE
1915-20
OKINAWA

MARK PUT
ON Turtle shell

上

5/6

9:10 AM K-Boy ~~HAD Tumors~~ Dead Turtle

Les Chatterton
State Marine Patrol
261-0015

To HUMB

by never seen
Taken
June

sent
534-A
Kaulani way
96734

Bob Ferguson indicated that someone
from DOCAFE picked it up Sat. or Sun.
Kawa said "no"

Kaitia

letter ED HIRATA → Kawahe

"Wayne" - HUMB Bill Tyler

Kawa later
his man did
it up. 3
Missing
582
Wes
no.

HPA #7 Kihoko
3-5 May 1989

GHB &
BC

N. Lindsay - 236-0156

5/12/89 - A2 NECROPSIES (BCR GB)

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

DATE: 5/12/89
SEA TURTLE
SUBMITTING ID NO. 0427189

Submitting Prosector: *Max Felce*
Address: *Kailua Beach*
Phone:

Genus	Species	Carapace LXM	Plastron LXM	Head W	Weight	Sex
<i>Chelonia</i>	<i>mydas</i>	Str 41.0805 Curv 43.0385	Str 32.5	6.9		M

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding location, date and time of autopsy, etc.)
as tank full capacity.
Algae sample from fore stomach
H2S from pyloric siphon + 10cm low SM.Int.

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

DATE: 5/12/89
SEA TURTLE
SUBMITTING ID NO.

Submitting Prosector:
Address:
Phone:

Genus	Species	Carapace LXM	Plastron LXM	Head W	Weight	Sex
		Str 67.2 x 54.9 Curv 72.0 x 66.0	Str 53.9			

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding location, date and time of autopsy, etc.)
sand on head
Bloating
TL 15.0/9.5
Emaciated 100% Full
ben slash precentral scute
Blackish opaque scutes damaged (Rocks)

quintal 220.46 pounds
metric ton 1.1 tons

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

DATE: 5/12/89
SEA TURTLE
SUBMITTING ID NO. 0325189

Submitting Prosector:
Address: *East IS Laie Bay*
Phone:

Genus	Species	Carapace LXM	Plastron LXM	Head W	Weight	Sex
<i>Beptobolus</i>	<i>olivacea</i>	Str Curv	Str Curv			

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding location, date and time of autopsy, etc.)
Y-160
Dead from Olive Ridley
Turt 28.0/19.0

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

DATE: 03/29/89
SEA TURTLE
SUBMITTING ID NO. Rick Kimak

Submitting Prosector:
Address: *Laie Pt*
Phone:

Genus	Species	Carapace LXM	Plastron LXM	Head W	Weight	Sex
<i>Chelonia</i>	<i>mydas</i>	Str 37.5 Curv 40.5 x 30.0	Str 30.3	6.3		F

HISTORY & CLINICAL SUMMARY: (Water quality; environmental contaminants, stranding location, date and time of autopsy, etc.)
6cm Y shape laceration into body cavity on the plastron
TL = 8.0/5.2
RHF = 14.7
LHF = width 7.8
RFF = 6.4
Codium + red filaments? (sample saved)
No plastics

milliliter	0.27 fluidrams
centiliter	0.338 fluidounces
deciliter	0.21 pints
liter	1.057 quarts
decaliter	2.64 gallons

UH Bookstore

WH6BLQ
George H. Balazs
992-A Awaawaanoa Place
Honolulu, Hawaii 96825

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