

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

APRIL 93 - MARCH 94

G. H. BALAZS

2 OF 2

Bennetts
669-6580

Lew EHRHART Beach = 59
(407) 729-6239

8/4/93 Kualoa - Pat Wrath ~~877-31~~ 237-
Beach Parks & Recreation Div AV 8525
Aunt Park Box 4042, Kaneohe 96744

~~Mark Jacor Need Address eye witnesses tel. NO.~~

8/4/93 Caroline Martin (mother) Florida
2pm Danae Leigh (daughter)

TOM = 7 MARCH 93 6 pm
Throw net case? - Took turtle at Punaluu

- Name of Defendants? State/Fed Court? ^{turtles}
- Throw net case ^{no Hawaiian}
- Copy-cat UH tagging, 8/54 people pleaded guilty
- Punaluu - History of turtle take & poisoning
- Taken at out-of-way spot
- 100 lb valuable - on the road to maturity
- Most desirable -- didn't let it go

8/6 Friday Necropsy of 2 Bellows olive ridleys
and one hawksbill (Kawai washing)
died in captivity.

need - Strange parasite eggs seen by Bob
Send TO in white nodules on hawksbill intestines.
Soborai

8/7 Call from John Wilson regarding
SATURDAY taking fish and hook off entangled turtle
KYOKO MATSUMOTO at Canyons
RYOKO " this morning.

Ridiculous
Request
Demand
Me, Jr
main
biologist

8/6/93 Friday
Attempt to cut off transmitter - SLP
Need: Brill Pad; Paper towels;
respirator wash, extra wet tools;
file or paper.

8/9 - Live hatchling found in egg box from
SLP mortality p. 72 ATTACK

Websters New Collegiate Dictionary = 1) to set upon with forceful
4) to begin to affect or to act upon injuriously.

104. is it
my
since

Shank list note

TR10

not all
ie
L.A. Times
Thombs

where is your
definition
reference
from? what
publication?

1) Complaint is with reporters, not me.
2) All these years of submitting GHBuyers
never mentioned same. only praise
("ie several that may be...")

3) Any bite on a human, alive or
dead = risk assessment

4) Issue won't go away if cases
are out - way ~~to~~ increase concern, ie L.A. Times

Which cases
do you want
covered - up
Many of them
STRAIGHT UP
Keep
Problem

5) List as stands with prominent footnote
qualifications is fully justified scientifically

6) Don't want any list. Especially not one
For example ISAF - just available like
mine. cut of sight cut of mind.

7) focus on reporters, Sherman Lagoon,
Florida Cotten

HMB
Stationary
Chow HMB?
ACROSS
SUPPORTERS

8) Answer given in Jim Berg Book (xerox preface)

9) Refer to Perry Gilbert see Baldridge
TYPE of listings

10) Send to: JN, PATY, Randall, Taylor, Honebrink

6. St
head
7. Sh
Meyk
8
10 A
9
TUES.

3 AH
7 Am

URSULA

669-6580

different turtle seen?

GLORIA - JIMAR project

61

956-8083

#2003

Call Mr. Rice = Tel. home = 885-4865

(9) - (14) AUGUST 93 ~~FLORIDA~~
Melbourne
3 working days = 11th, 12th, 13th
14 greens Worm Reef, 29 greens Beach, FL

No Bulkhead seats, BOEING 767^{SEATS} 9A-B JUNK!
Call/check United for departure Sat.

- Needs:
- 1. Fisher 20ml Serialisation Vials
 - 2. Astro turf "carpet" for turtles
 - 3. ID Stomach Flush; ID Lagoon drift collection
 - 4. Veterinary Pump
 - 5. Fresh ectoparasites to Larry, Frozen dead exchange to Bill Redfoot
6. Slide of head photos - FL
7. Short Bites - Meylan? Schroeder?
8. Metal detector
9. LARGE SUMMERTUBE
- WRITE A publication COMPARE forestomach with & without

10 AUG. 93
TUES. Arrive Melbourne Beach ~ 1pm - Jolly Roger Motel

Drove to Vero Beach 20 miles South.
Alt Hwy - Barnes Island with Indian River, Intercoastal waterway, landward.
Met Lew at ~ 4pm - Holding small green that had been caught last week and sent to Larry Herbst in Gainesville for biopsies and blood sampling. Lot of sutures present.

19 - 11am walked Melbourne Beach - 4 core units to Archie Carr Nat. Wild. Refuge. This year 47km monitored by Lewis, just now surpassed 10,000 nests (that is an average year) Greens - 50 nests compared to 500 last year. Usually just one or two leatherbacks.

2 Attack & Abelligerent or antagonistic action
7 Am offensive or scoring action.

M/ LINDA - office
 944-0269
 944-0250
 PAGES 576-4747

~~8/9/93~~ DR. BROWNSTEIN
 41-1105 KUHIO Hwy
 KAPAA, HI 96746
 Tel. 822-3431

wed.
 8/11/93
 Cont.
 TAG
 ID#

Metz Bowers boxes
 Florida

TUES 8/10
 9-11am Lew says this is late in year for loggerhead nesting. Found 2 nesting - student used bicycle to scan beach. Generally dark on beach, but some ^{night} lights from apartments/houses. Carefully watched as turtle drop eggs. Photos of Tracy taking eggs out after cover up in order to count accurately. RFF 1/2 missing. Maybe shark. SL=98(gm) CL=104cm
 [Tricolored 625 tags with UF Gainesville Address + Reward in English & Spanish. Applied three scales. Photos (flash not attached right) then flash w/popup. Then with 300 external.

8/12
 Thur
 Ne

8/13
 31.0 kg
 10.8 2
 13.6 3
 30.5 4
 27.5 5
 10.3 6
 25.0 7
 47.0 8
 26.0 9
 10.5 10
 12.3 11
 29.0 12
 23.0
 11.2

8/11/93 Wed UP 720AM to Sebastian Rec. area to launch for netting using 500 yards of net Set by 9pm. 7' deep. 30°C seawater. All drift algae on bottom. Net out ~ 4pm. 4 loggerheads and 1 green (no tumors) pure white belly, skin. NO fouling on skin. 2 loggerheads caught right away - first hour.

LIST OF SAMPLES Collected - Florida 63

MELBOURNE BEACH, FLORIDA

wed.
8/11/93
Cont.
TAG
ID#

1. Lysine Slide - imprints from 2RS biopsy.
2. " " " " " Shoulder Skin.
3. " " " " " " "
4. Subsample of Flush by Bill Redfoot - Algae
5. Algae assortment from "drift algae" in ~~the~~ netting area. Silt bottom/w/drifts ^{on} bottom.
6. Both kind flipper tracing.

8/12 with Barbara Schweder - 3 loggerheads 1 green
Thurs. Need Bill Redfoot (407) 330-5127 home
INDIAN RIVER LAGOON NEAR (ACROSS from) Sebastian Inlet WEST SIDE.

(kg) 8/13/93 FLIPPER TRACING

Weight (kg)	ID	SL	DATA
9.0	1. N2378	(53.7)	N
10.8	2. N3165	(41.2)	N
13.6	3. N3161	(45.9)	N
30.5	4. N3176	(54.2)	N
27.5	5. N3177	(54.3)	N
10.3	6. N3168	(43.6)	N
25.0	7. N2400	(53.4)	N
47.0	8. N2399	(67.0)	N
26.0	9. N3168	(52.0)	N
10.5	10. N3162	(43.9)	N
12.3	11. N3167	(44.8)	N
29.0	12. N3163	(53.4)	N
23.0	13. N3164	(49.9)	N
11.2	14. N3178	(43.1)	N

All kg ALL CAUGHT

Send Frozen
9.5kg turtle
N2396 (43.3)
N2398 (61.3)
8/13 10' deep net AT "AMBER SANDS"
From Dean BAGLEY
① N3169 (60.3) 42kg
② N3170 (39.3) 8.5kg
③ N3171 (38.0) 7.1kg
④ N3172 (32.9) 4.4kg
⑤ N3173 (40.0) 7.8kg
⑥ N3174 (29.2) 3.4kg

"Dean" will trace 4 more to equal 20% total prefer > 60cm

NORMAC Skin Melbourne Beach, FLORIDA

8/13/93 Shoulder Prossis =
one turtle = one slip w/ multiple imprint
per slip

Need to Send to	JAG Numbers	Shoulder	13. N 2396C	14. N 2396A	15. N 2396B	16. N 2398A	17. N 2398B
	1. N 3178	"					
	2. N 3177	"					
	3. N 3163	"					
	4. N 3164	"					
	5. N 3161	"					
	6. N 2378	"					
	7. N 2399	"					
	8. N 3166	"					
	9. N 3162-A	"					
	10. N 3162-B	"					
	11. N 3176	"					
	12. N 2400	"					

Biopsy Punch site
Punch from R25

Photos Show:

- Small Hind Flippers
- No Scales in ventral Tail region.
- Color

Need Bill Jackson (Kahalun Beach Park)
P.O. Box 1506
Kealahou, HI 96750

Need
\$5 to
Schave

Need
Sunday
8/15

Mon. 8
64
Tues
7 AM

MO

do
No

COMPAN
Save Ho

WIDTHS
PULL
H

NOETIN

H30

Copy from

TRAN
OK

EXAM
BAG

RA

Beach Florida 65

- need
- Nit, cultures fill (very import.)
 - Samples
 - Fed express (Lig Nit.) GET Melbourne
 - call Klein - street address
 - list (make list) info on cryo vials (try not to thaw)
 - Mail Morris put out of report
 - Russ get resin, Brushes, cloth cut - all needs for 3 trans, always put on 2 cups

need
 Sunday 8/15 10AM
 808-943-1276

charged from 619 365 4576
 bill TO 943-1240 3rd party
 bill TO 943-1276

Mon. 8/16 (407) 729-6239
 6:40pm 9431276

Tues 8/17 7AM recent W938 Laysan Island Turtle tag recovery.

NOT TOO L
 " seen MAUI Resighting on Scuba
 K11 Makeva Denise Ellis 8/14-8/5/93
 5 caves

need STAFF
 HiLite ① Routine ② DR. Larry Herbert
 Dr. Lew Schraub

- Jean Bagley send SASE + address to Lew

- mDNA lysine slides

- Tom - Melin Foundation

green
 Surf's Amber Sands
 Sep. bottles floating
 by him.

COMPARE
 Save HEAD

" Ric
 - Steve TRACY

call Lew ① polylysine slides
 ② Cytology spray

WIDTHS
 pull out for
 Hawaiian
 equivalent
 sizes

MORTIMER

PAUL
 Klein Sundberg

ATTACHES
 HERE?

③ Tom - surf
 ④ Transmitters (send proceedings)
 Car. Refeal

H3O
 Copy from Boeg

call
 ① Tissue
 ② #15K
 ③ Separate project

TRAVEL
 ORDER

Peter Craig ① SATELLITE
 - EPIRB
 ② BOX

* Bennett
 669-6580

Rice
 885-
 4965
 home

EXCESS
 BAGGAGE

- recorded Strandings in Hawaii
 are Minimum numbers.
 William compute M/F ratio in strandings
 by size classes.
 - 2 Ridleys, 1 hawk to Texas? call
 - Las Vegas bid



EAST ISLAND

- FFS needs = MOTO TOOL (2) DRILL BIT That FITS 67
- (1) Sleeping PADS (check term) (4) LARGE Long PLASTIC bags
 - (5) TITANIUM WIRE (6) VIALS for TICKS (7) BUSINESS CARDS
 - (8) RAIN JACKET (9) CAN OPENER (CHECK TERM FOR FOOD AND DRINKS)
 - (10) CAMERA, FILM, FLASH, AA BATTERIES (11) DRIED FRUIT - RAISINS
 - (12) EPIRB/STROBE (13) ~~WATER~~ Dry BAGS (14) SAT. TRANSMITTER & Receiver
 - (15) Binoculars (16) Fresh Headache medicine (check VIAL date)
 - (17) Shovel (term) (18) Toilet paper (19) Chair (check at term) (20) Tick Repell (WATER CONTAINER)
 - (21) SUNSCREEN (22) Dive jacket/gloves/Hood (23) Lights ^{extra} Bulb
 - (24) Long sleeve shirt (25) Tabbies (26) Towel for stulle
 - (27) Towel for me (28) Accurate clock-watch (29) Sunglasses/hat (30) white paint
 - (31) Propane/pen/matches/cup/spoon/decaf/plate
 - (32) AAA Batteries (33) First AID kit

1 night EAST
1 night term?

SLP concern floating ^{hawkbill} turtle; Bitten on butt

8/26/93 Dr. David Bersovici 956-9717
Dept. of Geophysics
UA
sent

Telegram 8/18/93

Maui - Bennetts

8/12/93 Lost dive - now muddy (again) but
no rain. From Thurman Sw

~~No " A55 seen by Ursula (one of 3 tags)~~
~~but A2 - A150 sent to Jean Louis~~
~~for New Caledonia.~~

Dave Lewis - Roddy's brother

Leatherback 40's cm hooked ^{near} ^{Sw}
reported longline ^{Saysaun} ^{Sanoa}
8/20/93 by Gil Grant
Peter Craig

~~Need to TIPS~~
~~enter logs~~
~~made on~~
~~TRIP~~

Mon. Wed.
23-25 AUGUST 93 GHB&PM
FFS Attached 4803, 4804

27 AUGUST 93 Waikiki Canyons
Friday RM&GHB Seuba - 50 min 35'
Jeff Miller BW on snorkel

300 ft
sid
174

9/9/93 Hawaiian Airlines 537-5100 AM. SAMOA 69
YCA #747,00 FL 465 5:30pm → 9:55pm

62"

IMP WGS
2 pieces each 70 lbs = 140 lbs #2 per lb excess

10/6 FL 466
11:35pm →
10/7 5:40am

PAUKUKALO

8/19/93 Reggie Williams
242-0793

Shark attack
Victim at
PAUKUKALO
MAUI

Couple 7:05am
DAYS RAIN
had been there
1 hour
guy 30-40' away
Murky in river mouth

35 yards - paddling out.
from shore

no feet
sharks
spots when
rolling over

6'3" Board
Grip
right hand side ribs
(scrapes and bruises)

Couple scratches
Was hit and flew off board,
rolling around board.

T&C
Black &
White
mixed

5" 13 1/2" diameter
in Crescent

Mr. Reggie Williams
P.O. Box 1023
Wailuku 96753

TAO Stream

other future
shark attack
p. 90

Jeff Miller ^{need}
(HISCARD)
Pagoda tel

Need = Hilo Article
from A. Kam
* need - cc mail with
Re 8/28 Pongu
* Status
of Zodiac at
Kewalo

Need
Ann Reed
190 Kuumole Pl,
Kaiwā, HI 96734
Voice
Video

need
Resighting - Ursula Bennett 8/21/93 need
Haukousi
Turtle A354 ≠ TUTU

8/30/93 Carge "Amphipods" from Lanikai
sent to Bill Cooke for ID

8/31/93 17 Samples ^{FLORIDA} typos slide swabs sent
to Branco Ialic British Columbia

Van - DOCARE MAUI

need?
"543" seen

4803

ARGOS - CHRIS ESTES (301)-925-

Program #

ARGOS LISA = Telecon 8/30/93 AM 4411

1092

23.7551 #3 166.1701 8/30 HST AM 4803

8/31/93 Telecon Brooks Tamayo
sent Mr. Kelly DEPONTE

227 Nihau Street
Kahului, Maui, HI 96723

Need to see POCAPOD.

Then
35mm
Slides

Saw a turtle resting at Kehei ~~SUNDAY~~
night 8/29, 10pm while fishing 10-15 yards
from ocean at an area where vehicles
frequent. Actually a dirt roadway.

8/27

~~8/28~~ ^{FRI 10pm} Saturday night Shipp reported
that a car swished a turtle on
the main Kehei Rd. Recall Dive
operator - turtle seen by word ~ 1992?

North Kehei's mud flat area
Sugar Beach

Aunt

30' from beach to road -
other side is Kealea Pond

SMT
Box 40
Kihuna, Maui
96753

Valerie 875-4990

STraub PR = P.J. O'Reilly 522-4395

400 Fox Street
Need Suite
TO 880
813
Send

Guy Sibilla 521-5297

Robert
DR. LIPMAN FAX = 522 4240
522-4560

KBay Sailor 522-3220
8/31/93 Telecan "Heart" Straub Clinic & Hospital
888 S. King

Endoscope - Bill 96813

~~Steve Junio~~ → 242 6370 Steve
~~521 3415 James~~
9/1/93 ~~Jim James~~ The Maui News - reporter
re: 8/27 ~~auto~~ Friday night
auto-hit turtle.

as per batten Sean Jim Cook
Shawn Martinez - Longline Fisherman
- Pacific Ocean Products -

8/9/93 ^{message} Robin Black - Big Isle Film & Video
(Kahala - "Floating City")
969-7400 969-2627 Pages

Seans Cellulose
AT & T

Helen
Mar
351
92
9265
9/3
Friday
perfect
clean
scut
under

off
↑
9/4
Feb

[Complete
"en"
- pro
C

Helen
Martins
351
92
22659
FAX

Need -
letters of announcement
invitation Dr. Roger Zimmerman
Acting Director, Galveston

★ Need Bolten travel order info before late Sept.
Address, FAX, phone in AZores
Need Jeff Miller Travel order

9/3/93
Friday

Removed by protocol saw both
dummy transmitters at
Sea Life Park - male from Vancouver
(wood) age 2495 female telon's dummy
Subadult hawksbill fin lagoon - hole
bitten bad on back of neck.

perfectly
clean healthy
snouts
underneath

Jim Watt - 324-0607
322-9528

Office (407) 823-2970 - Dept. Biology Central Florida Univ. Blvd.
4000 Central Florida
UNIV. ORLANDO, FL 32816

Bill Redfoot = (407) 330-5127 home
Lew - Melbourne beach = (407) 729-6239

9/4
Febem

Kathy Soon ^{sp?} 841-0778
Dead turtle w/ tumors 1 month ago
N. Shore. Seen in water
floating near Waimea Bay. Not
retrieved. Also says "no" - not good.

Need

[Complete?]

Lavender 3mm DEANNA CHU
CAP.

Kline-Smith Manual Blood Cell
Counts
SMITH KLINE
Beesham

"Ellen"
- Planning
- Council

Ideas for Symposium presentations:

1.) Behavioral changes of
green turtles in the Hawaiian Islands
Kahului Power Plant;

2.) ^{3/94}Ecology and growth rates of
green turtles at Punalou Bay,
in the Hawaiian Islands

3.) ^{Done 3/94} Rose Atoll Sat Migrations

4.) Flipper areas

Bennet

Message converted
Calvin Ah Loy (DOCARE) via Skippy Hau (DLNR-Maui)
08-22-93
Mala, Maui
No tumors
SCL=45.4cm
CCL=35.6cm
Wt.=29.0#

KAHALA 9/22 off
HILTON

734-2211 Karen before Dorothy Tony 75

9/7/93 Fides Maui frozen turtle to
Tues Lew Ehrhart - #ID = 8-22-93
29 lbs - + 3 pliers. No visible tumors

→ Telecon

→ Leah Lotman - MOP student Hilo

PBS Phosphate buffered solution ph 7

Telecon Jennifer Fleetham ^{20 liters} DAVID Fleetham
- Maui Diver
661-0674
874-9354 Sawk 11
FAX 879 8155

1295 Sokihei #1602
Kihei, MAUI, 96753

Need
need

Joanna PEGUM
The Primary
LANGLEY Upper Green ESSEX
CB 11 4RZ UK.
Sato trucking

SmithKline #13 CBC "Laender top?"
Deanna CHU

Need
Sally
Sal

CRIS BALUBAR
PAYROLL #7451; JATWTK
Box 964
Kihei, MAUI 96753 Tel. 879-3848

76 sent

9/9/93 Telecon Ms. D. Velez office KEI
110 EAST 42nd St. Suite 1419

NY NY 10017
Tel. (212) 983-7479

Telecon 9/10/93 Jim Stiak (Mawi) 879-2665 ^{ENTYrometer} writer

"Satellite" bags - Plasma extractin bags
Plasma separation bags

Doug Iwamoto 737-7910

~~CAFE~~ ANIMAL HOSPITAL
up 500ml bags

9/13/93 [Eddy Lewis - DOCAFE KONA
Kittolo
DOCAFE
9/10/93 7:30 - 8AM

But 310
Capt Cook
zip = 96704
officer went 2 pm same day

9/14/93
348

2- 70lbs

Hawaiian

H+L+W 2 ~~60~~ 62"

Sunth/Kline - 77
\$323 Petreor

Large Igloo
15x17x32 =

hard carry 10" x 13" x 18"
64"

(Radio Igloo = 9' x 13' x 15')

→ 947-3506

AMANDA -

9/14 2 tumor slides

955-6418

Sent Les Taniyana
JEA Hawaii

P.O. Box 10460

Honolulu, HI 96816

9/13

Met Dr. Robert Lipman

522-4560

Straub Radiology

522-4000

FAX 522-4240

Need followup

Dan Carlsons

261-6561

#9 PUKANI

Kailua 96734

Last night - ae hatchlings alive -
"green" color

SC=51.8

43lbs

Healthy

GHB & BW

K Bay

2 captures

1 for MRI

15 Sept 93

1 time V465

other box = 21 + 22 + 22 =

65

Cardboard boxes in A2

Dell 24 + 14 + 23 = 61

Dell 23 + 17 + 23 = 63

Dr. Robert LIPMAN DOREEN - MRI Technician

9/18/93 STRAUB MRI 12:30 - 6 pm
Sat. 2 Turtles:

(1) Normal Caught 9/15/93 KBAY
SL = 51.8 cm / 43 lbs

(2) Tumor strand ID = Maui 8/28/93 SL = 50.0 30 lbs

Trapped Injections IV with "Gadodiamide" to
K201 K202 bilite tumors in brain, meningitis.
and released KBAY 10/1/93

~~ALL BOAT DIVES~~

9/20-9/21-9/22 KBAY AOL 14 captured (6 TMRs) (7 of 14 recaptures)
Monday 10 (5 TMR, 5 clean) used GMB, RM BW

in A. Aguirre cellulose response study.

9/23 - HMB to do first 24h bleeding on 4 turtles
caught 9/22/93.

9/24/93 Keawannui #9 HPA 9 net captures
Friday AA & Beth Zimmerman (2 new)

13 total blood samples 4 Hard Scuba
12 samples by RA.

9/25/93 2:00 PM Christine Smith 637-9715
SAT. called PAO office on Sat. Regarding turtle
Referred to Roy Bolad via Beeper.

9/27 PM (9:00) 47-675 Kam Hwy Kaneohe 96744
Hawaiian Humane Society Mike 946-2187
Brenda DYER 239-2797 has turtle
found at Kahaione beach in back yard.

~~For AGUIRRE~~

Day ice 9/23
PLASMA Fedex from HBY AOL
HARRY KIRK - CDC
samples

For AGUIRRE

Study

(703)

USDH - Center for Disease Control
FOOTHILL CAMPUS

921-6456 MULBERRY STREET AND Overland Trail
Fort Collins, CO 80521
Signed G. WAGNER 1002AM 9/24

9/22 Telecon to Shaun Jamie Perry
PO Box 6371

Capt Cook HI 96704 Tel. 808-929-9141

Sent Scept turtles and people riding them at
Kahaluu Beach Park. High tide
sees dozen turtles at a time
Saw a turtle w/ blue plastic tag.

9/21

Telecon

Laura Scott - Capt Vemos
regularly post 6 months sees a
Hawksbill at McGregor Pt
Same place.

661-5335

879-0493 (Home)

9/27/93 EU

MON.

9-15-93

Kauaiuni strand

A. Aguirre in A2. 450 cc blood (no all present)
cc of tranquilizer =

9/28

EU

Haleiwa adult

TUES.

EU

Lanikea Adult

blood -> Need to write up notes

STAND Dead Makaha

9/28

Brought in

NOT TOOT

S142

STANGULATION!

LFF healing

9/29 EU

necrosy 9/29

amputation -

seen 8/25 EAST

80

10/1/93 ~150 "M" & "L" prefix tags sent to EVAAM Tahiti Philippe SIV for headstart turtles at Scilly

9/29
AA. +
Thierry work
reboopsies

9/27/93 STRAND died 9/28 night
Kahaluu Beach Park Oahu

500+ tags
"M & L" prefix
Returned from Seattle
Sent 10/8/93
TO TAHITI

9/28/93 Telecon from KEN Howell.
Steinhart Aquarium

*Need
TO
CALL

Turtle brought 18" to them off vessel
from W. Africa. Believed a green. They were
going to eat it. I referred him
(to NMFS-LE (310) 980-4049.
Stressed not to release.

7145
715-750-7247 (or 7313)

1994 MTN note subsequently appeared

9/30 Thurs. K Bay - BALAS, KOGA, A49^{line} BW Beth Zg
39 seen AOL. 1 caught for Doppler test.
2 caught Reef 42

F192 15 Oct
9PM

Fecal samples sent to Dr. Steve Upton on 9-30-93

1. 9-15-93/ Kawainui Canal, 4 samples sent (2 from small int. and 2 from large)
2. 8-6-93/ Kawainui Canal, 3 samples sent (all from KRF turtle tank)
3. 8-6-93/ Kawainui Canal, 2 samples sent (1 from small int. and 1 from large)
4. 9-27-93/ Kahaluu, 4 samples sent, (2 from rectum and 2 from large int.)
5. 9-28-93/ Makaha, 2 samples sent, (1 from small int. and 1 from large int.)

20

Need photo of hump

10/24

2 of 4 tigers caught N. Shore 9/1/93 Perry Lane 81

- Turtle debris, stick, fish humuhumu
* Ribs and vertebrae of mammal.

Summary of turtles euthanized/necropsied
by A. Aguirre 9/27 - 10/1/93

STRANDED TURTLES AT KEWALO BASIN - September 93
BKAZS

DATE	LOCATION	SCL	WT (kg)	TOTAL TUMORS	TUMOR SCORE	CONDITION	DEGREE OF EMACIATION
① 6-23-93	LANIAKEA	88.1cm	75.0	13	3	WEAK EU 9/28/93	MODERATE A.
② 7-16-93	KUALOA	58.2cm	20.4	11 soft plaques	2	MODERATELY ACTIVE EU 10/1/93	MODERATE A.
③ 8-6-93	KAWAINUI CANAL	65.5cm	29.5	9	3	VERY WEAK 9/29/93	SEVERE A.A.
④ 8-25-93	HALEIWA	85.7cm	77.2	17	3	WEAK EU 9/28/93	MILD A.A.
⑤ 8-28-93	KAHANA, MAUI	50.0cm	13.6	60 MET 9/18/93	3	MODERATELY ACTIVE	MILD/MODERATE
⑥ 9-15-93	KAWAINUI CANAL	69.4cm	35.9	7	3	WEAK EU 9/27/93	MODERATE A.

9-27-93 Kailua Died in A2 necropsy 9/29/93
right of 9/28/93

Tagged and released into Kaneohe Bay 10/1/93

TAGS = L3.4 K201
RH K202

Necropsy
Morotool
+ S142

Line Strangulation LFL
Seen at East 8/25/93
Dead STRAND Makaha 9/28/93

Need photo of humerus head
Taken

J197 RH existing from 6/93 FPL
J284 FPL added 8/24/93

Thierry work involved in necropsy
seen nesting 8/24/93
Put in bag for stain time.

10/5/93 K Bay
24 total

AOL 16 new (4 TMR) 3 recap (2 TMR)
7 mark Recap (Recap no TMRs)
3 new (0 TMR) 1 Recap (TMR)

Rose Hall narrative - write!
 - Flipper tracks
 WYKKEK - ~~unlabeled~~

10Z = 28.375g

454g
383

1lb, 13.5oz

= 837g

INCLUDES A MAGNET

10/5

Greg Morgan / Shannon Fitzgerald
 Instruct turtle tags

Ren LOHOEFENER
 FWS

FAX (904) 232-2404

MAGNET = 72.6g

referred by Caryn Ogren

informed about Tena & Wayne Hoggard / John Mitchell
 will contact about data. (601) 762-4591

H90 8/27/93

³⁸ 48 lbs?

SL = 49.2 CCL = 54.5
 N = 48.8

" 20% free - 10/15/93 Friday Backup
 was 10% free

10/15/93 = 38.5 lbs
 SL = 49.6
 N = 49.1
 eL = 55.5
 SAW MANDIBLED RFF INTO MOUTH

40' 50 mins

15 OCT 93 Waikiki Canyon RM, GHB, BW
 2 captures - Sid H90 + new recruit. Seen 1 large jagged TMR. Front TAGS only

19 OCT 93 GHB, BW, RM, SK Mark Reef SCUBA 30 min 25'
 16 total K Bay - AOL 30 20 min 30'
 Reef = KAMPACHOY 35 min 30'
 Reef 42

09-17-93 Baldwin Beach Park, Maui
 Calvin Ah Loy (DOCARE) via Brooks Tamaye (DLNR)
 CM Female Weight=35#
 SCL=48.1cm SCW=36.6cm
 CCL=51.5cm CCW=45.0cm
 Notch=47.9cm Plastron=38.6cm
 Head=7.9 RFF=8.5cm
 Tail=10.0/6.5cm

10% formalin
 SKIN w/ BAENAELES
 Sent to Bill Cook

Found dead entangled in a lobster net. Resuscitation tried, but not successful. Shipped to NMFS in Honolulu.
 Mild decomposition. PCA. 7 centrals, 5 laterals on left.
 Dense SB, possibly new species, Platylepas. G.I.T. 70% full.

10/20/93

Antenna 13cm
3.5cm x 10cm x 17cm
OFF TRANSMITTER

United = 547-2211 Possible TO TRAVEL TO 83

Charleston SC ON UNITED
(OR return from Charleston to Honolulu)
& flying to Charleston, then on return
take Delta (or ?) to Birmingham,
then take United to Chicago to Honolulu.
Note: United flies from Hono. to Birmingham
and to Atlanta, but does not fly between
those two cities TO Charleston.

76491
Without
MAGNET
off
1.68 lbs

Telecom

10/20
Tues

Repter Kubota 961-6611 Attorney for
Peggy Frye RE: conservation agreement
for Ford & turtles

sent Miss MANJULA TIWARI
c/o MADHU PRASHER
1615 CURTIS ST.
Berkeley, CA 94702

Jeff Miller → tel 61-77-21-1746
FAX Dr. ABUZINADA
Newsp
Saudi Arabia
011 - 9-661-441-0797

Homer, ALASKA

10/22 Repter Scott Rainey - NMFS enforcement
(907) 235-12337
Doug Loshbaugh (907) 235-7767
59°-60°N (907) 235 8635 Pratt ~ 100lb
Museum ^{green turtle}

see p. 120 will be prepared by Pratt Museum ~ 30+ inches
in Homer nose to tail.

10/22 Bellows Site #1 Tinker Lane 9:30 - 12 noon
 Percy Beach net in stream and to left of jetty
 4 captures (2 hand 2 net) 1 w/ trks. all new.

10/27 Deborah Clark - (301) 258-3022
 wed. Human Society - wanted drift photo ^{NOT} sent

10/29 ^{sent} Kitty Courtney PRC Environ. Management
 Maulua Bay 2828 PAA Street Suite 305
 Honolulu, HI 96819

BEN & Michelle = 623-5552
Mililani

~~Need~~ ~~CONTRACT~~
 COM/ARE
 TIGER NUMBERS
 HERE w/TESTER
 FINAL REPORT

Ikehara = 1890
 TESTER = 12,790
 Fjimoto & Sakuda = 10,890

"Bats" TM-7
 "SYNOPSIS"
 p. 122
 TABLE

ON PUBLISHED DATA ^{But where?}
 MAIN IS. = 190 Turtles 90
 149 22 14.8%
 NWHI = 27 9 33.3%

"OTHER" MAIN IS. ALL FOOD
 BUT w/o TURTLES = 25 TIGERS
 HAWAII = 23
 NIHAU = 28
 MAUI = 14
 TOTAL - MAINS = 174
 OAHU = 62
 KAUAI = 22

Need TO ENTER IN WP -
 add w/ ONE HERE

(1027193 EXAMINED AND REPACKED)
 ALL SHARK STOMACH CONTENT

1) 6-11-93 Tiger shark Malaeakahana, Oahu

♂ TL 13'13"

Stomach contents: Sandbar shark "bait" discarded

Stingray parts "

T-8 (tag in the bag)

Attached and loose vertebrae put into 10% formalin
 Remainder refrozen with label

VERBATIM
 OFF
 J. Naughton's
 label

2)

2) 6-11-93 Tiger shark Malaeakahana, Oahu

♀ TL 9'11.5"

Stomach contents: Sandbar shark "bait" discarded

Dondon remains, octopus, turbo operculum "

T-9 (tag in the bag)

Everything saved and put into 10% formalin.

JN

3) 6-22-93 Sandbar shark off Magic Island

♀ TL 5'7.5" Recently pupped

Kumu in gill net

Two aku baits discarded.

(Stomach contents)

J. Naughton "

Everything saved and refrozen

BRADLEY
 HARA 4)

8-24-93 Lemon shark Waialua

Stomach contents: Small octopus and black squid

Bradley Hara "

Everything saved and refrozen

31 OCT SUN

(3)

1 NOV depart pm mon
 2 NOV arrive Am Tues
 2 NOV on wed
 3 NOV on Thurs
 4 NOV on Friday
 5 NOV on Sat. 6 Nov

Rose

5) 10-23-92

Tiger Shark
♀ 14"

JN

Stomach contents: part of ~60 lbs. of similar material, (5) small black feather particles of feathers, (1) white small particle of feather.

MASS is cream colored fibrous tissue

Single large piece of cream colored fibrous tissue cut into 4 pieces with particles of feathers imbedded in it
 2 pieces of fibrous tissue + particles of feathers re-frozen
 ↳ test in acetone later

4 pieces of fibrous tissue re-frozen with other contents in one large bag

(4) Tiger

6) no label, likely Bradley Hara Tiger Shark

Sufflumen bursa

3 stranded RFF with 8.7cm
 Scl = 51.3cm
 49.5
 49.6

Stomach contents: tiger fish ~21cm long, spine and attached flesh (another fish) ~15 cm long. LFF green turtle with 8.7cm - fresh, distal head of humerus attached.

8.7cm Flipper width =

Everything saved and re-frozen
 New label made and put with re-frozen bag
 Examined on 10-27-93

Appeared on TV News interviewing Paty and Hara

DATE = 7/10/93

Length of Tiger =

10/29/93 Warkik Canyons 4 captures

K237 - K242

310c

11/9 sent **Doug Bertram** - Wildlife photographers Shells & Turtles
 (415) 665-4904
 [72 Carmel Street
 San Francisco, CA 94117

[21] From: Russell Miya 11/4/93 1:12PM (931 bytes: 12 ln)
 To: George Balazs
 Subject: Sheraton turtle observations **WAIKIKI**

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

George, I was able to get a room (1235) on Wednesday (11-3-93) from 215p to 4p. The tide wasn't like we would like it for netting, but I decided to observe anyways. The tide was a low-high at 215p at 0.5. Amazingly, I did not see one turtle. After looking through my notes, I realized that most of are sightings and captures were, for the majority, after 4pm. Also a pretty good rain started at 315pm which limited my visibility. I think that if I would have gone later in the day, say 330pm to 530pm, I probably would have seen turtles.

I was hoping to see lots of turtles from the time I arrived. It seems that the turtles have not changed their habits.

11/21/93 EVA DANIELS - Maui - Makena - South end
 Sun. early afternoon 572-4163 - Found washed up
 on beach, then another found some place
 "Big Beach" ~~Beach~~ Beach Park

ANN FIELDING Husband - "Bryan" - Shore Break -
 advised to release. They live in HIKU

P.O. Box 91
 Makawao, HI 96768 ~~Hartsville~~
~~Hartsville~~ in cooler w/ seawater.
 Need sent

Taiwan F/V JIN SHIANG FA
 31 OCT - 8 NOV ROSE ATOLL 4 nights on
 4807, 4808, 4809 attached Rose -
 17 turtles tagged

[17] From: Shawn Koga 11/2/93 9:26AM (2023 bytes: 28 ln)
To: George Balazs
Subject: Call Ken Howell at Steinhart Aquarium in San Francisco

Forwarded with Changes
From: George Balazs 10/30/93 2:03PM (822 bytes: 11 ln)
To: Shawn Koga

STEINHART

Subject: Call Ken Howell at Steinhart Aquarium in San Francisco
Message Contents

I got a hold of him today...he said that he contacted NMFS-Long Beach and talked with Joe Cordero. Joe told him to submit the paperwork for a permit to allow him to have this turtle. It's been in their care since 9/28 under the supervision of the aquarium's vet. It has deep lesions on the plastron and marginals. It also has a joint infection on the FF. The vet then started the turtle on antibiotics and has since had to change the type of antibiotics. The vet's name is Freeland Dunker. The turtle has picked up its appetite, but is still recuperating. It's in a 100 gallon quarantine tank by itself. Ken is waiting for either 1) word from Joe that he has found a place for the turtle or 2) a permit allowing Ken to have this turtle in his custody. F.Y.I. Ken works Tuesday-Saturday. He also can be paged through their main office at 415-750-7247.

need

11/7/93

2 hawksbill hatchlings found
High surf, one Waiananalo, one
Kailua;

11/6/93
Sat

need

→ Sunday

High Surf.

Joe Lindow 732-9243

Both died.

(8781 Attached)

Found 11/17/93

KUNTON
MAYAD

11/5/93

Tags 8781 8783
8782

extensive tumors

Friday 7pm

dead stranded

HOLEWA
SIDE
OF

Originally tagged net
Wawela Bay

KUKA I-
MANINI
IS
wedged
ROCKS

8
29.5
15.5
CCL - 13.5 cm
8 years
8 months

3/27/84

SL - 72.0
CCL - 75.5

Measured CCL = 89 cm 11/5/93 (many tumors)
by Jonathan Stewart Score 3
and Bill Park of Waialeale
Beach

Carcases not salvaged

ORHO

From: Bryan Winton 9/7/93 10:42AM (829 bytes: 16 ln)
To: George Balazs
Subject: Turtle nesting on Molokai

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

Rec'd a call just now from a man who witnessed some tracks and digging on the east end of Halawa valley on a no-name beach in Molokai. He noticed the tracks, a pit, and some disturbed vegetation. He never actually saw the turtle. I attempted to explain the nesting process and he was unsure if the turtle would have actually layed eggs or not. He witnessed this late last week and felt obligated to let someone know. His name and address:

Shawn- quite some time ago I mailed this fellow turtle literature and a note telling him of my interest in this report. I sent him turtle sighting cards also. Sometime when you're by yourself back there please call him for me and ask 1) exactly where he saw nesting at Halawa, and 2) has he been there again and seen any fresh signs. Let him know we are sincerely interested in the report and that he contacted us. Ask if he received what I sent him. mahalo.

10/14/93

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

Shawn
11/4/93

I just spoke with him...he said he received the literature and sighting cards. He said that the beach he saw this turtle at is called Kawili or Kaawili Beach. He said you can't find it on a map or atlas because the secluded beaches were named by the old timers there. He said that this beach is the most southern beach in Halawa. After reading the literature he said that since it takes approximately 60 days for incubation the eggs should've been hatched on Nov. 2 or 3. He went to go see if the eggs hatched, but they were paving a road there and he couldn't get through. He said he was going to try and get out there either this week or next week. He will keep us posted as to what he sees out there. FYI...he also noticed that the sighting cards had seals on it too...he said he has seen seals in the past. I asked him to also jot it down along with the turtle sightings. He seems to really want to help and is nice.

Steve Eminger
P.O. Box 1237
359 Kikipua Street
Kaunakakai, Molokai, 96748
Molokai Phone #: 553-9039

Handwritten notes in the bottom right corner, including "Mrs. Winton" and "George Balazs".

90 11/16 Telecon Heacock 1km North ~~clear clean~~ ~~NO RAIN~~
From TV reports ~~NO BEING WATER~~ ~~NO contact with Heacock~~
11/12/93 ~~FRIDAY~~ ~~NO contact with Heacock~~ ~~NO RAIN~~
Wailua, Kawai (KAPAA) SURFER

Kroner's
Surt
Spot

10' to 12' shark DAVID SILVA 31 year old
1/20 am 75 yards from shore according to J. Ten
Short yellow surf board = Length 6'5" ~~lost shark~~

Dr. 2
Grades 1
Depth 2
Length of Board

Sea Shell - Cocopalms restaurant
Wailua river outflow
Left leg "2 bites" 14" apart
See PAGE 95
lost shark attack p. 69 8/19/97

S23, S24, S25 ^{WFF} ^{RFF} ^{WFF} 10/18/91 Sully Atoll Motu OIA
CCL = 103cm x 91cm
S17-519 also via 10/18/91 ccl 101cm
Caught Toberua IS. near Suva
3/23/92.
Photos

sent 11/16/97 Mr. David Silva
% Wilcox Hospital 245-1100
3420 Kuitio Hwy
LITTLE, HI 96766

need - interview see p. 99
call interview by Telephone

Heacock -
NO knowledge of a
dead turtle.
Clean, calm water.

Mrs. Marian P. Silva
4534 KUILEI ST
KALAHOE, HI 96741

Need

10/11/93 Maui Swim fin 879-9057

Katherine Tachenbach

FXed 11/18/93
Need to
Send to
Phillip

11/15/93

Need

828-1426

Call From DALLAS GRADY - Hawaii

(TAG)

523

10/9/93

Caught in net in Savu Savu

Fiji

weighed 261.8 lbs.
Bought by Chinese Restaurant

Workshop Hooking MORTALITY - ^{TUES.} 11/16/93 - ^{THURS.} 11/18/93

JAW - "Quantitative Support to MTRP"

Phil -

Biol. opin - make copies
for 2 Jap + 1 Bernard

Parifi - Xerox wrong paper article
olives & greens - considered endangered
unless proven otherwise.

Fate of turtles hooked & released "unknown"

Mortui Tuna 2000 hook per day
Swadfish < 1000 " " "
20h to 5 days to " "

Swadfish 11 day - 2000 miles

48 Naut miles 32-33 miles
geophysical
distance

92 Tues
11/16/93

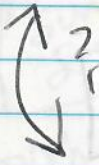
Hooking Workshop

~~wood~~ leatherbul
in driftnet

Boggs

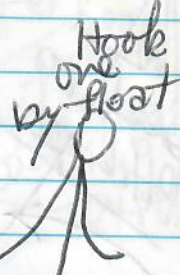
Tuna

Sword - depth leader = 6-7 fath
Between float 5-10. fat
15 fath depth



Sword - 350-400m depth

Blue-fish by more common.



→ Radio beacons - radio tracking, sonar

- Depth of hook
- Time of day fishing
hooks pulled through shallower water; less catch at night for (Spearfish).

~~JAN~~
Corylin

Since late 1990, log books required - record turtles.

"Thermal fronts" and other environmental oceanographic features.
Subtropical convergence zone
30°N

~~Jeff Miller~~

46°N is northern limit regulatory of squid fishery.
3.2 million hooks [10mth per 1992-92]

10°S above
below 10°S

SPC Stat. Area-Japanese common
1 turtle per 10 sets
Turtles "seldom" caught (1 per month)
Australia Prang - 5000 turtles annually

Ricardo Aguilar

Australia

Trawling

~~Two~~

ZUG

Review 93

Bolten

19.2% of 842 drown loggerhead
7.7% flatbats - drowned. (of 3000 caught)

Bolten

Swordfish Azures fishing within 50' of surface

19 in mouth

1 dead

8 in esophagus

Ogren

LSU - observes data - 6 turtles

NOT RELEASED

Henry Hilderbrand 1980 - lots leatherbacks
W. Gulf of Mexico most entangled,
only hooked in mouth

Callouet

@ Whole

ADD TO ADDRESS list - card

Katsuyama - need mailing address

LUNCH

Bernard Thoulay

40,000 hooks = 1 turtle
over per

need
Vochem -
chip camera
to give on
Marin mammals

TAGS needed for his program.

Elvost

Allometric equations length to weight

X-ray slide Great!

for Red

Duplicate leatherback esophagus slide

94

11/16
TUES-

Sun

Need Phil - ^{weekend} standing

"IT" ARU

Overall Problem

- overall objectives
- Specific objectives

Activities

[Anonymous pre proposals]

#1 TO MINIMIZE OR ELIMINATE physiological distress & mortality to ^{turtles} from longline

#2 TO ^{fulfill} requirements of ESA in 4 Turely names.

#3 other Bycatch

11/17/93

Wednesday

Determine fate of Hooked turtles while conducting immediate mitigation.

Deferred Issues

Time frame
Research needs
Products
Animal Care

Mitigation

Sea-Based

Live
Dead

Land-Based

Live
Dead

REvised
879 919 058
BANK: ONTARIO VISA
No time = 1,800-4567
#43

ALOWA AIRLINES 11/30 9:45 AM FL436 TO Hilo

(next flight is 11:45 AM)

Return 12/1 5:15 pm Fl. 77

(There is also a 4:45 pm & a 5:35 pm flight)

#5/15/19

DOLLAR - MIDSIZE \$32.95 Tel.
MINIVAN - NATIONAL DOLLAR - Tel.

Spoke
WAILUA
* Chec
Novemb

1
2
3
4
5
6
7
8
9
10
11
12

Leatherback

- Molding JARAW/nyneben / mifer
- Radiograph Morris [Mammograph]

assignments

① observer Protocol

CIST

TOTAL
1500 TRIPS

Kind of things - specific
Data - types of data - samples -
elements

2-5 weeks

Handling of turtle
Retrieval
Treatment

120-160 trips per year

Release
Presentation of Material

7-10 days to and from
7-10 days of fishing

Spoke w/ Jim with National Weather Service. #836-2102.

WAILUA RAINGAGE ON ISLAND OF KAUAI

see p.90

* Checked at 6 hour intervals daily:

November	Amount of rainfall (INCHES)				TOTAL
	0100am	0700am	1300pm	1900pm	
1	.04	.00	.07	.00	.11
2	.00	.20	.00	.01	.21
3	.00	.00	.00	.08	.08
4	.12	1.22	.15	.02	1.51
5	.04	.04	.00	.00	.08
6	.00	.00	.00	.00	.00
7	.00	.00	.00	.09	.09
8	.21	.35	1.21	.00	1.77
9	.00	.00	.00	.00	.00
10	.07	.02	.01	.04	.14
11	.03	.00	.00	.00	.03
12	.00	.00	.00	.00	.00

KAUAI ATTACK weather

* Scum - Swordfish is area of higher turtle
others, closed to Hanalei, not so many turtles.

Need 96

PHIL

Will long line tag / Dead/Alive
Boats be able to tag / bring back
turtles w/o observers ABANDONED?
Shrimp
Kauai precedent

Charles
NAME of Molder
for leatherback

PHIL =
weekend STAMP
sit.

Mitigation Recommendations for workshop

- Issues - Caring for animals
- Issues with names on report
- " Every turtle taken into captivity
would have had the
same outcome if left in the
wild"

Need =
for Fred.
Return
Tapes to
Sean Martin

INVISIBLE MAJORITY
Turtles as bait

PHIL
to be to
Shawn -
my
diskette

NOTEPAD
FOR PHIL

More than
one TDPS
in place?

From Russell Miya 11/23/93 3:21PM (313 bytes) 3 in)
de Balazs
fecal samples to Steve Upton
George, I sent Steve (today) 6 samples. 3 from the waikiki
turtle and 3 from Kualoa turtle. Fecal pellets were found in
the tanks.

① JAW -
Modification to
TDPS -
Turn on LAMP -
STRATHE

② More than one
nesting base
APPEND
11/23/93

LENGTH SEQUENCE
ANALYSIS

CA
need

11/19/93 Alan Bolten

Telnet ~~Telnet~~ ~~newsm.NERDC.UFI.edu~~
~~Telnet~~ LUIS.NERDC.UFI.EDU

Paint & Suffering - 2 years ago
Lab animal Meeting

Vance " " Lande - San Diego Zoo

Login → LUIS

LUIS "15" (additional information)
Sea Turtle Biblio = 14

"?" Tunicate form, ie Fibro? covers all

→ Day/Month/Year - Carapace length by location

LENGTH FREQUENCY ANALYSIS

we have Multi-Fan software length/freq. analysis

MARC Sunday 11/21
Rice 696-4554
MARATHA APARTMENT

STUDENT NAMES =

KBAY 22 NOV 93 Monday AOL = (6)
Snorkel, M. Rice, Malia, Dobbs + 2 others, mob & student -

CASTS & Models

need Via Charles - Gregg Kearns
Cullout USFWS

PATUXENT Wildlife Research Center
Laurel, MO 20708

301-497-0536
301-627-6074 (Tues & Sat.)

98

dead
Stomach
necropsy → 11/22/93
RFL V509
LFL V508
LHF J38
RHF V510

Hanauma Bay
Turtle 9/9/93
AGORAS
STUDY
SL = 51.9
CL = 55.0
First
picked
up
@ Tree

LARRY KATAHIRA Telexin 11/24/93
Hawksbills to him (this summer) at PAPA Bay -
Kings Landing (outside Hilo) - proceed on
dirt road to private property fence.
Also, his volunteers went to
Pohue Bay, site of Hawaiian Riviera
Development planning - Dig up old
hatched eggs and saw some tracks.

30 NOV - 1 DEC 93. 24 hard snout
PUNAWU #23 (9 new)
A 12 year recovery mode

Telexin with
Dr. Moore Honolulu Med Group
544-2465
Re his interest in shark attacks

George Palazs
to: Re[2]: Steve Upton samples
----- Message Contents
George, here is the info. on the turtle
6 fecal samples from:
I.D. date-11-13-93
Location-Kualoa Beach Park
SCL-50.2

EU
12/2/93

12/7/93
ju

12/2/93

INTERVIEW

See p. 90

(See p. 69)

David Silva 822-2022

200 yards

Seashell Restaurant

- Distance from shore?

Horners

- depth?

? inside

- Name of spot? Yellow-bell

70 staples

- Length of board? (65")

- Length and location of wounds?

Above knee 1/2 moon

- Partner

Left side of leg

Calf 8"

Checked out of hospital

Point = 8 people

He put leg up

and Paddled to Beach

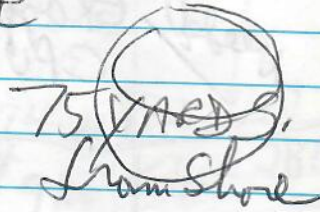
2 coup earlier

Bite = 20 yards away

Someone stole his gift money

"Submarine Hatch" rock

15' deep - could see Bottom



no turtles

See p. 108

calm - glossy water

10:55 am

(picture MICHAEL Porter)

1-2' break inshore

at Airport

FELT BORED

SHAKE -

30 seconds

Need - Call Roddy

12/7/93

report Michael Porter at Lihue Airport

Jim McCallum - TVg There

Coryliners now off in 9 pieces in Ross

Need Burgess sent

LV Nevada

4-6 Dec 93

- Search for the Great Shark -
- 2 Blues shown bitten scars on snout
- Motion Sickness
- Tike "lives" in ceiling
- "Some scientists mistake seals for humans"
- o.o Sharks mistake humans in Hawaii for monk seals?

needed/ Exaggerated jaws aspect - Fear
 CPU needed for sharks in Hawaii

home 245-5250
 office 241-3400

12/15/93 - Telecon Dan Heacock

NA Pali Const

reports 62+ large turtles
 recently seen basking on the beach at
 Malipii elsewhere Na Pali by helicopter
 pilots.

ADVANCED packaged excursions
 #906 M-class Chicago

547-2211

United	42	"y"	2/26	5pm	→	4:58am
	768		2/27	7:44am	→	11:02am jock
AA	813		3/1	12:05pm		12:42 Samm
	1829		3/6	7:39 am		8:44 am
	47		3/6	12:30 pm		5:30 pm

By 1/26

1239

Rec Loc 55X3E

Cancelled 12/26/93

#933 #60 #1083

MAR 14

Savannah 3/1 noon of
 Depart 3/6 am mid-afternoon
 3/7 Sunday 3/8 am

12/9/93 sent

sent

2/28 3/1 FC 3/6 FC 3/8 FC

56 11

12/9/93
Need
Sort

① Tim ENSLOW 955-2406 overnight set of 18 hooks off sunset
2121 ALGAEBA ST, Beach Road towers
Apt 903 96826 40F water, Next morning 16 Hooks - NO BAIT - 2 TIGERS 10% MARLIN HEADS

② Joe Hoffman Bugger 941-3586
2825 S. King
Apt 203 HONO 96826
MOON FISH BAIT
MOON = OPOS OPA?

Need
Apt

Lindy Driscoll
Send TMR stuff 1335 E-W Highway
coming LATE JAN, Maryland State

Dr. David Green - vet, pathologist
Tel. (301) 935-6074 MLR14N

bucket
#969 7CL280

→ one large bucket of stomachs/guts
12/9/93 delivered. 1 small 16" turtle separate,
taken from one of stomachs.
SORTED by MIYA & WINTON 12/10/93

3/1 428 UNITED #60 stopover charge #906 total
FL44 208 "M" class
3/6 FL1829 739 11:14 2m
3/8 FL1007 11:18 5pm
547-2211

2/25 10pm
FL44

EXPLORER - cellular - Atlantic Reef Dive
224-3468 DON (captain) #658 #60 stopover

VIA LA highest #576 17 hours flying time

#561 YCA Chicago to SAVANNAH
11 hours flying time
MMZ
#1042 go MMZ/YCA

7543 FU

102

new

12/14/93

H166 CA (od)

10/29/93

RH

K290

2 removed during H164 & surgery

11/28/93

R3-4 K291

H165 11/30/93

Waikiki
recapture

70 lbs 12/14/93
2 worms

Release K Bay

11/3/93 K292 - K294 new

3 lbs 31 lbs

Waialae
County Club

11/4 ~~11/13~~
2 worms

Morris Surgery
to remove tumors

Release
K Bay

12/8/93A: Kawaiwi Canal

44 lb

NO Surgery
K295 - K298
worms only
new

Release
K Bay

12/14/93 All above released Liliuokalani
K Bay from being held at Haleiwa

SLP - 36 hatchlings produced during 1993 season; released
last batch was in Oct. 25, released rest

12/22/93
Wed

Puako #12
19 captures

HPA

split to
other
aquariums

(12 recap, 7 new)

12/25

12/25

Pekelo DOENAE

wounded turtle at Haleiwa

was good

PAGER GHB

4/8 (MON) NW Exp. 4/29/94 1:15 pm Purchase
 4/23 (SAT) 800-447-3757 5/28/95 5:50 pm G. Sprinkle Video Special
 4747 7/26/96 DAILY

1/2/93 Dennis Chung 536-6738
 SUN Tumor both eyes. # LINE Turtles, ^{smptoms close} to ledge.
 PAGER - GHB END of Kaimali Drive, post to ledge.
 (guard shack Small Coconut Trees. Doghouse)
 need send 2738 Poipu H. Road
 HAWO 96813

1/1/94 P.J. - KBAY Yacht Club PAGER - GHB
 Saturday Nat. Wild. Mag. hawkbill photos

12/4/93 Jim Witty - Hawaii Tribune Herald
 P.O. Box 767
 HILO, HI 96721-0767

NEED Follow-up
 letter sent 11/6/94

966-8115 home; 935-6621 work
 sent 6 hawkbill dupes sent 12/5/94

student office Gina-Lynn Cusumano St. Francis School
 visited office for turtle literature

Travel orders submitted

545-45-0153
 1/12-1/13 Kiholo \$63
 2/8-2/10 Kiholo 116
 3/16-3/16 Puako 58
 4/5-4/6 Punaau 186
 (5/24/94 FFS charter)

1/26 NBT - 3/15/94 due \$2844 Mawalan #63 - workshop #

hookery workshop → Ed - 7/15/94 40 turtles month \$15 each
 235 total = 3525

Turtle skulls?
AZ

License plate EC J

455

Kaiser High - Mrs. Miziguchi

DRIVER'S ED

396-8336

Submit end of March

turtle sightings

Message Contents

Sent

A gentleman by the name of Michael Moseley called this morning to report seeing turtles while scuba diving off Iroquois Pt. He went diving on 1-2-94 at approx. 430pm. He was in 20 to 25 feet of water when he and a buddy saw approx. 20 turtles within a area of 50 sq feet. He said 10-15 turtles were covered with tumors. His dive was about 45 minutes.

Michael was extremely nice and is interested in some pit/sighting cards.

4789 B East Ulua Way
Ewa Beach HI, 96706

8499-2765

He also mention that he would be happy to go out and show us this location.

1/8/94
SATURDAY

PAGER - GHB

Hook w/ bait & line in flipper of turtle at Hanalei Bay 259-5586 "Turtle Reef"

Also a Carol Shay at 538-3646

Russ Miya will follow up

dried algae sample from dead Kiholo turtle sent 1/18/94 to J. Russell

11-12 JAN Kiholo #17

21 greens (9 new)

94

Deployed 2 SONICS - 447 (same turtle as 348) and 456

+ 2 recap hawksbills

TUES wed

need Dollar = Rich Rayle Vice Pres. Operations 800-8005252

Need VISA Master Card Reg

Master? VISA? Dollar? National

Deborah

KONA 329-2744

Kona = 329-1674 (Same)

4/19/94

Hooking Workshop

Travel = 10,269
5-w center = 538
Court Reporter = 1,433
FAX (est) 500
Impac (est) 200

4/18 TO OSAKA 4/17 = SUN
MON. FL15 925am
12 pm
#7L5524
4/23 FROM OSAKA
SAT FL16 605pm
643am

72 hours
Rec'd
105
ISSUE
by
3/18

#6K TO JIMAR 12,940 = #13K - 20K = #7K - 1K
Publication

800-National car rental MINIVAN #43
328-4567 Feb 8-10 #890 146 814 (Am. Exp. Card)

Check Dollars = 3pm -> 3pm
Cancel #681C
ACOLTA = [944-1544]

Dollar = #42 MINIVAN

Review of URSULA TAPE #1 (loan to losey)

Need
Call
Losey

- Surgeons biting tumors
- Eye tumors - not preserved by them. RE: 93 Tuttle #18
- white spots on flippers (not TMS unless raised)
- Grabber card photos
- Maps i.e. MAP Y, position A3 (check my main file)

Dups of
BSmm?

Video #3 yellow lines
RIGHT sequence flashes

Sharon Russell - Home (907) 789-1621
office = 907-465-6330

Sharon
Peterson

Tom
Pook
Tuttle?

Rachel - left eye TMS Tape #3
Red Maria
Suspended "Marianette" "Pouiro"
Mahina Hira Ditch

sent me photos TO BE returned
Julia (RAY) PARKO
538 PAUKU
Hailua, HI 96734 956-7276

Student
science fair

Recktenwald 541-2850 ext. 126 ANTONY
Served ONE month Badrico Prison

send letter sentencing
S. Scott - Pinalum
Main Powerplant case
Albrecht Reich

1/11
Whob Butcher of
+ RIBS

Free
*
TAP

1/15 VIDEO #3 - feeding show many tape 3
numbers FDD each year

Repeats each year.

"Tobies zero in on tumors"

"Now reading 3 hour work of tape #1" ??

potter's Angel feeding on shell. Mainly
gold ring surgeon (hole).

Several views of FF's under turtle.

R75
R75

TAG MAP Y Loc I-4
A354 = TUTU 1993 - Turtle 20

"only are w/ tags in their population". Also
the largest turtle.

Note - most turtles seen leaving when
shown in video.

Goofyfoot - left eye tumor (yes)

"Resting site" VS "Turtle house"

Most of turtles shown in video
are same ones over and over.

slut
of Goofy foot & Arkane - fight; end of
tape

TAPE #4 viewing "8/10/93 Dive" reasonable
visibility.

POIND = Didnt they say the brown water
never cleared after Russ & I left?

73 cm Anterior measuring spot =
But measuring (1/8 way onto tape) ?
crotch posterior

URS
Need
Main view
file #
Now
many
1992
1993 =
70 tumors

FACE PLATE Marking
* Rub dead ones?

TABE
John Wilson
to Maui

recusary [washing report to Larry]
TAP #4

cleora 1993 #12 - ^{Small} left eye tumors ANT. & post,
" #27 ("tumor free") NO left eye tumor

ARKANO " #2 "Tumor free" CCL 94cm
" #11

Nui " ~~1993~~ #9 Right FF TMR CCL 90cm

Howzit 1993 #5 47.5 ccl

Raphael 1993 #1 86.5 ccl

Goofyfoot 1993 #8 81cm

KIMO 1993 #4

Wire(?) seen on reef at resting site.
1993 #4c Doesn't let get close.
" Turtle house" - in mostly blue water

Aug 5 - snorkeled out past brown to see the turtles in clear water

URSULA/Peter = Internet?

Need Maxine's piece written
Damsel feeding (Pac. Grey Reef) on TMR
Blue eyed Damsel fish 85 Randall's book + 10 bi
- EATING SAND - Map Y Loc. J7
TUTU 1993 #20 (tagged turtle) in depression "MOUND"
TAG, RS+2 (A354)

Now MARY 1992
1993? Colskrotch 1993
- Aug 19, 1993 brown water & fine sand.
- 1993 #14B (Mature young male)
- 1993 #20c Mature male CCL = 84cm

70 Tumors?

108

need
JH
press

3470

259-5350

~~Ching~~ Ching

1476

ALAKEKEZI PH
96819

- Seal/Turtle
- Layson or Usianski
- Seal fighting
- Seal/Layson
- Crowded haulout
- Black pup

Horo

IRIS
Wiloy

1/26/94 = Black close-up
 8 Airt (2) sleeping on beach
 All DUPS (3-4) Layson & seal
 (5) lying in rock they
 (6) rearing up (7) no pup

ENV. CONSR. company

referred to Donna Mac,

1/20

Ben Perkowski (206) 217-9337

Mercury at Puertolico

featherbush in P.R. (8) turtle seal

need from Harebunk telecon

ORLANDO ANAYA - see p.99, p.90

Life Guard where David Silva attached
Tel 241-6668

1/20 sent

Lauren Netherly (909) 845-7227

Coastal Society children's program

11463 Cherry Avenue
Beaumont, CA 92223

1/16 MONDAY

MAETIN LUTHER KING DAY

DOCARE PAGER

Hailua Beach Park. Small dead turtle - taken to lifeguard stand - Taken by Cynthia Vanderlip to Morris Hayes 1/17 Monday to A2.

1/23 SUNDAY

PA GER

9:30am Dennis Pettigrew 637-3434

Docare - Terrence report from 61691 Kam Hui Kariaka Small Dead Turtle washed ashore - NOIR Jones 20 TMR

(505)
New Mexico

Middle initials?

Leon E. HALLACHER
Walter C. Dudley 109

TITLE

Satellite telemetry of green turtles
nesting at Rose Atoll, American Samoa, and
French Frigate Shoals, Hawaii

by George H. Balazs, Peter Craig,
Bryan Winton and Russell Miya

TITLE
MOSER

Ecology and Cultural Significance of
Sea turtles at Lualaba, Hawaii
George H. Balazs, Walter Dudley and Leon
Hallacher and Shaun Koga

TAXIDERMIST
Cyano & Olivier
SD, CA

~~Berry Center early next~~

26 JAN. 94

PUAKO 9 captures
(9 new, 10 recaptures)

HALO Feb 3rd 7 AM → 7:46 AM FL 404
ALOHA 3rd (5:30)
VNP meeting 6:30 PM FL 47
- 716

#28.95 Dollar

JQNSPL

1/27/94 Telecon
Kylie FITZPATRICK Australia video
Human Nature

~~Bertran~~ Bertran

293-1170 Tel.

Who
else
interviewed?

Scheduled for ~~Feb 10th~~ Thurs. or 11th Friday.
Atlantic Reef Divers

110

1/28/94 Glen Budge & daughter Julia Budge 4th grade
(Rider Thomas - WPA) 240 Fillmore way
Turtle lit sent. Telecom Reno, NV 89509 (702) 746 8042

1/28 Friday night Camp Smith 474-8866
Sgt. McLaughlin

PAGER

Owa Punaola Rifle Range
Live on weed 10-15' above water's
edge - steep incline. 100 lbs
lots of large black tumors. No tags
seen. 1/31 telecom - turtle not there now

1/29 PAGER

- Dead turtle
DOCARE relayed Phil Thatcher
Waipua 637-5351 Always Busy

SATURDAY

68-517 Crozier Drive
1/31 telecom - turtle not there now

1/31 telecom Don Gransback, Office of State Civil Defense
Sent 3949 Diamond Head Rd.
Hono 96816

George, a lady by the name of Peleanna (1 or 2 names?) called about seeing turtles at Kapoho Bay. She lives a couple blocks away and snorkels there several times a week. She regularly sees 6 turtles, half of them have tumors. In addition she has seen a smaller tagged turtle (no tag #). She also was telling me about small pond (100'x150') that turtles get caught in when the tide lowers. She was concerned about these turtles. I explained to her that they are OK as long as they can get out when the tide rises again. She said that they are able to get out when high tide occurs. She mainly was calling because of the pond and the tumored turtles that she is seeing. Peleanna had little to no knowledge of sea turtles and was very happy that I took some time to inform her. I explained that we might get in touch with her if necessary to obtain more info. Her # is 965-6507.

cc mail
Drs. [unclear]
Bob [unclear]

* Panam - Republic

Hono → Chicago 4,200 miles 111
Chicago → Savannah 773 miles
Chicago → LV 1,515 miles
6,488 miles

2/1/94 Tuesday Bob Morris and I to Kaula
Canal - just before Mrs. Sperrans.
Walked from Sherwin gate back to guard
house. Saw turtle, thin left neck, segn.
Seemed skinny around neck. Spent a lot of time
swimming close to bank or near surface. Chocolate
brown water.

CHARLOTTE FORBES, 2/3/94 Thursday GNB
TAGGED 9 Adult NESTS HAWAII VOLCANOES NAT. PARK ^{every KATAMURA}
2 Adult 36 Kanehame ^{~1090 rescued (especially near cave)}
13 APUA Rescued 1064 hatchling

+ Returns
(1 Kanehame
1 APUA)
7 years
interval

KAWA SAW Crawls
POTHE - Charlotte
PAPAI ? outside of Hilo

Previous years = 50-60 water flows per season
but in 1993 Kanehame 150 workers/day

Halose - 12 days

- 174 mongoose ^{killed} 1993 at Kanehame
- 8 " " " APUA

"Discuss hawksbill turtle problems & mitigation,
research, monitoring and management needs, and
responsible parties. Results will be used for
public presentations and to assist in
updating the Recovery plan.

2/3/94 VNP meeting w/ Susan Pultz / Larry Katschin
Glen Taguchi - State land man. Charlotte Forbe

- Signage -

Leptocarpus - Compositae
Cape plant family - blooming only at night - rare plant here.

Kamehame - lobster season - nets.
9/1/94 open

Develop Comprehensive Management plan -
"Sanctuary"

Koko Johnston KITA ZAMA
Go on trip tel? # interpretative literature

But (not totally destroyed)

4 nests impacted - Kamehame
out of 36

3614.0
36
40

1170

Research fate of broken eggs, when happens.

2 of 36 south end 5%
[within high tide] during meeting.

her address is: Peleanna Smith
RR2 Box 3905
Pahoa Hi 96778

965-6507

2/5/94

2/13/94
A Mike Smith reported
John Koko he saw
2 turtles stuck in pond
2/13/94

"Purch holes in ground"

George, when I spoke with her this morning she told me the tagged number from the tagged turtle that she sees. I asked her yesterday but I guess she did not want to tell me. Anyways, the tags are, H414(LFL and H415 (RFL). John Kahiapo tagged this turtle on 12-28-93 at Kapoho. Apparently it was trapped in a pond, probably the same pond that Peleanna was telling me about.

2/4/94 Norm Meyjes Butler 3pm meeting at HZ
 Statutes Limitations of interfering
 cutting leader with glass

Report 10/1/94 Most turtles are not brought up on deck - cut loose and let go.

35mm camera w/flash JAW #12 No flash

sent Mike Canute - GCW grad. student

2/5/94 [PAGER] KUALOA KAWAKA Beach R
 SAT. 9:30am Bathrooms 3 1/2" line "beaten"
 Bill picked it up - nearby waves.
 dead many tumors

need Cay Bolts 4pm Reed -

8 Feb. 2:15 pm FL 280 2:54 pm arrive
 10 Feb. 12:20 pm FL 83 12:57 pm arrive
 need 8:5pm

National #43 Am. Exp. Res. #890146814
 Kawa MINI VAN. 3 pm - 3 pm
 KIND = CUMANA

8-10 FEB 94 - KIHOLEO #18 58 greens (19 new)
 2/8=35 2/9=24 (includes one hawk recovery 40 Rec)
 59 TOTAL

2/10 9 telecon ANGELO FORMIA VALE
 (referred to by leg) El Salvador ridley project interests.

2/11/94 Waikiki Canyon Malcomb Penny
 35min 30 GHB + FINN Scuba 3 captures (1 new)
 Doug Bertram Interview

114 Tape #4 Date?

Need - Sediment in H₂O

1993 #16 - Catscratch

Left TMR + Right TMR Main News
CC = 84 cm

2/11/94

Kimo & 1993 #4 - Right mouth & RFF
dorsal neck #3's TMR

Viewing

- Silt scooped-up, "lost dive of 1993"
- Turtle 8D 1993 ~~M~~ R Eye TMR
- Spooked turtle
- Cleora R Eye TMR

How many Tded? How many w/TMRs?

How many measured?

R Eye TMR

Turt 8D spook when trying to measure
At very end of tape - Kolo picking at & Post.
Nuk TMR, Right eye TMR Anterior, Post.

Tape #5

Continue NUI. Good shots.

Kimo & white spot tobies on TMRs

- 1993 #27 R eye TMR possible ~~PROV~~

- Turtle #

- TAG (A354) Close up TURT - shots 1990, 1992, 1993

AT END = Video Chans to show "Tutu" in
1990, 1992, 1993 same

R1-25

turtle occluded right eye and RFF TMRs
in 1990 much reduced in 1993

David CHAI Waiholoa 883-8581 (home)

2/14/94

Telecon
12 noon - right on end of peninsula
in front of Kiholo Bay 2/6 Sunday
12' tiger came out sand patch.

Missing person
Det. J. J. & J. J.

David was without fins "looking around"
in 6' deep water (over his head).
Came right at him. He pushed on head
with Lumu Kohu boy and got back to shore.

Lumu Kohu grows there (deep thro thro) normally in Springs.

Freezer
Turtle for
TAK demo?
Loggerhead
remains?

Contact VRSULA

letter sent
2/12/94

A354
look
UP TAGGING
DATE

Dean Owen - Molokai case? 115
Puleloa

ENTER
23-25 Aug 94 FFS
TDPs tagging

2/16/94 JAW meeting w/ FWS Marc Welton, Beth Flint, Cindy, WAG - gas Ohomwell transport

- Salamis

- gas
- tent \$1200

Time

MUST
STAY AT
FFS

- Volunteer?

Contact Robert Smith
Re Susan

→ Morning Tern (PAM)

2/16/94 Telecon - Baltimore - Science writer (410) 332-0930
sent

2/17/94 Telecon Dori (714) 846-1789
VANCE Black Rock Maui 7-8 seen

sent DVM
K(17) LHF 2/16/94

3592 Ventura Duni
Huntington Harbor
CA - 92649

Telecon 2/18 Diane Bowen FWS - hawk permit

2/17/94 Longline observer training
for turtle data - CWC
8:00 - 10:30am 13 observers
Demo tagging w/ dead turtle
slide presentations

116

Box #

DNA Peter Craig send
KIT TO

FEDER call TAMM

BARKERS Daughter - Wendy

weigh Times Weighing

call Bowen -
START sample for postmortem
Guantanamo

Sunday 2/20/94

12 noon DOCARE NAs

Barber Pt.

she offices Base

Conservation offices #214

unknown camps
head ~~off~~ cut off
lots of files

PAGER 2/21/94

head MISSING

Est. SL - 45cm

Monday 2/21/94

President's Day 11AM DOCARE

Conservation offices #214. IRIGUOUS Pt,

Naval Housing #381 Edgewater Drive,

Adrienne Barnett 499-11564

PAGER 2/21/94

CEL = 90cm. Tumors. Fresh.
No tags. Modest slash on top of head -
possible propeller.

23 Feb 94 Meeting w/ new Director Mike Laurs
TR + WAG + GHB

2/24/94 Thurs. Karena/WAG/MIKE LAURS
GHB/Bryan Winton

It's not true.
Low comments, only admitted that. Shawn
Shooting mouth off only, but not
directed at an individual.
"My word against hers."
"I don't believe in the garbage
You just read, so why should
I listen to her say again to
"plastic" relationship

Feb 2/28

3/5/94

GTB

2/24/93
Thurs

Possibly room she could be
"banded" "But never said anything
direct to her"

2/25/93
Friday

Continuation of meeting w/ S.K.
[7/12 - in my office - SA/BW]

Define Profanity? - Supreme Court?

[HAWAII KAI TAXI 395-8294
Karen 8:35pm #25

PAGER
2/27/94
SUNDAY

Haliwa Beach Monk Seal
62-449 Kam Hwy
Police Department 4:30pm
Case #K1132
- relayed to Tim Roger at 4:40pm

Telecom 2/28/94 - Bill 449-7269 JSAF

28 FEB - 8 MARCH 94
14th Annual Sea Turtle Symposium
Hilton Head, SC +LV

3/5 SAT IUCN MTSG BYLES R @ MAIL.FWS.GOV

Cuban hawkbill - FWS MTS Selina Hepl
& Genetic Review doi Mode
Need - Bowen results to Tokyo + CITES Report

Maylan - Map of Movements in Region
to be published as report by MTSG

CITES FT Lauderdale Nov 94

FWS and satellite
Rose
Ecology
Physical Significance
Cultural

CITPS

Announcement Committee (Herb Jenkins Perovt)

3/5 Sat ① Parachuting
② Revised Criteria - Listing

- 3 core pillars -
- ① Managed on a regional basis
 - ② International Regional Management plans developed
 - ③ If trade allowed, specific producers to specific users.
- Failed to resolve long-standing polarity.
Current criteria probably will be adapted.

Report Latin American by Edgardo

ENETH B. Institute

Carina Tourism
Witness

Submit

short paragraph on

Tourism forecasts - what they're working on.

+ Case Histories - Good or bad

Person presentation - ① Rate of Population Reduction

- ② Extent of Occurrence/occupancy (RANGE)
- ③ Effective population number of Breeding Adults
- ④ Probability of Extinction - (Combined)

population / life history data

A) The criteria can be applied to any taxonomic unit at or below the species level

b) Geopolitical unit - can be applied

c)?

Whittow =

956-5046
956-7983 *

Depart 3/26 #2301 BUSINESS CLASS Period Locator = 7PA ~~5~~ 119
 Sat FL 827 805am 547-2811 3/31 8pm [9pm 822] [815 826]
 UNITED AIRLINES Thurs F2830 arrive 3/31 Thurs 7:35am

HAWAII KAITAKI 422-2222 TEANNE A. MARTINEZ
 (904) 373-4480 HOME
 (904) 373-6441 OFF

needs

PUNALUU
 5-6 April
 Tues-Wed

Stendora - "Index of deviation" 0-1
 Presentation Net Movements / GROSS MOVEMENTS

Little Leatherback - * Standora * D. McDonald
 * Tuscon * Anders Rhodan
 sent Steve Johnson [Turtle watch slide] Ehrhart's student

(Schweder - Training Manual Beach walks)
 - Comic Book to Deborah Crouse MEXICANS

Standard deviation vs Standard error?
 - Punaluu Sand - Ralf's father
 - Earth Island Institute - DONNES / FINANCIAL?

Prep - CITES Delegates - who? what? STATIONS?
 FAT Lucille (of Institute) Countries? CITES PAYS for 2 from each country
 Brownell? CITES?

need staples - Box in office drawer

5-6 APRIL 484-1111 PUNALUU HONOLOA
 PUNALUU ALOHA AIRLINES - DEPART HILO
 TUES - Wed → * 5 APRIL - TUES. 9:55 AM → 10:41 AM
 FL 436
 * 6 April - wed 5:45 pm - (6:30 pm)
 FL 65
 Rec: JVIWDP
 Loc: JVIWDP

NATIONAL car Rental =
 800-227-7368 #32
 #910 396
 464
 MIDSIZE
 4-Door

Domestic VA = 547-2211
 → Conf. # Dollar = 644 841

120* Address = Necropsy of stranded green 10/93

3/11/94 Home ⁹⁹⁶⁰³ Alaska Betsy Webb ^{108 lbs}
3779 Bartlett St (907) 235-8635

~~Fedex~~ Peter Bevis - Seattle ^{ROAD-KILLS}
54 N. 35TH ST. Molder ⁶³² - a black rubber
SEATTLE, WA 98103 ²⁴⁴² ⁶³² ⁴⁸⁸⁰
Scott Lane NMFS ^{Received} to receive part of stomach

~~Scott Davis - Texas A&M~~
Peter Bevis, Fremont Foundry, 154 N. 35th St (206)
Seattle, WA 98103 ⁶³² ⁴⁸⁸⁰

Telecon 3/11/94 Ray Lovell 591-4283 ^{Bevis} ^{632 Home} ²⁴⁴² ⁶³² ⁴⁸⁸⁰

PAGER 3/12/94 3:45pm Terrace - Docree hotline.
SATURDAY TO left of Alii Beach Park near
Japanese school - 700 lb Seal on the beach,
Relayed to WGG

PAGER 3/13/94 Janis 8:30am Heia Pier - Boat
Sunday Ramp. Large dead - crack
across sarapace - possible
boat collision. Tumors = UNK

16 March Wednesday 6:30 AM FL 88 7:09 AM
6:10 pm 485 6:45 pm
KONA ~~wait~~ (wait list) 4:15 pm 487
KONA ~~wait~~ Rental #31 0911782076
JAMIE Perry = 929-9741

Report from Marty Wisner via David Tarnas

3/11/94 3:11 Turtle on beach 5:30pm to 3am 3/12/94 " " " " same
Mike Stevenson - Pool manager

Leclari info

(~~Patrice~~) - ~~Small 18" in front~~
of Carol House Restaurant

* Robert Hines, Ass. Manager - Hotel

885-6622

10:30pm definitely 2 people
J-20 left flippers

kind of buried in the sand
whole back end in sand, Seal on

24" x 30" [intertidal zone] when Robert returned

Note - J-20 LFL w/1003 & PIT tag
was a 45cm please 7/4/93 from Maurafani - so can't be that turtle.

3/15/94 Ms. SIGRID Southworth
near the lit. Ham School. Frank M. Hoff Learning Center

16 MARCH 94 KANAWA Beach Park #1
wed w/Geo. 7 had-snekel captures - all new

PAGER
collected
home

3/18 PM Audrey Sutherland
637-4126
Caribbean Seal

[Pool] 3/20 Seal "Marijcke" 637-6939
Sunday Waialua
5 PM Kasane St. Block
(Big). every staying a
couple hundred yards away

John Swett Sent Boy Scouts
North 14517 Chronicle
Med, WA 99021

3/21 Sent - Brook Knowles Box 1137
Haiku, Maui 96708

Russ measure

~~CC=98.5~~ Sent - Peter Colburn P.O. Box 906
Paunene, Maui 96784

TRAY NUNES
47-304 C LULANI Street Kaneohe 96744
Dead strand

children NEED

5/19/81. KBAV NOSC lobster larvae
collector pentangled

Book newtags applied 3336 L25
5/5/81 RFL

MISC 4 58. SL 61.6 X 48.4 PL 49.1
p. 56 C 66.1 X 57.5 Head 9.1

WT = 61 lbs. TAIL 11.0

Sent Todd Steiner - Sea Turtle Restoration Project
Earth Island Institute
300 Broadway
SF, CA 94133
Tel. (415) 788-3666

★ ★

3336 RFL → 3383 LFL

said recovered east

Need to look up in DATA book

invest at East 6/6/90 → 7/24/90
CC=99.8

12/9/94 (X723 PNG 9/92 Tahiti

Sailly? Robert Moritomo - 247-6816
3/22 46-123 yacht club dead turtle
By Drain 8' high. - By Storm
Russ checked 3/23 am - Gone = washed away.

Sat. Jamie & Bill Perry

3/19/94 Saw "Man" & Maroon Head acting normal
Sat at Kahaluu beach park

3/23/94 Telecan SANDY BORTNICK - Waikoloa Hotel 885-1234
DVM
Need PLACED Concerning Turtles and tourists replace LINDA ELLIOTT

24 MARCH 94 FORUM ON SEA TURTLES 1-5 pm

THURS Sierra Club Legal Defense FUND - Hawaii Maritime Center
Panel = GHB, Katsura, SULTZ, D. Heacock

- needs
- EAGLE Hardware - "SOG" brand tool
 - INCLUDE NUMBER TAGGED
 - KATAHIRA - aerial Horseshoe slide + Punaluu
 - POTHE - Riviera Resort - PAO Sect. 7? NITZ
 - TUMMORS - subscribe to newsletter AS promised
 - Call Susan - FFS decisions NWHI - Refuse permit take ULUA
 - JAW GIVE DOI TRANSACTIONS 2 Selina ABSTRACT 3 DOI TRANSL. TO SELINA(?)
 - DOI Translations into proceedings / KAREN / ALAN / AND/OR C. I. P. RESEARCHER THINK OF DOG
 - FINISH Writing Elastomer note + "containers" PHOTOKS
 - Look up WCSTC Starnyk - predators
 - VNP Historical letters to Larry.

- Recent
- Rose's ABSTRACT to R. Stone Fiji
 - NASCENT in Hirtn(?)
 - Send Toxicology Aguirre to Northhampton + Hirtn
 - Get SPC report into WP file (photos?) self publish? or SPCP
 - Naylor Book? call Ken Dodd

Tokyo 24 SAT
MIYAKO HOTEL

26-31 MARCH 1994

TOKYO MIYAKO HOTEL
28-30 MARCH 94

INTERNATIONAL WORKSHOP ON THE MANAGEMENT OF MARINE TURTLES IN TOKYO, 1994.

3/28/94

NARAKOGA - introductory - not very pleased with results of past meetings.

Proceedings

They are quite eager to start importing beiko again, said Japanese Government stopped it at end of last year. To this end, they

LAST meeting?

Government stopped it at end of last year. To this end, they

LIMPUS - CHAIR
P. ROSS - COCHAIR

would like to see progress at this meeting.

LIMPUS PRESENTATION = "SUSTAINABLE COFFEE USE"

LAST YEAR

LIMPUS "NIGHTMARE" TALK,

I PROPOSED

"AQUACULTURE WITHIN BOUNDARIES OF JAPAN"

1) SAT. TRACK
CUBA

"PROBLEMS OF CITES ARE SOLVED WITHIN JAPAN - BAD MANAGEMENT -"

2) RANGH
WITHIN JAPAN

3) Synthetic
- Silk worm

J. WOOD - PRESENTATION

Cell Culture
RECOMMENDATIONS
I propose

BALAZS

ALSO - Bowen feller
to Beiko - Cuban Biol
to UN. Fla.

MARQUEZ

JOI statement
"IN JAPAN"

P. ROSS
3 Foundations of Rearing Criteria

Genetic ID of populations (stocks)	Regional Management Plans	Trade Controls • Quotas • Product ID
--	---------------------------------	---

MR. NARAKOGA - JBA President
Secretariat:
Mr. Mizuguchi
Mr. Terauchi
Mr. Sekiguchi

Need

BONNET - slides

Bekko Smuggling article to Eckert. CA. Osel + Pomtor

PRIVATE MDNA Lab #50

KAMEZAKI - SKULLS

EVCN MTSG stationery - Marydele

CITES

EUGENE LAPORTE - "Criteria set up for ranching, the charged a few years down the line, (live Sumane) would doom ranching plan project in progress."

3/29/94

Dr. Carrillo - overview presentation (HARD copy)
- CARLOS PEREZ Puentes (no hard copy?) - HABITAT characteristics at Lagos
Saw nests in the wild - moved them - 75% hatch - 75%
702 nests ~~est~~ estimated TOTAL annual [primary nesting area]

6 Biologists

CUBA

PINATARIO ISLANDS - MUCH SMALLER IN SCALE
[Miller's thesis - 300 turtles various]

N. MACHI

- DNA - TOKYO UNIV.
Georgina ^{ESPINOSA} Lopez spend 1 month there with hubstaff Cuba samples.

Tervio SUGIYAMA

- BLANC ANDRES ARAEZ - Stomaches - 64 samples - LENGTH OF TRACT CONTENTS
762 (preg ♀) 765 sponges, 20% vegetation

- FELIX MONCADA GAVILAN - Migration around Cuban waters - 378 total, all size classes 36 recaptured

8 of 378 (2%) tagged on beach - nest ♀
DODD LAGOS. + Near the beach net used to take males and females.

Custom made Stimless tag Fish. Ministry, # of tag, + LOCATION, "MIP" size 49 "MORVEL" MONCADA CUBA favora + number

NAME

If there are so many nesting, why can't they wait on the beach for them to come up.

pe
Mary
Columb

3/29/94

need

- GEORGINA Espinosa Lopez
[200+ hawksbill sample both from Cuba to Japan for Tokyo Univ. with no CITES permit (or at least no check at airport) ie, not declared.

no. 125 Vol. 11 1990 FAO SPECIES CATALOG
MEQUERZ - Vol II Sea Turtles of the World

Felix = "possibilities of some resident and other migratory out to other areas"
"JUST suggesting possibilities - NOT ABSOLUTELY confident"

*
Perran
CUBA TAG
CLASSIFICATION
2000m
from Woody
then
Titanium
Australia
Harawa
Address

FELIX = AGE AT MATURATION
N=8 on the beach SCL

X = 74.5 cm 62-90 cm yr²

- GONZALO NADARSO RANCHING

greens and tidleys experiment (with an Isla de la Juventud. Purpose is for commerce, 23°-29°C, % 36-38; ph 8.1-8.7

89% released in headstarting, 100 turtles in one tank, size & wt. each month, 1.4 cm/month up to 12 month. Feed fresh fish daily.

70% survival at one year. Many turtles suffer from disease. 4 major: (1) Dermatitis (2) Estomatitis (3) Conjunctivitis (4) Enfermedad de la concha (carapace). 75% of diseased turtle recovered. Many have disease first 6 months. Grow normally after recovering 40-45% protein.

NO TURTLES AT "EXPERIMENTAL RANCH"
OLDER THAN 2 YEARS. NO commercial evaluation of Bekko yet.

IMPEP - Greenp
Appropriation
81-3-
5570
6178

* Need - workshop folder for Karen B. Hawksbill post cards TO PHIL 127

Predation by sharks is one of the reasons protection of turtles is needed.

3/29/94 "Hawks" - Program overview
Initial experiments so we haven't gained full information yet

DOI - 14 years Cuba = 75 cm -78 cm
but some mature at 7 years - 50 cm.
2.3 times nesting, 2.6 years remigration,
.75 hatch rate, gender ratio 8:2 ♀:♂

DOI - Aerial Helicopter Survey Paper
Based upon old assumptions - could be misleading.

- Breeding season Sept. - December
DOI - Verbal aerial survey by Arzeno

- Field survey found 3 times more nests than aerial helicopter survey.

- MAURICIO Garduño Andrade & Rene Marquez
Yucatan hawksbill tag returns,
10-16 years to maturity

based on measurements from 0-7 years.
Number clutches per ♀ equates to age. "Lower No, less age"

- Carlos BOHORQUEZ R. (Columbia)
Cartagena reefs & islets.

3/30/94 - Moetimer presentation - Cousin IS, Seydells
CITE? Since 1969 nest monitoring. No distant tag recoveries
Slide Dup.

Criteria changed constantly
- La POINTE - No matter what scientific information, the political decision will be the same.
- PHIL WILLIAMS
GO TO PAGE 4

Purchase Needs

① 1100 8/82
gropter
FFS

② 1733 small
Titanium
Stock Brands 1984
7-8/84
Tossed east

- 1. Jeweler's Saw
- 2. Depth Finder *Marc*
- * 3. Sat. Transmitters
- * 4. Inconel tags
- 5. Pit tags & reads
- * 6. PC Surg back-up battery
- * 7. Plasma analysis - Smith Kline
- 8. Small refrigerator
- * 9. Ed - Contact
- * 10. CITEZ permit
- * 11. Elastomer ^(MORE) - Resin - cloth
- 12. Tern flight
- * 13. Repair Zodiac / Assemble ZODIAC
- 14. Alonso
- 15. ML-3 Ring flash
- 16. GSA
- * 17. Banner ^{NMES}
- 18. Install Necropsy Table - Garbage disposal
- 19. Assemble Zodiac
- "Excessive Predation" - ESA

~~WFF~~ Graft
Seam
2-3rd
left Cat
3 left
plate
center
Blk dot

ad large
More shanks w/ same or declining
food resources requires intensified
exploitation of what's present,
available

Use "KPJ LASER4" (print job no.)
cancel

Turtles hooked and released during longlining are then more susceptible to predation by sharks (or?)

METRIC SYSTEM WITH U.S. EQUIVALENTS

METRIC UNIT (1) U.S. EQUIVALENT

LENGTH

millimeter	(mm)	0.04 inches
centimeter	(cm)	0.39 inches
decimeter	(dm)	3.94 inches
meter	(m)	39.37 inches
decameter	(Dm)	32.81 feet
hectometer	(hm)	109.36 yards
kilometer	(km)	0.62 miles
myriameter		6.2 miles

AREA

square centimeter	(cm ²)	0.155 sq. inches
square meter	(m ²)	1.196 sq. yards
are	(a)	119.60 sq. yards
hectare	(ha)	2.47 acres
sq. kilometer	(km ²)	0.3861 sq. miles

WEIGHT

milligram	(mg)	0.015 grains
centigram	(cg)	0.154 grains
decigram	(dg)	1.543 grains
gram	(g)	0.035 ounces
decagram	(Dg)	0.353 ounces
hectogram	(hg)	3.527 ounces
kilogram	(kg)	2.2046 pounds
quintal		220.46 pounds
metric ton		1.1 tons

METRIC UNIT (1) U.S. EQUIVALENT

VOLUME

cubic centimeter	(cm ³)	0.061 cubic inches
cubic decimeter	(dm ³)	0.0353 cubic feet
cubic meter	(m ³)	1.31 cubic yards
cubic decameter	(Dm ³)	13.10 cubic yards

CAPACITY, CUBIC

milliliter	(ml)	0.06 cubic inches
centiliter	(cl)	0.6 cubic inches
deciliter	(dl)	6.1 cubic inches
liter	(l)	61.02 cubic inches
decaliter	(Dl)	0.35 cubic feet
hectoliter	(hl)	3.53 cubic feet
kiloliter		1.31 cubic yards

CAPACITY, DRY

deciliter	(dl)	0.18 pints
liter	(l)	0.908 quarts
decaliter	(Dl)	1.14 pecks
hectoliter	(h)	2.84 bushels

CAPACITY, LIQUID

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

Control V

= 6,36 (degree symbol) (gives 26 in 26 N)

No. 09-9132
Coll. Margin 60 Pgs



0 72156 99133 4