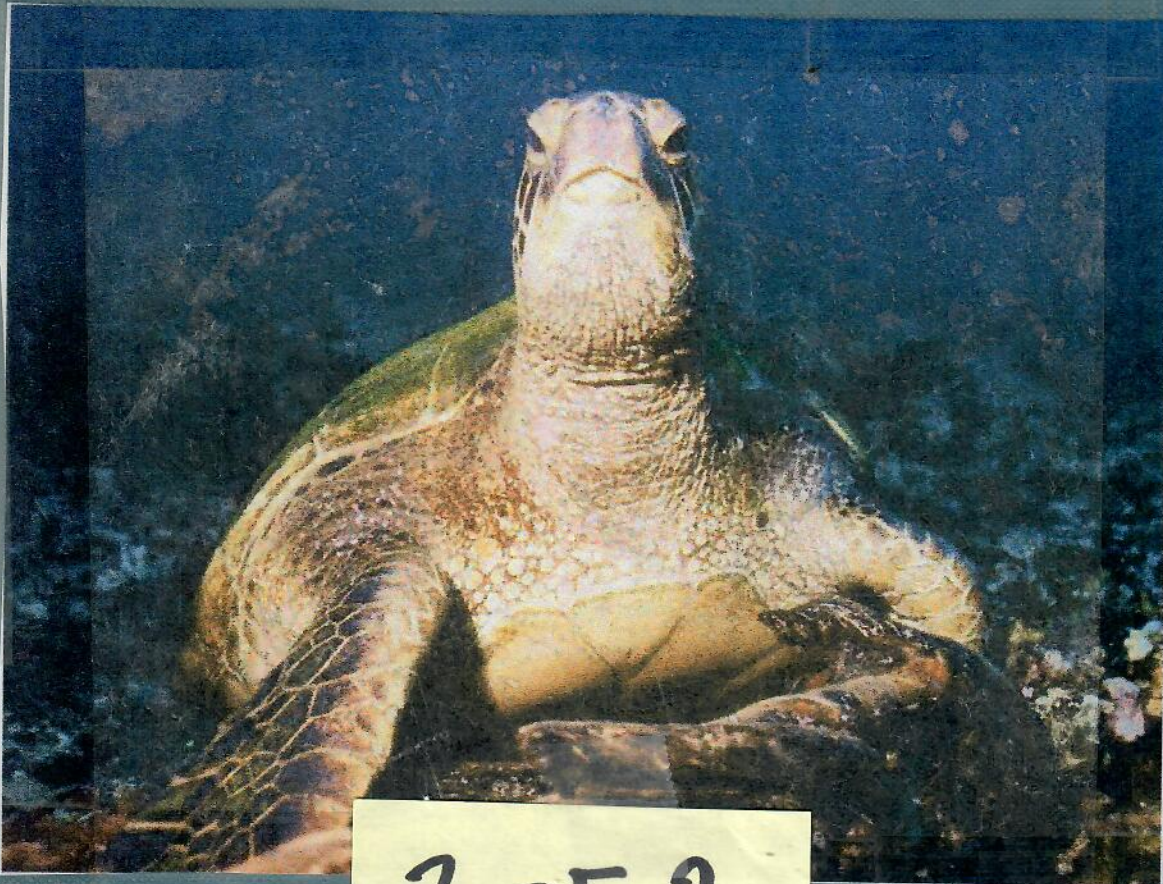


SCANNED

4 APRIL 01 KAPOHO I
10-12 JULY 01 KAPOHO II
12-18 MAY 02 KAPOHO III
SON, SET,

G. H. BALAZS KAPOHO IV

DEAN THOR EHC
ISA



2 OF 2

KAPOHO, PUNA

DERMEX E47
C62F
D3F

SCANNED

DATE FORM FILLED OUT 3/19/03

John and School class participated

CAPTURE DATE, LOCATION AND METHOD:

Motoool Dmp" Champagne Pond hand capture

PERSON RECORDING DATA:

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

TUMOR SCORE

0

ORAL TMRS EXT:

YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

423230347F

42334A1D57

NEW TAGS:

RFL

LFL

STRAIGHT CARAPACE - LENGTH:

48.2 cm

WIDTH:

37.5 cm

NOTCH LENGTH:

42.0 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

51.0 cm

WIDTH:

46.0 cm

HEAD WIDTH:

7.8 cm

AXIAL:

21.4 cm

LATERAL:

21.3 cm

PPS: YES OR NO OR NE

N

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

9 cm

C

6.5 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

8.7 cm

PLASTRON LENGTH:

39.9 cm

WEIGHT:

40 #

DESCRIPTIVE REMARKS:

R-75 mg/dl
g-57 mg/dl
Blood

from neck for glucose

Renew

DMP + 2nd Lat L&R

2nd Lat
left
DMP +
Renew +
new on
2nd Lat Right

DATE FORM FILLED OUT 3/19/03

Released Blind Inlet 1720 h

CAPTURE DATE, LOCATION AND METHOD:

Champagne Pond hand capture Chory pond

PERSON RECORDING DATA:

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

NEW TAGS:

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

NO

EMACIATION CODE

-

OLD TAGS:

None

LT

RFL

LFL

RH

44524E0272



4455162816



STRAIGHT CARAPACE - LENGTH:

66.5 cm

WIDTH: 51.4 cm

NOTCH LENGTH: 66.3 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

71.0 cm

WIDTH: 65.0 cm

HEAD WIDTH: 9.4 cm

AXIAL: 26.0 cm

LATERAL: 24.6 cm

PPS: YES OR NO OR NE N

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 11.5 cm

C 6.5 cm

RIGHT FRONT FLIPPER WIDTH:

10.5 cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 52.2 cm

~~blood~~
blood glucose from neck

WEIGHT: 84 #

RESY
B=51

DESCRIPTIVE REMARKS:

Motopod
"J"
and lateral
L & R

Alice Drew

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

turtle named at Peggy Forges

3/19/03

wednesday

SAM

capture ¹²⁶ private pond

PERSON RECORDING DATA:

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

hand capture

TUMOR SCORE

0

ORAL TMRS EXT.

YES OR NO

no

EMACIATION CODE

0

OLD TAGS:

N479

NEW TAGS:

RFL

LFL

STRAIGHT CARAPACE - LENGTH:

69.4 cm

WIDTH: 52.4 cm

NOTCH LENGTH:

69.4 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

73.0 cm

WIDTH: 61.0 cm

HEAD WIDTH:

10.7 cm

AXIAL: 29.0 cm

LATERAL: 28.9 cm

PPS: YES OR NO OR NE

Y

SEX: Male, Female or Undetermined

M

TAIL LENGTH: T

35.5 cm

C 25 cm

RIGHT FRONT FLIPPER WIDTH:

13.2 cm

SAMPLES COLLECTED:

PLASTRON LENGTH:

51.4 cm

Glucose
Rice
B-76

for Biochem
and Plasma
Banking

WEIGHT:

126 #

R-89

3 Tubes of blood

DESCRIPTIVE REMARKS: no tumors

* R4 Flipper, likely tag loss

R Eye posterior slight bulge

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD:

CHONG POND 3/19/03 *Champagneland KAPOLLO HAND*

PERSON RECORDING DATA:

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

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

Empty boxes for old tags

NEW TAGS

4452491C1B

RFL



LFL

44540F3A17



STRAIGHT CARAPACE - LENGTH:

47.2 cm

WIDTH:

36.7 cm

NOTCH LENGTH:

47.0 cm

DB:

L.O.

VB:

L.O.

CURVED CARAPACE LENGTH:

50.5 cm

WIDTH:

42.5 cm

HEAD WIDTH:

7.3 cm

AXIAL:

20.8 cm

LATERAL:

20.6 cm

PPS: YES OR NO OR NE

N

SEX: Male, Female
or Undetermined

♀

TAIL LENGTH: T

7.5 cm

C

5.0 cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

8.4 cm

PLASTRON LENGTH:

38.6 cm

WEIGHT:

3416g

DESCRIPTIVE REMARKS:

MOTO 100% 2nd lot L & R
GB = 76 glucose 76
MR = 57 89 76

Recent
Release
ID
Hawaii

Released
3/22/03 9:45am

DATE FORM FILLED OUT / /

CAPTURE DATE, LOCATION AND METHOD: **KAPOHO**

3/21/03 BLIND INLET 11PM

PERSON RECORDING DATA: **Louisa P.** **Hand snorkel**

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

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

EMACIATION CODE

0

OLD TAGS:

Empty boxes for old tags

NEW TAGS:

NEW TAGS: **4454244937**
4455244036

STRAIGHT CARAPACE - LENGTH: **59.1** cm WIDTH: **47.7** cm

NOTCH LENGTH: **58.9** cm DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: **63.5** cm WIDTH: **58.0** cm

HEAD WIDTH: **9.0** cm AXIAL: **24.1** cm LATERAL: **24.1** cm

PPS: YES OR NO OR NE **No** SEX: Male, Female or Undetermined **U**

TAIL LENGTH: T **13.0** cm C **9.5** cm

RIGHT FRONT FLIPPER WIDTH: **9.9** cm SAMPLES COLLECTED:

PLASTRON LENGTH: **46.8** cm

WEIGHT: **67 lbs #**

DESCRIPTIVE REMARKS: **Motor tool "M"**

R Jaw Hinge - suspicious Tissue

~~72~~ ~~get the~~ ~~thesis~~

Released
Blind inlet
3/22/03

DATE FORM FILLED OUT 3/22/03

CAPTURE DATE, LOCATION AND METHOD:

3/22/03 Kapoho Blind Inlet Hand
11 pm snorkel
PERSON RECORDING DATA: Louisa

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

TUMOR SCORE

0

ORAL TMRS EXT:

YES OR NO

~~0~~

EMACIATION CODE

0

OLD TAGS:

LH
RFL
RH
LFE

44141E174A

 4414127F2D

STRAIGHT CARAPACE - LENGTH:

55.2 cm

WIDTH: 42.1 cm

NOTCH LENGTH: 54.9 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

59.0 cm

WIDTH: 51.0 cm

HEAD WIDTH: 9.1 cm

AXIAL: 24.2 cm

LATERAL: 24.2 cm

PPS: YES OR NO OR NE Yes

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 12.5 cm

C 8.0 cm

RIGHT FRONT FLIPPER WIDTH:

9.9 cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 44.5 cm

Blood for
Biochem &
BANKING

WEIGHT: 55 lbs #

DESCRIPTIVE REMARKS:

Motor pool "N"

Glucose 101 GB
100 GB

END

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 3/22/03

Released
Blind inlet
3/22/03

CAPTURE DATE, LOCATION AND METHOD:

3/21/03	Kapoho Blind Inlet	Hand Snorkel
PERSON RECORDING DATA: Louise		

TUMOR SCORE <input type="checkbox"/> 1	OLD TAGS:	NEW TAGS:
ORAL TMRS EXT: YES OR NO <input type="checkbox"/> NO		LH RFL 44146C0921
EMACIATION CODE <input type="checkbox"/> 0		LFL [Barcode]
		RH [Barcode] 441474015C

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

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm 1 #1 glottis

WEIGHT: Glucose 87 GB, 86GB

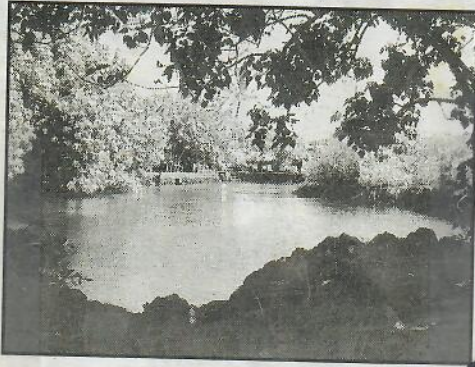
Blood
& Biochem
Banking

DESCRIPTIVE REMARKS:

Motor tool "0"

R front flipper strangled w/ 50 lbs fishing line
 Photo taken - fishing line removed
 Both 7-11 2 RFF Dorsal Shoulder
 Smooth skin. Left eye white pinstish suspicious
 bump on edge of cornea

& OCEANVIEW



Oceanfront Blue Lagoons. Approximately 16.9 acres which includes many private blue water lagoons, your own private bay and numerous superior home sites. Approximately 1,900 feet of water frontage. Gated community in a sunny area with tennis courts and all utilities. What an opportunity at \$1,490,000 # 109642 DN

Denise Nakanishi 959-6093

Date: Fri, 26 Apr 2002 15:20:10 -1000
 From: Marc Rice <mrice@hpa.edu>
 To: George Balazs <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: Re: Any other days in May possible for Kaloko?

The 14th or 15th might be possible, but I don't think I could bring any students. Other times would be 23 through 27 of May or 29, 30 or 31 possibly.

Talked to an alum whose family owns land over by Keauu.. A beach called Shipman Beach or Haena... Says last time they were there there were 23 turtles that came up in the evening to bask on the beach and rocks.. Apparently it is a protected area (calm) and they can get out of the water there.

*Reduce for
 KAPOTE BOO*

Date: Fri, 2 Aug 2002 21:58:55 EDT
 From: JohKtb@cs.com
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: injured turtle

Aloha George,
 I spent about two hours in Champagne Pond today, but I found no injured turtles. In fact, I found no turtles at all. It seems as if the turtles are hanging out somewhere else these days, the count in Champagne Pond has been lower than usual. Anyway, I will keep checking the next few days, and I told a few other people to be on the lookout for the turtle with the hook. I'll let you know if I run into it.
 Aloha,
 John and Nancy



Beach Lots Beacon

The Newsletter of Kapoho Beach Lots
Neighborhood Watch Committee

June 2002

Community Needs Action on Turtle Harassment

Residents Angry about Treatment of Sea Turtles

A recent turtle harassment incident has raised to a fever pitch the anger of community residents about the way turtles are being treated by campers coming into Champagne Pond from the lava flow and by some visitors and intruders into our community.

On April 21, 2002, oceanside residents saw several males in their 20's harassing a turtle, riding on its back and shaking it and throwing it on the rocks! She called to them to stop doing that as turtles are protected by state and federal law. Their answer to her is not printable but they also said they could do whatever they wanted to in their water with their turtles and they'd been here longer than she had. She called 911 for help. The males came up on her property and threatened her repeatedly, all of which was picked up by the 911 operator who told her to go back into her house and lock the door. When she turned to go, she found others in the group had blocked her way and were still threatening her. Finally neighbors heard the ruckus and came and chased them off. The men said they'd be back. When the police left, saying that turtle harassment was not in their jurisdiction, the group went across the street and ripped up a tree growing there apparently just to be obnoxious.

A rash of harassment incident reports began a little over a year ago.

On the evening of February 11, 2001, renters in the community saw 2 males getting out of a car which was parked at the tennis court (illegal in our community). The renters asked if they were going fishing. The males had nets and long poles with nooses on them. They said they were going "reptile hunting" Police were called. They searched the parcel across from the tennis court to the ocean but couldn't find anyone. Also, the plates on the car were registered to a different car!!

In early May of 2001, one of Peggy Forgues' registered sea turtles, a female, died in her pond which is right next to Champagne Pond. When it was examined, a hole was found in its shell like a bullet or spear hole. A caretaker said it had been acting funny the day before.

On June 3, 2001, a resident found a dead turtle by Champagne Pond. Another person reported that they saw local men playing with it and shaking it.

On June 12 a person called police that a turtle was being harassed at Champagne Pond. Although the officer came, neither he or the Watch patroller could find the man who called in the complaint, the harassers or the turtle - but there were many, many campers (also illegal according to the State) on the lava flow adjacent to the Pond.

On October 29, 2001, a baby sea turtle was found in the Forgues' pond. Only a very old male turtle was supposed to be in the pond. Someone, probably swimming in Champagne Pond, put the little turtle in. Watch called the State Department of Land and Natural Resources (DLNR) who came the next day and took the turtle out and put it back into the sea.

Another person called Watch on May 28 that the evening before, several children at a rental unit were beating a turtle. Other renters yelled at them to stop and they did.

There are several other similar incidents where people are seen bothering, shaking or riding on the backs of sea turtles.



*Send
WDRN: My Signs*

A quarterly publication of:
Kapoho Beach Lots Neighborhood Watch
RR 2 Box 3901 Pahoa, HI 96778
808-965-0176
Lorraine Stahr, Editor

Turtles (Cont)

The problem with this is that state/federal law enforcement is far away. Our residents are having to act as police for the safety of the turtles. We need more/faster help from the law.

County police officers should know all the State and Federal laws about turtle protection. DLNR should contact Puna police to set up sessions about these laws. DLNR's Aquatic Resource Division has put up 2 signs, one in the community and one on private property on the ocean. However, they only say that turtles are protected. They should also give a phone number to call if anyone sees a turtle being harassed. After all, it is a federal crime and we need to do something about these incidents occurring. If education is the answer, then the local media needs to pick up on this and bring it into the open, particularly when conservation of the Northern Hawaiian Islands is an issue now.

If you see anyone harming a turtle, you are asked to call National Marine Fisheries Service (NMFS) emergency hot-line at 1-800-853-1964.

If you see a stranded or sick, injured or dead turtle, phone NMFS at 808-983-5730. On weekends, call 808-587-0077. Please keep these numbers by your phone.

Watch will continue to work to educate the public that all sea turtles are protected and that the Green Sea turtle is listed as an Endangered Species. Harassing or hurting it is a federal offense which carries heavy penalties! Just leave 'em alone!!

REPORTS AND REMINDERS**US Government Turtle Count**

Due to the number of turtle incidents reported from our area, the federal government sent a scientist from Honolulu to research the number and physical condition of the turtles in Champagne Pond and the surrounding area.

A graduate student, a scientist from the Big Island, as well as a KBL resident and a vacationer, assisted in capturing, examining, measuring, counting, and tagging turtles. The tags, which are inserted into the turtle's back flipper, allow the turtle to be tracked by satellite. The turtles also have a letter and a number on their shells to help swimmers and turtle watchers identify them. One turtle captured was found to have an old metal tag on its front flipper which showed it came from the Kona side!

Guard Shack Graffiti

During the early morning hours of April 8, the guard shack at the entrance to our community was graffitied. Residents quickly repainted it and were able to save the artwork donated by one of our former residents. Police responded quickly. Although Watch suspects it was the work of two teenagers, no charges have been brought. Earlier that week, a resident's car was rifled. Nothing important was taken. The two teenagers (maybe the same ones) were surprised by the residents and ran away.

Bulletin Board Phone

No longer can you phone a resident from a phone at the bulletin board. While this was a great convenience for residents and their guests, the Association Board of Directors has removed the phone due to misuse, abuse and vandalism by non-residents.

Anyone wishing to reconnect the phone, pay the bill and the repairs, and maintain the area around the bulletin board is welcome to do so.

Water Testing Lab in Keaau

Robert Ely has opened a water testing business in Keaau. He will test pond water, whether fresh, brackish or salty, even in the sea coves, e.g., Champagne Pond, as well as catchment water. He is currently working on a project for the Vacationland Conservation Area.

If he can get at least 10 persons to sign up to have water tests performed at the same time, he will do them for \$30 each. Call Mr. Ely at 982-9767.

Yippee!!!! - no more sending samples to Honolulu!!

WATCH MEMBERS LIST :

CO-COORDINATORS:

Lorraine Stahr - 965-0176

Peggy Wynn - 965-7153

BLOCK CAPTAINS:

Mike Gleason - 965-0622 Upper hill area

Lynette Yunis - 965-4026 Laimana area

Peggy Wynn - 965-7153 - Alapai area

Pat Kelly - 965-8508 Kapoho Beach Road

Neighborhood Watch meets the second Tuesday of each month. Watch the bulletin board for the location. EVERYONE IS WELCOME!

Kapoho Beach Lots Neighborhood Watch
RR 2 Box 3901
Pahoa, HI 96778

Date: Thu, 04 Jul 2002 22:45:25 -1000
 From: Stephanie Puleo <stephaniepuleo@hotmail.com>
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: Re: We have a turtle!

*Reduce
kapoho*

Hi George, glad to hear you had an enjoyable time in taiwan. i knew you were off email until july5 so i had not emailed u in regards to this turtle yet. i am at home right now so i dont have the records book with me but, we received a call from a woman claiming to have come across a dead turtle (with the letters "sp") in the morning while jogging alongside the beach behind champagne ponds. we went out to kapoho and could not find the turtle nor could we reach the woman who had made the report, as she left heather with only her work number. i saw sylvia and she informed me that she had seen 'sp' swimming the previous day in the ponds and we decided that maybe the woman had just seen 'sp' basking. however, i wrote my home phone and pager number down on a business card for sylvia so she could call me directly if they saw or heard anything more about the incident. the following day she called; they had found the dead 'sp' turtle. frank took a wheelbarrow out to the beach and brought the turtle back to their house covered with a tarp. this made what could have been a very difficult pick-up easy for us and we thanked them both for their enormous help.

hope this small bit of info is of help for the moment. i have class tomorrow starting at 8am and then heather and i have a class together until noon, so we can reach you after that to discuss the incident in further detail.

Date: Fri, 2 Aug 2002 18:16:18 EDT
 From: JohKtb@cs.com
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: Re: Hook in neck of Champagne Pond turtle + fishing line down throat?

Aloha George,
 I heard about the turtle from another resident, but I have not swam in Champagne Pond for a couple of days. I will go today and let you know what I find. Hope all is well.
 Mahalo,
 John and Nancy

Date: Tue, 6 Aug 2002 01:09:48 EDT
 From: JohKtb@cs.com
 To: gbalazs@honlab.nmfs.hawaii.edu
 Subject: Re: injured turtle

KAPOHO

Hi George,

An update: I was down by Kapoho Bay today and saw a turtle hanging out with a hook and floater attached. I ran and got my gear, and it turns out it was F8, I think. I'm sure about the F, but the 8 was half rubbed off. I chased the bugger with my handy needlenose pliers, and I almost caught him near the bottom. He dragged his body along some rocks trying to avoid me, and, low and behold, the hook and float came off. I can take no credit, but it was nice to see. By the way, S1, S3, and S10 were in Champagne Pond today, and everyone was having a nice, lazy day. Bill Stearns' family is in town for his 80th birthday, so rest assured Molly Brown is eating gourmet style these days. I will, however, scratch her okole for you. Nancy, Dan, Maggie, Kai the baby, Bill, Sylvia, Frank, Scrappy, Akua, and Molly all say hello.

6-16-02

George,

Tumor under left front flipper of S4
 still white in color. It looks the same as
 the day you treated them. Saw it again 6/19 in deep

Sylvia

Will try to mail you data once monthly.

Let me know if I can help you in any way.

Hope data will be of help.

S.P. was picked up dead on rocks near shore
 ocean water on 6-17. Stephanie came to take it.

Enclosed is 13 pictures of turtles being tested.

Also 2 of Frank feeding seaweed.

SEA TURTLE COUNTS AT KAPOHO

Sylvia
Akiona

W
M
A
R
K
S

Date 2002	Time		Location		Sighting		Weather (Sunny, cloudy, rain)	Number of Turtles Seen	Shell mark IDs seen
	(From To)		1-(Chong Pond 2-or Outer C.P.)		1-(From shore 2-or snorkeling)				
5-19	10:30A		1-2		2		S	22	S 2, 3, 5, 6, 7, 9, 10, RC, ML F 1, 2, 3, 4, 7, 8, 9, 10, HER, RE
5-20	7:30A		1		1		R	6	S 1, 7, F 4, RE
5-21	8:00A		1					5	S 7, RE
5-23	8:30A		1-2		2		S	27	S 1, 2, 4, 9, 10, M, SP, HER, RE F 1, 2, 3, 4, 5, 7, 8, 9, 10
5-24	10:00A		1-2		2		S	26	S 1, 2, 3, 4, 5, 6, 7, 8, 9, RC, M, SP F 1, 3, 6, 7, HER, RE, MBP
5-25	10:00A		1-2		2		S	6	S 6, ML, HER
5-26	11:45A		1		1		C	3	F 1, 7 S 5, ML
5-27	10:00A		1		1		R		S 3, 7, ML, RE
5-28	10:20A		1-2		2		C	23	S 2, 4, 5, 7, 9, 10, RC, ML, F 1, 4, 6, 7, 8, RE
5-29								2	ML
5-30	No Data taken to 6/5								

send Hilo MOP dermex website

F703 Resight
3/22/03
M. Mignone
Cove
Bash

Revised 04/04/01

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

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT

3/22/03 (12 noon)

CAPTURE DATE, LOCATION AND METHOD

MANUPOVE COVE, KAPOHO HOND
PERSON RECORDING DATA: Olivia Lee

TUMOR SCORE

3

ORAL TMRS EXT:
YES OR NO

Yes

EMACIATION CODE

2

OLD TAGS:

LH REF

LFL

RH

445479652A



445221664C



LHF-2-#2

RHF-2-#1

STRAIGHT CARAPACE - LENGTH:

63.0 cm

WIDTH: 50.2 cm

NOTCH LENGTH: 62.8 cm

DB: Ø L.O.

VB: Ø L.O.

CURVED CARAPACE LENGTH:

67.0 cm

WIDTH: 60.5 cm

HEAD WIDTH: cm

AXIAL: 21.8 cm

LATERAL: 21.9 cm

PPS: YES OR NO OR NE Yes

SEX: Male, Female or Undetermined U

TAIL LENGTH: T 12.0 cm

C 8.0 cm

RIGHT FRONT FLIPPER WIDTH: 10.9 cm

SAMPLES COLLECTED:

PLASTRON LENGTH: 50.4 cm

WEIGHT: 68 lbs #

Glucose: 73 GB, 75 GB

DESCRIPTIVE REMARKS:

Motor tool "P"

LJH = 2#2

RJH = 1#3, 1#1

TAIL = 2-#1, 1-#2

LFF = 8-#3, 7-#2, 3#

(tunnel vision) → Left Eye = 2-#2, 1#1

RFF = 4-#3, 3#2

Right Eye = 1-#3, 2#2, (likely no vision)

NECK = 3-#3, 1#1, 10#2

Dermex Injectable - 1-#3 ventral

SEA TURTLE COUNTS AT KAPOHO

Date 2003	Time		Location (From ___ / (Chong Pond To ___) 2 or Outer C.P.)	Sighting / (From shore 2 or snorkeling)	Weather (Sunny, cloudy, rain)	Number of Turtles Seen	Shell mark IDs seen
	From	To					
9/14	5P		1	1	C	2	HL HL, SI
9/15	9A		1	1	C	2	
9/16	2P	2	2	2	S	10	Heads only
						13	S1, 3, 7, 8
9/17	10A	1	1	1	C	11	F1, 3, 7, 9, C, Healthy
						2	S3
9/23	11A	1	1	1	S	2	S-1 F6
9/24	7P	1	1	1	C	2	F3 S3
9/26	11A	1	1	1	S	1	
						2	S3, F6
10/2	7:5A	2	1	1	C	8	S3, H, 10
10/9	5P	1	1	1	S	9	See back on S4
10/10	12:30	1	1	1	S	1	
10/16	9A	2	2	2	CR	16	S1, 2, 3, 10 F1, AL, HER
						9	S1
10/17	8:5A	1	1	1	S	8	S1 ML, HER

Please return to: Marine Turtle Research Program
National Marine Fisheries Service
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 286-2899
mhazrs@hawaii.nmfs.gov

Ms Sylvia T. Akiona
2511 Kimoole St
Hilo, HI 96720-5646



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05-21-02

10/9/02

94 = 2 tumors under left front flipper, about 50¢ coin size. Also 3 tumors on top of same flipper about size of a winkle. All dark gray color.

10/16 = 1 large unmarked turtle has 3 large tumors on top of both front flippers about 4" across - grayish in color.

Some I.D.'s not very visible.

SEA TURTLE COUNTS AT KAPOHO

Time Location Sighting Number of
(From (Chong Pond / (From shore Turtles
To) 2 or Outer C.P.) 2 or snorkeling) Seen

Weather (Sunny, cloudy, rain) Shell mark IDs seen

Date	Time	Location	Sighting	Weather	Number of Turtles Seen	Shell mark IDs seen
2002						
7/21	2:00 P	1	1	S	5	ML, S1
7/22	7:41 P	1	1	C	3	ML, S1
7/23	9:15 A	1	1	SC	6	ML, F2, F4
7/24	9:08 A	2	1	S	7	S1, ML
7/25	9:30 A	1	1	S	2	F1, S, 6
8/6	6:30 P	1	1	S	5	S4, F1, ML
8/8	6:30 P	1	1	C	2	ML - Front Rt. Flipper on top, scute furrow of injury (white)
8/9	10:10 A	1	1	C	12	S1, 3, 7, 10
8/10	9:25 A	2	2	S	8	S1, 4, ML
8/11	5:30 P	1	1	C	0	
8/12	9:00 A	1	1	S-C	2	
8/13	10:00 A	2	2	C	10	F5, ML
8/13	10:00 A	1	1	C	1	2 turtles with hazy
8/13	10:00 A	2	2	SC	3	tags L-2, L-3

Sylvia Akiona
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8/6 1 turtle (first time seen) very yellow colored shell.
7/23 1 small turtle seen for 1st time - small approx. 10" tail (head 1.5" shell)

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05-21-02

SEA TURTLE COUNTS AT KAPOHO

2002

Date	Time		Location (From ___ / (Chong Pond To ___) 2 or Outer C.P.)	Sighting (From shore / 2 or snorkeling)	Weather (Sunny, cloudy, rain)	Number of Turtles Seen	Shell mark IDs seen
	(From ___ To ___)	(Chong Pond 2 or Outer C.P.)					
10/18/02	8:00A	2	1	1	S	4	53 FL7, ML
10/19	8:30A	1	1	1	S	5	Heads only 51, 7, 10 ML
10/20	7:45A	1	1	1	C	2	
10/21	8:15A	1	1	1	R	7	53 FR ML
10/22	8:50A	2	1	1	C	2	Heads only
10/23	1:30P	1	1	1	S	2	
10/24	9:00A	1	1	1	C	9	5-8, 10A FL6 Heads only
10/25	7:30A	2	1	1	C	3	59, 10, ML
10/26	8:20A	2	1	1	C	10	Heads only
10/27	11:40A	1	1	1	C	8	51, 3, 10, ML F4, 6, 3, 10 Heads only
10/28	9:30A	1	1	1	R	5	Heads only
10/29	12:00	1-2	2	2	C	1	510, ML F3, 10
10/30	7:00A	1	1	1	S	9	53, 10 ML F4-8
10/31/02	7:00A	2	1	1	S	14	56, 2, 7 F2, 5

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7 7 Heads
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SEA TURTLE COUNTS AT KAPOHO

Date 2002	Time (From To)	Location (Chong Pond 2- or Outer C.P.)	Sighting 1- (From shore 2- or snorkeling)	Weather (Sunny, cloudy, rain)	Number of Turtles Seen	Shell mark IDs seen
11-1	6:45A	1	1	C	12	S1, 9, 10, F7
		2	1	C	3	Heads only (see back)
11-2	9:15A	1	2	C	9	S1, 8, F6, ML
		2	2	C	10	RC, S10, F4
11-3	10:30A	1	1	C	9	S1, 3, 8, 10, F1, 4, ML
		1	2	S	9	S1, 3, 8, 10, ML
11-4	8:30A	2	2	S	12	F4, 9, 10, large tumors (12)
11-5	9:30A	1	1	S	4	S1, FS MER
11-9	4:00P	1	1	S	1	ML
11-10	5:00P	1	1	S	2	ML
11-11	10:00A	1	1	S	6	ML, S10
11-12	8:15A	1	1	S	5	S10
11-13	8:30A	1	1	S	1	
11-14	9:30A	1	2	C	4	S10, S3
11-15	9:00A	1	2	C	2	
11-15	5:00P	1	1	S	6	S10, S3, ML
		1	1	C	4	F7, ML
11-16	3:15P	1	1	S	6	S10, F1 (see back) S4

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11-1 1 Turtle (large) with large tumors seen - previously on report.
Seem smaller turtles are in area. approx 10-12 inch shell.
11-16 1 medium size turtle with with several large tumors &
many small ^{25P} tumors on + under front flippers. S4

SEA TURTLE COUNTS AT KAPOHO

Sylvia Akiona
2511 Kinohi St
Hilo, HI 96720-5646

Happy Holidays
to Mr. & Mrs. [unclear]

Date	Time (From To)	Location (Chong Pond or Outer C.P.)	Sighting (From shore or snorkeling)	Weather (Sunny, cloudy, rain)	Number of Turtles Seen	Shell mark IDs seen
11/17	10:00A - 5:00P	1 - 2	2	S	15	9 51, 3, 10 FI, 3, 10
"		1	1	S	6	4 510 SH - Lots of small turtles original tumors large
11/18	9:15A	1	1	SC	7	6 51
11/25	3P	2	1		3	Heads
11/26	10A	1	1	S	0	
12/4	11:30P	1	1	S	9	7 ML, 5? # faded
12/11	4P	1	1	S	3	2 S-10 ML
12/11	7:30A	2	1	S	1	1 3 Heads
12/13	7:30A	1	1	S	5	4 Heads
12/14	8:15A	2	1	S	1	1 Head
12/14	5:20P	1	1	S	4	3 51
12/15	9:40A	1	1	C	2	1 51
12/15	4:10P	1	1	S	2	1 51
12/16	10:30A	1 - 2	2 - 2	S - S	4	2 51, 53
12/16	5:1P	1	1	C	4	3-4 51, F3
12/17	7:20A	1 - 2	1	C	2	1 51

UNMARKED

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8 6 51, 12
5 National Marine Fisheries Service
Honolulu, Hawaii 96822-2396
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SEA TURTLE COUNTS AT KAPOHO

Date	Time		Location (Chong Pond / 2 or Outer C.P.)	Sighting (From shore 2 or snorkeling)	Weather (Sunny, cloudy, rain)	Number of Turtles Seen	Shell mark IDs seen
	From	To					
12/29	9 AM		1	2	S	10	1 Large turtle with many large tumors on all flippers
12/30	8:15 A		1	2	S	11	SL, HL
12/31	9:25 A		1	1	S	9	RC
2003							
1/3	8 A		1	1	S	6	HL
1/4	9 A		1	1	S	11	SL, SH, S, 10 (See over) FD, RC, ML
1/9	11:30 A		1	1	S	3	2 S3
1/10	9 A		1	1	S	2	2
1/19	1 P		2	2	S S S	200	Busy Winds - storm
1/20	7:20 A		2	1	S S S	000	"
1/21	10:50 A		2	1	S S S	000	"
1/21	5:55 P		1	1	S S S	000	"
1/22	8:25 A		1	1	S S S	000	"
					C	0	SL, HL, SH still with Tumors wind storm over

Sylvia Akiona

25 11 Kinook St.
Hilo, HI 96720kapoho_sighting_form.xls
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National Marine Fisheries Service
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Honolulu, Hawaii 96822-2396
(808) 286-2899

Sylvia Akiona

SEA TURTLE COUNTS

Date	Time (From _____ To _____)	Location	Sighting (From shore or snorkeling)	Weather (Sunny, cloudy, rain)	Number of Turtles Seen	Shell mark IDs seen
6/14/02	7:30am 9:00am	Champagne Pond Kapoho	Snorkeling	Sunny	3	2 Marked S-9 F-1 No tumors
6/14/02	10:30am 11:30am	Champagne Pond	Snorkeling	Sunny	15+	1 unmarked S-7 F1 RE (Red to Turtle) S-4 F4 RC S-7 F9 S-9 DMC Various unmarked turtles - no tumors, one w/ small tag, one w/ hook in front flippers
6/18/02	7:15am 8:00am	Kapoho Bay	Snorkel	Sunny cloudy	3	None marked 1 w/ tumors around rt. eye

Note: HARASSMENT AND DISTURBANCE ARE STRICTLY PROHIBITED. All sea turtles in Hawaii are protected by State and Federal regulations. The distribution of this sighting form by the National Marine Fisheries Service is NOT a solicitation to conduct surveys or research. The objective is to record and obtain information from individuals who are normally encountering turtles during the course of their regular activities (recreational or visitor diving, hiking the shoreline, etc.).

John Neman
Rt. 2 Box 3879
Paloa, HI
96718

sighting_form.xls
05-23-02

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National Marine Fisheries Service
2570 Dole Street
Honolulu, Hawaii 96822-2396
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June 02

SEA TURTLE COUNTS AT KAPOHO

Reduce

Date	Time (From To)	Location (Chong Pond 1 or Outer C.P. 2)	Sighting (From shore 1 or snorkeling 2)	Weather (Sunny, cloudy, rain)	Number of Turtles Seen	Shell mark IDs seen
6-6	9 AM	1-2	2	S	5	ML, ER F1, 6
6-7	8 AM	1	1	R	4	55, ML, ER F1,
6-8	10 AM	1	1	C	0	
6-9	11 AM	1	1	C	6	57 ML F1, 8
6-16	1:10 P	1-2	1	S	NA 20	51, 3, 4, 6, 7, 5, ML, RE, SP F4
6-17	12:30 P	1	1	R	3	
6-18	9:18 A	1	1	C	2	
6-19	9:20 A	1	1	C	5	54 - Turtles still visible F1, ML (No change)
6-25	10:45 A	1	1	S	4	54, MAR
6-26	10:20 A	2	1	S	4	
6-26	10:00 A	1-2	1-2	S	1 head	53, 4
6-27	11:12:30 P	1-2	1-2	C	12	F3, 7 DMF 51, 3, 4, 5, 7, 8
					22	M13P, ML
					22	
					14	

→ S-4 Turtles still "white"

Pls. let me know if this sufficient.
Aphani Akona

Please return to: Marine Turtle Research Program
National Marine Fisheries Service
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 286-2899
gbalazs@honiab.nmfs.hawaii.edu

Kapoho Village loses

Editor's note: Those who travel around the Big Island can find the remnants of a bygone era nearly everywhere. This column attempts to explain the history behind some of them.

The Kapoho graben — a slice of the earth's crust that's subsided between two bordering faults to the north and south — resembled a large slice of a pie. The seaward edge of the graben was the wider edge, and tended to drop downward during changes in the level of the lava that supported it. This was due to its position directly over the east rift zone of Kilauea.

During times of volcanic stability the Kapoho graben remained stationary, and there were no changes in sea level on its outward edge. As long as the summit remained inflated with lava, the Kapoho graben did not move as the charged column of magma under it supported it much as a hydraulic jack can support the weight



The Riddle of the Relic

Kent Warshauer

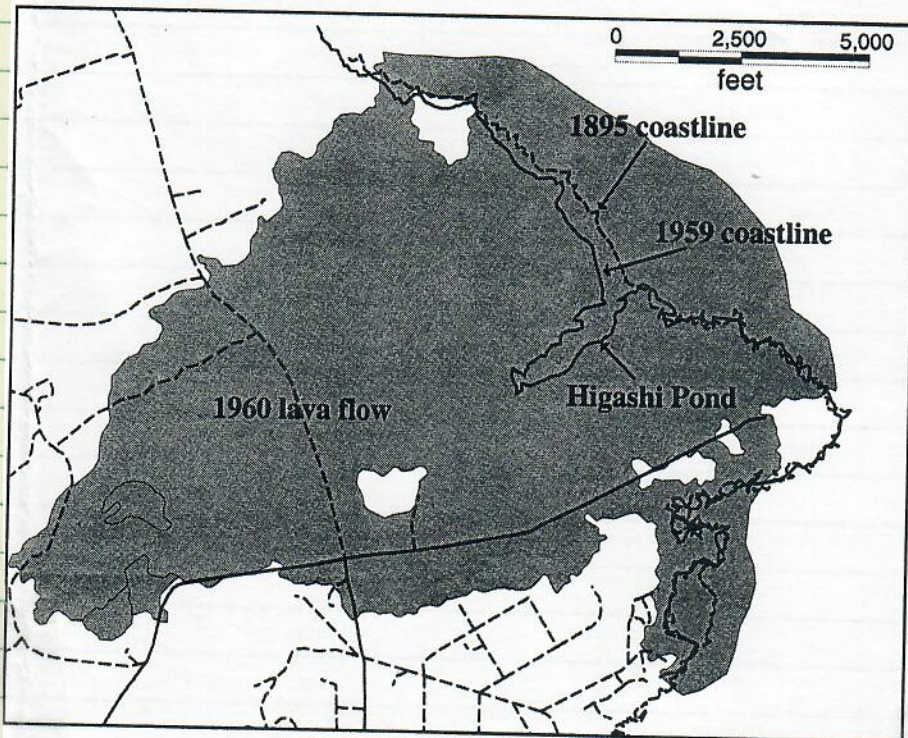
of a automobile.

A submarine eruption on the east rift zone triggered changes in the Kapoho graben much like the actions of a hydraulic jack. To lower the auto from its lifted position, the mechanic opens a valve and the fluid returns to the reservoir and the piston retracts. A submarine eruption does the same thing. The magma supporting the Kapoho graben drained away, causing the land to subside.

During historic times the coastline off Kula has changed, the first instance following a one-day submarine eruption reported by Mrs. Sarah J. Lyman on Jan. 22, 1884. A large part of the

See **KAPOHO**,
Page 35

tug-o-war with Pele



Map by Jim Kauahikaua, USGS

This map shows the major lava flows that overran Kapoho. The destruction of the village was heralded with a series of earthquakes that began in January 1960.

KAPOHO

From Page 33

coastline disappeared under the sea. As this particular eruption occurred in shallow water, it was noticed from shore and reported.

Undoubtedly, other recent underwater eruptions have occurred, as changes in the summit crater had been also recorded as large collapse events occurring Aug. 13, 1883, March 7, 1886, March 7, 1891 and again July 11, 1894. These events probably occurred in deep water, as they were not reported by local residents.

Changes were noticed in the shoreline, as early maps recorded the receding coastline during surveys done in 1880, 1895, 1924 and 1960.

On April 2, 1924, a swarm of earthquakes began near the Kilauea caldera, and migrated down the east rift zone, centralizing in the Kapoho area by April 20 as the walls of Halemau mau began to collapse on the summit. The Kapoho area began to shake as the graben dropped, due most likely to a submarine eruption in deep water draining the magma column.

Hawaii Tribune Herald 11/10/92 p.35

built homes or businesses. Two remote fishponds were leased for mullet farming, the five-acre Mizukami Pond and the Ipoho Lagoon, now to be known as Higashi Pond.

Surveys and permits were completed on the Kapoho Beach Lots and all access roads provided when the lots, starting at \$575 each, went on sale June 7, 1952. This 75- to 80-acre subdivision contained 125 lots, and was considered a semi-private luxury subdivision.

Electricity to Kapoho was a desire of the people, but the community at this time lacked the \$16,000 of the required \$40,000 needed to bring it into the village. It was not until Oct. 7, 1959, that electricity came to Kapoho Village, beach lots and school. This was due to the Lymans investing \$90,000 into the \$155,566 project, as they had something bigger in mind.

On May 6, 1958, it was announced that a Hilo syndicate headed by real estate broker Peter Hayashi had purchased a 90-acre tract at Kula for \$172,500. This purchase included the Waiakea Lagoon and the "last truly authentic Hawaiian village" according to Richard Lyman, president of the Lyman heirs.

SLOW DESTRUCTION OF KAPOHO

The destruction of Kapoho and its graben was a slow process. The first big disaster befell the Kapoho community at 7 p.m. March 3, 1955, when a crack developed on the western edge of the village and opened up into the town itself. This phenomenon had also occurred during the earth movements of 1924, but this case was different.

Lava began to spew from the western edge, and flow towards the town at 9:30 p.m. along a newly surveyed highway. This outbreak was situated in cane fields owned by S. Ikeda, S. Kakugawa and K. Fujisaka. By 2:25 a.m. the following morning, the Ikeda house and P. Caniete houses had been burned and the ruins covered with lava. An old railroad embankment at the head of the Kapoho graben prevented the destruction of the town, as the lava flow stopped upon entering the town's ballfield. Some 450 acres of cane land were put out of production, eliminating Olaa Sugar Co. cane growing operations at Kapoho, although private planters continued to operate. Small coffee, papaya, vanda orchids, and vegetable farms replaced these fields.

The earthquakes in Kapoho increased in intensity by April 22 when great cracks began to form as the graben dropped into the sea, and water began to rush into low lying areas. Earthquakes continued as new cracks opened and closed — one crack crushing a cow. On April 25, the earth near the railroad company's dancing pavilion dropped 90 feet, and a crack opened in the Japanese cemetery as it also dropped 30 feet.

The Kula fault dropped 10 to 12 feet along its nearly five-mile length, and the southern side of the Kapoho graben fell a foot or two. The sea flooded inland, forming Ipocho Lagoon (Higashi's Fishpond) as the coastline sank another 14 feet, leaving coconut trees standing in 12 feet of water.

THE KAPOHO LAND AND DEVELOPMENT CO. LTD.

In early 1948, the Lyman family heirs decided to develop their 12,000 acres in Kapoho, and a family corporation was organized for this purpose. The Kapoho Land and Development Co. Ltd. was organized Sept. 28, 1948, with Richard J. Lyman Jr. as president, Arthur Lyman as vice president and treasurer, and Clarence Lyman secretary.

A new road from the lighthouse to the Kapoho Beach shoreline allowed the subdivision of recreational sites for cottages among the many tidepools in the area, as surveyors began plotting various areas for either lease or sale.

By 1950 about 40 residents of Kapoho Village had purchased the lots they'd been leasing and on which they had

This sale, by the way, kicked off the subdivision land boom resulting in most of the standard Puna subdivisions we have today. Ironically, the syndicate planned an exclusive subdivision with a small boat harbor, deluxe hotel and a 18-hole golf course around Higashi Pond to be developed by the Lyman interests. The village site was cleared of vegetation, revealing the ruins of ancient fishing settlements, which were destined to become a park and picnic area near the proposed hotel.

On March 26, 1959, the Kapoho Land and Development Co. Ltd. announced a development plan for Kapoho calling for a hotel overlooking the Ipocho Lagoon, coast and warm springs. This resort was to have 120 guest suites, to be expanded to 250.

Also planned was a 25-acre community center in the heart of Kapoho, complete with community, civic and commercial buildings, ballfields and parks, and a 23-acre industrial area as well as a small airport. Also planned were 183 farm lots of five acres each.

On April 30, 1959, a hui consisting of James Kuwaye, Norman Lyman, Kazuhisa Abe, Stanley Hara, Jack Suwa and Yoshio Yanagawa, purchased 900 acres and planned for a "Japanese architecture" hotel resort, a beach subdivision with lots from 10,000 to 20,000 square feet and 2½- and 1-acre lots for farming and homesite purposes.

On Jan. 10, 1960, earthquakes again rocked the ancient buildings in Kapoho. On Jan. 12-13, people working in fields north of the village experienced earthquakes made it hard to remain standing. Earth cracks opened in and around the village as the graben sank, and at 10:30 a.m. on the 13th, Kapoho Village was declared a disaster area by the Civil Defense Agency and evacuation of the 300 or so inhabitants began.

At 7:30 p.m. lava fountains broke out in a sugar cane field, and a crack opened towards the sea a half mile long, spewing lava and steam. Located a half mile northwest of Kapoho Village, this vent soon built a cinder cone dubbed Puu Laimana for Senator Lyman, owner of the land, about a third of a mile from the center of town.

Lava flows issuing from this cone had traveled to the ocean by Jan. 15, where the cold water diverted and stalled the flow. This caused the lava to inflate and fill the former shallow valley. Hastily built earth and rock walls put up by bulldozers failed to contain the lava, and on Jan. 17-18, Higashi Pond and Warm Springs were overrun.

The tiny hamlet of Koae, former headquarters of the Eldert Ranch, was the next victim, succumbing Jan. 23-29. Along with William Elderts \$4,000 home, eight other dwellings, the Hoonaauc church and hall and the Puula church hall were consumed, wiping the tiny community off the map.

Meanwhile, the remainder of Kapoho had fared no better.

Hawaii Tribune-Herald, Sunday, November 10, 2002—35

Travel

On the evening of Jan. 27, lava flows buried the majority of Kapoho town and also burned four buildings of the Kapoho School. Only 15 buildings in the town remained by morning as the eruption was producing some 6,600,000 cubic yards of a day. As the lava overflowed the graben, more structures were destroyed. Three homes of the Tanioka, Higashi and Fukumoto families were moved out of the way of the advancing flows.

Pele targeted the beach communities next and burned the U.S. Coast Guard lighthouse

keeper's residences Feb. 2. Lava then overran both Kula Village site and the Waiakea and Mizukami fishponds, burned the teacher's cottage at Kapoho School, and also invaded the Kapoho Beach Lots. On Feb. 3, the million-dollar subdivision began to shrink as lava replaced \$40,000 luxury beach homes. By the eruption's end on Feb. 19, 1960, 10 buildings and 30 lots were destroyed in the Kapoho Beach Lots.

The town of Kapoho ceased to exist, as only three buildings survived the assault. Eighteen acres of cane land were

destroyed and 533 acres were damaged by cinder fall, more than 40 farms destroyed by lava along with 71 residences and 16 business establishments, churches and public buildings. Only the old Railroad Station, Mukai home and Nakamura Store survived, the latter being dismantled by Yoshio Nakamura and the lumber used to build a house in the Kapoho Beach lots, leaving only the sign.

Readers who have questions for Kent Warshauer, the Sugar Mill Spy, can write to him in care of the Tribune-Herald, P.O. Box 767, Hilo, HI 96721.

A note from...

(Dawn Matsumura)

JUNE
2002

alpha george

wanted to say hello + send
some pictures to you. I've been
doing great, keeping busy
w/ everything. I got
recruited to help play in our
"young adults" group @ church,
playing keyboard. never played
in a band before but enjoying
it. wish there were more days
in the week. paul + i saw
+ rode "sweetie" tonight + he
video camera me. 1st time, so i
can see where to improve + had
a nice dinner @ lugulins
let me know when you need
help. i'll leave for
Kaha'i tomorrow



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Protecting Children and Animals Since 1877

(over)

after work for 2 days -
my g-maw 86th bday,
So I need to go.

Hope you're fine & doing
well. Enjoy the photos 😊

Mototooled turtles at Kapoho, Hawaii

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

Mototool #	Tag #	Date	Location	SCL (cm)	Weight (lb)
J1	424D135E5A 425012380E	5/13/02	Kapoho, Jo Mitchell	60.2	-
J2	4243153236 424E403863	5/13/02	Kapoho, Jo Mitchell Blind Inlet	75.0	-
J3	423D770E2B 424D0D6D60	5/13/02	Kapoho, Jo Mitchell Blind Inlet	59.9	-
S1	424D2B355D 424F0F131C	5/13/02	Kapoho, Champagne Pond	54.6	-
F1	424D0A5F56 424F0D4471	5/14/02	Kapoho, Champagne Pond	44.1	26.0
S2	424D0E4556 4250136B0A	5/14/02	Kapoho, Champagne Pond	48.3	-
S3	423F3A0E72 424E752E50	5/14/02	Kapoho, Champagne Pond	57.6	-
MER	42434F7668 4250324F10	5/14/02	Kapoho, Champagne Pond	52.9	-
RC	424D05435C 42501E1224	5/14/02	Kapoho, Champagne Pond	63.5	-
F2	423334300D 4239614827	5/14/02	Kapoho, Champagne Pond	61.1	-
F3	424F105A44 4250371044	5/14/02	Kapoho, Champagne Pond	59.7	-
SP	423F274925 424E7C6D7D	5/14/02	Kapoho, Champagne Pond	51.4	-
ML	V717 V718 407C7A4924 423D7D2549 4243396667	5/14/02	Kapoho, Champagne Pond	49.6	35.0
S4	422E702E62 42333E1C62	5/14/02	Kapoho, Champagne Pond	49.2	-
DX1	422F0A5D3F 4232356159	5/14/02	Kapoho, Jo Mitchell Blind Inlet	75.5	-
DX2	7966 422D4D6C08 422E7C3E47	5/14/02	Kapoho, Jo Mitchell Blind Inlet	85.2	-
S4	422D760E19 4236356C7A	5/15/02	Kapoho, Champagne Pond	43.3	-
F4	422D6A1A4A 42323E4447	5/15/02	Kapoho, Champagne Pond	53.0	47.0
S5	422F1D275A 42346E5C59	5/15/02	Kapoho, Champagne Pond	52.2	50.0
F5	4232511C58 423254401B	5/15/02	Kapoho, Champagne Pond	59.5	65.0
F6	422F080020 4234624214	5/15/02	Kapoho, Champagne Pond	55.9	57.0
DMP	423230347F 42334A1D57	5/15/02	Kapoho, Champagne Pond	45.9	32.0
S6	422D4F4030 422F0A2B15	5/15/02	Kapoho, Champagne Pond	47.1	34.0

Kapoho.mototool.xls
 05-24-02

Marine Turtle Research Program
 National Marine Fisheries Service
 Honolulu Laboratory
 2570 Dole Street
 Honolulu, Hawaii 96822-2396

Mototool #	Tag #	Date	Location	SCL (cm)	Weight (lb)
S7	422D62752C 422E745C5E	5/17/02	Kapoho, Champagne Pond	44.8	32.0
F7	422F0A6613 423239081D	5/17/02	Kapoho, Champagne Pond	42.3	25.0
S8	422F181428 4236153B67	5/17/02	Kapoho, Champagne Pond	42.7	23.0
F8	422D5F6C03 42324E6167	5/17/02	Kapoho, Champagne Pond	44.6	26.0
S9	4235706F07 4236414C6F	5/17/02	Kapoho, Champagne Pond	43.0	22.0
F9	422F1B6B14 42360B5A6E	5/17/02	Kapoho, Champagne Pond	48.8	37.0
S10	422E752F59 422F046E69	5/17/02	Kapoho, Champagne Pond	60.6	66.0
F10	422E59672A 42397F5661	5/17/02	Kapoho, Champagne Pond	61.4	77.0
RE	422F0A3E52 4234764B11	5/17/02	Kapoho, Champagne Pond	46.5	33.0

Sunday KAPOHO III 12-18 May 2002

12 May 02 Saturday

Depart HA 222 330 PM for Hilo Alone
Met by JO and daughter, "Sissy" at Airport
works at Hilo Student Center

Franko De Rego
Sylvia - Mr. Chong
owner of Champagne Park home

Shopping at KTA. Met John Corey & wife at least
Transferred 2 tubes, scuba bottle and Calipers.
To KAPOHO Beach, lots ~ 630pm, "Molly" Bulldog,
Heavy overcast. Went for snorkel at 930-10pm
20 turtles counted in leadful shore ponds.

13 May 2002 Monday
Light RAIN on and off. Drove to
upr 7 AM opposite end of LOTS and walked
down one of right of ways on to lava rock to
sea ward side of Champagne Park - Small
green high & dry on rock (overcast). Vigorous when
picked up and taken to C.P.

Met Sylvia and Barbara by C.P. Sylvia
been around here for 20 years called Mr. Chong.
Picked up Bob Morris at ~ 4 PM. Scoop netted
1 tube at C.P. 930-1030pm night Snorkel
To Mitchel Beck's door - 3 captures.

14 May Tuesday
Mex Restaurant Dinner
GB & Bob Morris & Stephanie Puleo to C.P.
assisted by Sylvia, Frank, Barbara (husband John)
Scoop net and Set/dry net of C.P. complex
from Mr. Chong's Property. 10 captures,
CP would be Excellent for JW Video.
Therry Work arrived ~ 6 PM.
Mex Restaurant Dinner.

Snorkel TW & GB ~ 930-11pm To Mitchel
2 captures - Both given Dermex.
one is 7966 in coral TAG.

VACATIONS ^{Departures for Kapoho?} =
Steve Marocotte

15 May 02 Submitted final Abstract for
Symposium proceedings (TDRs Howokas
Wednesday GB, TW, Morris and Dawn Patterson)

Sunkel low tide into
Mangrove Cove - 8 AM out 10:30 AM

* - Goshlyt in, Turn left at
Sunken Hobie - proceed under
low branches (low at low tide!) to
Mangrove Cove (Palm trees + brushy
discharge). Adult carapace skeleton
by Hobie (humeri collected). Saw
2 Turtles in cove. Lots of turtle
movement here clouds of Dark Brown
silt into water column. NO turtles
seen on the way in, but are
seen at entrance. Another seen
when leaving out, to right of entrance -
TMS + severe pneumonia. 17 turtles
caught in front yard part of Ford.

TW, PM
GB

TUES. 14 MAY 02 MEX dinner at Pahoehoe

- = 1) Use Fluke FINDER on Blood
from turtles (anticoagulant). Ask
Fluke-Finder Co. what might be new
- 2) "Retreat" at Kapoho
- 3) View turtles w/o FP ("STRATEGIC
THINKING")
- 4) See if large in eggs are viable
after digest in Ph 2
(what is Ph of Tiger Stomach?)
- 5) Frozen turtle w/ AFP from
FL for TW necropsy.

Need Belden
Patty email
DRIVE TO JOHNORP

CONTACT DALE
ZARELLA

107

15 May 02 Morris and work depart ~ 1 PM.

wed Met John & Nancy ^{wrote notes.} Theirs in Ark 965-7226

Special education teach PATOA High School.
2 years here. Walked around beach lots.
owner of Molly Brown & Scrappy is Bill Sterns
Bulldog Jack Russell

Small gill net set across JO Mitchel inlet
at ~ 7 PM - not moved until ~ 6:30 PM.
Turtle heard breathing near it - Molly backing
in the middle of the night. Presumably turtles
didn't try to go through into the net.

5/16/02 8 AM JOHN KATHIARO came we drove
Thursi to Ottong's house - saw 6 turtles no painted
mark. Drove to Peggy's saw male turtle
with tag - photos. Nephew not met.

Drove to Cape Kumukahi and along graded
lava field road (Arthur Lyman land formerly).
to Champagne park - Condy heavy on west end.

I gave John 2 signs "Warning Sea Turtles"
Drove to Vacationland subdivision south
of Kapa'oa - met JIM BLAKEY near
tide pools. Turtles not commonly seen off here - Those
seen literally scurry away from people.
Near Pihiki John showed us area where turtles may come into
pools. He and Cheryl staked out. Algae collected for ID.
RON Bachman forestry or Wildlife Shipman Estate
Roy Blackshear property - cove where turtles
come out on rocks.

Deployed TIDbit Logger # 383504 ~ 7 ft

Center of Champagne Park by road ~ 5 PM 5/16/02
pile of rocks ^{next to}

Black
all white

Sylvia told of Frank
DeRigo collecting "low" - like algae

need - 1) Form for Sylvia to record sightings
2) Sept stuff + data

5/16/02 offshore and feeding to turtles in ponds.
I took 2 photos. I thought of Frank w/ many turtles
feeding algae to them. Requested loan of
the 2 pictures or dup prints.
While snorkeling out to waves as high came in ~ 5:30
Saw several mislabeled turtles.

5/16
THURS: Mexican
Dinner alone at Kapotto.

5/17/02 up at 7 am
Friday at Stephanie & Jenny arrived
at ~ 10 AM - TO Champagne Pond
John and Nancy and Pahoa student Robert Enrriquez
and NANCY's son and daughter-in-law assisted.
Scooped netted 2. Then 2 or so in set net
across channel. Then hard snorkel - stalk
in large part of pond.

Total of 9 + recaptured ML & another to
take weight. Finished about 2 PM.

Talked to Stephanie & Jenny

Snorkeled Blind inlet - no turtles seen, put
out loggers near surface under tree branches.
Walked to CP at ~ 6:30 PM.

TO Pahoa MX restaurant.

~ 9:00 PM looked in small warm pond w/ light
small (~ 38 SCL cm) green in there.

Bill Stearns says turtles are in front of his house
every morning at 6 AM.

5/18
SATURDAY

Cleaned house, packed gear - met with JD 9:30 AM
Depart for HILO
Hawaiian air 181.

JO Mitchell BLIND INLET 5/17/02 Friday

ONSET TIDBIT = 2ft depth at mid-tide

under tree branches = water layer at low tide. #381370 Hopefully

not found 3/03

needs - Video & Still in Champagne Pond Exceptional clarity.

Champagne Pond - Tide = low during day, high in late afternoon. While in shore, in pond when low, leave w/high (Return before too low)? need TID Anklet

BLIND INLET JO Mitchell Reverse - in trees at night when sunsets (high)

gone during the day when high.

within 1/4 mile of each other. CP turtles are smaller than B.I. turtles.

DAY / NIGHT Mediated? or TIDE (High/Low) Mediated?

need Send Kapotto²⁰⁰¹ video to JO Mitchell

Sylvia form -

DATE	TIMES	LOCATION	Weather	NO. TURTLES SEEN	NO. shells w/MARKS	shell mark numbers
	to					

Sylvia told of turtles sleeping near bridge of Kealoa Beach - outside of Hilo

Date: Tue, 28 May 2002 14:16:58 -0400
 From: johktb@cs.com
 To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
 Subject: RE: Kapoho photos 4/17/02

"George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> wrote:

>John, here the digitals taken on Friday. Let me know if you receive them
 >ok. If not, I'll have a diskette made and mail to you. Aloha, I
 >miss Kapoho, please pat Molly for me! George

> á á á á á á *****
 > á á á á á á * á á á George H. Balazs, Leader á á á*
 > á á á á á á * á Marine Turtle Research Program á á*
 > á á á á á á * á National Marine Fisheries Service á*
 > á á á á á á * á á áSWFSC Honolulu Laboratory á á á*
 > á á á á á á * á 2570 Dole Street á á á á á á*
 > á á á á á á * á Honolulu, Hawaii 96822-2396 USA á *
 > á á á á á á * á á á áTel:(808) 983-5733 á á á á á *
 > á á á á á á * á á á áFax:(808) 983-2902 á á á á á *
 > á á á á á á * á á gbalazs@honlab.nmfs.hawaii.edu á *
 > á á á á á á *****

>"Fire in the Turtle House: The Green Sea Turtle and the Fate of the Ocean"
 > á á á <<http://www.publicaffairsbooks.com/books/fire.html>>

Aloha George,

Awesome pics!!! Thank you very much. Robert just loved them! I also got the pics in the mail on Friday. Sorry I did not get to you sooner, but I do not have e-mail at home, and with the Memorial Day weekend, this is my first chance to thank you. We will be doing a lot of language arts stuff with this. His mom thanks you as well.

Just FYI: Nancy and I have been snorkeling quite a bit lately. We still see Mauna Lani regularly, but I have not seen any other tagged turtles. Yesterday, we saw five turtles in the bay, actively feeding right outside of Champagne Pond, not a tumor to be seen. They were all beautiful. We also had a visit with Albert, the turtle in the pond by Marty Burch. He seems healthy, but I don't know how happy he is. Bill Stearns also received his package, and asked me to thank you for him.

We hope to do this again sometime. Please let us know when there are turtle activities on the Big Island. We will definitely support. Hope you and your family are well. Take care, and I will e-mail you with any turtle info. I see in Kapoho Bay and Champagne Pond.

Mahalo nui,
 John Theismann

5/2002
George Reminders

Don't forget to turn
"on" hot water heater
switch
by upstairs bedroom
on entering
for small appliances
like coffee maker -
toaster - micro -
use only one at a
time - when coffee
pau perking - then
turn on toaster -
then micro - etc -
If 2 appliances
are on it trips
refrig - save?

SEA TURTLE COUNTS AT KAPOHO

Date	Time (From _____ To _____)	Location (Chong Pond or Outer C.P.)	Sighting (From shore or snorkeling)	Weather (Sunny, cloudy, rain)	Number of Turtles Seen	Shell mark IDs seen

Please return to: Marine Turtle Research Program
 National Marine Fisheries Service
 2570 Dole Street
 Honolulu, Hawaii 96822-2396
 (808) 286-2899
 gbalazs@honiab.nmfs.hawaii.edu

kapoho.sighting.form.xls
 05-21-02

Reports (Cont)

THE GARAGE SALE IS ON AGAIN!

We ARE having a garage sale at Sacred Heart Church in Pahoa! It's planned for THURSDAY, OCTOBER 6 from 7:00 am until 12:00 pm. We will be setting up October 5 at 7:00 am. All proceeds will go to support the Beach Lots Neighborhood Watch

HERE'S SOME GOOD NEWS!...

The State's Natural Energy Lab has issued a Request for Proposals to use 4 acres of State-owned land and an abandoned building across from Leilani Estates Drive on the road to Pohoiki. The building was a visitor's museum for what was then fairly new technology: a geothermal well. The well was founded in the '70s by the State, University of Hawaii and research groups and used as an incubator for new ideas using the energy and heat from the well.

The Natural Energy Lab encourages the use of natural resources and local entrepreneurship in helping the development of business in the community. It hopes that the proposals will make use of the existing building on the property. The proposal deadline is in mid-October. Stay tuned!

...AND SOME BAD!

In June, ²⁰⁰¹ one of our residents found a female Green Sea turtle dead in a private tidal pool near Champagne Pond. The Department of Land and Natural Resources was called. The turtle looked as though it had a bullet or spear hole in its shell. It had been acting funny the day before according to local residents.

Two weeks later, another female Green Sea turtle was found dead in the same area. Someone saw local persons who were camping on the lava flow, playing with it and shaking it. Later they found it dead. Again DLNR was called and is investigating the deaths.

The Green Sea turtle, as you know, is an endangered species. There are hefty federal fines for bothering or harming them.

EMERGENCY CONTACTS

Watch has a list of Emergency Phone Numbers and Addresses for County and Government Offices. Watches share these lists and ask that we offer them to our community members. If you'd like to have a copy of this list, please call Lorraine Stahr, 965-0176. The list is currently being updated but will be available in the next few weeks.

Beach Lots Beacon
The Newsletter of Kapoho Beach Lots Neighborhood Watch Committee September 2001
THINGS ARE HAPPENING IN PUNAHOU!



ould d to 78. It for cy to be accepted. Terms are for 2 gin January 1. The Association ie forms the first of September.

't have one yet, or you need further please call Patricia Morlock, 510.



Kapoho Beach Lots Neighborhood Watch
RR 2 Box 3901
Pahoa, HI 96778

(Mrs) Jo Mitchel
 77 Ala Muku St
 Hilo, HI 96720
 (808) 935-7696 [Jo's residence] 935-7696
 (808) 965-7851 [Beach home]

Give KAPOHO Book

SIGHTING INFORMATION TURTLE AND SEAL

Animal sighted (circle): Turtle Seal
 Number of animals: 38 Type, if known: Seal
 Date: 7/13/82 Observer: DeRoy
 Address & phone (optional): NAUTILUS DIVE CENTER, INC.
382 Kamehameha Ave.
 Time: 11:00
 Location: Lelewi
 Observed from (circle): shore, boat (name: Hilo, Hawaii 96720),
 while skin or SCUBA diving (on surface or at 20-40 feet deep).
 Estimated size (length): Juv. to Adult
 Comments: (such as color pattern; injuries; scar patterns; tumors;
 whether flipper tags are present (Y/N); color and number of the tag(s);
 bleach marks (number/letter); behavior; and weather)
many new juvenile turtles

Seals and sea turtles are protected under Federal and State law.
DO NOT DISTURB.

How
Hale

MALUHIA

Jo's Kapoho Beach House

"PEACEFUL PLACE"

Thank you for your recent interest in renting my Kapoho beach home. I am sending this form letter so you may familiarize yourself with this area.

Hawaii is the largest, southern-most island in the Hawaiian chain, lying approximately 200 miles southeast of the main island of Oahu. Kapoho is 30 miles from the Hilo Airport.

The beach house is located in an area of vacation homes - you will not feel isolated, nor will you feel crowded. It is ten steps away from a protected lagoon which temperate water is a mixture of fresh springs and ocean water - the bottom of which is lava, as is the make-up of the islands. You will especially enjoy swimming and snorkeling.

The house has two bedrooms - one on a split level with a half bath, and the other bedroom is on ground level with a full bath. Also, overlooking the living room area is a sleeping loft which can accommodate several people on mattresses. There is a separate bathhouse with shower for an after swim change. There is an open living room and kitchen (fully furnished with all appliances, towels, bedding etc.) and a sunken dining room - all located in pleasant open surroundings. There is no garbage disposal (the fishes act as nature's disposal - but only soft foods, please!). Garbage must be bagged with tenants providing their own bags; tenants are responsible for taking their garbage to either Pahoa or Keaau dump sites. There is a telephone, but long distance charges are prohibited. There is a television with reception of ~~one~~ channel. ~~You may provide your own VCR. Sorry, VCR does not work at Kapoho house~~

The town of Pahoa is 8 miles from Kapoho where there are restaurants, stores, a theater and laundromat. There is a washing machine at the house, but no dryer. There are clothes-lines out of doors and also in the laundry room.

To confirm your reservation, please send the appropriate deposit as determined by the accompanying Rental Rate Schedule.

If you have further questions, please feel free to contact me and I will be glad to answer them all.

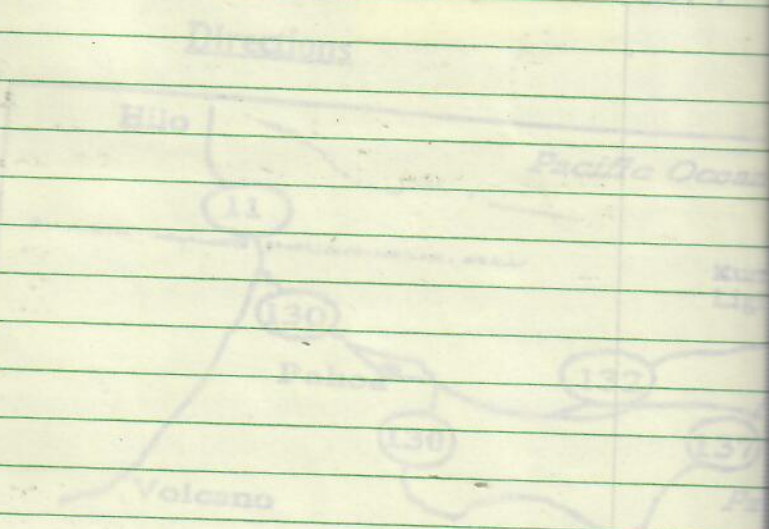
AMOLAM

HAWAII ISLAND JOURNAL • March 16-31, 2001 9



PHOTO: JOHN CONEY

Fake News
 1. This is the best
 news since Hawaii
 as you approach Pahoa
 make the new
 diving spot follow
 dive to left, just
 just east take Hwy
 137. At junction just
 take left turn
 left. At junction of
 137 and 137
 road turn right



2001 MARCH

CITIZEN WATCH

Kapoho
BrookSaving a
Coral Garden

Community members are forging a hard-won consensus on how to protect Kapoho's unique tidepools.

BY ALAN D. McNARIE

Last January, as former President Clinton's last-minute declaration of a coral reef reserve in the northwestern Hawaiian Islands continued to generate national headlines, Puna residents packed a meeting room in Pahoia to debate similar issues involving an area that was much smaller, much closer to home — and just as priceless, some residents contend.

"I don't think that there is anyplace in Hawai'i that is more precious than this," declared newly elected Mayor Harry Kim. "If we can't protect the most pristine area in the state of Hawai'i, the most precious area, then what the hell chance have we got to protect anywhere else?"

Blakey, who has lived on the edge of the tidepools for 17 years. "We've had no monitoring of this, and it's just been degraded so badly that it's hard to look at," he says. "We get netting of turtles, we get a lot of bleaching (killing fish with chlorine bleach, which is illegal and destroys coral organisms). They just set up camp, taking and killing everything there."

Professor Leon Hallacher, the current Dean of Arts and Sciences at UH-Hilo, has been part of the effort to provide hard scientific evidence — both of the area's special qualities and of the damage that humans are doing. After being approached by Blakey about residents' concerns, Hallacher decided to extend a grant research project on West Hawai'i reef fish populations to include Kapoho. A team including Hallacher, former UH Professor Brian Tissot and UH marine science students began installing marine survey transects — 425-meter long lines, anchored at each end — in July of 1999. Since then, they've been regularly swimming along the lines, tallying fish within two meters on each side of the line.

Kim was referring to the Kapoho tidepools: a shallow lava shelf on the Puna Coast which holds some of the most diverse and easily accessible coral gardens in the state. Residents in Kapoho Vacationlands, which borders the pools, have been trying for over ten years to get some legal protection for the pools and their marine inhabitants.

Now, bolstered by the support of marine biologists from UH-Hilo and the Department of Land and Natural Resources' Aquatic Resources Division, the movement to protect the reef finally seems to be gaining momentum. In a series of community-sponsored meetings, residents, scientists and DLNR officials are hammering out an official proposal to create a protected zone in part of the tidepool area. After one more such meeting — to be held at the Pahoia Community Center at 6:30 p.m. on March 27 — the group hopes to have a draft protection plan that the DLNR can then take to public hearings.

Likely components of the plan will include a "no take" zone where all forms of fishing will be banned. There is also strong support for a ban on all commercial activities, including snorkeling and diving tours, within the protected zone.

According to some residents, any protection would come not a moment too soon. Among those concerned citizens is Mayor Kim, who was involved in the effort as a Vacationlands property owner before he became mayor.

"We've gone from an abundance of sea cucumber to the point where if you see two or three, you consider it a good day," says Kim. He notes that sea urchins once covered the bottom of some of the pools. Now, he says, "You have hardly any."

Another concerned resident is Jim

One thing that the team quickly discovered was that the tidepool area was a major fish nursery.

"So far, in any of our West Hawai'i Transects, we don't have the abundance of juveniles that are seen in the Kapoho tidepools," says Hallacher. He notes that the area is especially rich in young parrot fish and wrasses.

The diversity of coral at Kapoho is also exceptionally rich. Hawai'i, the most geographically remote island chain on earth, tends to have fewer coral species than elsewhere — mostly lobe coral. But at Kapoho, the lobe coral is joined by a gaudy array of false brain coral and rice coral.

The study hasn't been going on long enough, yet, to provide scientific evidence of the reef deterioration that has long-time residents so horrified. Right now, Hallacher and his team are trying to establish a "baseline" for the reef's current condition. They have laid out transects both inside and outside the proposed protected area. If the no-take zone is enacted, the transects inside it will serve to document whether the protection measures were effective or not.

UH-Hilo students help gather evidence, counting fish, to monitor coral reef preservation at Kapoho tidepools off the Puna coast. Residents in the area are concerned about blatant abuse of the fragile coral there by aquarium fish collectors, careless snorkelers and by illegal fishing tactics. Other dangers to the reef include seawalls and sewage effluent from unlined cesspools.

while the transects outside the zone will serve a "control" sample for comparison.

But in his time at the coral gardens, Hallacher has accumulated his own anecdotes about reef abuse. "I've seen people put a fence net up in the sandy area, put tennis shoes on, and then literally run over the coral, herding the fish into the fence net. It's appalling," he says.

The team's West Hawai'i studies helped document the damage that tropical aquarium collecting did to fish populations in West Hawai'i, providing evidence that led to the banning of commercial aquarium collecting in several areas on that coast.

Ironically, aquarium collectors have turned to remaining unprotected, accessible areas — including Kapoho — to supply their businesses. Some clandestine collectors reportedly have broken up coral heads to get at the fish hiding within.

The coral gardens also face other possible threats. One is commercial snorkeling tours, which bring swimmers by

the bus and van load to the pools. Coral is a surprisingly fragile life form. The stony exoskeleton is hard but brittle, and the thousands of tiny organisms that create it can be literally destroyed by a touch. Other reef creatures, such as mollusks and sea urchins, are designed to withstand the battering of the tides, but crush easily under the weight of a human foot. Nor does all the damage go one way. The shallow pools are connected by channels often less than a foot deep, and fraught with rapid tidal currents run. Even an experienced snorkeler, running this maze, is

apt to lose some skin. Some collisions with sea life are almost inevitable.

"If you have a relatively small number [of snorkelers] and they're really well trained, it's probably not too bad...but if you're going to have a lot of people down there, there's going to be an impact," believes Hallacher.

"Every time we have the tour, we have a big briefing on the site, explaining to people that coral is a live organism, and if you touch it, it's going to die. Touch it only with your eyes," says Lio Lecointre of Planet Ocean Watersports, which conducts commercial snorkeling tours to the tidepools. Lecointre says the maximum number of swimmers his company takes to the Kapoho is 33-34, and if the group is that large, they arrive in shifts.

"When we have that number of people, we don't even bring them all at one time, because that's way too many people. You cannot bring more than 20 people at a time, it's just too crowded."

Another threat may come from Vacationlands itself. Modern environmental laws strictly protect wetlands and shorelines from encroachment. But many homes in Kapoho Vacationlands homes were either "grandfathered" in under older codes, or else simply ignored the law. Some have seawalls that reach out into the water; others are built directly over pools, or have fragile anchialine ponds in their yards. It is sometimes difficult to tell where the sea ends and the community begins.

Sewage from unlined cesspools may be flowing into the tidepools, fueling algae growth that smothers coral. But the main impact of the community is simply its existence, and the public roads that connect it to the outside world.

That ready accessibility is part of the area's uniqueness.

Coral Garden

— continued on page 10.

"We've had no monitoring of this, and it's just been degraded so badly that it's hard to look at... We get netting of turtles, we get a lot of bleaching (killing fish with chlorine bleach, which is illegal and destroys coral organisms). They just set up camp, taking and killing everything there."

1, 2001

CIT

Coral Garden

— continued from page 9.

In East Hawai'i, where much of the shoreline consists of wave-pounded bluffs, sheltered swimming of any kind is at a premium, and a usable shoreline with a decent, ungated road to it is even rarer. As a result, the tidepools attract swimmers, snorkelers and fishermen from all over Hilo and Puna, as well as fish collectors and tours from even farther away. The loss of Kalapana and Kaimu beaches to lava flows has exacerbated the problem.

But accessibility to sheltered water is also an issue from the fishes' standpoint. With so little sheltered water available, the area may serve as a fish nursery for the entire Puna coast.

"I have worked my way out of four jobs as a fisherman, and what I'm seeing now is that wherever there is easy access to any coastal area, there is tremendous damage," testified one Puna resident at the January community meeting.

One reason that the process of seeking protection for the area may have dragged on for over a decade is the temptation for each stakeholding group to point to the others as the "real" culprits. Residents complain about the excesses of fishermen; fishermen point to residents' cesspools. Local snorkelers point fingers at large tour groups; tour operators say that uneducated solo snorkelers are more likely to cause damage than carefully lectured and controlled groups. Subsistence fishermen accuse sport fishermen, and vice versa.

One particularly thorny issue is that of Native Hawaiian fishing rights. A small number of Native Hawaiians claim to use the pools for subsistence fishing. They fear their traditional rights and way of life are being threatened because of the excesses of others.

"The Hawaiian issue is not a heart issue, it's here," said subsistence fishing advocate Keikialoha Kekepi, pointing to his stomach, at the January meeting.

"Kanaka maoli (Native Hawaiians) for thousands of years practiced conservation," Hawaiian resident Alexander Scott Keawe Miles told the same meeting. "If that practice were continued, there would be no meeting today." But he was generally sympathetic to the group's effort: "I think probably if it was King Kamehameha the First, he would appreciate what you're doing... Since that is a strategic area, I think probably my ancestors would appreciate what you propose."

The community group has consulted with native Hawaiian families in drawing the boundaries for the proposed protected zone, which would encompass about 2500-3000 feet of shoreline. The southern boundary of the no-take zone, for instance, was drawn where it was out of deference to a local family that wanted to reserve its akolekole fishing grounds.

"There's a consensus for protection, but at the same time we need to consider the issue of Hawaiian subsistence fish-

ing practice," believes DLNR marine biologist Bob Nishimoto.

At a meeting in February, the group heard more Kanaka Maoli kupuna speak, as well as other residents. One suggestion was to pass a no-take zone, but to "revisit" the decision in three to five years.

"I think three to five [years] is a good shot," says Nishimoto, though he points out that data after three to five years still wouldn't take long-term global phenomena such as El Nino into account.

The lack of data on Hawai'i's reefs is a major problem in designing protection for them statewide. There is currently no study of the reef systems' overall health, despite widespread community complaints about falling fish populations and dead coral. The UH team's funding covers fish populations, but not invertebrates such as sea cucumbers and urchins.

"What do we do to allow people to enjoy this resource and still protect it from damage without being loved to death?" he asks. "It don't have the answer for you."

But studies elsewhere have indicated that no-take zones are effective in both protecting the zone itself and creating a nursery to restock surrounding areas. Some studies have suggested that at least 20% of the total shoreline should be protected to sustain fish populations. Hawai'i currently protects only 2% of shoreline on its main islands.

Kapoho residents hope that by the end of the March 27 meeting, they will have a draft plan to add another 2500-3000 feet of shoreline to that protected space.

"What's happening is that the group is saying, hey, it's really time to compromise and work for one course," believes Nishimoto, who has high praise for the community's efforts. "I think the Vacationland community has been really supportive, and I'm really proud of them. I'm really impressed," he says. "This has been a long process. I know a lot of people have been very frustrated ... but it's a process that you've got to go through. You don't want to have anybody sideswiped at the last minute. When we go to the formal process, if the government sees that these people are really serious, nobody's gonna stand in their way."

need ~~copy~~ SKRM
of D 124
Wednesday

11 JULY 01 KAPOTOH / EXPEDITION

① Shannon Ryan "charm school reject"

~~Leopoldstr@aol.com~~

② Cassandra Szeleski (picture on the table)

~~Evilredpleasure@aol.com~~

* ③ Sheila LaBelle she knows netscape?

~~(808) 968 7549 P.O. Box 1242 MT VIEW HI 96721~~

④ Darlene Carter

⑤ Merrick Patten

⑥ Cheryl de Cotte

~~CherylKedlin@hotmail.com~~

⑦ Leandra Lockwood

~~Fenna20@aol.com~~

* ⑧ J. Michael Condie

~~biepocbum@hotmail.com (interested in possible research)~~

⑨ Julia Damon (Turtle Anatomy Project) Julznez@alpha.net

~~Please tell Mr. Rice I said Hi! :)~~

⑩ Kellie Kronon

~~angelraver2002@yahoo.com~~

⑪ Robert Lee

~~buriedmirror@yahoo.com~~

⑫ Heijiro Ikeda

Zog (703) 304 1088 PAT 900.

MSP
JH
Students

3/22/03

3/22/03

(1) Laura E Campbell
430 W Kawili 10B
Hilo, HI 96720

OLIVIA

(2) Olivia Lee
430 W Kawili St, Apt 2A
Hilo, HI 96720-4064

sent

(3) Louisa Ponnampalam
430 W Kawili St, 16C
Hilo, HI 96720

6-27

KAPOTO

from p19 7-11-01

CONTINUED

PIT = 42500B213A

LEF: Tech eggs + adult

LEF: ~~(2), #3~~ / (3), #1¹ / (2), #2~~(3), #1~~~~(2), #2~~

Glottis (1) #2

LJH & RJH (1) #2

left eye: (2) #2

R. eye (2) #1

R-F Flipper: (2) #3 / (6) #2
#6

L. Hind (3) #2

R. Hind (1) #2 + 1 = 2-#2¹

(1) #1

Neck: (5) #2

TS = 2

John & Nancy Weismann

brown houses in beach lot

See
p. 45 965-7226will volunteer for any
work needed re: turtles

from p. 18

7-11-01 KAPOHO
PIT 424F373E4C TS 3

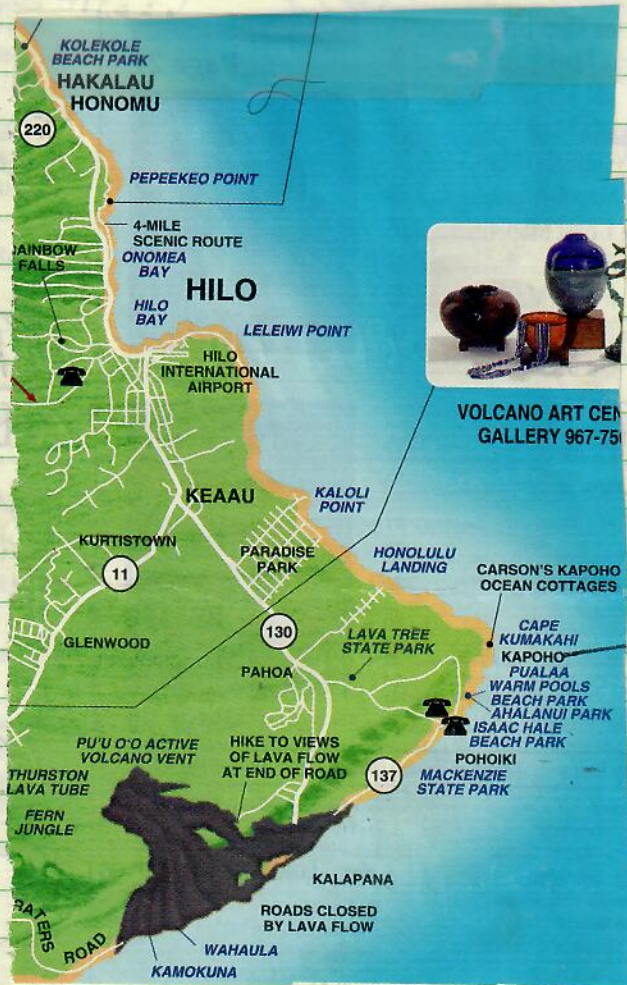
Continued

base of LFF: 1#4+ stalked
base of RFF: 1#4+ stalked

base of LHF: 1#4+ stalked
tail: 1#4 stalked
1#1

L eye: 1#3 posterior
R eye: 2#1 posterior

TS = [3]



K MARCH 2003 128

16y.o.

Sent

Celeste Yantis
HCR 3 Box 10026
Kecau, Hi. 96749

Home School
Student friend -
Dad came with Dawn

Patterson
3/19/03
Wednesday

leilani_forevas@hotmail.com

Sent 3/18/03 Tuesday

Lynette Yunis
RR 2 Box 3918
Pahoa, HI 96778

Turtle
"Arthur's"
husband
also hamed

Neighborhood
watch

LORRAINE STARR
RR 2 Box 3901
PAHOA, HI 96778

965-0176

Mark & Nancy Blackwell (907) 452-3296 A FAX

Sent 3/19/03 Wednesday

Alice Nix Rental Agent
RR 2 Box 3913
Pahoa, HI 96778
10AM - 2PM
965-8508

YARD MAN = Drew
Turtle

w Peggy Forges of pond
lots of papaya

How WWW. AlohaKapoho. Com

TR 100 3/19/03 Wednesday

Photo digital by Marc Rice at Chong Pond
Storme Medicine Bear
RR #2 Box 3326
KAPHOA Hi. 96778

Sent

**TELEPHONE AND PAGER NUMBERS FOR
SEA TURTLE STRANDINGS**

OAHU TURTLE STRANDINGS

Monday - Friday, 7am - 4pm **Normal working hours**
National Marine Fisheries Service
Honolulu Laboratory

983-5730 (use this number first)
286-2899 (for urgent backup)
286-4377 (for urgent backup)

Weekends, holidays, and after hours
Univ. Hawaii Manoa-MOP contractors
of the NMFS Honolulu Laboratory

*Pager 288-5685 (use this number first)
286-2899 (for urgent backup)

MAUI TURTLE STRANDINGS

For Kihei (Maalaea to Makena) daily
NOAA Sanctuary personnel in partnership
with the NMFS Honolulu Laboratory

*Pager 278-3775
879-2818 (office phone)

All other Maui areas
Maui Community College - MOP student workers
in partnership with the NMFS Honolulu Laboratory

*Pager 893-3172 (use this number first)
*Pager 893-3050
286-2899 (for urgent backup)

HILO TURTLE STRANDINGS

For the east coast of the Big Island
Univ. Hawaii Hilo-MOP student workers
in partnership with the NMFS Honolulu Laboratory

*Pager 327-7780 (use this number first)
*Pager 327-7794
*Pager 327-7795
286-2899 (for urgent backup)

KOHALA-KONA STRANDINGS

Honokohau to Hawi - west coast of the Big Island
Hawaii Preparatory Academy - Marc Rice and students
in partnership with the NMFS Honolulu Laboratory

881-4200 (special phone line for turtle strandings)
987-6903 (for urgent cases)

KAUAI TURTLE STRANDINGS

DLNR - Division of Aquatic Resources
DLNR - DOCARE

274-3344
274-3521
286-2899 (for urgent cases)

SEA TURTLE LAW ENFORCEMENT RELATED ISSUES

DOCARE State of Hawaii
Enforcement - Oahu
Neighbor Islands

587-0077
Dial "0" for operator and ask for
Enterprise 5469 (toll free).

NOAA - NMFS
Federal Enforcement

541-2727 or
(800) 853-1964

* Phone-back response to a page could take up to 1 hour due to other tasks (including other turtle strandings) being performed by personnel.

- Except for special cases, no turtle strandings will be physically responded to at night (sunset to sunrise) due to personnel safety considerations.

- The size and degree of decomposition of a dead stranded turtle could make it impossible or inappropriate to load and transport to the laboratory for scientific research. For such cases, the carcass will be marked as having been examined and disposal can occur by whatever sources/methods are appropriate by others. (For example, on Oahu the dead animal disposal branch of the C & C Refuse Division).

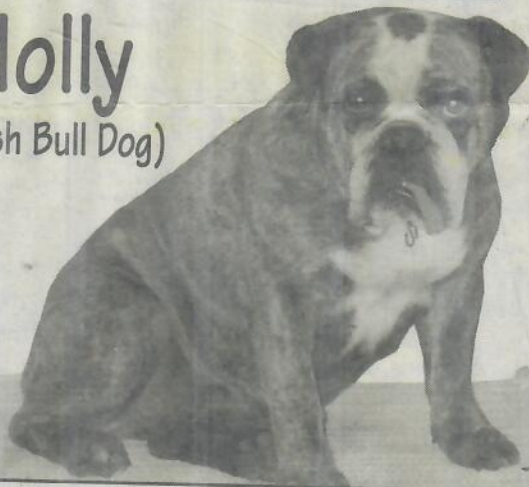
LOST DOG!

Kapoho Beach Lots

REWARD!

Molly

(English Bull Dog)



Call Bill Stearns 965-8473