THIS SIGN IS
U.S. GOVERNMENT
PROPERTY

HELLO

L4's AMAZING Monday
RETURN-DEC. 20, 04

"T-CONDOLET" = Electrical Box

3 OF 3

HONULANI II alco™
Composition Book

Name

School

Grade APRIL 2004-July 2004

Wide Ruled 66.8.225.163

9 3/4 x 7 1/2 in. 100 Sheets
(24.76 x 19.05 cm)

BALAZS (808) 286-2899

FIELD NOTEBOOK

GEORGE BALAZS

Marine Turtle Research
NOAA NMFS PIFSC
2570 Dole Street
Honolulu, Hawaii 96822

THIS SIGN IS
U.S GOVERNMENT
PROPERTY

10/12/04 Arrive 4 PM (to get
Tuesday @ phone mainly
& BASKING!

HPD officers report sighting of a large shark BASK

SINCE NOON

5:10 PM L7 = SCL 91.0 cm
MAX west 99-101°F
L1 96-98°F ~~83-89°F shaded side~~

FAR NMT-LH 413E195E1C
SCL 86.4 100-105°F
83-89°F
Shaded side

MID 86.9 SCL L2 SAND ON carapaces
99-100°F west

SCL 74.8 L6 92-96 W

LH 434769 1B2D 96-98°F W
SCL = 87.1 91-92° E

Depart 6 PM

Thursday
10-14-04 Arrive 1030 PM
Set up. 3 stout fishing
poles on the beach.
overnight

10/15/04 up 830 AM
Friday

Did email work most
of day. Rough - tone
surf. No turtles
on the beach and
very few people. Painted
Hurricane Cam Block
point. Wedding tomorrow.
a turtle or 2 seen by
rocks to left

10/16/04 Arrive 4 PM
Saturday
Female adult out fishing
Mid - land as back near water
4347691B2D LH

(134)

Panda Group
25th Anniversary

~~Shower~~

Robert (Bob) &
Linda Thorp :
637-9097
Daughter
Shannon
~ 14 y.o.

www.pandaonline.com

10/16 Saturday
all day
moderate
choppy surf
few surfers..
And very
few people
on the beach
although it's
pretty good
weather
Sunny no rain

Panda Group
25th Anniversary

Lisa Blackmon
637-3550

next to
Thorp
lived here
2 years, 5 months
had a baby pregnant when
we have lost the arrows
of picture of Atlantis
pregnant that Atlantis
head turnin'
need to
view

overnight

10/16/04 Wedding + party

Saturday – Ate canned beans, bread salmon, 2 home beer, at wall 830pm.

6 PM Call from LEE Higgins 638-8883 Saying she was just at Alligator rock beach and saw ATLANTIS. I went there and found turtle on day stand. Video + digital pictures taken. Talked with people house each side of where turtle was at. See page 134. Tumor is very broad attachment at base. Need Blood to BANK –

Need to consult with TW re; research potential & value.

LH "Atlantis"

J21A735c
59

22ØE18493
RH

SENT TO Dutton

DNSO Skin and Blood Biopsies from Green Turtles at HONUCANI LANIAKEA, N. Shore Oahu

	ID	DATE	SCL cm	Description
①	L14 425ØØBØ22E	2-3-04	85.2	Male - Skin Biopsy
②	L16/424D5342A9	2-4-04	77.6	Skin Biopsy
③	L9/433C707505	4-204	~~63.6~~ 63.6	~~[illegible]~~ Skin Biops Immature
④	L3/4347691B2D	2-3-04	86.1	Female Skin Biop
⑤	G514 - L13	2-3-04	90.1	Adult Female Skin Biop
⑥	L17/443AØB23ØB	4-2-04	64.4	immature - Skin Biops
⑦	10487/10485	2-4-04	84.6	Adult Fem Skin Biops
⑧	4452Ø727 6A	12/18/03	54.0	DNS Blood

= STMiddle - Touch shell but not SIT (137)

10/17/04 UP 800 AM
Sunday

11AM =
11 people on the beach
2 IW
Maybe 1-2 turtles present

~ 1PM L2 hauled up.
~ 2 pm 2 others very
near to L2 place on the
beach.
= w/L2 320 pm
LH F2 ~~[illegible]~~ 433F397534 unknown male = L11

LH 433F397534
534 unknown

RH 433D493D 66
SCL=74.8

Depart 505 pm all
3 still out Boarding.

Noted in recent weeks
Japanese tourist being rude
when offered turtle "literature"
gracefully saying "No!"
Not even wanting to look
at the pictures.

fire burning on wall

10/19/04 LAST SENSE of AT HONOLAN HALE
Tuesday ARRIVE 2pm

L1 out (far)

Departed ~ 4 pm
No others on the beach
but 2-3 including L7
in shallow water.

10/20
Wednesday LAST DAY HONOLAN HALE

12 noon L1 out
FAR
gone back ~ 2 pm
Cleaned Honolan Hale
and moved out

Depart 3 pm

Prior Picture when Pregnant
February 04 ?

Sunday Pictures
10/17/04

I Sent
10/21/04

Amber L. K. Naipo
178 Lakeview Circle
Wahiawa HI. 96786

KAMALANI ♀

KAWAI ♀

Mon Drs
old = KAMALANI

10/17 Am Re: limousine Japan tour —
Hold some people to a higher (different) standard —
because ① NON-Caucasian
② NOT Local
③ on a tour
④ in a group

Does Noise/voice/"crowding" disturb them?


00000001.jpg
00000002.jpg
00000003.jpg
00000004.jpg
00000005.jpg
00000006.jpg
00000007.jpg
00000008.jpg
00000009.jpg
00000010.jpg

(141)

Picture By Li Denise

with KATERINE & Denise

11/28/04 SUNday RAN off out at 5 AM Sunrise

11AM off Alii Haleiwa

BP – Saw 5-10 feeding most large. TO Pupukea – not many seen feed ~2-3 that's all. Roger "standing Guns"

TO HONOLAN: L7 hauled out 5-8 large nearshore Some feeding.

Stayed ~1½ hours. Spoke with Joanne.

Back in Honolulu ~330pm.

12/10/04 Friday

Alone TO HONOLAN: ~4PM Low Cond hdg

~10' Wrashwave

Not hitting shore

NO Surfers.

TO RUN 1/22/05. AIR ON TV

Need lots of digital pictures

YOMIURI T.V.
読売テレビ 1月22日 O.A 15:30 ~ 16:55
KANSAI AREA ONLY.

Filming on Japanese Beach w/ LI

Oahu tour guide said - "The Turtles come here to hang out"

LI on the beach the whole time.

Depart 6:20 pm Sunset about 25 MIN ago. Tide so low that streams of water formed in lower beach - undoubtedly due to sand having been eroded away.

TO HONULANI ALONE

JOANNE said they came on deck. HONULANI

LAST week There were 40 foot USE IN X-CAB BRAND NEW

ARRIVED 1:35 pm

12/20/04 Monday

OVERCAST w/ Modest WAVES - NO SURFERS.

① L1 BASKING MID Beach

+413E195EIC ♂ Adult ♀

LH

② +4136321B65 RH

these 2 basking when I arrived. Not on tagging list

③ SUB Adult ♀ out 2 pm

LH 435C2C7A32

Large ♀ out 2pm:

④ LH 1/4 MISSING Adult ♀ out 2pm

LH 4347691B2D

⑤ L4 ♂ hauled out FAR Beach 2 pm

⑥ IMMATURE Male LH 442E084F24 out ~2:30 pm

⑦ L7 BASKING out ~3 pm

12-20-04 HAPAI
Monday BABY DUE IN MARCH

Sent ~~need~~ ~~pictures~~ Resent 1/21/05

Eileen Snider photos of her L4 by 2:20 PM
150 Varick Street 8TH FL
NY, NY 10013
w/sister who had baby a few months old.

see next page

Sent ~~Need~~ ~~Pictures~~

Monday 12/20/04 Husband & wife with L4
Abel
707 Burke Ave NE
Grand Rapids, MI 49503

L4 & L15 Same day Resighted? Very iRonical TOO much to be chance!

JD & I ~2:45pm Saw "Mana" L15 in shallows with ~2 other turtles. Y'all Part missing? But TDR is inside seen. Copulation took it off.

→ MANY Photos, 2:15pm with JD's help unscrewed lid took out Mk9, easy, 3 minutes, Put lid back on, Turtle never blinked.

Depart ~5 pm

Mk9 = #039079

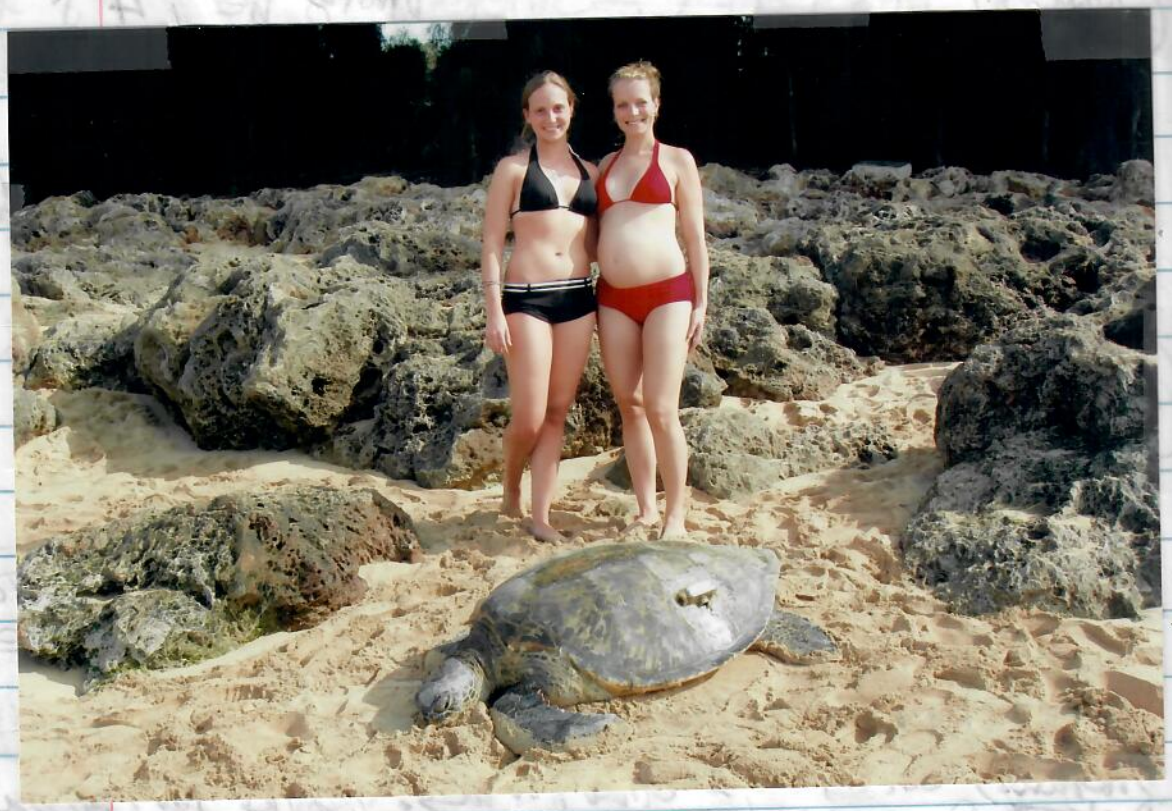
12/28/04 Tuesday L11 BASK IMMATURE MALE

LH 442E084F24

#2 Neck
#1 R eye
#2 L eye

Smooth

L4 December 20, 2004 2:15pm



with NOE, PETER & DIANE K from MASS. (147)

12/28/04 TUESDAY

Photos - need +

Yuko Froemke
5363 Edgewater Dr.
Ewa Beach, HI 96706

Due date - Today 12/28/04 / +2 kd EWA Beach

Don't

See picture page 150

L12 BASK - PAINT MT
JUST BACK?

+ L1 BASK

Depart ~ 330pm

1/3/05 MONDAY

Arrive ~ 1230pm
Depart 3pm

"Steam shovel" pictures Hani home finally constructed bottom floor. High Waves - JO gone - I went inside for shelter. Big surf. Bolted up BASKING sign on ironwood tree. Found ladder in shed.

Prints sent to Dave Wall 1/05

To page 154

L4 Monday 12/20/04

(48)

> -----
> Date: [redacted]
> From: [redacted]@aol.com 12/8/04
> To: gbalazs@honlab.nmfs.hawaii.edu
> Subject: Dec 8
>
> Hi George,
> An immature female (similar in size to L-6) has been basking on the
> beach for the past 2 afternoons. I think she's new to Honulani...What
> information
> do you have on MT 4453784E23 ?
> Aloha ~ Jo
>

(149)

See P. 123

Revised 04/04/01

"Scallop"

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

SEA TURTLE TAGGING FORM

NO MOTOTOOL

DATE FORM FILLED OUT / / 10/9/04

CAPTURE DATE, LOCATION AND METHOD: Laniakea HONULANI - BASKING 645pm (Past Sunset)

PERSON RECORDING DATA:

TUMOR SCORE: 0

ORAL TMRS EXT: YES OR NO: —

EMACIATION CODE: 0

OLD TAGS:

NEW TAGS:

~~RFL~~

~~LFL~~ LH

4453784E23

STRAIGHT CARAPACE - LENGTH: 145 cm

WIDTH: — cm

NOTCH LENGTH: — cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH: — cm

WIDTH: — cm

HEAD WIDTH: — cm

AXIAL: — cm

LATERAL: — cm

PPS: YES OR NO OR NE: —

SEX: Male, Female or Undetermined: U F?

TAIL LENGTH: T — cm

C — cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: — cm

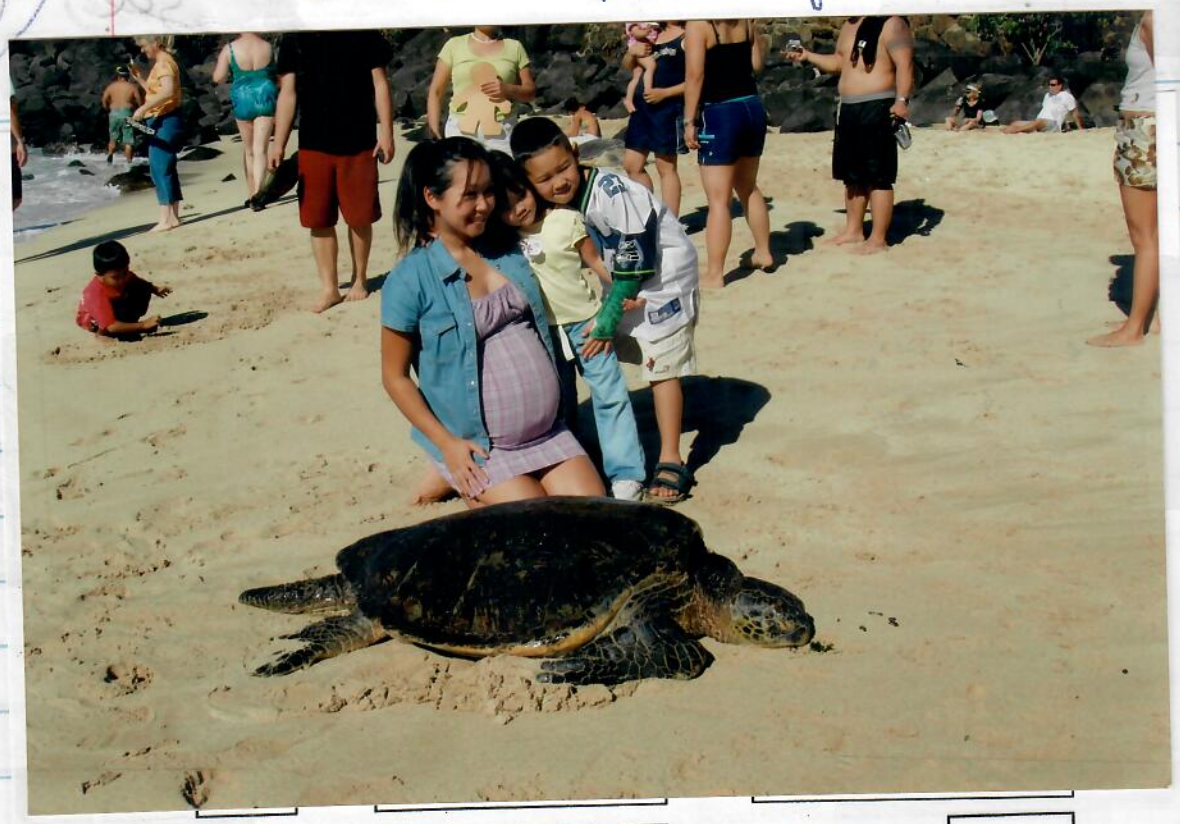
PLASTRON LENGTH: — cm

WEIGHT: — #

DESCRIPTIVE REMARKS: PIT TAGGED LH only without sustained while basking - Small flinch but the turtle never moved.

This is the turtle seen basking here from time to time described as subadult female with healed indentation to right posterior marginal.

(150) Due Date 12/28/04 picture taken



STRAIGHT CARAPACE - LENGTH: cm WIDTH: cm

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

CURVED CARAPACE LENGTH: cm WIDTH: cm

HEAD WIDTH: cm AXIAL: cm LATERAL: cm

PPS: YES OR NO OR NE

SEX: Male, Female or Undetermined

TAIL LENGTH: T cm C cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

March 15/04

Marine Turtle Research
c/o George Balazs

I am from Canada & recently we were at a beach near Hale'iwa, vacationing & observing the turtles that come to shore.

We met one of your workers there - George Balazs who was extremely pleasant & very informative. It was dusk & he stayed - answering everyone's questions. Also, he took pictures of us with his camera & sent the pictures to us (we didn't have our cameras along) - which we appreciate very much.

It was great to meet a government worker who was so friendly & willing to help - not worrying about the time.

This is the type of worker that is very beneficial for Tourism of Hawaii. Wish our elected officials in Canada & U.S. were as ~~caring~~ caring for the general public as George Balazs was - maybe then we would have more Trust for our politicians. Thank you very much

Aloha George →
It's feedback like this that makes me proud to be your supervisor and a fed. employee - Michael Wood
cc: Jeff

Roger Holdner
Box 422
Christopher Lake, Sask.
Canada. S0J 0N0

152

Revised 04/04/01

Basking

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

Seems fine.

Been there since at least 12 noon.

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT / /

3 PM

CAPTURE DATE, LOCATION AND METHOD: 1/7/05 Friday Haleiwa Alii BP West

PERSON RECORDING DATA: GB

TUMOR SCORE: 0

OLD TAGS:

4601681215

ORAL TMRS EXT: YES OR NO: —

LH

New

EMACIATION CODE: —

STRAIGHT CARAPACE - LENGTH: — cm

WIDTH: — cm

NOTCH LENGTH: — cm

DB: Ø L.O.

VB: Ø L.O.

CURVED CARAPACE LENGTH: 91.5 cm

WIDTH: cm

HEAD WIDTH: cm

AXIAL: cm

LATERAL: cm

PPS: YES OR NO OR NE

SEX: Male, Female or Undetermined

TAIL LENGTH: T cm C cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: cm

WEIGHT: #

DESCRIPTIVE REMARKS:

Sand road access - Right next to Brand New PARK BATHROOMS.

called by locals "Japanese School Beach"

JODO MISSION

Sharpie Marker Pen SQUARE 1 inch

put on 3rd Lateral Left & RIGHT AS Temporary MARK

(154) from page 147 1/7/05 Friday

TO North Shore 2 PM

My car. Drove first to Haleiwa Ali'i BP call from Shawn about large turtle on beach w/ fishhook in mouth - pink fluid - turned out to be large male no tags no distinguishing characteristics. No sign of problems. Talked to many people, handed out literature showed pictures in copy of Patrick's book. HPD & Frank DOCARE arrived, later when no one the DLNR inserted PIT in LH. Slight jerk but turtle didn't move away.

"HALEIWA ALI'I" WEST

Photos CCL = 91.5

4601681215 LH

See page 152 DATA form

Said to have been here since at least noon.

~~64.8 10/2/03~~ ~~68.2 9/17/04~~ 69.2 SCL

TO Honolani ~4 PM

BASKING - FAR RH 435C2C7A32 = L11 (but too faint to read)

SCL = 85.2 L1 10/9/03

MID Beach = L1 85.4 SCL

1/17/05 · HSB
MONDAY

On the water

OAHU SURF REPORT

Forecast surf heights are estimates of the height of the faces or fronts of waves. This might be up to twice the surf height traditionally reported in Hawaii.

Wave height for Today:
North: 25 to 35 feet
South: 2 to 5 feet
East: 1 to 3 feet
West: 18 to 25 feet

Extended forecast:
The surf is expected to peak today, followed by a slow decline through Thursday.

MARINE ADVISORIES

Coastal waters: Winds southwest at 15-20 knots today. Wind waves 5 to 7 feet; 18- to 20-foot northwesterly swell. Visibility will lower to less than 2 miles in any shower.

Channels: Winds southwest at 15 knots today. Wind waves 4 to 6 feet; 12- to 15-foot northwesterly swell. Visibility will lower to less than 2 miles in any shower.

Day and night

UV INDEX

The ultraviolet index rates your risk to sun exposure. The higher the number, the greater the risk, with 11+ being the greatest risk. Tomorrow's forecast:

4

AREA SKIES

FULL NEW

First	Full	Last	New
Jan. 16	Jan. 25	Feb. 1	Feb. 8

MOON	Rises	Sets
Mon.	12:32 p.m.	12:50 a.m.
Tue.	1:08 p.m.	1:44 a.m.

SUN		
Mon.	7:12 a.m.	6:12 p.m.
Tue.	7:12 a.m.	6:13 p.m.

PLANETS		
Venus	6:02 a.m.	4:51 p.m.
Mars	4:16 a.m.	3:07 p.m.
Jupiter	12:00 a.m.	11:46 a.m.
Saturn	5:48 p.m.	7:03 a.m.

Yesterday

RAIN IN INCHES
At Honolulu Airport as of 4 p.m.

Yesterday	trace
Month-to-date	3.08"
Normal month-to-date	1.44"
Year-to-date	3.08"
Normal year-to-date	1.44"

TEMPERATURE
At Honolulu Airport

High yesterday	81
Low yesterday	76
Record high	87 (1998)
Record low	58 (1985)
Normal high	80
Normal low	66
Average humidity	79%

Volcano

Kilauea: Most of the vents in Puu Oo's crater are obscured by fume this morning, but glimpses of East Pond Vent, January Vent and Beehive show incandescence.

More information

National Weather Service
Oahu forecast: 973-4380 or 4381
Oahu surf report: 973-4383
Marine advisories: 973-4382
Wind & buoy reports: 973-6114

Mainland forecast

Snow and strong winds will make travel difficult this morning across southern New England. The Midwest will be cold today with lake-effect flurries, but the Northwest will have rain and mountain snow.

JOANNE moving "OUT" date now 2/24/05

JANUARY 20, 05 TO Laniakea w/ Uchida & Kurita
Thursday L1 on beach basking. Another returned TO The water SHORTLY after arrival.
Surf choppy but no large.
Photos w/ Uchida & Kurita. Went onto Property for handouts and look at shoreline. Low tide.
No turtles seen foraging.

(121)

NEW IP =

1/16/05 ~ 4pm arrived at HONOLAU
Sunday "Police line" flagging tape all
photos along highway keeping people off the
beach. L1 shoulder out. C Defense
present. Said to be 40' waves coming
10pm tonight.
Went to Johnnes (not home) and
used my notebook to obtain IP address
because camera stopped operating about
5 days ago.
Departed about 530 pm.

2004

CENSUS DATA FOR LANIAKEA

DATE/DAY	TIME/HOUR	TURTLES				PEOPLE		NOTES
		No. basking	Place on beach	MT ID's	No. in ocean	No. on beach	No. in ocean	
6/30/04	11AM	2	FAR → L7 — TO SUNSET Mid head TO Sea - unknown					Camera
7/1/04	530pm TO SUNSET	1	only turtle ALL DAY	L6		Hauled to BASK 15 MIN after video		video made IN Person
6/30	4pm	1		L6 w/L7				Video Large Beachrock Camera
7/1	IN water pm	IS 2w		L13, L15 TDR & L17			By Beachrock Down the way	feeding IN person
7/6/04	515 pm	3	(MID)	L7 far L3, L6	pictures of L3 L6 together			Camera + Joanne
7/9	72pm	3	L1 L7 together far L6 near					IN person - pictures taken
7/10	PM	3	L1 FAR L6 Mid & Not Marked small Q		no PT			IN person
7/11	3pm	2	L1 - 3pm far L6 - 315pm					IN person

CENSUS DATA FOR LANIAKEA

DATE/DAY	TIME/HOUR	TURTLES				PEOPLE		NOTES
		No. basking	Place on beach	MT ID's	No. in ocean	No. on beach	No. in ocean	
7/13	w 5pm	4 (all close)	far	Couldn't ID any of Them		Picture taking DIDN'T WORK		VIA Camera
7/12	NO	BASKERS	Seen	all	DAY	VIA		Camera
7/16		5		L1 L5 L11 L3 L10				IN person
7/23		camera NOT working						
7/24		IP change?			now	66.8.225.163		
7/25								
7/25 Sunday		IN SHADOWS WITH PEOPLE FEEDING		L3 L7 L13, L15 (TDR)				IN PERSON NO BASKERS
7/26	Monday - Camera UP - NEW IP					66.8.225.163		

CENSUS DATA FOR LANIAKEA

2004

DATE/DAY	TIME/HOUR	TURTLES				PEOPLE		NOTES
		No. basking	Place on beach	MT ID's	No. in ocean	No. on beach	No. in ocean	
8/22	1PM	2	FAR	L3 L1				Camera
8/20	6PM	2	FAR	L1 L6				Camera
8/29		2	NEAR MID	L1 NOID	Seen ♀			Camera
9/5/04	6PM	2	Near MID	L1 UNK ♀				Camera
9/10 Friday	630PM	2	FAR	Both fat ♀'s UNK				Camera
9/12	9AM TO at least Midnight		MID	L2				Camera sm + in person
9/30	~3PM Sunset	3	2 MID — 1 FAR —	L6 L1	L11 pictures w/ JP scanning			Camera lm + JP scan
Friday 10/1/04		1	Near	L7	+ MONK Seal	Bright packet		IN person

CENSUS DATA FOR LANIAKEA

DATE/DAY	TIME/HOUR	TURTLES				PEOPLE		NOTES
		No. basking	Place on beach	MT ID's	No. in ocean	No. on beach	No. in ocean	
8/23/04		3	—	L2 L8 L13		Night		SEEN BY JOANNE
10/2	04	2	Nervous Big	thick ♀ NO L7 Mid		PITS	Small prolapse!	IN Person

DATE/DAY

DATE/DAY

CENSUS DATA FOR LANIAKEA

DATE/DAY	TIME/HOUR	TURTLES				PEOPLE		NOTES
		No. basking	Place on beach	MT ID's	No. in ocean	No. on beach	No. in ocean	

CENSUS DATA FOR LANIAKEA

DATE/DAY	TIME/HOUR	TURTLES				PEOPLE		NOTES
		No. basking	Place on beach	MT ID's	No. in ocean	No. on beach	No. in ocean	

(166)

12/04

Thank you for the beautiful book of Turtles of Hi. I am planning on going through pictures of my youth to see if I have any taken there. When I do I'll send them to you. I'm very busy at this time of the year — 3 children, 7 grand — 13 grand. My oldest child was born Dec 4 = Thursday P.M. 1941 at the old Tripler Hosp. across ft Shafter. That's where I was — for 12 days. Not knowing whether I had any family alive until the 8 or 9th day. The Lord has been good to me. Have a wonderful holiday.

Met her at Carriates

~86 y.o.

Bless you at Christmas
and all through the year.

Aloha Nui,
Flora Cuevas

Ms. Flora C. Cuevas
2606 Pebble Bow
San Antonio, TX 78232

See p. 130

Duplicate

(167)

> -------- Original Message --------
> Subject: Turtles, people, and seaweed at Laniakea
> Date: Sun, 26 Dec 2004 13:00:27 -1000
> From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
> To: SA Judith Fogarty <Judith.Fogarty@noaa.gov>,SA Jeffrey Pollack
> <jeffrey.pollack@noaa.gov>,SA Paul Newman <Paul.Newman@noaa.gov>
>
> Judy, Jeff and Paul-- A short message of inquiry about the practice of
> people picking seaweed off the rocks, or scoop netting it floating in
> the water, and feeding it back to the turtles at Laniakea (and other
> places). This has been commonly happening, to my knowledge, for at
> least 4 years now at Laniakea. Since the food being eaten is what
> occurs there naturally eaten by the turtles, I have been very cautious
> in saying to anyone that the practice is illegal, or legal. In fact I
> have very intentionally maintained a position of neutrality whenever at
> Laniakea talking to beach-goers and conducting my research there. I
> will continue this position/policy. I do know from speaking with State
> Docare officers, and with the FWS- and I believe with your office LE-
> that no citations, nor warning, have ever been issued for "feeding" of
> naturally occurring seaweed. Also, to the best of my opinion, based on
> our on-going work at Laniakea, I have been unable to detect a
> deleterious biological effect on the turtles from this practice.
>
> To the best of your knowledge, does the above stated practice constitute
> a citable violation of any law federal law or rule relating to the
> protection of sea turtles? I am very often asked this question. My
> standard answer is "I just don't know." Sometimes (but not often) I
> refer people to your office phone, to FWS, and to Docare. Hence, my
> knowing the answer to the above question will be very helpful to me.
>
> Many thanks, I look forward to hearing from you by email or phone if you
> wish 286-2899. Happy New Year 2005, George

Jeffrey Pollack wrote:

> Hello Paul, I received this e-mail from George Balazs, and he wishes to
> know if people feeding sea turtles seaweed on the north shore of Oahu is
> a citable offense. Could you let me know what you think of this issue.
> Is there any case law that has addressed this issue, or the issue of
> people feeding any wild marine mammals, and if that activity constitutes
> harassment. Thanks Paul, Jeff
>

168

Duplicate of pages 172-174

-------- Original Message --------
Subject: Re: [Fwd: Turtles, people, and seaweed at Laniakea]
Date: Mon, 27 Dec 2004 14:57:33 -0800
From: Paul Ortiz <Paul.Ortiz@noaa.gov>
To: Jeffrey Pollack <Jeffrey.Pollack@noaa.gov>
CC: John Reghi <John.Reghi@noaa.gov>,Marc Cline <Marc.Cline@noaa.gov>,Paul Newman <Paul.Newman@noaa.gov>,George Balazs <George.Balazs@noaa.gov>
References: <41D04CC2.BD6C241@noaa.gov>

We'll, we don't let people feed fish to dolphins, so my guess is that we could probably argue that it is ESA harassment, but I'm not sure we'd get
much support in the courts - particularly if we don't think it is causing
too much of a problem healthwise for the turtles. Now, that being said, we
definitely don't want to have tourists think it is an ok thing to interact
with endangered/threatened species, so perhaps we should add a "no feed" message to our educational efforts with snorkel companies and tourists.

Subject: **[Fwd: Re: [Fwd: Turtles, people, and seaweed at Laniakea]]**
Date: Mon, 27 Dec 2004 14:00:34 -1000
From: "Jeffrey Pollack" <Jeffrey.Pollack@noaa.gov>
To: George.Balazs@noaa.gov
CC: Paul Newman <Paul.Newman@noaa.gov>, John Reghi <John.Reghi@noaa.gov>

Hello George, As you can see from Paul's message, he is advising that we do not want people to think that it is ok to interact with the turtles. Thus, I was wondering if any of the signs on Laniakea beach advise people not to feed the turtles. If they do not, what do you think about placing some signs that advise people not to feed the turtles?

One problem I see in letting people feed the turtles on that specific beach is that the people way then think that it is ok to feed sea turtles on other parts of Oahu, and even other islands. Further, these people may then think that it is ok to feed other wild creatures, such as Monk Seals. What are your thoughts on this?

Thanks, Jeff

NOAA

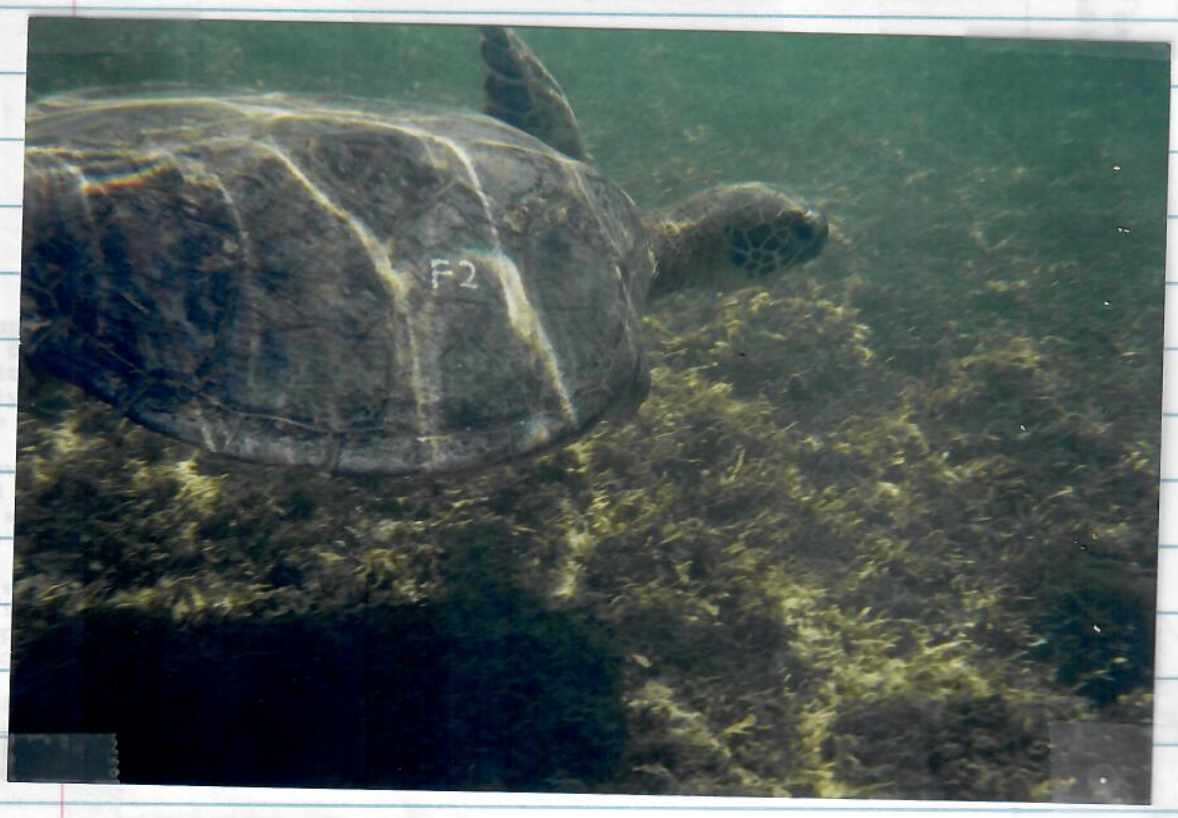
ESTABLISHING TAKE UNDER THE ESA

Section 9 of the ESA makes it unlawful for any person to "take" any endangered species. By extension under section 4(d) of the ESA, it is similarly unlawful to take threatened species.

The term "take" means "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct" with respect to listed species."

USFWS & NOAA Fisheries have defined "harm" under the ESA to mean an "act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation, which actually kills or injures fish or wildlife by significantly impairing essential behavioral patterns, including breeding, spawning, rearing, migrating, feeding or sheltering." 50 C.F.R. 222.102 (NMFS definition).

"Harass" defined by USFWS to mean "an intentional or negligent act or omission which creates the likelihood of injury to wildlife by annoying it to such an extent as to significantly disrupt normal behavioral patterns which include, but are not limited to, breeding, feeding or sheltering." The term "harass" does not include habitat modification, which is instead dealt with by the term "harm." Must meet two elements to establish harassment: (1) likelihood of injury to wildlife, and (2) some degree of fault, either an intent to harass or negligence. 50 C.F.R. 17.3.



170

Subject: Re: Correction- [Fwd: Re: [Fwd: Turtles, people, and seaweed at Laniakea]]
Date: Tue, 11 Jan 2005 12:31:41 -1000
From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
To: George Balazs <George.Balazs@noaa.gov>
CC: Jeffrey Pollack <Jeffrey.Pollack@noaa.gov>, Judith Fogarty <Judith.Fogarty@noaa.gov>, John Reghi <John.Reghi@noaa.gov>, Marc Cline <Marc.Cline@noaa.gov>, Paul Newman <Paul.Newman@noaa.gov>, Paul Ortiz <Paul.Ortiz@noaa.gov>, Tom Friel <Tom.Friel@noaa.gov>

Small but important Correction- the sentence at the end should of course have said "I have *NO* professional expertise (with seals, whales)..

On Tue, 11 Jan 2005, George Balazs wrote:

> *Jeff, please see the message I just sent I think this will help to*
> *answer your questions, or at least provide you in writing with the views*
> *and facts I spent nearly two hours talking to you about in your office*
> *(at your invitation) several weeks ago. If no harm or harassment is*
> *normally taking place at Laniakea, I can not imagine an enforcement*
> *concern if similar (equal) sort of interactions are happening elsewhere.*
> *The fact is that such interactions (viewing/swimming with/standing in*
> *the water with/and laying on the beach next to/feeding natural seaweed*
> *to/and gently touching turtles) are happening all over, and have for*
> *some years. And my opinion is that 99.9% of the time they are not "bad"*
> *interactions (=harm or harassment). People being "close" to a turtle by*
> *no means implies harm or harassment. Again, please see what I've said in*
> *my other message.*
>
> *As far as "domesticating" a wild species, I think that's a non-issue. It*
> *took the about 5000 years I recall for humans to domesticate cattle and*
> *the common cat and dog. Sea turtles in Hawaii, even the ones at*
> *Laniakea, are as wild as wild can be, when the chips are down. And*
> *there's no reason to believe that will change.*
>
> *I won't comment on enforcement issues with monk seals, or whales, or*
> *others, because I have**NO**professional biological expertise in*
those
> *arenas. But I do think that the public is wise enough to know the*
> *difference between species- seals, whales, turtles etc.- just as we all*
> *know that speed limits (and other laws) differ by location and*
> *circumstance (55 mph on the H-1, 35 mph on Kalani Hwy).*
>
> *I'm sure I've supplied all the views I can on these issues. Thanks for*
> *listening and thanks for all the useful discussions, I think that NOAA*
> *has been well-served by this open and frank conservation. All the Best,*
> *Aloha, George*
>

171

Re: [Fwd: Re: [Fwd: Turtles, people, and seaweed at Laniakea]]

Xerox for Hawaiian Book

Subject: Re: [Fwd: Re: [Fwd: Turtles, people, and seaweed at Laniakea]]
Date: Wed, 05 Jan 2005 08:25:44 -1000
From: "Jeffrey Pollack" <Jeffrey.Pollack@noaa.gov>
To: George Balazs <George.Balazs@noaa.gov>
CC: Judith Fogarty <Judith.Fogarty@noaa.gov>, John Reghi <John.Reghi@noaa.gov>, Marc Cline <Marc.Cline@noaa.gov>, Paul Newman <Paul.Newman@noaa.gov>, Paul Ortiz <Paul.Ortiz@noaa.gov>

ANSWER P.170

Hello George, Thank you for your input.

I would like to know your opinion to the matter I raised in the second paragraph of my previous e-mail. Specifically, by permitting the public to feed the Green Sea Turtles at Laniakea Beach, could that create a 'problem' with the way people interact with 'wild' sea turtles on other parts of Oahu, as well as on the other Hawaiian islands. Might people think that it is ok to touch and feed turtles in these other places, because they can do it at Laniakea Beach? If people did start to feed and touch the turtles at other areas on Oahu and the other islands, could that have the effect of domesticating a wild species?

5-7000 years dog cow

Further, one thing to consider, is that people may take such a bad learned behavior, that it is ok to get close with, touch, and feed wild animals, and they might then extend this behavior to other wild marine mammals here in Hawaii, such as the Monk Seals. Food for thought.

Thank you for expressing your expert opinion to these questions.

Jeff

Wish it would spread throughout the state
Seal problem — public smart enough to know the difference
Complex world - one size doesn't fit all

hypothetical — highly speculative — even if real problem with protected species & human harassment

Date: Tue, 11 Jan 2005 11:58:51 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: Paul Ortiz <paul.ortiz@noaa.gov>
Cc: Marc Cline <Marc.Cline@noaa.gov>, Judith Fogarty <Judith.Fogarty@noaa.gov>, Tom Friel <tom.friel@noaa.gov>, Keith Swindle FWSEnforcement <keith_swindle@fws.gov>, John Reghi <john.reghi@noaa.gov>, PaulNewman <Paul.Newman@noaa.gov>, Jeffrey Pollack <jeffrey.pollack@noaa.gov>
Subject: Hawaii Magazine cover photo July/Aug 2003 (fwd)

Paul and other colleagues- See attached. Sea turtles are 'hot stuff' these days in the Hawaiian Islands, very popular very loved and most definitely a valued part of the quality tourist experience shared equally if not more so by local residents of all backgrounds. And of course deeply ingrained into the culture of the Hawaiian# people.

My view is that if turtles are not being harmed or harassed, the public should be able to enjoy them and educationally benefit from them. After all, it was the public's tax dollars that made it possible for turtle numbers to recover to the extent that has happily happened to date. "Interactions" of people and turtles occur ALL over Hawaii for many years now, involving hundreds of people on a daily (hourly) basis. In 99.99% of these cases it's my view/opinion that no harm or harassment is happening. This is a fact of life, but maybe less known to folks who have only recently come to Hawaii. If enforcement officers of NOAA, FWS or the State witness or have factual tips of actual harassment or harm happening to a turtle, then a thorough investigations needs to be undertaken, and citations issued or arrests made, if so warranted. Otherwise, I think that the law-abiding public of Hawaii should be left to live their lives. I hope this sounds reasonable. Thanks, George

172

Subject: Re: [Fwd: Re: [Fwd: Turtles, people, and seaweed at Laniakea]]
Date: Wed, 05 Jan 2005 10:21:22 -0800
From: "Paul Ortiz" <Paul.Ortiz@noaa.gov>
To: George Balazs <George.Balazs@noaa.gov>
CC: Jeffrey Pollack <Jeffrey.Pollack@noaa.gov>, Paul Newman <Paul.Newman@noaa.gov>, John Reghi <John.Reghi@noaa.gov>, Marc Cline <Marc.Cline@noaa.gov>, gbalazs@honlab.nmfs.hawaii.edu

Well, such questions are never so easy for we lawyers to answer. The question is whether such an action constitutes harassment - and there are no clear answers to that. GCEL's best judgement is that we probably would not be able to prove that it does. Now, that doesn't mean it is a legal act, it just means that we can't prove that it is illegal. Of course, the outcome (no enforcement action) is the same.

George Balazs wrote:

> *Thanks for you inputs. Note that in some ways the signs I have there now*
> *(Do not touch the turtles) are causing more of a problem than being*
> *useful to the salient social issues (note I've said "issues" and steered*
> *clear of the word 'problems.' Paul, just to provide some short*
> *background- Laniakea has been a very popular place for beach goers and*
> *surfers for many many years. But only in recent times (the past 3 years)*
> *have the turtles started coming there in numbers-- to haul out and sleep*
> *on the beach and feed openly in the daytime amongst and with the people.*
> *They show no fear, they do no harm, and the people seeing them are*
> *absolutely thrilled and substantially positively affected, the*
> *overwhelming majority, in favor of turtle conservation and wildlife*
> *conservation in general. I have documented this on numerous occassions.*
> *The "feeding" of seaweed taking place that I described is like no other*
> *situation that I'm aware of. As previously stated, the seaweed is*
> *there, the turtles come to feed on it, and people obtain the seaweed*
> *from the water (or in the shallows on the rocks) and give it to them*
> *(give it back to them).*
>
> *Before any plans are designed to address issues,- like more signs- I*
> *think it would be first and foremost informative (indeed essential) to*
> *know the legality of the situation. A 'best judgement' rather than a*
> *guess. One wildlife law enforcement person I spoke to (a non-NOAA*
> *person) felt that it was highly unlikely that violations are occurring*
> *because there seemed to be no "take" involved, as set forth for the ESA*
> *definition of take. As I've expressed to Jeff and Paul Newman, the*
> *circumstances at Laniakea have considerable potential for backfiring and*
> *embarassing the agency state-wide and nation-wide if pursued*
> *(enforcement-wise) if handled wrong. This is no small consideration.*
> *Both for the agency and for all of us professionally (and me personally*
> *as a 38 years resident of Hawaii). So the question is - Is it a*
> *violation to give turtles the seaweed they are eating naturally anyway*
> *at this or any other location? If it is clearly not, then for the*
> *agency (or anyone else) to tell people it's illegal, or imply it is via*
> *signage or spoken word, would be very risky and maybe even wreckless.*
>
> *By the way, this sort of issue (an abundance of relatively tame turtles*
> *in Hawaii that everone can see nearly every day of the year resulting*
> *from two decades of ESA protection) is just the sort of 'issue' that I*
> *dreamed *would* happen when starting my research back in the early*
> *1970's. But I never really thought it would come true. Aloha, George*

from p.174

173

> -------- Original Message --------
> Subject: Re: [Fwd: Turtles, people, and seaweed at Laniakea]
> Date: Mon, 27 Dec 2004 14:57:33 -0800
> From: Paul Ortiz <Paul.Ortiz@noaa.gov>
> To: Jeffrey Pollack <Jeffrey.Pollack@noaa.gov>
> CC: John Reghi <John.Reghi@noaa.gov>,Marc Cline
> <Marc.Cline@noaa.gov>,Paul Newman <Paul.Newman@noaa.gov>,George Balazs
> <George.Balazs@noaa.gov>
> References: <41D04CC2.BD6C241@noaa.gov>
>
> We'll, we don't let people feed fish to dolphins, so my guess is that we
> could probably argue that it is ESA harassment, but I'm not sure we'd
> get
> much support in the courts - particularly if we don't think it is
> causing
> too much of a problem healthwise for the turtles. Now, that being said,
> we
> definitely don't want to have tourists think it is an ok thing to
> interact
> with endangered/threatened species, so perhaps we should add a "no feed"
> message to our educational efforts with snorkel companies and tourists.

Jeffrey Pollack wrote:
>
> Hello George, As you can see from Paul's message, he is advising that we

e: [Fwd: Turtles, people, and seaweed at Laniakea]]

> do not want people to think that it is ok to interact with the turtles.
> Thus, I was wondering if any of the signs on Laniakea beach advise
> people not to feed the turtles. If they do not, what do you think about
> placing some signs that advise people not to feed the turtles?
>
> One problem I see in letting people feed the turtles on that specific
> beach is that the people may then think that it is ok to feed sea
> turtles on other parts of Oahu, and even other islands. Further, these
> people may then think that it is ok to feed other wild creatures, such
> as Monk Seals. What are your thoughts on this?
>
> Thanks, Jeff

174

Date: Sun, 26 Dec 2004 13:00:27 -1000
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
To: SA Judith Fogarty <Judith.Fogarty@noaa.gov>,
SA Jeffrey Pollack <jeffrey.pollack@noaa.gov>,
SA Paul Newman <Paul.Newman@noaa.gov>
Subject: Turtles, people, and seaweed at Laniakea

Judy, Jeff and Paul-- A short message of inquiry about the practice of people picking seaweed off the rocks, or scoop netting it floating in the water, and feeding it back to the turtles at Laniakea (and other places). This has been commonly happening, to my knowledge, for at least 4 years now at Laniakea. Since the food being eaten is what occurs there naturally eaten by the turtles, I have been very cautious in saying to anyone that the practice is illegal, or legal. In fact I have very intentionally maintained a position of neutrality whenever at Laniakea talking to beach-goers and conducting my research there. I will continue this position/policy. I do know from speaking with State Docare officers, and with the FWS- and I believe with your office LE- that no citations, nor warning, have ever been issued for "feeding" of naturally occurring seaweed. Also, to the best of my opinion, based on our on-going work at Laniakea, I have been unable to detect a deleterious biological effect on the turtles from this practice.

To the best of your knowledge, does the above stated practice constitute a citable violation of any law federal law or rule relating to the protection of sea turtles? I am very often asked this question. My standard answer is "I just don't know." Sometimes (but not often) I refer people to your office phone, to FWS, and to Docare. Hence, my knowing the answer to the above question will be very helpful to me.

Many thanks, I look forward to hearing from you by email or phone if you wish 286-2899. Happy New Year 2005, George

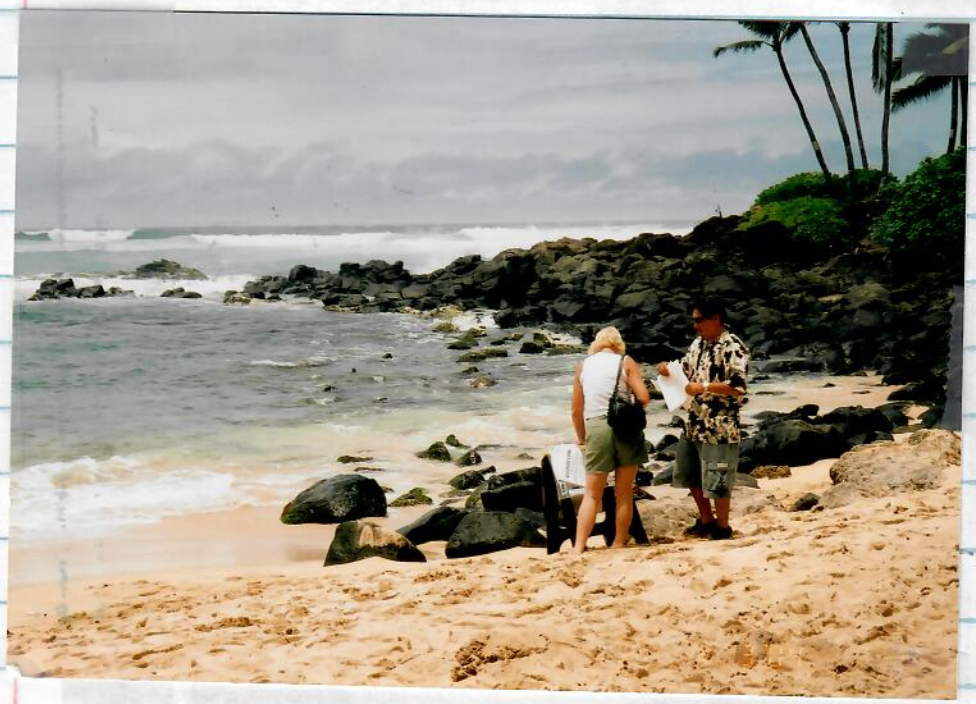
>
> *Jeffrey Pollack wrote:*
>
> > *Hello Paul, I received this e-mail from George Balazs, and he wishes to*
> > *know if people feeding sea turtles seaweed on the north shore of Oahu is*
> > *a citable offense. Could you let me know what you think of this issue.*
> > *Is there any case law that has addressed this issue, or the issue of*
> > *people feeding any wild marine mammals, and if that activity constitutes*
> > *harassment. Thanks Paul, Jeff*
> >

TO page 173

Never asked before?

ISN'T IT CURIOUS THAT I HAD TO ASK THE QUESTION TO ENFORCEMENT BEFORE THEY THEMSELVES WOULD ASK GC?

BACK ON LAND — FWS?
VS IN THE WATER — NMFS



Feeding leads to death of nene

10/9/04

HSB A3

The endangered bird associates cars with food, a biologist says

By Gary T. Kubota
gkubota@starbulletin.com

WAILUKU >> The feeding of an endangered nene, or Hawaiian goose, has led to its death along a road in Haleakala National Park on Maui, park officials said yesterday.

Wildlife biologist Cathleen Natividad Bailey said that early last Saturday, park employees discovered the body of an adult nene apparently hit by a vehicle on a road below the parking lot to the Leleiwi overlook.

She said the bird, born wild and already paired with a mate, did not have any identifying bands.

Bailey said biologists received reports of two nene on the road in the area for the last couple of weeks and that food leftovers such as pieces of muffin, bread and chips had attracted the birds.

She said nene that are fed often by motorists associate food with cars and approach moving vehicles in search of food.

"Feeding kills," Bailey said. "People were seen feeding it, and Haleakala employees told them to stop feeding them and they kept on feeding them."

Bailey said despite numerous efforts by biologist to remove the birds from the road, the nene repeatedly returned to the slow-vehicle pullout, just below the Leleiwi parking lot.

There are about 200 nene in the park. The nene is the state bird of Hawaii and is a federally listed endangered species.

Bailey said the nene mate for life, and the death of this nene means that its mate will have to conduct the difficult search for another mate.

October through March is nesting season and a critical time for nene.

Biologists and rangers are asking park visitors to be aware of nene on the road, drive carefully and not feed any wildlife in the park, especially nene.

A female nene named "IV" was killed by a motorist in January 2002.

The sex of the bird found last Saturday has not yet been determined.

(177)

10-204
from Nancy
"Volunteer
Handing papers
out at Hawaii"

Marine Turtle Research Priorities (within Balazs' program component):

1. Fishery by-catch reduction and/or mitigation through increased knowledge of the pelagic ecology and movements of turtles in oceanic habitats (Very substantial and highly successful collaboration with Jeff Polovina).

2. Basic investigations of the biology, life history, and ecology in benthic habitats and on nesting beaches.

3. Monitoring of population trends at nesting beaches and in foraging areas.

4. Simulation modeling of long term datasets to determine population dynamics for stock assessment (substantially with Milani).

5. Health assessments with focus on fibropapilloma disease complex to determine causes, containment measures, impacts to individuals and populations (Substantially with Thierry Work and many others).

6. Conduction of a sea turtle stranding and salvage network for research, rescue, rehabilitation, and return to the wild.

7. Training of agency observers in the collection of sea turtle data as part of their duties aboard commercial long line fishing vessels.

8. Research training, capacity building, and data/information exchange for Pacific island and Pacific Rim personnel.

9. "Remote Viewing" for research and monitoring using digital imaging cameras and other experimental instrumentation.

10. Educational outreach focused on the research we undertake and results obtained.

11. Publish our findings.

(179)

9/04
Bird feeders

The National Audubon Society has been scrambling for some good press since the news of the beheading and shooting of peafowl by staff members of the Waimea Valley Audubon Center in July. Even the Hawai'i Audubon Society has distanced itself from the national in a press release on its website. It is unfortunate that your story on the facility glossed over the premeditated callous cruelty to animals.

We call on the Hawaiian Humane Society and the Prosecuting Attorney to bring the perpetrators to court for cruelty to animals.

For those who have considered the Audubon Society to be an organization that values and loves birds, the grisly murders of peafowl was a shock. Yes, the Audubon Society loves *some* birds, but limits its concern to native species. And yet, Audubon exploits the birds it so callously despises—bird seed is sold throughout the Waimea Audubon Park and visitors are encouraged to feed the birds; feeding wild birds is unnecessary and causes them to rely on handouts from people.

More problematic is Audubon's support of federal bills S2547 and HR4114, which would, if passed, delist 94 species of birds (including over 40 species who live in Hawai'i) from protection of the Migratory Bird Treaty Act. How ironic that the last paragraph of your article describes seeing a young shama thrush. If Audubon has its way, shama thrushes and all the other non-native migratory birds will meet a fate similar to that of the peafowl.

Cathy Goeggel
President
Animal Rights Hawai'i
Honolulu

John Wythe White responds: Regarding the bird feeders, as one of the letter-writers noted, this is a practice that has been going on for many years in Waimea Valley. The Audubon Society did not instigate it, but inherited it. The staff is fully aware that it is a bad idea to make birds dependent on humans for survival, but that doesn't make it a good idea to suddenly starve them by removing the feeders. The plan, according to center director Diana King, is to wean the birds by stages, beginning with the removal of the four feeders closest to the visitor center by late December. After this step, it will still be necessary to feed the birds by hand for a time, with the staff gradually integrating more natural kinds of food into the feed. Eventually, they will be able to survive without human assistance.

Department of Corrections

• The Best of Honolulu issue (Aug. 11) listed an incorrect telephone number for the law firm of Frank T. Lockwood. The correct number is 263-6900.

WRITE TO: *Letters to the Editor,* Honolulu Weekly, *1200 College Walk, Suite 214, Honolulu, HI, 96817. Fax to 528-3144 or e-mail to editorial@honoluluweekly.com. Letter writers must print and sign their name, and include a phone contact.*

Hi George,

Here are the pictures of that injured turtle that we helped at Laniakeas on July 27th. The water was so murky. I am not sure how much you will be able to tell from the pictures. The flipper closest to you is the injured one. You can see how the fishing line had cut into it. I think you can also see the cut that was forming on her neck in one of the pictures. As I said I observed that the injured flipper was paler then the rest & that she had limited to no use of it. It just kind of hung there. Also the bottom of her carapace was caved in.

I keep referring to her as a she because she had a short tail, which I was told indicates that she is a she.

We hope that this is at least some help.

Mahalo for all your work.

Reece

Reece Olayvar

2137 Auhuhu Street
Pearl City, Hawaii 96782
Ph# 456-3049

PS: I saw in a recent news letter that you have been working with students from my alma mater (Hawaii Prep) I think that is just awesome.

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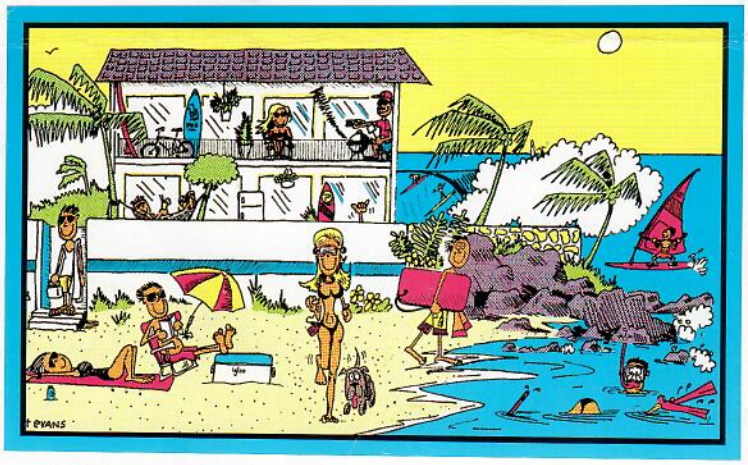

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http://backpackers-hawaii.com

183

Date: Wed, 30 Jun 2004 11:57:23 -1000
From: Cody Hooven <Cody.Hooven@noaa.gov>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: "Kekoa Native Hawaiian Tours"

[Part 1, Text/PLAIN 52 lines.]
[Unable to print this part.]

Oops- contact name: Alex Atienza

-------- Original Message --------
Subject: Re: "Kekoa Native Hawaiian Tours"
Date: Wed, 30 Jun 2004 11:54:30 -1000
From: Cody Hooven <Cody.Hooven@noaa.gov>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
References:
<Pine.SGI.4.33.0406281652060.176079-100000@honlab.nmfs.hawaii.edu>

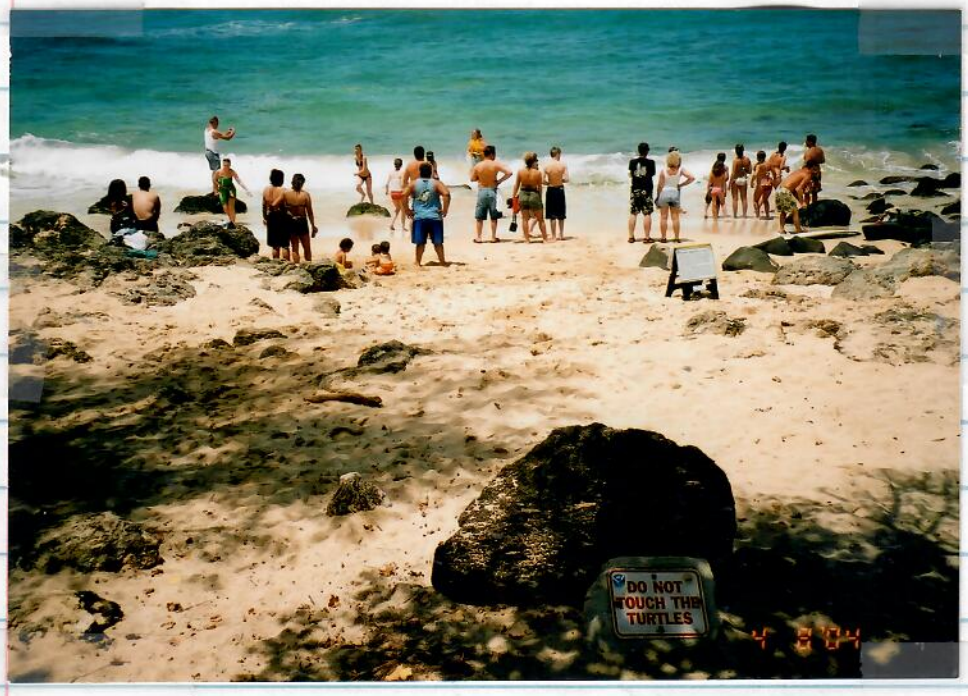
Alex

3422 Waialae Ave, Apt. 203
Honolulu 96816
808-630-8205 (number on internet is wrong)

website: www.kekoahawaiiantours.com, click on Tours at the bottom
turtles are mentioned on the "Complete Circle Island Tour" description:
" ● View turtles on the North Shore basking on the beach"

George H. Balazs wrote:

Need a mailing address please-- find on a web site instead of phoning?



L12 FFS

Date: Mon, 10 May 2004 08:19:36 -1000
From: French Frigate Shoals <ffs2570@wcclp.com>
To: George Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: L12 sighting May 5

[The following text is in the "iso-8859-1" character set.]
[Your display is set for the "US-ASCII" character set.]
[Some characters may be displayed incorrectly.]

Hi George, just wanted to let you know that we saw L12 again, here's the details:

L12 sighted on Litte Gin, May 5 at 1358.

There were at least 40 turtles on the island that day.

Cheer, suzanne

L7 sighting off TRIG

Date: Tue, 4 May 2004 19:32:42 -1000
From: French Frigate Shoals <ffs2570@wcclp.com>
To: George Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: L7 sighting April 21

[The following text is in the "iso-8859-1" character set.]
[Your display is set for the "US-ASCII" character set.]
[Some characters may be displayed incorrectly.]

Hi George, Suzanne here, I just wanted to get back to you with your question regarding the L7 sighting.

Seen: April 21, Trig island off south side, was just starting to enter water when I saw him at approximately 1340. TDR looked in good condition as did turtle.

We haven't seen him since, but are looking. Also wanted to let you know we saw 103 turtles on beach at Whaleskate April 30 and got photos for you. Aaron is going to put together a photo disk for you that we've taken at several of the islands.

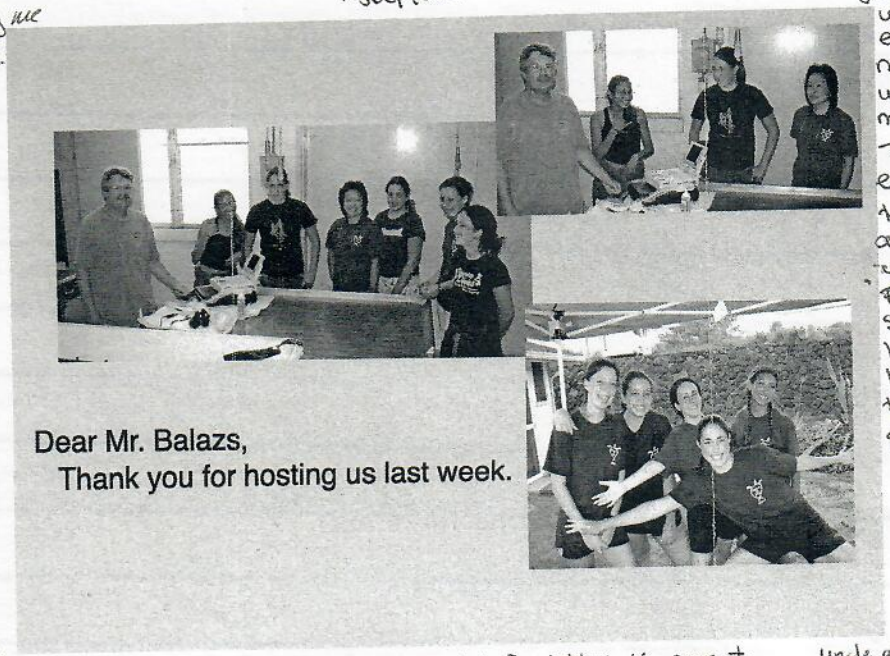
Assume you heard from Jenn today regarding your turtle cam, if not she will be writing you. Aaron and I will work with them to set it up. We will let you know how it goes.

Cheers, suz

Mr. Balazs~
Hello. I didn't go on this trip and I was really bummed about that, but the first trip was awesome. Thank You for inviting me on this trip though.
Kaelyn Unger

Mr. [illegible]
Thank you so much for such a great time in Oahu. It was so much fun even though I was sick! It was great to see you Saturday too. I hope to see you soon! Take care and best wishes;
~Sky Fever

Mr. George,
It was a joy to see you, as always (TOO BAD I Didn't get to see sun... now, just kidding!) Thank you so much for working with us. I enjoy your job so much! I hope you won't miss me too much next year! Thank you for educating and giving the students at HPA an opportunity to work with turtles. From what I've seen, I know it has influenced my life, and undoubtably the lives of many other students.
* Jocelin J. Jennings *



Hey Mr. George
Thanks for working with us and tolerating all of our crazyness. I learned alot and can't wait to take another trip. See you next year.
Alina Catellacci

Thanks a lot for letting us come to help you on Oahu. It was a blast. I hope that we weren't too much of a hassle. I can't wait to see you next school year (or earlier if possible) for more turtle adventures!
Ashley Sutton

Uncle George, thank you for working with us. It was great! See you next year (I hope)
Kulia Waddell

Monk Seal Etiquette for Safe Seal Encounters

By UH Sea Grant Associate Director Mary J. Donohue

With increasing numbers of critically endangered Hawaiian monk seals in the Main Hawaiian Islands, the chance of encountering a seal has increased. The following information may assist you in safely behaving around a seal should you encounter one. Seals can be viewed safely from a distance and, unless conditioned by people, will not normally approach humans.

Photo courtesy NOAA Fisheries

Regardless of how cute and cuddly they may appear, seals are wild carnivores. The teeth and skull of a monk seal are similar to that of a very large dog. Like dogs, they may bite if they feel threatened; for example if an onlooker approaches too close and startles a sleeping seal or approaches a mother seal and her pup. Failure to remain at least 150 feet from these animals can result in injury to the human and worse for the seal. Seals identified as problem animals may be moved, removed from the wild or destroyed.

Do not feed monk seals! Training seals to accept fish or other material from people essentially creates problem animals. In particular, feeding seals may teach seals to approach or climb on small vessels or docks putting people, property and the seals at risk.

Juvenile male mammals often practice behaviors that will become critical in later life when they compete with other males for females and begin mating. Mounting younger or smaller animals of the same or a different species is normal seal behavior. During mounting, male seals often hold the mounted animal using a bite to the neck. However, should a young seal mount or clasp a human swimmer, the swimmer faces a real risk of drowning or injury. Do not engage in any physical behavior in the water with a wild monk seal such as scratching or holding on to the seal. Such behavior teaches the animal that humans are appropriate playthings and contributes to the creation of problem animals. If a seal attempts to interact with you in the water, move away or get out of the water until the seal loses interest, for your sake and that of the seal.

Hawaiian monk seals are also threatened by diseases that may be transmitted by domestic animals. Please keep dogs away from seals on the beach to avoid disease transmission and prevent dog attacks on seals.

Our behavior toward monk seals will determine the extent to which they will be permitted to coexist with us in the Main Hawaiian Islands. Practicing the guidelines above will contribute to the conservation of the Hawaiian monk seal and prevent you from violating state and federal laws. Given that the Main Hawaiian Islands may be key habitat for preserving this ancient species, our behavior will directly affect the survival of the Hawaiian monk seal.

Date: Fri, 30 Apr 2004 09:01:06 -1000
From: French Frigate Shoals <ffs2570@wcclp.com>
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: from aaron

L12 Sighting FFS

[The following text is in the "iso-8859-1" character set.]
[Your display is set for the "US-ASCII" character set.]
[Some characters may be displayed incorrectly.]

Hey George,
- Saw turtle L12 on Little Gin on the 28th. Got a couple digital pics.
- Found another tidbit datalogger, didn't get an answer from you about sending them back so I'll just give them to F&W to deal with.

Aaron

L Honulani Books

THE ONE SHE CARRIED TO FFS

Date: Fri, 7 May 2004 08:38:10 -1000
From: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Cc: George Balazs <itsahonuworldinhawaii@hotmail.com>
Subject: TDR serial # for Tern

L4's = 0390879
New = 0490052

MK9s Sent TO TERN

****

187

Date: Wed, 21 Apr 2004 15:05:46 EDT
From: Hinwr@aol.com
To: gbalazs@honlab.nmfs.hawaii.edu
Cc: Dominique_horvath@rl.fws.gov
Subject: L4 TDR removed

L4 TDR Recovery TERN IS. 4-19-04

Hi George,

TERN IS. FFS

We found L4 on Crab Beach on Monday, April 19th and removed the TDR. We did not even have to restrain the turtle. We simply crept up as she was basking and gently unscrewed the top, popped out the recorder and replaced the lid and screws. She barely opened her eyes.
No sign of the other two males yet.
We did get to visit the Gins and East on April 18th (first time in a long time). SO many turtles, but no sign of those with recorders.
Also, we had the first turtle pits found on April 17th here on Tern, then several were located while on Gins and East on the 18th - so nesting has begun!

I will send back the recorder and a CD of associated pictures of the removal on the April 22nd flight.

Jennifer

Reduce

Date: Tue, 27 Apr 2004 20:47:48 -1000
From: Marc Rice <mrice@hpa.edu>
To: George Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: MK9

[The following text is in the "ISO-8859-1" character set.]
[Your display is set for the "US-ASCII" character set.]
[Some characters may be displayed incorrectly.]

MK9
According to the manual, it won't be blinking at all. See below. I am waiting with great anticipation and "fear" for the tag to arrive. I will be very disappointed if there is no data!

When the tag is first deployed, it emits a short blink whenever it wakes up to see what samples are necessary. The blink corresponds to the |Wake up every XXX seconds/minutes display in Mk9Host. This blinking will automatically stop after 1-2 hours (Version 1.07), or if the pressure transducer is depressed (all previous versions). This follows the Tag Deployed/Redeployed series.

I have reservations at the molokai hotel. They have rooms for $70 but they don't face on the garden. You have one on the garden.. You can have the cheaper on if you want, but I suspect you would rather have a garden view.

On 4/27/04 10:57 AM, "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> wrote:

>
> How often should it blink? Easy to see in darkened room? I left you a
> voice mail.
>

BRINGS PEOPLE TO HONOLANI

ALEKAI HAWAIIAN SALES

Surf Lessons
Golf Lessons

email sent 5/30/04 but bounced

Doug Deal .COM
E-mail ~~kalejal@aol.com~~
@HAWAII.RR.COM

808-293-1315 P/F
351-5392

Date: Sat, 27 Mar 2004 17:59:
From: Hinwr@aol.com
To: gbalazs@honlab.nmfs.hawai
Subject: French Frigate Shoal

Tern Island
28 February, 2004: Three turt
the barracks. The turtles wer
15 March, 2004: 3-4 turtles s
crab beach in afternoon. Turt
beach.
15-27 March, 2004: Turtles (3-
basis on south, east, crab an
frequently 2-5, seen swimming
larger
turtles comprised the majorit
arriving.

East Island
23 March, 2004: 35 turtles se
survey. Additional turtles al

(189)

Date: Sat, 27 Mar 2004 17:04:21 EST
From: Jokaloke@aol.com
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Saturday on the North Shore

Saturday 3/27/04
Honulani Reduce

[Part 1, Text/PLAIN 17 lines.]
[Unable to print this part.]

Hi George,

It's a beautiful spring day out here. .no honu basking yet, however 3 or so being handfed just offshore, and I imagine a few will haul out this afternoon. It's approachng the time of year that the record number I've ever seen (basking) occurred, last Easter Sunday, April 20, when 7 lazed at Honulani that afternoon.

Thank you for sharing the fabulous Juvenile Japanese Loggerhead data with me! It's so fascinating to watch the recurring patterns of these open ocean keiki o' honu. Let me know when Kamei turns West and Chui (pretty far south?) turns North. Being a non-scientist, but captive observer, I'm wondering where the names came from.... Children's names of the Kitagami crew ? Japanese Power Rangers?

I'll check my Oceanic Cable statements and payments this weekend and give you an update tomorow.

See you out at Honulani!
Aloha nui,
Joanne

EST

tle Activity Brief

een swimming together on the south side of
seen on land.
n south beach at sunrise. Turtle seen on
lso seen basking on the east end of south

a given time) seen basking on a regular
ll beaches. While snorkeling, turtles,
g the north side of the island. At first,

sightings. Now smaller individuals are

sking on East Island during outer island
en swimming around the island.

March 15/04

Marine Turtle Research
c/o George Balazs

I am from Canada & recently we were at a beach near Hale'iwa, vacationing & observing the turtles that come to shore.

We met one of your workers there - George Balazs who was extremely pleasant & very informative. It was dusk & he stayed - answering everyone's questions. Also, he took pictures of us with his camera & sent the pictures to us (we didn't have our cameras along) - which we appreciate very much.

It was great to meet a government worker who was so friendly & willing to help - not worrying about the time.

This is the type of worker that is very beneficial for Tourism of Hawaii. I wish our elected officials in Canada & U.S. were as ~~caring~~ caring for the general public as George Balazs was - maybe then we would have more Trust for our politicians. Thank you very much

Roger Holdner
Box 422
Christopher Lake, Sask.
Canada. S0J 0N0

Aloha George →
It's feedback like this that makes me proud to be your supervisor and a fed. employee — Michael

FWS "Harass" "Harm" (191)

Date: Mon, 23 Feb 2004 08:07:48 -1000
From: Keith_Swindle@r1.fws.gov
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: Harassment

George,

Thanks so much for the news article and journal article. As a biologist turned "cop", I like to understand the biological factors and life histories of the species that I am entrusted to conserve. Prior to coming to Hawai`i my only direct experience with sea turtles was a wonderful evening on the coast of Georgia (Jekyll Island) with some baby Loggerheads. When I first visited the main islands of Hawai'i in about 1986, I saw no sea turtles. Upon my return a year and a half ago, I was thrilled to find so doggone many more than zero! Your articles pleasantly confirmed my observations.

I'm pleased to see your involvement with Hawksbills. I must admit I'm somewhat disappointed with my impression (though perhaps premature) of a lack of a cohesive and unified commitment and approach by the agencies (all of them) toward that species. It would be interesting to hear your thoughts--and hopefully, I'm mistaken.

The definition of take is in the ESA and is "The term "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct."

The USFWS has further defined the terms "harm" and "harass" in the ESA's definition of take through regulation as follows:

"Harass in the definition of "take" in the Act means an intentional or negligent act or omission which creates the likelihood of injury to wildlife by annoying it to such an extent as to significantly disrupt normal behavioral patterns which include, but are not limited to, breeding, feeding, or sheltering. This definition, when applied to captive wildlife, does not include generally accepted:

(1) Animal husbandry practices that meet or exceed the minimum standards for facilities and care under the Animal Welfare Act,
(2) Breeding procedures, or
(3) Provisions of veterinary care for confining, tranquilizing, or anesthetizing, when such practices, procedures, or provisions are not likely to result in injury to the wildlife.

"Harm in the definition of "take" in the Act means an act which actually kills or injures wildlife. Such act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

Incidental taking means any taking otherwise prohibited, if such taking is incidental to, and not the purpose of, the carrying out of an otherwise lawful activity."

I hope these definitions are helpful and I look forward to spending some time with you at our convenience. I am booked solid for the next 2 weeks, so perhaps we can connect after your leave. Thanks again and see you soon.

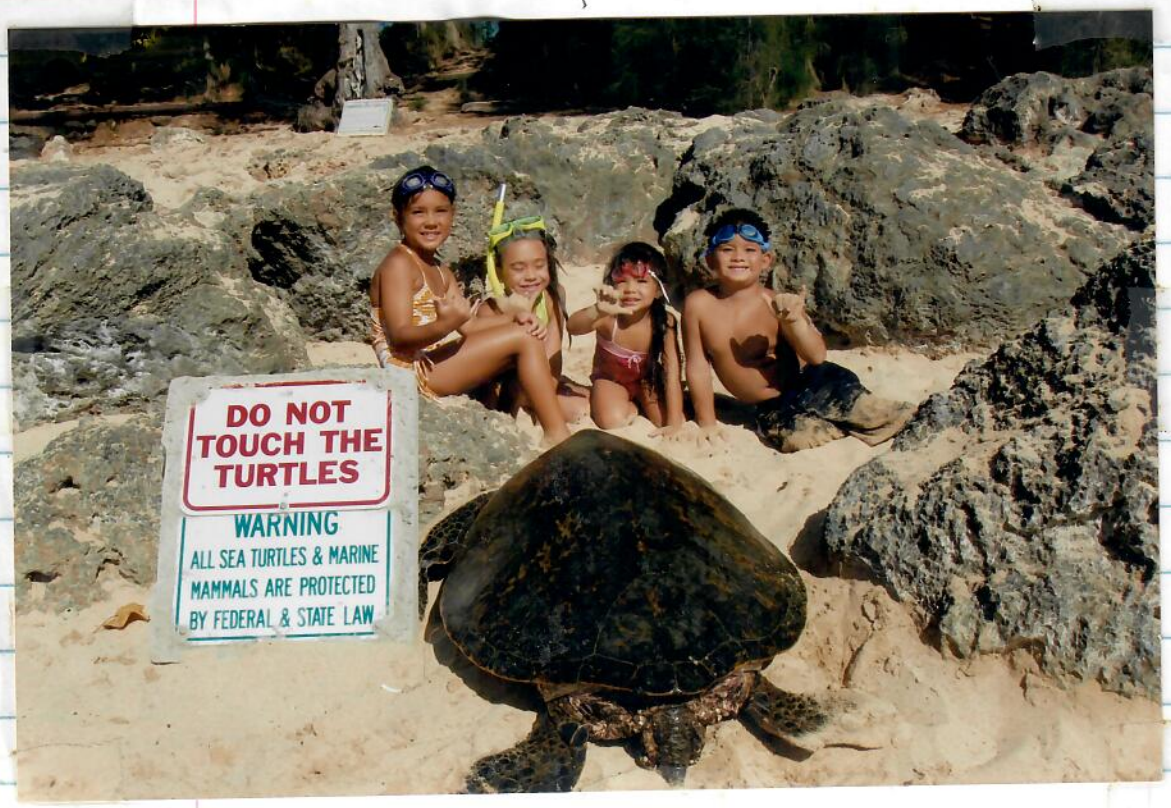
Keith

HARASS = "INJURY .. by ANNOYING to such an extent to significantly DISRUPT normal behavioral patterns which include .... feeding, breeding, shelter"

(192)

8/21/04 11 PM night Removed Rock at Point
Saturday w/ TIDBIT (still floating) #483455 (6-01) it out

8/31/04 Rock w/ TIDBIT white paint
6:15PM spots put back in the same place
Sloping Rock



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45-51 wide open

43

USEFUL INFORMATION

CONVERSION TABLE

METERS	YARDS	INCHES
1.000	1.093	39.37
.914	1.000	36.00

CENTIMETERS	INCHES	FEET
1.00	.394	.0328
2.54	1.000	1/12
30.48	12.000	1.000

KILOMETERS	MILES
1.000	.621
1.609	1.000

GRAMS	OUNCES	POUNDS
1.00	.035	.002
28.35	1.000	1/16
453.59	16.000	1.000
1,000.00	35.274	2.205

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

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

LENGTH

1 meter (m) = 100 cm	=	1,000 mm
1 milimeter (mm)	=	.001 m
1 centimeter (cm)	=	.01 m
1 decimeter (dm)	=	.1 m
1 decameter (dkm)	=	10 m
1 hectometer (hm)	=	100 m
1 kilometer (km)	=	1,000 m

CAPACITY

1 liter (l) = 100 cl	=	1,000 ml
1 mililiter (ml)	=	.001 l
1 centiliter (cl)	=	.01 l
1 deciliter (dl)	=	.1 l
1 decaliter (dkl)	=	10 l
1 hectoliter (hl)	=	100 l
1 kiloliter (kl)	=	1,000 l

WEIGHT

1 gram (g) = 100 cg	=	1,000 mg
1 miligram (mg)	=	.001 g
1 centigram (cg)	=	.01 g
1 decigram (dg)	=	.1 g
1 decagram (dkg)	=	10 g
1 hectogram (hg)	=	100 g
1 kilogram (kg)	=	1,000 g

Table of Time Measure

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

Table of Dry Measure

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

Table of Liquid Measure

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

Table of Paper Measure

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

Table of Linear Measure

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

Miscellaneous Measures

12 units	=1 dozen
12 doz.	=1 gross
12gr.	=1 great gross
20 units	=1 score
1 hand	=4 inches
1 fathom	=6 feet
1 knot	=6086 feet
3 knots	=1 league
1 bu. potatoes	=60 lbs.
1 barrel flour	=196 lbs.

1 cu. ft. of water =7.48 liquid gals. and weighs 62.425 lbs

Diameter of circle x 3.1416= circumference

Diameter of circle square x .7854 = area

Atmospheric pressure is 14.7 lbs. per sq. in. at sea level.

13-1/2 cu. ft. of air weighs 1 lb.

Table of the Cubic Measure

1728 cubic inches	=	1 cubic foot
27 cubic feet	=	1 cubic yard
128 cubic feet	=	1 cord of wood
24 3/4 cubic feet	=	1 perch of stone

NOTE : A cord of wood is a pile 8 feet long, 4 feet wide, and 4 feet high. A perch of stone or brick is 16 1/2 feet long. 1-1/2 feet wide, and 1 foot high.

Table of Avoirdupois Weight

16 drams	=	1 ounce (oz.)
16 ounces	=	1 pound (lb.)
100 pounds	=	1 hundred - weight(cwt.)
2000 pounds	=	1 ton (T.)
2240 pounds	=	1 long ton(L.T.)

Table of Troy Weight

24 grains (gr.)	=	1 penny-weight (dwt)
20 penny-weights	=	1 ounce (oz.)
12 ounces	=	1 pound (lb.)

Table of Circular Measure

60 seconds (")	=	1 minute (')
60 minutes	=	1 degree (°)
360 degrees	=	1 circumference

A degree of the earth's surface or a meridian= 69.16 miles at the equator.

Table of Apothecaries' Weight

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

Table of Surface Measures

144 sq. in	=	1 sq.ft
9 sq. ft.	=	1 sq. yd.
30 1/4 sq.yds.	=	1 sq.rod
160 sq. rods	=	1 acre
640 acres	=	1 sq. mile

An acre measures 208.71 ft. on each side.

A section of land is 1 sq. mile.

A quarter section is 160 acres.

A township is 36 sq. miles.

MULTIPLICATION TABLE

1	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

O = 2nd Lat Left = L3
1st Lat Left = L5
3rd Lat Left = L6

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