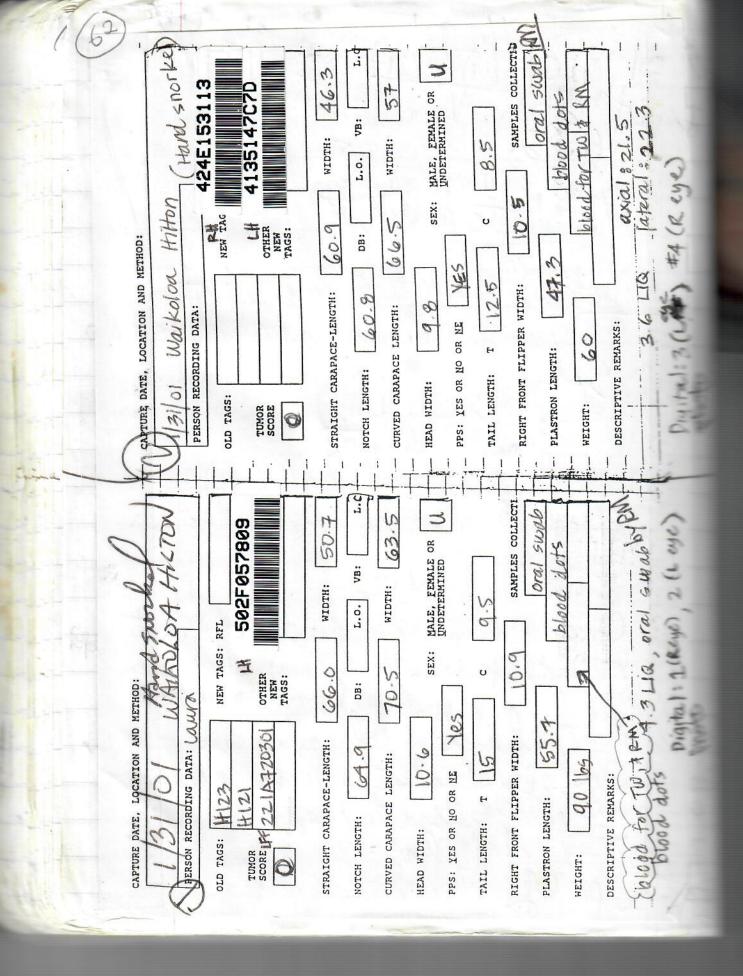
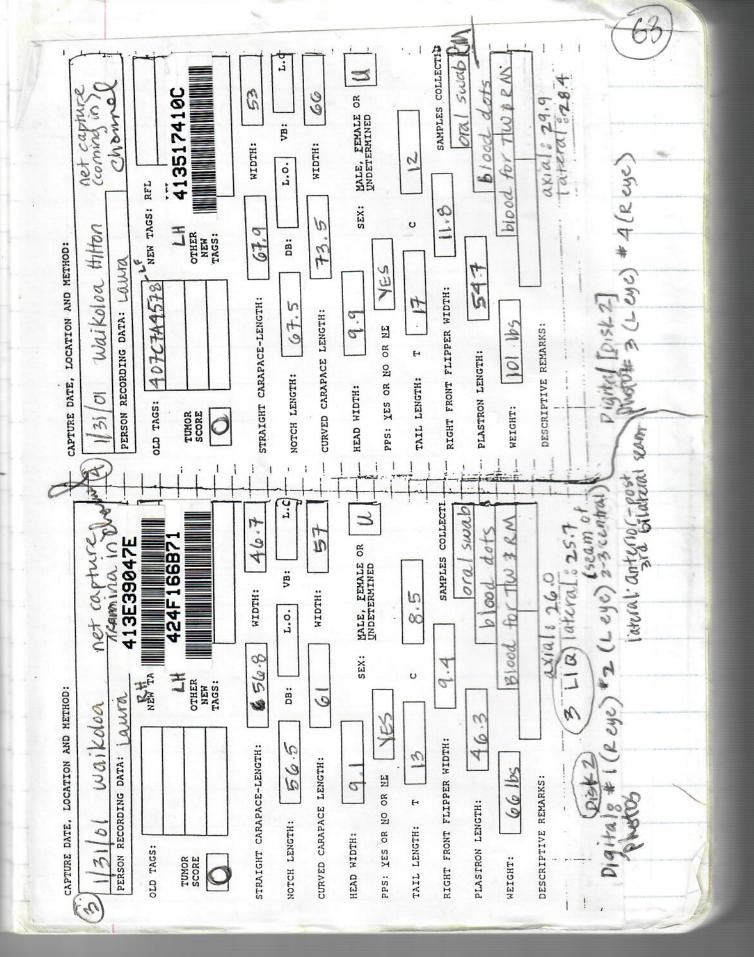


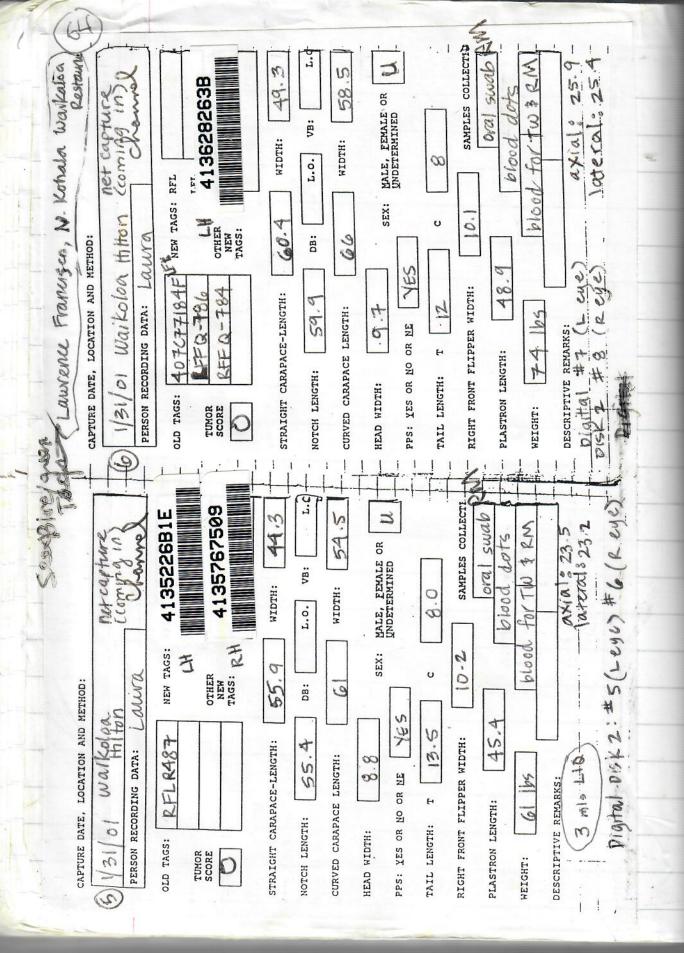
31 JANO WAIKOLOA Wayesday epart 6 15 den Aloha Mikk Brosette Governer Light Objectives: Sample to Compare Contrast
- BayCardition etc. w Kaloko & Kiholod Prako ORAL Swabs (R. Morris 3) Axial Tateral measurements 4) Blood Cultures an Selectef few (RiMorris) 5) CBC (white cell counts), PVC, TP, etc. 6) blood Dots D Motofool for Visual ID B) Collect Algoe in Porpoise Pond-Dophin Quest Potts

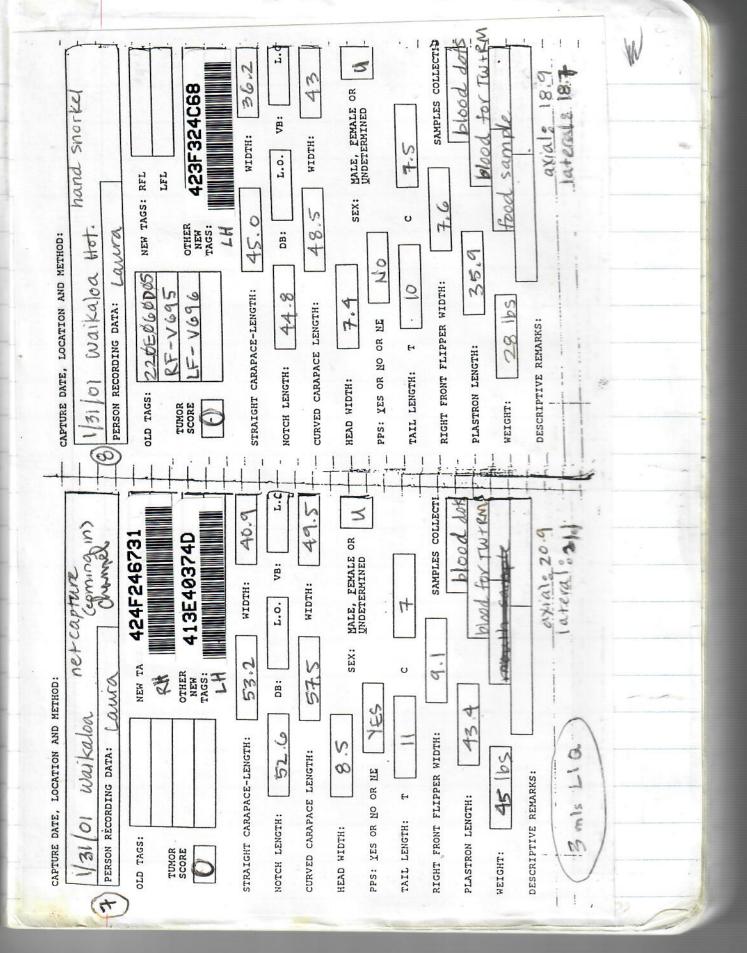
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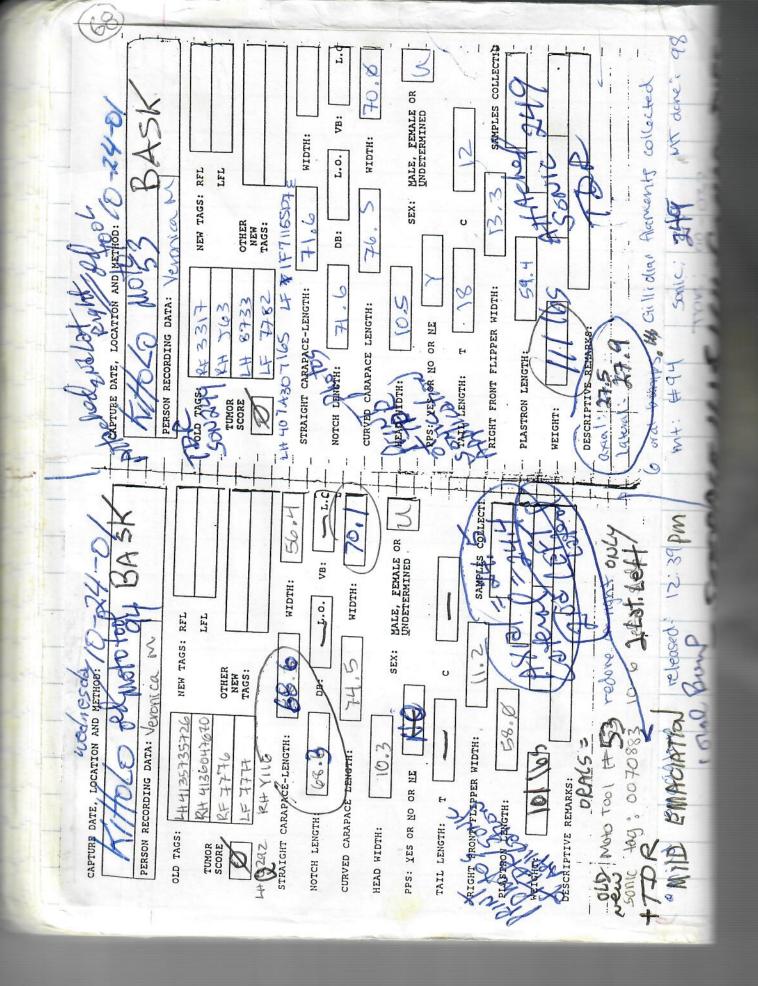


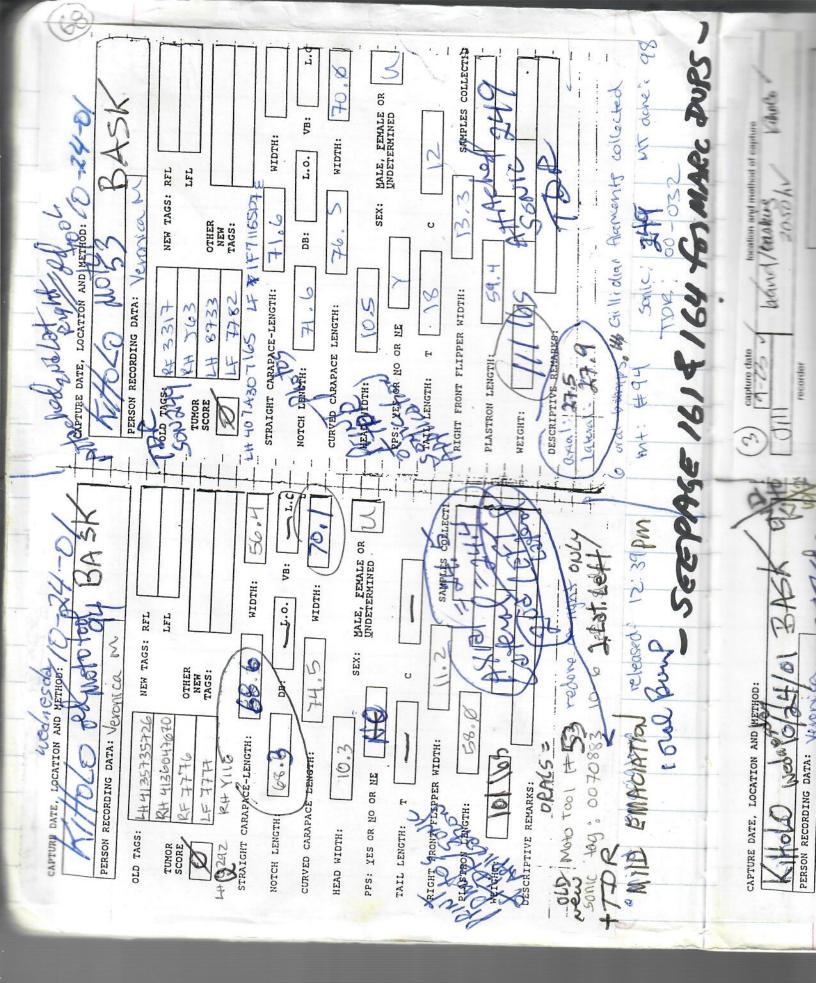


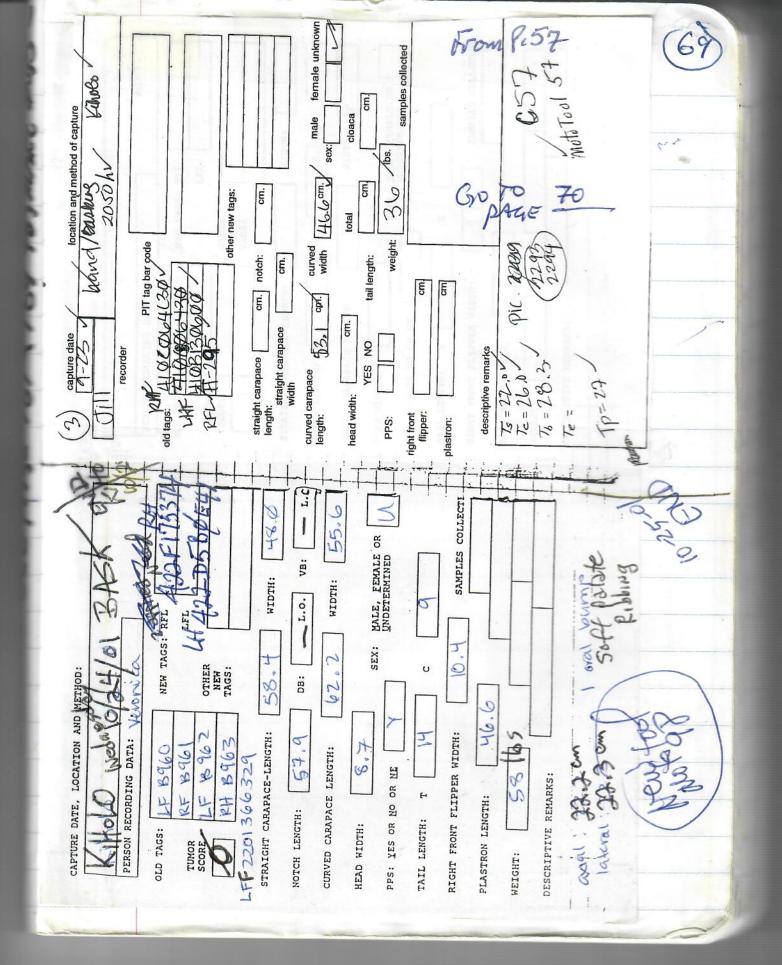


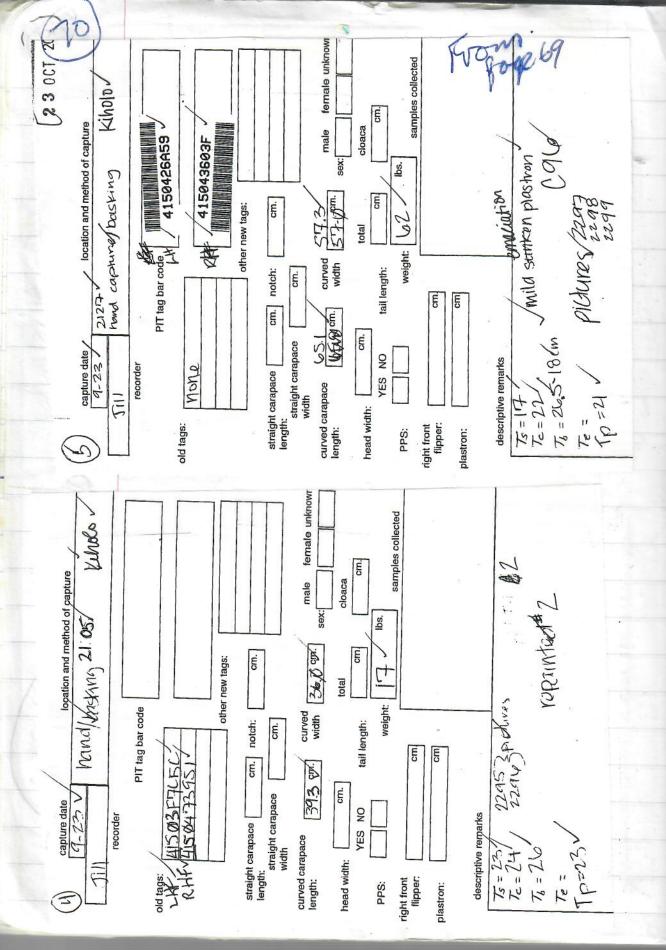
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IVE REMARKS:	
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From P.70 2 3 OCT 2001 capture date location and method of capture 21:48 hr.1 hand capture/bas 415057134C PIT tag bar code old tags; other new tags: straight carapace cm. notch: cm. length: straight carapace cm. width curved carapace curved male female unknown 45.5 cm. length: width cm. head width: total cloaca YES NO cm. tail length: cm. PPS: 20 lbs. weight: samples collected right front flipper: cm. cm plastron: descriptive remarks Ts = 17°C/ mototobled - 97
Tc = 22°C/
Tb = 29.0°C - 18 cm pictures: 2300 2301 2302 Tp=21°C

F

For assistance in the translation of WARTOLOA the turtle grasheet + Mike Bressette; Sinon Chan; Thurningk Veronica Morriss - vmorriss@hpa.edu or cricketzy @hotmail.com Katie Harrington kharrington@hpa.edu emi tokita: etokita@hpa.edu. Jily Quaintance jquaintance Ohpa edu not inlike aiquaintance not quintance Alex DiTulio fishonamish & hotmail com Laura Morgan Morgs 527 @ hotmail.com (available for slave labor) Vanessa Bleecher V bleecher @ hpa. edu peter alson repote 14@ hot meil.com Polson@ hpa, eder Bryan Ruch bruch @ hpa.edu ALLISON FUNDIS afundis@ ecology.coa.edu

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	Apr-26-2000 12:27pm	From-MARAII PRINTING CORP +8350518 T-608 P.001/001 F-873
		HAWAII PRINTING CORPORATION 714 Kanoelehua Avenue Hilo, Hawaii 96720 Telephone (808) 935-0518 Facslimile (808) 935-0518
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r savolut	Date:	4-26-2000 Time: (A.M.) (P.M.)
- Local	4	pages (including this cover letter). EQUESTED: YES NO
Mo	This information is for:	GEORGE H. BALAZS
	Firm: Fax Phone:	983-2902
	MESSAGE:	GEORGE:
		THANK YOU VERY MUCH FOR THE PHOTOS & THE INFORMATION SHEETS
4.19		I'LL PASS ON THE PHOTOS TO THE SCOUTS
161		LOOK FORWARD WITH WORKING TOGETHER AGAIN IN THE NEAR FUTURE. YOU CAN CALL ME ANY TIME AT THE ABOVE NUMBER AND I CAN COORDINATE THE EFFORT.
		манацо,
	FROM:	EDWIN HARA
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troop 23 Michael Iwashita 1.23 BS Snathan Hara Troop 23 Reyn M. Kashiwamura Kerin Higashi W Troop 23 Brandon Nigeda Troop 23 Troop) Sherman Caopua Scoff Saito Jordan Manda ashler Peterson JW Wood HPA sth grade Troop 23 India Emualdico Troop 23 Darren Inaba Louden A totale Tropp 23 Bype nyimalo T100023 Sean Franco JOOP 23 Joson Bugibayash Scoumaster Ronald Takamoto Parent Van Kashrysamurg HOWARD HIGASHT PARENT Assistant Scoutmaster Byron Fajimoto Akemi biatt HPA

- Did + ywe those Shama Sate: Wed, 22 Dec 1999 22:09:23 -1000 to
From: MARC RICE <mrtce@hpa.edu>
Fo: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii
Subject: Re: flight information Gosh, I wonder when or if they are going to make any flights to Midway? guess I better call them and find out when they are going to fly. Anyhow, the day at Kiholo went well. There wasn't a lot of basking activity. only 16 events during the entire day. The majority of the animals were on the south side but there were a couple of animals on the north side that we were able to work on. We captured one that had been out for several hours and had a good record of carapace / substrate and globe for several hours and had a good record of carapace / substrate and globe temps. The other one had just emerged and I thought it worthwhile to get at least one data point for body temp prior to / at the beginning of basking. The two sets of data are below: I'LL FAX THE DATA SHEETS TO YOU FRIDAY.

Not purished no notified give

BASKING TURTLE NUMBER 9 ON 12/22/99 KIHOLO BAY CAPTURED AT 1329 HRS AND RELEASED AT 1338 HRS. PICTURE TAKEN OF LEFT AND RIGHT SIDE OF HEAD. ANIMAL APPEARS ROBUST AND HEALTHY Old Tags: LFF 221062262A LH K435 RH B942 LFL K433 RFL HEALED NOTCH NEW TAG -LH 410C2C680E MEASUREMENTS: CCL= 52 CCW= 46 WT.= 33 LBS CARAPACE TEMP = 32 DEGREES Tb = 30.4 DEGREES (20 CM DEEP) WATER TEMP SURFACE = 24 DEGREES WATER TEMP 3 FEET = 25.4 DEGREES NOT NOT POSC NOMETO GWEN BASKING TURTLE NUMBER 16 ON 12/22/99 KIHOLO BAY CAPTURED AT 1542 HRS AND RELEASED AT 1551 HRS. ANIMAL APPREAS HEALTHY AND ROBUST. LFL V671 RFL V670 OLD TAGS: LH Q750 NEW TAG: (LH 410C010D15 MEASUREMENTS: CCL=51 CCW= 45 WT. = 32 LBS CARAPACE TEMP = 18 DEGREES Tb= 25.9 DEGREES (15 CM DEEP) WATER TEMP SURFACE = 23.9 DEGREES WATER TEMP 3 FEET = 25.4 DEGREES

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CUPED HICKORY

Byron Failmer

Thill

e: Sun, 26 Dec 1999 22:02:03 -1000
.om: marc rice mrice@hpa.edu>
fo: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> Subject: Re: Basking turtle No. 9 etc No. 9 was my reference number and not the moto tool number -- this turtle No. 16 had old tag in LFL 41037B4466. Again, I hope the database will show that this tag belongs in that flipper! THE. In both cases the new tags were placed in the LH. I didn't get around to faxing the data sheets on Friday so will get to it Let me know if there are other questions / errors in the data I sent. Let me know if there are other questions / errors in the data I sent.

Received you information on the misreading of tags and proper placemen the tags and will comply. Sorry about the reading or lack thereof. While we still have a lot of animals with metal tags on, we could double check the presence of PIT tags if we could bring the data base with us on trip where the environment would not preclude use of a computer. I suppose a printed list would be useful if the computer idea didn't pan out. I would be willing to bring along one of ours at any time. just email me a list of the tag numbers and I can put it into a searchable excel document. This may keep us from double tagging. So do you think we can try for Feb 12 to 19th for the Midway trip? Aloha, Marc At 05:37 PM 12/26/99 -1000, you wrote: >Marc, was looking back over the email you sent me 22 Dec. >By no. 9 do you mean Mototool 9, one we previously scoop netted? you sindicate putting in a new pit in the LHF. But if that's mototool 9 we would have done that at scoop net time, which indicates it's lost already? (or didn't read when you tried to read it). >The other one, No. 16 (mototool 16?), you have written old pit LH, and >new pit LH. Could you double check notes on that, Mahalo. >Your email said you would fax data sheets on Friday, but nothing showed >up here, maybe you mailed instead and of course that's fine. Aloha, George

Got back from Kiholo around 1600 last night after a successful trip.

Were that were a number of turtles that carried out very long basks. There were that were out as I arrived (0745) and remaind there after I left one. All three had been out for extended periods and were nice and warm.

I'll be anxious to hear if we missed any pit tags on these three. I did working on some of this data now and see what it tells us. I think I will begin Marc. R 7:08am S 5:59pm R 12:26an S 12:51pn AM H 9:34 1.5 PM H 11:59 1.4 Date: Thu, 30 Dec 1999 13:24:21 -1000 From: Marc Rice <mrice@hpa.edu> To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> Subject: Re: Forwarded mail.... HAWAII PREPARATORY ACAI 65-1692 KOHALA MOUNTAIN RO KAMUELA, HAWAII 96743-847 (808) 885-7321 FAX (808) 881-4003 FAX TRANSMITTAL Please advise if there are any problems with transmittal. George Balgas Company/ School: __NMFS FAX Number: 808-983-2902 Number of Pages (including this cover sheet): Message: George -

Here is the data for the three tentles we did

yesterday - MT #2, New MT #55 & MT# 45

I got some got data on bashing animals and These 3

were out for 4:20, 5:42 & 8:39 [Hrs: mins]

New Tago. Deep Body Temp. 01d Thas's RH: 4150473951 12/29/99

MANUE LH: 41503F7C5C

Meand at 1524 captured at 1516

To= 31.9 at 18cm. Caropaer Temp =

CCW= 37,5 ece= 41

Head Phots: Nowe Motor= 2

mild emaciation weight: 14 165.

> 28 1612 hours Congres sut 3

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Any 1524 #15 (cas 14) Aux 1516 - 44 4

Peter Anim 15 of \$17 contison (small than 12) S 16 countient Netw Ann 1527

Kine 1965 #18 could not faming X M-617-0051

bb beje,

to the to the #9 old tags: LA. V678

RFL V677 No pit ty End

Caphad at: 1532 relevad at 1548

Washington 1582 relevad at 1548

Washington 1582 relevad at 1548

Tb = 33,3 at 18 cm. medigat: 20 lbs.

4108791664 Moto tool #55

Cew= 40.5

Head plato: 2 taken

CC 8 = 45

12/29/99 to the #2

old tage: LH 4150441353 LFN728 RF N727 Cuphred at 1554 carapace femp = 34

LFL 4104034BJF LH RYGO

substrate: 30

Tb = 30,6 A 18 cm. vergue: 47

Head photos none CC6 = 60

Ccw = 53,5

くなら

Ketie Harrington, 10:16 PM 11/9/99 , <no subject>



K-Mailer: Microsoft Outlook Express for Macintosh - 4.01 (295)
Date: Tue, 09 Nov 1999 22:16:01 -0800
Subject: <no subject>
From: "Katie Harrington" <kharrington@hpa.edu>
To: Marc Rice <mrice@hpa.edu>

All done! I watched all the tapes and made the spreadsheet and chart. I used your tide measurements from the pond_count_11=1-2.xls you sent me. The turtles from 5:02 to 7:03 are all from only the data book. Otherwise I used the tape times rather than the data book times. I have the data book, so don't worry. Talked to the Watsons. They'll give me a ride as you know. We'll see about the food tomorrow after we talk to to the kitchen crew. The other problem is for how many people we need to plan for since you won't get any replies from students until tomorrow, after we've packed. How much food did you want to bring along otherwise? Were we going to buy something at the shopping center for dinner? While I have yet to find the Frobishers, I managed to talk to Ms. Hindle, but she can't come. She did mention that many of the new teachers in the Middle School might be interested in going, it's your call. I think she mentioned Ms. Shay and a few others, but I can't remember any of their names. Finally, where do you want me to leave the video stuff like the monitor after we pack up since it goes in the truck? Okay, I'm done. I think that covers it. Have a nice day in Honolulu. Here's all the stuff from my project:

I counted the total number of numbered turtles, which equaled 27 of 53 turtles going out (including the one we couldn't read) - 50.94% of the turtles leaving and 25 of 52 turtles going in - 48.08 % of turtles entering. This includes all repeats. NN stands for no number. and #9 means we couldn't read the specific number, but it had one.

Here's a bit of a list of the numbered turtles in the spreadsheet and data book from 11/2:

Turtles that entered/left the pond: 1 5 6 7 8 9 10 11 12 13 14 15 16 18 19 20 22 23 24 26 27 28 29 30 32 33 39 40 41 42 43 44 45

Turtles that left and returned later (11/2): 1 6 7 9 12 14 20 24 26 27 28 30 32 39 43 44 45

Turtles not observed entering/leaving pond, but seen: 2 17 31 36

Turtles observed basking (lagoon): 31 44 2 19

Turtles never seen: 3 4 21 25 34 35 37 38

Note that 2, 3, and 4 were numbers on turtles we did not use in the pond study as they had been seen in the area before.

ïf¿Katieïf¿

Something humorous too:

A murderer, sitting in the electric chair, was about to be executed.

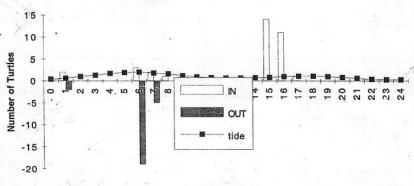
"Have you any last requests? asked the chaplain.

"Yes," replied the murderer. A "Will you hold my hand?"

Attachment Converted: "c:\eudora\attach\Pond Count 111-2.xls"

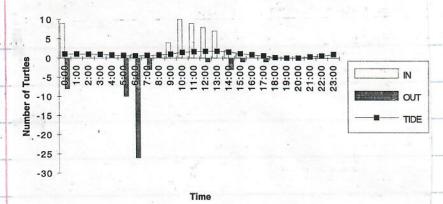
Attachment Converted: "c:\eudora\attach\111-2 Pond Count Chart.xlc"

FIGURE 1. 24 hour count of turtles moving in and out of awai at Kiholo Anchialine Pond on October 12 and 13.



Time (hours)

Figure 2. 24 hour count of turtles moving in and out of awai at Kiholo Mixohaline Pond on Nov 1 and 2.



Date: Sat, 13 Nov 1999 09:07:48 -1000 From: Marc Rice <mrice@hpa.edu> To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> Subject: Re: Abstract

George,

The trip went well and we got another 24 hours window on the awai. There were far fewer animals on this trip, but we haven't looked at the video yet so can't say what the total count was. We did a night snorkel in the lagoon and got a count of 112 turtles on the north side and 10 turtles on the south side. a number of the numbered turtles were observed. There were 6 or eight animals basking on the shores as late at 2100 hours that

We also were able to Kayak the mixo pond just to see what it was like is quite shallow and, as you know, almost totally covered with a thick layer of coze. There were 14 or so turtles in the two areas of the pond that we observed - one (#13) was out of the water and dry, basking in the back pond area. We observed several turtles sitting on the bottom in the muck, pretty much covered by the silt. there is a 10 inch layer of fresh water 21-22 degrees on top which is clear and then the warm (I assume) saline waters are below (very murky). We propose to measure the salinity and temperature the next time we are down there. So, some of the turtles are laying in the warmer water but there are still a lot of them that just lay along the edges of the pond in the cooler fresh water. There were 5 turtles feeding in the area near the campsite. We collected the greed turf algae that is growing on the rock. There was one larger animal in the reeds apparently feeding. When we walked overthere after the tide went down, we found numerous freshly chopped reeds. seems that the turtle was

We didn't get to do much on the basking side. We did monitor the night baskers at 2000 hours on Thursday night before the snorkel and we got a 1700 hours count of baskers on Friday - There were 23 turtles out of the water at that time! The locations were noted and will be mapped.

When we get some more info from the tapes I will report more.

At 05:00 PM 11/12/99 -1000, you wrote:

>Marc, I hope your time at Kiholo went well. I'm faxing you comments back on what you gave me back from Katie. I've decided that we shouldn't talk on Monday (the three of us). Also, it's my view that the proceedings' >abstract for this project should be kept to a short one, one page or less. Also, let's talk again about student projects, future ones I mean, about >one or the other of us always being the lead author for any paper going to the Sea Turtle Symposium. I think that would make things easier all >around, the student would still get significant experience and >involvement, and also the writing would be at our immediate discretion and >control, between the two of us. I think I can live a lot easier and >happier with such an arrangement. The flow chart would still hold and be >useful. Aloha, George

Marc R. Rice

Date: Wed, 08 Dec 1999 08:07:20 -1000

From: Marc Rice <mrice@hpa.edu>

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

Subject: Re: 15th

Yes, we could do that using a kayak or swimming around in the pond. We did find that once we get into the water, it mixes the cool fresh water surface layer and the warm saline subsurface layer... working from the Kayak seemed to be the least disturbing to the water colume.

Some pond data from 11/22: Pond 1: surface salinity surface salinity 5 ppt

subsurface salinity (3 ft. deep) 33ppt

surface temp 22.5 C bottom temp 26 C

Pond 2: surface salinity 0 ppt

subsurface salinity (3.5') 20 ppt

surface temp 22.7 C bottom temp 26 C

At 07:33 AM 12/8/99 -1000, you wrote: >sounds good, I suppose also we should get some temperature reading on the >ponds (in addition to the loggers) for that very day when we first >arrive. Mahalo! Geo.

>On Tue, 7 Dec 1999, Marc Rice wrote:

>> Thoughts about sampling protocol and timing:

Pond Turtles:

>> Purpose: Determine the internal body temperatures of animals that have >> spent the night in the mixohaline ponds at Kiholo. >>

1. capture turtles who are exiting after a night in the pond 2.

take full set of measurements? in addition to internal body temp

3. release animals

4. do five animals

Basking Turtles:

Purpose: Determine the maximum internal body temperature attained by turtles that have been basking in the sun for know periods of time.

capture turtles that have been out basking for at least one hour??

try to get some that have been basking for longer periodsparticularly during the hottest part of the day.

internal body temp, measure, identify (moto tool?), release 3.

>> do five animals

record corresponding substrate, carapace and black ball temps at >> of capture for later comparison.

Date: Wed, 08 Dec 1999 21:49:48 -1000 From: marc rice <mrice@hpa.edu>

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

Subject: Re: Biological inventories workshop (fwd)

George,

>> >>

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>> >>

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>>

Thanks for including me in the message about the inventories. it all works out. Did you get the image of kiholo in you noaa account? I hope th think the second time it went through. I didn't send the pictures of the ponds yet, but will do so tomorrow. When we are able to get a more vertical picture of the lagoon, I will put the thing into ArcView and get it GeoRectified so that we can begin to plot usage of the area by basking turtles in that program.

We are also discussing the possibility of creating an image map of the lagoon so that anyone looking at the image on the internet can click on a particular locations and Zoom in to find text data, graphic data and (if it is an authorized observer) enter data on the presence of a basker or some other information. I know this sounds a little bazaar, but I will try and explain it too you more when we are together. I am very excited about the possibility of linking this to the webcam project. I think it would be a great plus for NMFS, HPA and, of course, us. I am excited about the possibilities and hope that we have time to discuss them some time soon. I have a feeling that we will be quite busy on the 15th but soon after that maybe.

All of this is very transferrable to the Kaloko site... something that I am really excited about also. More soon

Post Office Box 265 Alderpoint, CA 95511-0265

Frederick Potter, Jr. Post Office Box 265 Alderpoint, CA 95511

Down Mr. Baldes,

A very beloted thank you for all the green twite information you sent me last June! What I wealth of information that is. I've shared it with several people, but no one was more interested than my father, who grew up in the Honolula Aquarum @ Waikiki. (I believe I wentioned during our brief conversation that my grandfather was currator from the Early 1900's until his retirement about 1940.)

Your son, which I did and snapped this Enclosed Photo with a poor, disposable camera

Photo with a poor, disposable camera.

Thank you for the information and for all your Work over all those years including passing along your interest to students. There is hope for MIM

Melekalikinska — Rule Folle.

Date: Mon, 17 Jan 2000 08:28:48 -1000 From: Marc Rice <mrice@hpa.edu>

To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> Subject: Re: Kona Coast SeaTurtle WebCams led who to

George.

Well, we made it back from Kiholo around 1600 yesterday. The trip went well and we got most (but not all) of the data we wanted. We were able to capture 5 turtles exiting the mixo pond Sunday morning early and got the internal temperatures. Four of the five were already numbered. All of the temps on those turtles hovered between 21 and 22 except one which was out around 0900 which was 22+.

We did two more internal temps on daytime baskers but our efforts were limited by the large number of visitors that were in the area. We only captured and measured when there was no one watching. I will forward the data to you. When we were out on the first day, I was stupid and left the databook at camp so I couldn't remember what moto tool Number we were on. So, I put 60 on the first one because I know we didn't have that one yet. As it turns our, the next number was supposed to be 56 so I did 56 and 57 next (total of three new numbers) That means that next time I/we will need to do numbers 58 and 59 to get back into the proposer section.

next (total of three new numbers) That means that next time I/we will need to do numbers 58 and 59 to get back into the propoer sequence. Sorry.

We did try to do some night baskers on Saturday night. I did not do the on Friday because there were campers in the area. We had 4 animals that were still out at 2000 hours but all but one of them (our old friend #2) went back in when they saw our lights (at least that is my interpretation. two of them were on the other side of the lagoon (south) while we were walking on the north side and they immediately went back in... I really wanted them! So, my night vision scope is in the forefront of my mind. we did get a Tb on #2, at 2020 hours which was around 25.4 degrees (environmental and substrate temps were both 19 degrees. There seems to be a long lag period as the body temp slowly decreases to surrounding temp... My suspicion is that these animals come out and warm up and remain out even when the outside temp drops because of their internal thermal inertia. i.e., they lose heat less rapidly out of the water that they would in it??? How do I prove that one?

Also, I have yet to witness/observe any basking turtle that came out at night. they are all out during the day and extend their stay into the night or the tide exposes them while they were laying in shallow water at night.

Ok, I will prepare the data to fax to you.

The webcam stuff really sounds great... critter cam... yes, why not (perhaps we can finally find that hidden cave where all the Kiholo turtles hide).

At 11:28 AM 1/16/00 -1000, you wrote:

>Greetings- Just to confirm with all of you that our agency's 30 day >travel order expiration time-line has now passed, so the air tickets for >our travel had to be returned. That's ok though, things like this are >bound to happen in any fledgling project. When the gear from Nokia is >in-hand, let me know and we'll start over in planning the field >work/obtaining the travel authorization.

>In the meantime, as I mentioned to Steve in a phone call on Friday, I want >you-all to know I've been in contact recently with a Daniel Zatz. Daniel

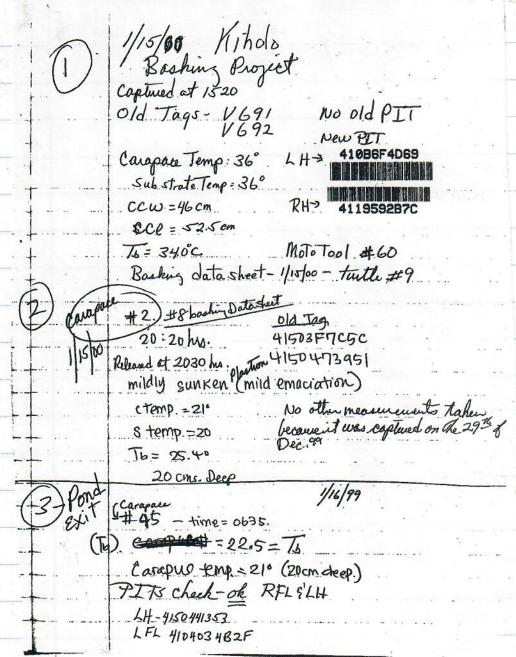




HAWAII PREPARATORY ACADEMY 65-1692 KOHALA MOUNTAIN ROAD KAMUELA, HAWAII 96743-8476 (808) 885-7321 FAX (808) 881-4003

Please advise if there are any problems with transmittal. Ask for Administration Office.

From: Marc Rice		(**) #:	
Date: 1/17/99			
			**
To: George Balazs Company/ School: NMF-5		100	
Company/ School: NMF-5			
FAX Number: _805 - 983 - 2902			
Number of Pages (including this cover sheet):			
Message: Data Sheets for 8 Kiholo - 1/18/00 to 1/16/00	tentles a	+	
NINOIS - 1/18/00 To 1/16/00			



1/16/00

4#21 = 0714. (time.) Tb = 218° (15 cm.). Carapace Temp 210 UT. 27465 -CCL-47.55 47.5 CCW= 41.4

LH - 4108784771 LFL- 221 \$60256

Robust Looking.

LH- 4104157F35 RH= 413621044F WT = 27/65-

Tb=21.5° ctemp.=210 time = 6:41

corapus=2ne

· CCL = 48

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1/16/00

wt = 45

CCL = 56

LH = 41363E4E00 LF. = 1F430F1A76

CCW=50 OLD TAGS= H64, N695, N694.

Moto tool # 56 1/16/00 canop ace temp = 26. OID TAGS Tb = 22.4° wt = 32 Tb = 22.4° LFL-4104124A74 40774C492D + LH CCL= 49.5 Q755, Q756, Q757 Scw = 44 Captured 0848 hrs. Released 0908 OLD TAGS = RFL : H-295 , H-294 *No old Pi+ Tb = 1842 25 (20 cm deep) PIT TAGIS wt = 35 4108130600 cc.l = 53.5, ccw = 47 captured: 1051 Released: 1100

Hawaii Tribure-Harald

Millionaire Bakken wants the state to approve land swap

By Dave Smith Tribune-Herald

Earl Bakken is asking the state to approve a land swap to allow him to expand his estate at Kiholo Bay.

Bakken, a philanthropist who has given millions of dollars to North Hawaii Community Hospital, last year spent nearly \$2.7 million to buy a house and three acres of land formerly owned by country singer Loretta Lynn that fronts the beach near the south end of Kiholo Bay in North Kona



BAKKEN

Bakken wants to trade the property for a nine-acre portion of state land located directly behind his oceanfront estate. The addition of the state land would provide a "buffer" around Bakken's existing property, which contains landscaped grounds, a 13,000-square-foot home and other amenities:

Bakken's existing parcel, which is three acres in size with 700 feet of shoreline frontage, is one of eight privately owned, similar-sized

> See BAKKEN, Page 10

door neighbor further apslepe to the other side of the nine acre parcer.

owning the former Lynn parcel could be a benefit to the state as it would not state as i and road access for recreational purposes. The environmental study said the state would also have control over anchialine ponds, lava tubes and other sensitive ecosystems found on the Lynn property.

Currently, the shore at Kiholo Bay, which is located makai of the 79and 80-mile markers on the Queen Kaahumanu Highway, is used "infor-mally" by the public for recreation including camping, the study said. However, access by vehicles over the road leading nearly a mile down to the beach is controlled by residents

through locking gates. Because of a lack of public facilities at Kiholo Bay, problems with trash and human waste are common. in the area, the study said. Bakken's planners said a possible use of the Lynn property could be the development of restrooms for use by beach-goers. They said the state also should consider leasing the property to a nonprofit group that could act as carctakers for the public lands;

However, state officials have already expressed concerns over the use of the property.

In a letter accompanying the study, officials from the Big Island land office of the Department of Land

that overe and Natural Resources said they cuming have no qualms about the swap in general but object to the acquisition of the Bakken. Lynn home. They said the DENR are foot lacks the money and personal to maintain it or existing easements the maintain it or existing easements thing, and suggested another state agency pre-could manage the property.

Ref. The swap will require the approval

of the state Board of Land and Natting accessite as round, augument unit Resources as well as the state Legour neighbor further apsirops as states. Bakken also must obtain a
e other side of the mine acre parce? ** permit for use of the state land, which
Bakken's representatives say that is in a state conservation zone. Coun-

> while he is not yet familiar with the details of Bakken's proposal, he believes it could have merit.

> "It would be a very positive move to establish some kind of state presence down there," Kokubun said. But the bottom line is can we afford

> While a Bakken-commissioned survey identified a number of archeological sites on the state parcel, that is not the case for the Lynn property, most of which was buildozed in the 1970s...

> Bakken proposes to protect existing archaeological features found on the state land, which consist most-ly of C-shaped rock structures, and to preserve any other historic sites that may be discovered during development.

> According to Ron Terry, the consultant who prepared an environmental assessment of the proposal, there are no caves, water features or Hawaiian burial sites located on the

Bakken is proposing an even swap for the two properties even though the Lynn property cost nearly \$2.7 million and the parcel of state land was appraised at "considerably less than \$1 million."



tbclose.JPG

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Location		Date	TIME CAPTURED: 15:36
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	and it is	enclosed-	
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2 min	39°C	40°C
3min	39°C	39°C

Location Date TIME CAPTURED: 18:51 Kiholo lagoon TIME RELEASED: 19:13 Old Tags: New Tags: LFL 221 A 58627F K406 LFL RFL K407 RFL LH K408 LH 410B530742 RH 8970 RH WEIGHT: 56 lbs. S5 cm BLACK BULB: CCL 5UBSTRATE TEMP: CARAPACE TEMP: 20°C SPECIAL IDENTIFYING MARKS: COMMENTS: TB-29.5°C-25cm. deep. Motofootled-#59

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DEEP BODY TEMPERATURE OF TURTLES ENTERING THE MIXOHALINE
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DEEP BODY TEMPERATURES OF TURTLES BASKING IN SUN (degrees C)

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(0C)

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Baksers 26 30.5 30.5 29.4 26.9 25.9 27 25.9 31.9 33.3 34. 24.8

Average Tb = 29.4 0C

Average weight of Baskers = 41.3 0C

Surface Water Temperature - 21-22 0C Water Temperature (3' deep)- 24-25 0C

TO MEASURED AFTER DARK

Only one turtle's Tb has been measured after dark. More to come....!!! Turtle with carapace #2 (the one we did with Causey) was measured at 2020 hours and had a Tb = 25.4 0C (substrate temp was 19 0C and carapace temp Only one turtle's Tb has been measured after dark. was 21 0C) Basking episode durations (N=35). Minimum basking interval is 10 min and the animal must have actively crawled at least 1/2 out of the water. Basking that results from tidal drop was not counted. Only basking episodes that appeared to terminate naturally were counted.

Natural Basking duration

Minutes Hours

99 10

22

36

2

S412312 4121 1152588 7 T

T

RANGE = 10 MIN TO 11 + HOURS

Average basking episode = 2.7 hours

DANIEL Zatz, Danny Marc, George/ Howhother and bittozo FEBRUARY 2000 AM L 10:54 0.2 PM L 9:12 -.1 AM L 11:21 0.2 PM L 9:49 0.0 AM L 11:49 0.1 PM L 10:28 0.0 NEW MKY TO MARC = #00-032 TO Coggers selfor thour for to hold to the Marc = # 266016 &# 1440 >0 INTO LOND 2-15-00 Chense Toyota Blue 4WD Pick up truck = HWG 047 roperty?
Lo Vight Gillvetter Regarted by
Bruce Hogel Kailing Tennis Class
262-2057

See cover LoggERS 429 (South basking beach-buried under those 2 long where twices harlout 44072 #266016 Pond 2

5 LOGGORS GWON TO MARC RICE 2-16-99

144071 Small 1.5"PVC

26/9/00 Powe 261374 Z" PVC

26/9/00 Powe 29551

2" Sacle 128 6/24/00#14072 2" Sacle 128 6/24/00#1

Supare 102



no68_neck_lump.jpg



no68emaciated.jpg

102 8 Turthes pears Flease advise if there are any problems with transmittal. Ask for Administration Office HAWAII PREPARATORY ACADEMY 65-1692 KOHALA MOUNTAIN ROAD KAMUSIA, HAWAU 96743-8476 (808) 885-7321 Martin Grenge Cale FAX (808) 882-4003 808-783-2902 Number of Pages (including this cover sheet); Company / School FAX Number: From: Message: Ö TIME CAPTURED: JUS TIME RELEASED: /2/7 BLACK BULB: Twith was wety on 1 ocw 50 siture taken -RH 410A79723C swollen left neck-shoulder region 410BECE303 Date 7/15/00 SUBSTRATE TEMP: New Tags: OCT 55.6 24.9°-water temp. 23.5°- surface water temp-Screre emaciation -LFL RFL SPECIAL IDENTIFYING MARKS: 202 Grante ally Hrea A Chroon CARAPACE TEMP: NOWE WEIGHT: 75 COMMENTS: Old Tags: LFL RFL LH RH

TIME CAPTURED: 164/2 TIME RELEASED: 1657 BLACK BULB: release-1657 (ap 16.42 ccwAl SUBSTRATE TEMP: Date 1/31/00 New Tags: COMMENTS: 16 30.9 20cm OCT 45 LFL RFL MARC+Stodents and RH CARAPACE TEMP: 34° SUI
Shade Syde 29°
SPECIAL IDENTIFYING MARKS: Carepace #62 Robust, Healthy-Location Kithole (Lagoon)
the Kithole hidden caupe LA 221 ASB 7165 medal-18-93 RFL B-432 WEIGHT: 25 и В-933 RH B-934 Old Tags: TIME RELEASED: 4,39 TIME CAPTURED: 4.19 BLACK BULB: locw 43 4119515773 410B6C447F SUBSTRATE TEMP: 00/18/11 Carapace # 16/ Robust healthy / Biter = ach New Tags: ES 700 LFL RFL WARC + SMart on a RH LH Location Kitholo #310 Map (23900) SPECIAL IDENTIFYING MARKS: CARAPACE TEMP: 36° T6= 32.4° Shade side 31 WEIGHT: 35 COMMENTS: Old Tags: LFL RFL

10t

ITME RELEASED! 7:24 Location Logar Seals. Old Tags: LET 221 Old ZCL2A REL PRANCE LET REL PRANCE CARAPACE TEMP: SPECIAL IDENTIFYING MARKS: COMMENTS: To 20.9 New Tags: LH 2-425 LH 2-425 LH 2-425 LH 2-425 LH 2-425 LH 2-425 A1022L08QE RH WEIGHT: 25 CARAPACE TEMP: SPECIAL IDENTIFYING MARKS: COMMENTS: To 20.9 N		CAGOON Date 1/21 TIME CAPTURED: PRING	MARC + START OF	Jon by	ומ
LFL 10 10 10 10 10 10 10 1	Map # 22. Old Tags:		Location lesson	Date 00	TIME CAPTURED 2 CAPTURED 2
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CCL MANYABLE CCW44 SUBSTRATE TEMP: SUBSTRATE TEMP: SMARKS: MONO # 63 COMMENTS: COMMENTS: RH B-442 RH B-442 RH B-442 RH WEIGHT: 25 CARAPACE TEMP: 27 Placy-vo-28 SUBSTRATE TEMP: SPECIAL IDENTIFYING MARKS: COMMENTS: COMMENTS: RH WHO # 63	RH	4114054202	14 K-435 410/2(1080)E	Н	
S SUBSTRATE TEMP: 3 MARKS: Moto # 63 COMMENTS: WEIGHT: 25 CARAPACE TEMP: 27 Plassyon 28 SPECIAL IDENTIFYING MARKS: COMMENTS: COMMENTS: Moto # 65	30	1. M. S. 17.44 5 CCW 44	RH B-042	жн	
SMARKS: CARÂPACE TEMP: 27 PluSANOA 28 SUBSTRATE TEMP: SPECIAL IDENTIFYING MARKS: COMMENTS: To 20.9 Moto	1	BLACK BULB:		A 52	ccw45
moto # 65 comments: To 20.9	SPECIAL IDENTIFYING MAR		CARAPACE TEMP: 27 Plostron 28	SUBSTRATE TEMP	
COMMENTS: To 29.9	COMMENTS:	moto # 63	SPECIAL IDENTIFYING MARK	ų Š	
	16 555 W Rie SAYS				moto #44 nad

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TIME RELEASED: 20:36 TIME CAPTURED: 20.34 Moto 460 BLACK BULB: CCW CARAPACE TEMP. CARAPATE TEMP. 2 MARCH STOBUTE ONLY NIGHT BOOK DATE New Tags: RFL LFL RH SPECIAL IDENTIFYING MARKS: SC 16-21° Location NY9 WF Book Hilpolo, South shope Old Tags: LAGOON RH 411959287L LH 41086F4D69 COMMENTS: WEIGHT: RFL LFL TIME RELEASED: 20;2 TIME CAPTURED: 20'O BLACK BULB: Sow los Muto# 65 4108552861 RH 4061630237 CARAPACE TEMP: WANT SUBSTRATE TEMP: Location CAGBON Bate Kiholo Boahn New Tags: LFL RFL SPECIAL IDENTIFYING MARKS: COMMENTS: Span wand on the righter Old Tags: MIML WEIGHT: S.A. LH. LFL RFL RH

TIME CAPTURED: 2130 TIME RELEASED: 2140						CCW	IMP: BLACK BULB:			
ent only Date	New Tags:	LFL	RFL	н	RH	CCL	SUBSTRATE TEMP:	ARKS:		
Location ARC + Stilent only LAGOON Bate Date	Old Tags:	LE 1F6F230946	RFL	LH 4017363843	кн		CARAPACE TEMP:	SPECIAL IDENTIFYING MARKS:	COMMENTS: 4º	Carapace # - 19
TIME CAPTURED: TIME RELEASED: 21:22		- Marie Carlos Anna				ccw 62	BLACK BULB:			
ant an	New Tags:	LFL	RFL	LH 410C223150	RH	ω 69 ₁₀₀	SUBSTRATE TEMP:	KS:	26.	
MAR. Shire		LE 1F70555646	Q758 (L3-4) RFL			WEIGHT: 75 lbs CC	CARAPACE TEMP: 26"	SPECIAL IDENTIFYING MARKS:	COMMENTS: TP \$ 28.92	moto tool 4th

MARC 1000 Murbory Deport 1115 Am KONA Aloho (A/L): Riched up at the airport by Osha Davidson, and I 4 year old doughter Sea ANA Nife and 5 year old Son at hold. Droveito Kiholo- Parkel wat defore Mike Martier 81 and walked in 20 mm. Trail Anded night at M. Howds, Ford property (Paul Mitchelles Now I Walked along shoreline of boy - 15-20 sun twittes froging Vin very sholls burter, No fear Saw "32" mototool in profil convection between 1stand 2Nd Saw without "26" and "13" among the 15-20, Saw "45" booking an rocho Renninsula 3 pm. Saw "57"/ bosking an doeside at 23 opm. top of Osha; 82 George; besters; and Scama with the foreging in the tackgrounds Hoted out to glogoon, but not out 5-6 Lasking at South Beach & cotchy Hen

2 Loggers sot I how 266016 141070 114070 114070 HoroKelver ow webcom.

Revolvery De Something in water they don't wait to be with ?
New Dewise 1.

> Biennial Conference on the Biology of Marine Mammals

Date: Wed, 2 Feb 2000 07:58:21 -1000 From: Lisa Choquette sa@divemakai.com>

To: George Balazs <gbalazs@honlab.nmfs.hawaii.edu>

Subject: Fw: Miss Piggy!

[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]

Save it all in my special TURTLES file! Here it is!

Aloha, Tom Shockley & Lisa Choquette Dive Makai Charters-(808)-329-2025 (ph/FAX) E-Mail:dmakai@divemakai.com http://www.divemakai.com/ P.O. Box 2955 Kailua-Kona, HI 96745

----Original Message----From: Lisa Choquette <lisa@divemakai.com> To: Marc Rice <mrice@hpa.edu>; George Balazs <gbalazs@honlab.nmfs.hawaii.edu> Date: Tuesday, January 11, 2000 9:00 AM Subject: Miss Piggy!

>Happy New Year, You 2!

USING A REMOTE TELEVISION CAMERA FOR LONG-

FERM OBSERVATIONS OF STELLER SEA LION

ACTIVITY ON CHISWELL ISLAND, AK

Dunlap-Harding, W.S.¹, Burkanov, V.N.², Calkins, D.G.², Castellini, M.A.², Zatz, D.³

(1) University of Alaska Fairbanks, Fairbanks, AK 99775 First Author Address: P.O. Box 1329, Seward, AK, 99664, USA

Alaska SeaLife Center, Seward, AK 99664

35

>One of my best Christmas presents was a visit from Miss Pig on 12/22->looking hale & hearty! Unfortunately, I didn't have a measuring tape with >me, so I couldn't measure her. She's getting BIG!

>Do NOT ask me how I know, but we were off Pine Trees, on the drop, & I >looked & saw this turtle swimming along the drop - oh- 60-70 feet away! >don't know how I knew it was her- but I did! & she knew it was me. >rushed to each other & had a lovely visit before she went on her way.

>Was sooo good to see her. Populations at the turtle dives good & healthy->tags just about unreadable- why we haven't sent any info!

>Have a good, >Lisa

SeeMore Wildlife Systems, Inc., Homer, AK 99603

Eumetopias jubatus, haulouts and rookeries, it is difficult to study sea lion life history patterns in detail. To alleviate this problem, we developed a remote control television monitoring system for continuous, long-term Due to the inaccessibility and remoteness of many Steller sea lion (SSL), observations of SSLs at their haulouts. A television camera was placed on Chiswell Island in Resurrection Bay, about 30 miles south of Seward, AK in October 1998. The TV signal was transmitted via microwave to a

times to the island and two times to the coastal repeater. Concurrent with upgraded and improved. In early March 1999, we placed a second coastal repeater, then to the Alaska SeaLife Center in Seward. During the first six months (November-April) maintenance visits occurred seven this development phase, PC software for remote control was constantly

was used throughout this period, but not daily. Observations included activity for 99 days (55%) during the first six months. Chiswell Island counts and continuous VCR recordings during daylight hours. Total recording time has reached 700 hours. SSLs were consistently present camera near the haulout and were able to control each camera separately 30-35% of the days. SSLs spent from 1-2 minutes to 11.5 hours on the January-February they were present 73-83% of the days and March-April haulout. Average times of presence on land were: January - 2.2 hrs (0:02through a switching mechanism. In total, we collected data on SSI when a signal was received during November-December.

8:00), February - 1.62 hrs (0:01-10:15), March - 1.65 hrs (0:01-8:32), and April - 4.52 hrs (0:02-11:37). Numbers of SSLs hauled out ranged from 1

(CV = 0.51 - 1.42). Similar infaunal density and biomass estimates were obtained from Ahous Bay and Cow Bay, yet whales did not feed in the company of the c

112

Date: Wed, 26 Jan 2000 08:44:11 -1000 From: Marc Rice <mrice@hpa.edu> To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> Subject: Re: sign

Yesterday's work went well. We were only able to get one night basker as all others went in as the sun went down. mostly because the tide was rising. We did do one animal (new mototool #58) at around 1500. Got some sediment samples and tried the clean vs white scute study. I have mailed the two data sheets for the Tb and the sediment sample. We can talk about this later.

Yes, I was going to propose placing a picture on the sign to instruct people what basking looks like... I just sent a version with the picture and the new text...

At 11:19 PM 1/25/00 -1000, you wrote:

>Marc, were you considering including the photo in the sign (shown in the >attachment you sent)?

>I thought of something simple, but a little longer. Maybe the word >"basking" is unclear to some (dummies)?

>SEA TURTLES SLEEP OUT OF THE WATER ALONG THE SHORE AT KIHOLO BAY
>IT IS ILLEGAL TO DISTURB THEM - STAY AWAY AT LEAST 20 FEET

>Or reverse last line

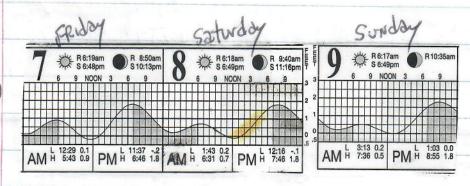
>STAY AWAY AT LEAST 20 FEET - IT IS ILLEGAL TO DISTURB THEM

>Or STAY AT LEAST 20 FEET AWAY

>I started measuring 15 ft. Not very far. while ok it seems for the hard >to disturb baskers at Punaluu, it seems our Kiholo ones need more space, >hence 20 ft. or 25 ft.

>Your thoughts now.

Sooo



Scatutte Com Kittolo installation RIL 2000 some dead of as as well by the Aloha 520 2m, ARRIVE SURISE 6AM Avis Rental Can - Drove to Warner Madanles then to alainen Chevron meet Move, Fatherterrington, Veronica
Roman Polanski UNSTATESCHULOS, elrove Af Microware Tower Site -d Bill HAGEY arrived from hora to Entenrast - each w/wire dish and direction - one set aiming at tiholo the other 29-30° aiming lat HPA, Hoggadio former to U.S. College unt. Drove 3 HDA - Steve _____ Compute, person. Installed same onlenna sof by MARC'S office airing down at PullAWAAWAA subber boat drove to kittolo Bill wife and Daniels girlfriend (Barbara) - notorof gear to "South Beach" (= noed Hayanan exekground of photos: Desch while installing but Finish at end of dust 130 past sunset

Seatuream
Strated AT Alumni Hose, Devoss for Freday, UP 7Am - Breakfeast at McDarola Looded gear 2+830 Am for toloko tr.p. TO MARCE office at ~9 Am - Showe to Dance who was on his way to Warme a from home of instruction for controller At 955 And the had live Video, Danield/105-1110 An 2015 a walked by - No real interest in Corners -INStead walked close to turtle and caused it to gointo water i 1/20AM on wheret via Meal Player: but not limites present when a web. layed with controls until ~1/45 pm. All of the above was video tapped. More and Il departed for haloko tagging trip with Stan Bard and Boy Scout, Seven captures N 1pm-415 pm; Dankland Kathe Harrington stayed in Marcs office to work with contro At 515 Am we met Daniel and Bill this at Marine restaugut Honotalian Harbors They had been to Kindo-snorkeled, looked at go

1/1/2 5 Truck bearing reading when Swinging .

Degrees Bearing reading when Swinging .

Distance from Cameras to there / & Distance from Comeras to Antenna affanotacy

Ground truth - go soon to do it.

- Cementor Kerlar fill-boxes; - Tiess

- Sea in Plastic - NOAA EMBLOM-Sea TWITE

Research Bard Monitoring Project " NINTS TOFFS

- GPS; Sealed in Plastic WOSA EMBLOM

- GPS; Sealed in Plastic WOSA EMBLOM

- LINE STOPES

- LINE Make closer to twitte s. - Closed Caption - ability to type as captions - Smoth out rocks? Copyout wdoor outdoor Was at Koren Bertoppe a

The from Page 14 Sestwile Com are Twite when trayagring - 4 came = 5 Dissussions on Marina Kesternant sentered on used - we stressing Time-lap out (2) Time-lapse PAN for census three of day. weeks include Fring controller to sorrestness and frag Close-up focus. Swall somera I an the back of the turtle video - that is then transmitted to Make Hele System and cleared to start over Solar fanel on twitle. Install Ukl unite Departed about 645pm y Marc for Wainer. Turned off Comeros, Nothing visible due to I Lux Daver olene at Korean Borbare. 9APRIL 2000 of 7AM- TO MANDOR Warmen Sunday there to Mara's office - 830 am - twites objectly present. VHS to hour video put in to record everything. Watched Furnmens some up on twitte 3-4 frightened back into water Aprisingly foots Difficultito tell distancing of 3 to left Marc's office and pocked swall from such to wall from function Drive to Kinslo alone tualkal

9 April 2000 16-8 people. Walked To site - Took Numerous Mele & Maka & Twelles of print and 35 mm st Ove Jorsan Trought antenna from a Woman (Fiji?) green Sarong Startes the turles (on foot patry" from Rennersu It her she world couse them all to go back in Francisco (ke is a coplecar

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YAWNING TWHES, KINDO BASKERS 2MAY2000 Depart 615 dus Aloha w Lora; To Posto Rung ~ 815 Ling net by Beorge and Sandi WATSON 16 wholes transforted out to Banva Patch "new at of IAA. Dive I started slight of usual front, Gost Scula 75 min, Live 13 captures Perhaps 3 others costined. Dive#2 only are tu Captured. TAGRECOVERS SCL 165 42.8 569 52 55.4 47.9 35 57.7 50,8 40 512 42 519 45 45,4 59,0 the boat ramp 2 tuilles ties are clearly was a r troval tags distal, weed to



KittoLo BAY Objective: Altolo Blood - Altolo Baskers 9 JUNE OF FRIDAY AM L 1200 1.1 PM L 10.49 1.4 (4) PURKO (B) KOWO, NUI Defait of Thierry work at 615 zm Aloha to Kora Took separate rental care to titolo, met More and Coura Rice (recently back from Porope) with 8-9 Jeffeo (colorado) high school student, 1 toches. Projected to cotch in Awar, but tide low ord mot wang coming cont Cor in However, as morning frograssed more did, Not many feeding the Boy either. Proceeded to shoot net 11, one was "big Mama" trous from Cam basking (NOW Mototoo 977), The other were not knowlas toskers. trocooled to walk around lagoon obtaining Boskers and bledling (weighing . 5 of I basked warranted Chotations of Plastyon looking a "little flat" (but not enough to designate "mild divaciation" The two bookers of pulped up to the hod grouped craft (1-3) scurry under them two backers I picked up both had No physical injuries to Dostron, though .

Are boshers getting burrowing barries to seleaned of of them? By crobs; in Burrowing barries to bashing. Retrieved Theologyans from Powds, Put in 2 No. Departed Katolo after T.W. & took 640pm

Anoly flight.



<BODY BGCOLOR="white"> SIZE-2> Yes, the crab issue is definately worth looking in to.. I wond It would be nice to look at the crab issue... what do we look for? Observ Re the turtles with flat plastrons. Perhaps the blood work will show some <BRNT SIZE=2>
 Re the turtles with flat plastrons. Perhaps the blood work will show some

I am pretty sure that I will be over on the 15th for an afternoon conference
 I will be going down by boat tomorrow morning some time to retrieve the cam
 Also, I will try and remember to look for the data logger numbers tomorrow MBRe in a later message. ABBha, MBRG

-Original message----PBRm: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> PBR>myice@hpa.edu DBRe: (06/10/2000 (Sat) 15:00 SBBject: Re: Thank you for a great day «BR>
«BRood news, I won't worry too much any more about rejects coming to me

«BRaying "undelivered" after trying for 7 days (automated), will ignore.

«BEWo things stood out for me about yesterday re basking: The two turtle I

»BE*cked up rapidly while basking both had small graspids under them. and

»BR> 5 of the 22 turtles we handled had what you I and TW agree were

»BRslightly flat looking plastrons." And all five of these were Basking

»BRwrtles! Flat because they're on the rocks? Or, flat because they're

»BRndernourished (which then would lead into the hypothesis about caloric

»BReficiency driving the basking behavior in the Kiholo, Puako and

»BReficiency driving the basking behavior in the Kiholo, Puako and

"BROW THE WORLD THE W
 sBReficiency driving the basking behavior in the Kiholo, Puako and ≈BRunaluu cases). *BReaTurtleCam stuff. How will you send to them? Did they give you a fedex *B#3 Let me know please. BRisholo data sheet have been mailed to you already, will go out in sBRonday's mail. Included also my 2001 state permit for you signature and sBRwinted name, on both copies, return to me. Mahalo! Geo. BBRS tried calling Mark Hodges KIRK today, no answer. Will try tomorrow and sBRs forth until I get him. Hope it's not too late before he leaves.

Yes, the crab issue is definately worth looking in to. I wonder if we should think about/discuss what it is we are looking for when we go back out to the baskers. I am still interested in seeing what the temperature profiles are for the baskers during the summer months. how hot do they get/how much heat can they stand. It would be nice to look at the crab issue... what do we look for? Observe the behavior of the crabs? Catch a few and see if

we can figure out what they are eating? Re the turtles with flat plastrons. Perhaps the blood work will show something. If not, should we be looking at some other blood component? I think it would be nice to follow up on your anaerobic respiration/oxygen debt hypothesis. Lets follow up with TW on the idea of fatty acids in the blood as an indication of increased digestive activity... Still in contact with Cathy and ???? (the ladies that did the fatty acid work several years ago at Kiholo and Kaneohe bay) Perhaps they would be able to

I am pretty sure that I will be over on the 15th for an afternoon conference... maybe we can take a few moments to discuss

I will be going down by boat tomorrow morning some time to retrieve the cameras, etc. I am to ship them FEDEX COD to them as soon as I have them packed. I will try and get them out on Tuesday or Wednesday.

Also, I will try and remember to look for the data logger numbers tomorrow afternoon. Just remind me if I forget.

More in a later message. Aloha, Marc

----Original message----From: "George H. Balazs" To: mrice@hpa.edu Date\06/10/2000(Sat)\15:00 Subject: Re: Thank you for a great day

> Good news, I won't worry too much any more about rejects coming to me > saying "undelivered" after trying for 7 days (automated), will ignore.
> Two things stood out for me about yesterday re basking: The two turtle I picked up rapidly while basking both had small graspids under them. and > 2) 5 of the 22 turtles we handled had what you I and TW agree were > "slightly flat looking plastrons." And all five of these were Basking > turtles! Flat because they're on the rocks? Or, flat because they're undernourished (which then would lead into the hypothesis about caloric > deficiency driving the basking behavior in the Kiholo, Puako and > Punaluu cases). I'm ready to return, say when. We still have two nice signs to install also.
 SeaTurtleCam stuff. How will you send to them? Did they give you a fedex > Sea furtletcam sturf. How will you send to them? Did they give you a ready
#? Let me know please.
> Kiholo data sheet have been mailed to you already, will go out in
> Monday's mail. Included also my 2001 state permit for you signature and
> printed name, on both copies, return to me. Mahalo! Geo.
> PS tried calling Mark Hodges KIRK today, no answer. Will try tomorrow and
> so forth until I get him. Hope it's not too late before he leaves.
> On Sat, 10 Jun 2000 mrice@hermes.hpa.edu wrote:

Re: Mauna Lani, etc. All good points. Hope the meeting goes well.

I just returned from Kiholo where we removed the two cameras, the encoder box and the two batteries. I left the two boxes where the cameras were and the big box and antennas. I will box up the cameras, etc. tomorrow and send them off. We also placed the two cement backed signes out on the penninsula. One near the sand beach (where people tend to come out of the moved if you would like them at some other location. This evening, I will send a few pictures of them and their placement.

----Original message----From: "George H. Balazs" To: mrice@hpa.edu Date.06/12/2000(Mon)06:43 Subject: Re: Temperature loggers

> Mahalo Marc.

> Let me get back to you about Thursday, I'm sure it can work and that will

> Mahalo Marc.
> Let me get back to you about Thursday, I'm sure it can work and that will
> be an excellent opportunity.
> SLP is having their meeting today at 10am, they firmed it up late last
> week, apparently Dan and Marty are both coming. Bob Morris and Bob Braun
> wiek, apparently Dan and Marty are both coming. Bob Morris and Bob Braun
> wish the turtles they are (were!) intending to ship to ML to replace what
> with the turtles they are (were!) intending to ship to ML to replace what
> will be released on July 4. So there are multiple issues and if they
> don't conduct their meeting well it will be a disaster. Issues: our
> summary of 10 years of results; biting of people/conditioning so as to
> maybe reduce eliminate that prior to release; and current shipment of
> turtles over there. In addition, I will ask the 64000 dollar question> judge them proper for release on July4,2000?
> Also, I will bring up the issue (gently and only for possibility) that
> there are now enough turtles on the Kona Coast, we suspect maybe food
> adding more! They will "love" that but hell someone has to bring out
> these things.
> Will you take Cam gear out today? Aloha, George
> On Mon, 12 Jun 2000 mrice@hermes.hpa.edu wrote:

It would seem to me that there are probably 4 or 5 that regularly come into the area. A discussion with one of the boaters there revealed that the turtles tend to come around when there are fishermen on the ramp. He said they sometimes bite the hooks and some get hooked. The one we message, the two that came around sure seemed to home in on the arriver speared fish and take. We did not see # 70 on that day.

Yes, I believe that we can promise some students to help with the tagging on July 3rd, if you do it.

I will call Doug Herkes and indicate that we might be over to observe, capture and tag some of the turtles in his area in the afternoon if it all works out . I will report back to you on the conversation.

Just got off the phone with Elli (in charge in Doug's absence. She will confirm with her bosses that we are coming and that there will be no problem with us coming over there in the afternoon to observe and possibly capture some turtles. We are to call her before we come over on

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

> Got the fax, mahalo. How many others to you speculate are hanging > there?

> See below, re ML. Read at very end of Danny's message. I feel we can > positively assume we have access on the 26th to our regular site. So, yes, please go ahead and call Doug. Mahalo, George

> will your cell work ok on Maui just in case there's any important reason > Will your cerr work on many just in case there's any important
> I need to phone you?
> Would you and some students be willing to come down to ML to help

Date: Sat, 17 Jun 2000 17:11:48 -1000 From: Marc R. Rice kmrice@hpa.edu

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

Subject: Re: Puako Turtles

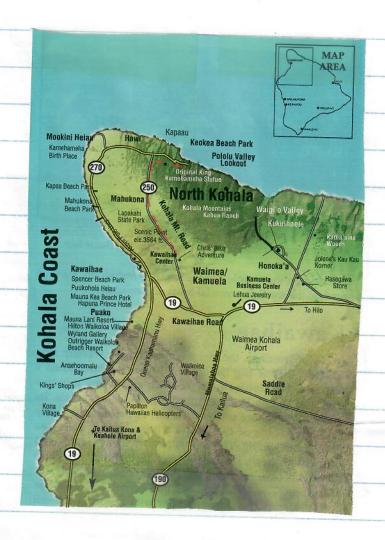
We were able to pick up one turtle at the Puako ramp today around 1400. It and another smaller turtle were, we believe, following the scent of a stringer of fish that was on the shore on the south side of the launch ramp. They repeatedly swam over that way and meandered in the shallows near the stringer. We picked up the larger of the two in the scoop net. It was 55 lbs and was untagged. I will fax the data as soon as I get into the office. It was very healthy appearing with no sunken plastron. I have to go now but will follow up with more information soon.

----- Forwarded message -----Date: Tue, 20 Jun 2000 11:59:26 -1000 From: Marc R. Rice <mrice@hpa.edu>

To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> Subject: Re: Mapping out a good plan (fwd)

I was trying to remember if I sent you the information on the turtle that we captured and moto tooled at Puako on 6/29. In looking at it, I realized that started MT numbering at 71 at Kiholo and I placed a number 71 on the "sick" turtle at Puako... sorry but we have a duplicate. Experience says that it will not be a problem, but I wanted to let you know that we have two 71's. What we going to do when we get to three digits???

Marc



me 127. 26 R5:52am R 1:38am S 2:18pm S 9 NOON 3 6 9 KedwaNU1
6-26-65 Depart w Bob Morro 615am 7 AM L 5:30 -1 PM L 6:49 0.6

Date: Sat, 24 Jun 2000 20:58:36 -1000 From: Marc R. Rice <mrice@hpa.edu>
To: gbalazs@honlab.mfs.hawaii.edu Subject: Follow up phone///

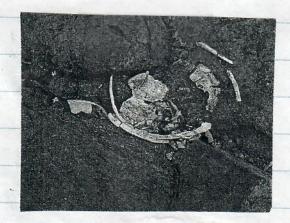
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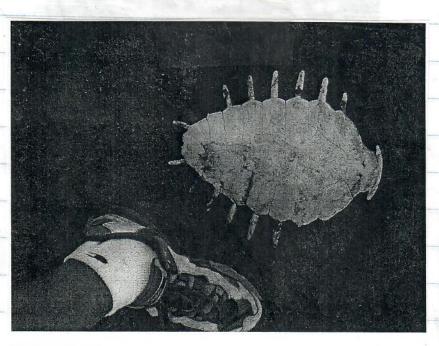
Sorry the phone signal faded today,,, but I am sure you had plenty to do... We went down to Kiholo this afternoon just to make sure everything was ok. Found a few interesting things:

Big Mama (77) was basking on south beach. Numbers 51, 57, 64, 60, 63, 50, 67, now). out and couple of other numbered ones (I don't have the notes with me right basking happily. Also found one of our data loggers in front of south beach with both end caps removed and the contents missing. I looked around and searched, but someone must have taken them or thrown them into deep water. The deep enough!

number written on the pvc pipe is 1440/2-1 obvlously, I does number written on the pvc pipe is 1440/2-1 obvlously, I does number a country across from the sand beach. There were no soft parts found almost directly across from the sand beach. There were no soft parts remaining and I could find no limb bones or tags. I looked at every scute I could find to see if there were any numbers etched on them... no luck.

There were 18 turtles out basking today between the hours of 1400 and 1530. I can't wait to get those cameras back in action....
I faxed the name list to the security office this morning just after I spoke with you. Hope you have a good weekend... see you on Monday.





:21p Jeffrey Smith 808-886-5565 Fax Cover Sheet Pages including this cover sheet To: Victor Honda & From: Jeffrey Smith Date: November 19, 2001 Re: Temporary Fence in Hilton Lagoon Aloha Officer Honda, Thank you for your visit last week in regards to the temporary fence we had in place by the Hang Ten Restaurant in the Hilton Waikoloa Village lagoon. As we discussed, we all want what is best for the turtles and after our conversation, I acted on your recommendation and had the fence taken out of the lagoon. We are currently pursuing permitting that would allow a permanent divider, which we feel, would be in the best interest for the turtle's welfare. Should you have any further suggestions or recommendations, please do not hesitate to call me at the numbers below. Thanks again for your time and comments. General Manager Dolphin Quest Hawaii 69-425 Waikoloa Beach Drive Waikoloa, HJ 96738 808-886-1234 ext. 1505 PH 808-937-9199 Cell 808-886-5565 Fax jsmith@dolphinquest.org www.dolphinquest.org