

2007 PUNALOO 2010
 Mead
 JUNE 20, 07
 COMPOSITION
 NOVEMBER 15, 07
 APRIL 17, 2008 10-29-09
 OFFICIAL 100 sheets • 200 pages
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 JULY 23, 2008
 SEPT. 25-27, 2008 25TH YEAR CELEBRATION
 MARCH 12, 2009
 BALAZS



3 of 3

Keoki Balazs

Honu Scientist

October 29, 09
 JUNE 30, 2010



PHI



Merry Christmas & A Happy New Year

Wishing you God's peace in 2009
Love, Dawn, Paul & Pets



Dawn & Paul Patterson
HC 1 Box 5614, Keaau, HI

10/29/09
Punaluu

Date: Wed, 28 Oct 2009 09:52:15 -1000 (HST)
From: Gene Madriaga <genemadr@hawaii.edu>
To: George H. Balazs <gbalazs@honolab.nmfs.hawaii.edu>
Subject: Re: HAAS charter school: Gene Madriaga

George H. Balazs wrote:
> Gene, confirmed and 13 sounds reasonable. Please arrive about 915am no
> earlier. I will be driving from Hilo after flying in from Honolulu. I
> myself will not arrive until about 915am and I don't want anything to be
> "getting under way" including talks and safety talks before I arrive. The
> buck stops with me I'm in charge. Also, please keep in mind that none of
> the students can go into the water to capture or help capture turtles. I
> trust that was clear when we last communicated. But on land they can help
> if they would like at selected times that I will instruct. It would be
> great if everyone had a name tag, but not required. Remind me again please
> their grades and ages? Best regards, Looking forward, George

> On Tue, 27 Oct 2009, Gene Madriaga wrote:

> Aloha, hope all is well. Thank you for the invitation to Punaluu. We
> will be joining you and the University students on October 29, at around
> 9:00am. I will only bring 13 students and another adult. Is there
> anything that I should know about or that you want me to prepare the
> students for? If not, this is a good time for our students who will use
> this opportunity to help and propel them with their ongoing projects as
> well as future projects since we are a project based school. Mahalo,
> Gene Madriaga. cel.345-5239 or home number: 968-8865 If there are any
> advisories please feel free to call.

Mahalo, George. Yes you are definitely the man in charge, and we won't get their
no earlier then 9:15, in fact we might be their a little latter.No one will be
allowed to do anything unless directed by you. I will try and get the students
name tags. the grades of our students are 7, 8, and 9th. ages ranging from 12-14.
Again much mahalo, Gene

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Punaluu
10/29/09

Date: Wed, 28 Oct 2009 16:01:57 -1000
From: Will_Seitz@contractor.nps.gov
To: George H. Balazs <gbalazs@hnlab.nmfs.hawaii.edu>
Cc: Stacy.Kubis@noaa.gov
Subject: Re: Punaluu work this Thursday 10/29

Y-254

Aloha George,

Thanks for the heads up. Here's our status:

There are three Hawksbill Project volunteers that are camping at Punaluu (Nik, Samantha, and Cari). There are also two volunteers camping at Kamehame that will be coming over during the day and will likely be interested in observing some of your activities. I just told all these folks about the event tomorrow. They will be there in the morning and can show you the nests and perhaps watch some of the tagging activities before they make a daytrip to check another beach for turtle activity.

Unfortunately, I have a mandatory meeting with UH Safety officer coming over from Oahu as well that has been on the calendar and I have RSVPed. Perhaps, after we get done with the meeting I can jet down to Punaluu for a few minutes and we can talk story.

Y-254 nest update is: Nest #1 hatched out recently and was excavated....We estimated hatch success at 49% with a clutch size of 121 eggs...estimating 59 hatchlings reached the ocean....we have some of those "fused"eggs I told you about that will send with the rest of the samples.

also, turns out the article by India for Kau Calendar is more of a "caption" than an article.

Maybe see you tomorrow, if not enjoy your day at Punaluu.
Will

Local News | Features | Obituaries | Archives | e-Edition | Submit a news story

BILLY KENOI

West Hawaii Today
Endorses Billy!
read the editorial

TOGETHER WE CAN!

Paid for by Friends of Billy Kenoi 614 Kilauea Ave. Hilo HI 96720 Treasurer: Greg Ayau

BillyKenoi.com

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Punaluu Bay ceremonies honor Balazs, turtle work

Published: Sunday, October 12, 2008 8:07 AM HST

Commemoration ceremonies were held recently at Punaluu Bay on the south coast of the Big Island marking 25 years of cooperative efforts between the Marine Option Program (MOP) at the University of Hawaii at Hilo and George Balazs of the National Oceanic and Atmospheric Administration (NOAA).

Research activities have involved numerous faculty and staff, and more than 2,000 students from UH-Hilo, who have worked with Balazs in his effort to learn more about the diet and movements of green sea turtles (*Chelonia mydas*) in Hawaiian waters. Much of that research has taken place at Punaluu Bay, known as a particularly rich area for the study of sea turtles. Participating in the event were UH-Hilo MOP faculty coordinators Lisa Parr and Jason Turner; longtime staff MOP coordinator John Coney; UH-Hilo Vice Chancellor of Research Michael Crosby and Walter Dudley, director of the Kalakaua Marine Education Center at UH-Hilo.

Jeff Kuwabara attended on behalf of the MOP program at UH-Manoa and Donna Brown represented MOP at Maui Community College. John Kahiapo attended on behalf of the state Department of Aquatic Resources, and Ron Whitmore and Diane Ley represented the County of Hawaii.

Some 20 UH-Hilo students were also in attendance, as was Dale Zarella, noted Maui artist who created the turtle monument at Punaluu Beach Park. All the attendees honored Balazs for his dedication and service to the collaborative efforts.

"The mission of the Marine Option Program is to foster the study of the natural history and cultural heritage of the sea, to provide outreach to the local community, and to promote marine stewardship," Dudley said. "This partnership has significantly contributed to MOP's mission over the past 25 years and will continue to do so in the years ahead."



Click Photo to Enlarge

George Balazs of the National Oceanic and Atmospheric Administration is honored at ceremonies at Punaluu Bay. - John Coney/UH-Hilo Mop



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Free Press

oken opinion, the other side. 9/21/08 Volume 4, Number 18

Revolution: New voters back Enriques

by Andrew Walden

Munching on watermelon and other delicious pot-luck dishes at the Pahala Plantation House, about 100 District 6 residents celebrated the sweet taste of victory September 20. Councilmember-elect Guy Enriques greeted his hard-working volunteers and told them he was very proud and that they should be proud as well. Enriques won with 52.2% defeating incumbent councilman Bob Jacobson by more than 10 percentage points 2,354 to 1,894.

Starting with the 400 people at Enriques' kickoff rally last winter, hundreds of District 6 residents from Puna, Ka'u and S Kona worked for eight months to make this day a reality. The lessons of this victory can be applied statewide to liberate communities such as Moloka'i which are oppressed by socialist-sponsored gangs of thugs who justify their crimes with unending fountains of politically correct rhetoric.

The Ka'u Listening Project Report, commissioned in September, 2007 by Big Island Mayor Harry Kim documented a community terrorized by Jacobson's backers. After years of living in fear, Ka'u residents finally reached their breaking point when Jacobson sponsored resolution 169-07 which in its original form would have directed the County to take kuleana

continues on page 5

9/21/08

Revolution: New voters back Enriques

continuing from front page

plots at Punalu'u beach and also take part of the decaying Sea Mountain resort site. Under Jacobson's proposal the new county properties would then be placed under the management of Ka'u Preservation led in part by convicted drug dealer Ralph P. Dedman. Dedman's kuleana plot at Punalu'u was the only one not included on the County's seizure list.

Victory required organization and strategy and that came from Dylan Nonaka. Nonaka's day job finds him serving as Governor Lingle's East Hawai'i liaison. But in his off hours, he designed a system which turned the hard work of Enriques' volunteers into a solid list of voters pledged to support Enriques at the polls. Almost 750 of these voters showed up to vote for Enriques in the absentee and walk-in voting prior to Primary Day. When the first read came in at about 6:30PM, they gave Enriques a 2-1 lead. Jacobson never caught up.

There is much to be learned from the numbers. Jacobson's supporters in the HGEA, local media, the Angel Pilago's mayoral campaign, and the hard left pulled out all the stops but they couldn't find any new voters. Jacobson's 1,894 votes in 2008 are almost identical to the 1,912 votes he received in 2004.

Enriques did not win by changing the minds of Jacobson's cult-like supporters. Instead Enriques and his volunteers worked to bring new voters into the process and to mobilize discouraged voters. Statewide, turnout was 36.8% but in District 6, turnout was over 50% and in Ka'u districts most directly impacted by the reign of terror imposed by Jacobson's supporters, turnout likely soared far higher. Pahala, in past elections had had one of the lowest turnout rates in the state. When the precinct-by-precinct numbers come out we may find it had the highest turnout on September 20.

The lessons are here for all who wish to learn. The hard left in Hawai'i is a minority with fixed views—few of Jacobson's core supporters switched even though Jacobson's KPI cronies were led by convicted criminals and were proposing their own development plan for Punalu'u—complete with blueprints for a so-called "school" and "housing" for "teachers and students". In spite of all the protestations about Hawaiian rights, few of Jacobson's core supporters were perturbed to discover that Jacobson had proposed a resolution which would have seized numerous historic Hawaiian-owned kuleana plots and handed over control of them to his KPI cronies. Their politics are not the product of reason but of a delusional cult-like faith.

The campaign was led by a core group of Ka`u residents many of whom were born and raised in Ka`u, had moved to the mainland for a while and then returned. They did not come back to Ka`u in order to place themselves under the thumb of thugs. Not only did the work but they also contributed \$1000s from their own pockets to the campaign which was heavily financed by donations from residents of Pahala, Na`alehu and Ocean View.

The hard-left dictatorship over normal people is imposed partly thru physical intimidation but mostly through ideological browbeating. The effect is enhanced through creation of the illusion that normal people are a minority. This illusion is created by hard-leftists who occupy positions of authority in the media, in the university, in K-12 education, in some churches, in unions, in the legal profession, and in the arts. KPI drew in several such people to its list of so-called "experts."

Enriques and his team of volunteers have shattered the illusion and shown the way out of the trap. The key was to bypass the media and all the phony experts and go directly to 100s of individual voters one at a time

Ka`u residents can expect to continue to be challenged by those who seek to once again silence them—especially as the Ka`u Community Development Plan begins holding meetings. While KPI is going to lose the \$10,000s in financial support given annually thru Jacobson's office, it continues to receive money from the Office of Hawaiian Affairs. Development decisions will continue to be governed by the Hawai`i Supreme Court's decision in Angel Pilago's 1995 PASH case. PASH provides a mechanism for the legal extortion of developers by phony activists and also provides a system by which developers can buy off opponents.

The challenge is to chart a third path—rejecting the old-boy system of development motivated by tax base and political connections and also rejecting the phony activists who demand millions in settlement payments before allowing development.

Guy Enriques is one of only a very few elected officials committed to this third path. District 6 is lucky to have him.

Turtle Tagging at UH-Hilo to Celebrate 25 Years of Research and Education

Jason Trimble, Associate Editor

Turtle tagging at UH-Hilo has been a flagship activity for over two decades. It started in the Fall of 1983 when John Coney, currently the Marine Option Program (MOP) Coordinator for UH-Hilo was just a freshmen



UH Hilo students participating the the Turtle Tagging Project.

and new to the MOP program. His roommate, Chris Doll, had convinced him to join an exciting new opportunity with MOP called the "Turtle Project". The project involved catching turtles for research on the Kau coastline of the Big Island of Hawaii. It was the start of an era: a partnership lasting 25 years with MOP and George Balasz of the National Marine Fisheries Service (NMFS) where students would go out into the waters along the Kau shoreline and retrieve turtles for scientific research.

Mr. Balasz had received a \$14,952 dollar grant to study turtles on the Big Island and enlisted the help of the newly-established Marine Option Program as well as several local schools and members of the community. Balasz's goals for the project were not only research-oriented, but had an educational component that informed the students and any beach-goers where he conducted

his research. He invited members of the public to reach out and get to know their honu (turtles) so that they could contribute to their conservation. This idea of both research and education in the field would reverberate through the 25 years of turtle tagging that followed and is very much alive today.

The Turtle Project quickly found a home at Punaluu Beach Park. The area is a traditional hotspot for green sea turtles, which regularly feed on the *Pterocladia* limu on the inside of the bay. This algae is a dark purplish-red color found in large pools and lagoons in the lower intertidal and shallow sub-tidal. At the dawn of turtle tagging in 1983, green sea turtles (*Chelonia mydas*) were much less prevalent than they are today. Years of hunting had diminished their numbers causing them to be a rare sighting. Catching the turtles then would have been impossible using today's hand grabbing technique. Instead, researchers had to set out "tangle nets" to catch the turtles and then make sure to quickly retrieve them in case they weren't able to get to the surface to breath. This made the whole



A photo dating back to the early 1980's when "tangle nets" were used to capture turtles for tagging. Dr. Walter Dudley, Professor of Geological Oceanography at UH-Hilo can be seen in this photograph third from left.

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Hanauma Bay Outreach

February Events

Every Thursday at 6:30 p.m.
Free and open to the public

Humpback Whale Awareness Month

February 7th: "Understanding Strandings, Marine Mammal Beaching" by Dr. Kristi West, Professor of Biology, University of Hawai'i

February 14th: "Whales in Crisis" a documentary produced by National Geographic

February 21st: "Talking Trash! Marine Debris and Wildlife Entanglement" by Carey Morishige of NOAA's Marine Debris Program

February 28th: Lecture TBA, Humpback Whale Awareness Month Contest Awards begin at 6:15 p.m.

Free parking after 5:30 pm

For more information contact the Hanauma Bay Education Program at (808) 397-5840 or by e-mail: hanauma@hawaii.edu.

SOEST Centennial Lecture Series on the Changing Climate and Its Significance to Hawai'i



Chip Fletcher

(Chair of the Geology and Geophysics Department)

"Impact of Rising Sea Level on Hawaii"

*New time and location:

Wednesday, Feb. 12 • 3-5 pm
HIG 110, UH Manoa Campus

This free event is open
to the public.

Submissions Welcome!

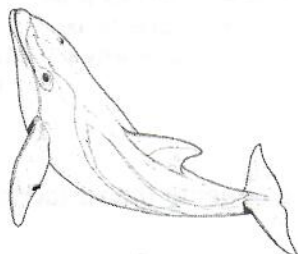
*Any artists, poets, writers,
photographers, or scientists out there
with marine-related interests?*

Share your talent with the marine community
and get your work published in *Seawords*.

We accept any original work having to do with
the ocean.

All work should be submitted to your nearest
MOP office for delivery to *Seawords*,
or email us at
seawords@hawaii.edu

Please be sure to
include your full
name and contact
information so we can
give you credit for
your work.



Hanauma Bay Nature Preserve Hours of Operation

Summer Session: April - September

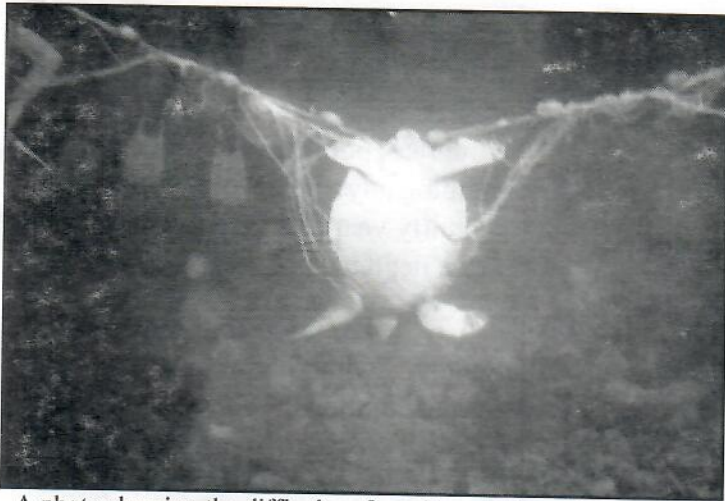
- 6:00 AM – 7:00 PM Wednesday – Monday
- On the second and fourth Saturdays of the month the preserve remains open until 10:00 PM

Winter Session: October - March

- 6:00 AM – 6:00 PM Wednesday – Monday
- On the second Saturday of the month the preserve remains open until 10:00 PM

The preserve is closed all day Tuesday

For more information on the hours of operation consult the
Hanauma Bay website:
<http://www.honolulu.gov/parks/facility/hanaumabay/welcome.htm>



A photo showing the difficulty of catching turtles with a net. The resulting entanglement produces logistical problems for the students trying to tag the turtle. In addition these tasks were done at night, further complicating the effort, but was necessary at the time due to the scarcity of turtles in comparison to today.

just last fall at Punaluu, meaning that these turtles have no memory of ever being hunted by humans and exhibit much less fear.

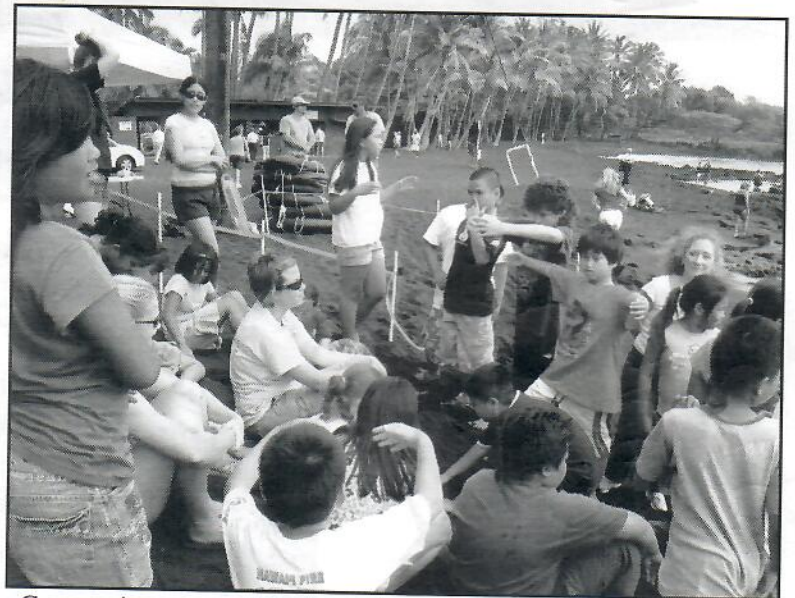
Katie Wills-Valdez has been involved with turtle tagging since the fall of 2003. She noted that "she hasn't missed a single event". She has been a member of the Sea Turtle Stranding Response Team since 2006 and is considered to be the most active member today. The team responds to calls of entangled, sick, or stranded sea turtles on the Big Island and is funded by the National Marine Fisheries Service under George Balazs. Currently she is working on obtaining her Masters Degree in Tropical Conservation Biology and Environmental Science. Her thesis is investigating the foraging ecology of the threatened Hawaiian Green Sea Turtle at Kapoho Bay.

The goal of the Turtle Tagging Project "has always been to take continuous data on the size, growth and over-all health of these remarkable animals" according to Katie. While some spectators have questioned the necessity of the continued monitoring of green sea turtle populations, Katie believes this is ridiculous. "Green turtles can live upwards of 80 years, so a 30 year study is only touching on a portion of one generation of turtles. I think the value of this study will only grow in the future," she remarked.

The one thing that has not changed over the 25 years of Turtle Tagging at Punaluu is the massive amount of public outreach conducted by the MOP students and George Balasz. "Public outreach has been, and will continue to be of most importance in the recovery

process a very delicate and cumbersome activity requiring great care. The activity also required a lot of time, necessitating a camp-out over the weekend in a remote area in Kau, Hawaii, where only a few turtles were caught each day.

Today there is little problem finding turtles at Punaluu Beach Park. MOP students form teams and encircle a turtle while it is foraging or swimming and grab its shell and fins to place it on an inner-tube float in order to get it to shore. The float immobilizes the turtle to allow for an easier swim back to shore. The turtles are more docile now, and seem to be more trusting of humans, perhaps since it has been about 30 years since they were last hunted. The Endangered Species Act (ESA) was passed in 1978, extending a moratorium on the take of green sea turtles. Turtles that were born in or after 1978 are now at a sub-adult size and weigh in the range of 50-60 lbs. This weight is close to the average weight of the turtles caught



Community outreach has been a goal of MOP students and other agencies participating in the Turtle Tagging Project funded by the National Marine Fisheries Service.

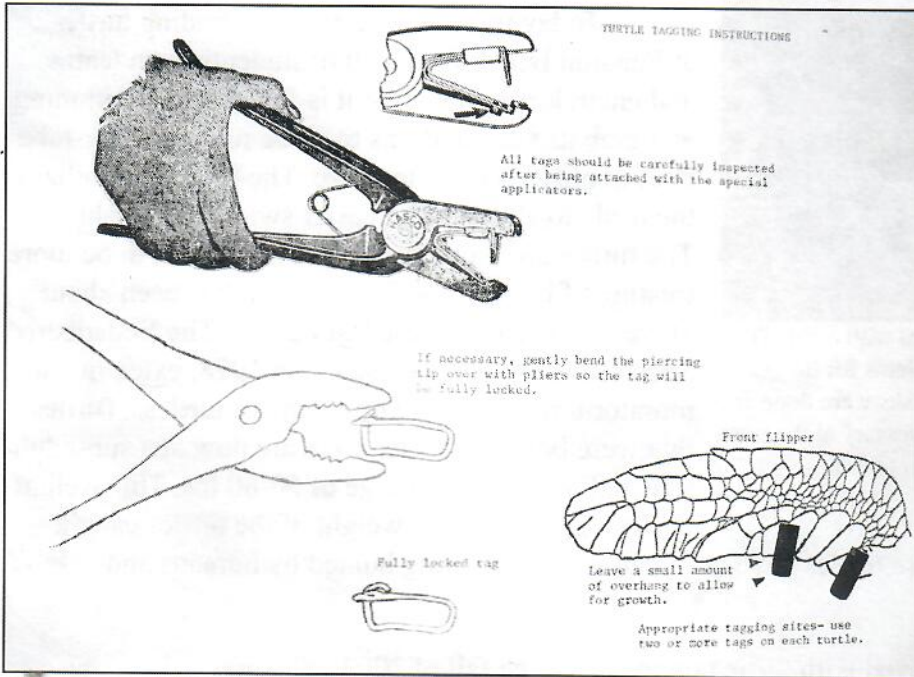
of the sea turtles,” Katie remarked. She has a particular skill for communicating with children during the tagging events as seen in the photograph.

The data taken from Punaluu over the 25 years of turtle tagging with MOP and George Balasz have been used for a variety of studies looking into size and population monitoring. Balasz has used his data in

countless publications with topics ranging anywhere from growth rates to thirty year recovery trends in a once depleted population.

MOP students were very involved with the Turtle Tagging Project in the fall of 2007. This fall marked the first tagging event in two years. Fifteen turtles were caught in a few hours, a testament to recovery of the green sea turtle. Five of these turtles were never seen before by the researchers, showing them that the population is ever-recovering.

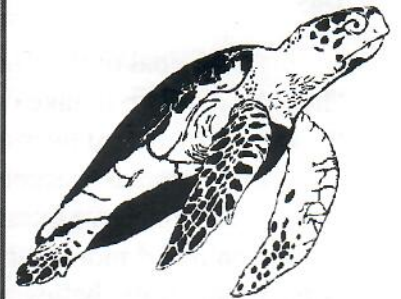
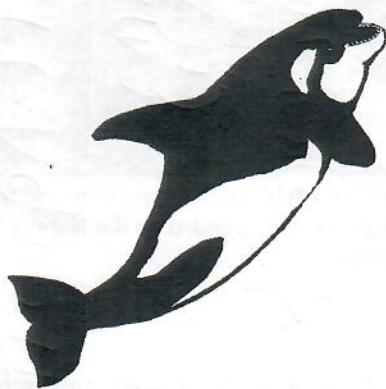
A date for turtle tagging in the spring 2008 semester has not been set, but plans are in the works for the 25 year anniversary of the event. If you are interested in participating, contact the UH- Hilo Marine Option Program at uuhmop@hawaii.edu.



Instructions prepared by George H. Balasz in May of 1982 on how to apply a turtle tag. While electronic PIT tags are now used these older tags are still attached to many turtles all over Hawaii and are used to identify turtle movements and patterns.

UH-Hilo Schedule of Events January

- 21 Holiday
- 22 QUEST introduction and about the program, 6-7, MSB-101
- 24 QUEST ID workshop (MSB-101, 6-8pm)
- 29 QUEST ID workshop II (MSB-101, 6-8pm)
- 31 QUEST ID workshop III (MSB-101, 6-8pm)



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10/29/09 PUNAWAI PARTICIPANTS

<u>NAME</u>	<u>EMAIL (if you want)</u>	<u>Comments</u>
-------------	------------------------------------	-----------------

- | | | |
|--------------------------------|------------------------------|-------------------------------|
| 1 Nikki Sanderlin * | nicolejs@hawaii.edu | Had a blast |
| 2 Nick Brilliance | nbrillia@hawaii.edu | Cool!!! |
| Marcus Taylor 3 | mtaylor@hawaii.edu | She's a beaut |
| Jon Marusek 4 | jmarusek@hawaii.edu | What a fun |
| Vicky Maie Orti * | vickym@hawaii.edu | a unique experience |
| Bryce Woodruff 6 | brycew8@hawaii.edu | Thanks! |
| Derck Tolouhi 7 | dercktolouhi@phos.com | Great experience!
Thanks!! |
| Amber Howell 8 | ahowell@hawaii.edu | THANK YOU! I will miss |
| Tiffany Love-Chezen 9 | chezen@hawaii.edu | Thank you for rock |
| Kiley Montgomery 10 | Kiley-Montgomery@hotmail.com | THANKS! |
| Gerard Kruisheer 11 | vivamexico14@hotmail.com | Awesome |
| Tory Johnson 12 | toryj@hawaii.edu | Thanks! so |
| Megan Hess 13 | hessm@hawaii.edu | Thank you! |
| Shelby Stanfield 14 | shelbyrs@hawaii.edu | Thanks! |
| Nicki Zellner 15 * | zellner@hawaii.edu | Thank you
So much! |
| John Comy | Johny@hawaii.edu | Nobubs |
| Jason Turner | jpturner@hawaii.edu | THANKS! GEORGE |

LETTER FROM THE DEAN

The MARINE OPTION PROGRAM has been from the outset a unique and creative experiment by the University of Hawaii. In the short time since its initiation, it appears to be successful beyond the expectations of its originators. This has been due to the creative enthusiasm of the program participants. It has become in the fullest sense of the word a student program. But these early efforts can only be a manifestation of success--for success cannot be achieved without the dedicated and patient follow-through that follows the first glow of enthusiasm. Nor can success be achieved without setting a standard of excellence which can be achieved only through striving. Many students, many administrators, and many universities are watching this program with interest, with admiration, but mostly with skepticism. I do not believe their skepticism will be justified, but we shall not be able to take these measures to insure success unless each student lets it be known when he feels that he is under-challenged, underworked, or under-achieving in this vital program.

John P. Craven

Letter from the Dean of Biology John P. Craven in 1973 to the Marine Option Program News.

SEA GRANT MEMO

As a MOP student, any undergraduate can acquire a skill and a set of experiences which involve him with the sea while he pursues his chosen field of study. The result is a broader person more appreciative of marine values, problems, and needs. In addition to promoting personal growth, the imaginative student projects are fostering a growing awareness and appreciation of ocean resource values in the university and in the community.

Thus MOP provides a unique vehicle for undergraduates of the University of Hawaii to show that they have much becoming increasingly aware that its economic health and quality of life depend on wise use of the sea.

Jack R. Davidson

Letter from Associate Dean of Biology Jack R. Davidson in 1973 to the students of the Marine Option Program in the Marine Option Program News.

Excerpts from the Marine Option
Program News about the first and second
year of MOP, written in 1973.

DIRECTOR'S MESSAGE

Now in its second year, the MARINE OPTION PROGRAM has grown to include not only 250 students from the Manoa campus, but also fifty members at the Hilo campus. Students attending Maui Community College are participating in an adapted form of the program suited for two-year community colleges, titled the "Marine Orientation Program."

With such growth, a diverse spectrum of problems have occurred, most of which have been solved by the students themselves. Thus, the students have been instrumental in the Program's direction and philosophy from its inception. This has been a most necessary--and indeed a vital--ingredient for what success has been enjoyed.

Many faculty and staff members have been most generous with their time and services in helping students achieve their goals. The Mokapu Outfall Baseline Study, the Hanauma Bay Snorkeling Tour, the underwater pipeline, the Teritu cruises, and many other projects have been made possible through the advice and help of many people who, I am certain, will be glad to help again.

Therefore, we have fine students, and they have converted many skeptical faculty members into our foremost supporters. Our Dynamic Dean of Marine Programs is clearing the pathway to further growth and success. Sea Grant funds will keep the program functioning, and hopefully more State funds will be available. A high level of achievement has been maintained. Let's work hard to see that this is continued.

Barry H. Hill

Director's Message from Barry H. Hill in 1973 featured in the Marine Option Program News. In this letter, Mr. Hill summarized the importance of the students involved in the Program.

Turtle Study, Screening Requi

Owners of the coastal property between Kawa and Honu'apo, where the house complex with two buildings rises out of the lava on Conservation land, will be required to submit a landscaping plan to make the structures less visible in the view plane along the scenic Ka'u Coast. The owners will also be required to conduct a study to determine whether lighting from the house affects endangered turtles who live along the coast. April 13 is the date the landscaping plan and turtle study are due, 90 days after the state Board of Land and Natural Resources handed down the decision in Honolulu.

Dave Gulko of the state Division of Aquatic Resources and Larry Katahira of the National Park Service. The board voted unanimously to require the Carrolls to work with the state and National Park staff on a turtle lighting study.

The Carrolls had also been questioned about unpermitted grading beyond the original footprint of an area graded by previous owners, which is now the location of the Carroll house and yard, and for building a rock wall without permits. Lim provided an affidavit from contractor Michael Tonini stating that the Carrolls did not impact the area outside of the previously graded area. He also presented a declaration from Jas

Earlier recommendations by the



For permits to build on Conservation land, owners promised the home would blend into the landscape and not impair the view of the scenic coast.

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DIRECTOR'S MESSAGE

state Department of Land and Natural Resources staff, which would have required the house to be painted a color to blend in with the surroundings, were deleted by the board. The off-white color of the house stands out against the hillside when viewed from Kawa surfing beach and also from the highway and the Na'alehu scenic lookout. The owners had promised when seeking a permit to build on the Conservation land that they would make the house blend into the surroundings.

During the meeting in Honolulu, Hilo attorney Steven Lim, representing owners David and Mary Carroll, offered to plant a hedge to diminish the appearance of the house in the coastal view plane. He also suggested that the study be carried out to determine to what extent lights from their house affect endangered turtles that may be nesting in the area. According to the board's minutes, Lim said he has consulted with

The Ka'u Calendar

Bahadur Rai taking responsibility for placing an unpermitted one-foot high dry stack rock wall around the edge of the property. He said that the purpose was to prevent vehicles from being driven over the edge of the parking area. Lim acknowledged his client did not follow the approved plans submitted to the Department and has no problem with fines recommended by the DLNR staff.

According to the BLNR minutes, Keolani Hanoa, of Ka'u Preservation, appeared at the meeting in Honolulu and said the case is about the violation of state land use laws. She said the Carrolls applied for an exemption of the Special Management Area (coastal permit) and promised there would be no tractors nor grubbing on their property, which is designated by the state as Conservation land. She also asked the board to take action on the Carrolls having built two separate buildings instead of one, as their permit approved only

red for House on Ka`u Coast

one structure. She told the board, "We can not make new laws to break laws."

According to the minutes, Hanoa told the Board of Land and Natural Resources members that they are "incapable of coming to the legal questions or getting answers because truth and integrity is not important," and that her organization, "Ka`u Preservation has no other stance then to file litigations on this house."

When questioned by board members, Hanoa stated that there should be no house allowed on the Conservation land. If the State made a mistake in allowing the Carrolls to build their home, the Carrolls should receive

compensation from the State, and the house should be removed, the minutes reported her saying.

Bob Graham, another board member of Ka`u Preservation, also flew to Honolulu to attend the meeting. The minutes included his testimony: "What's been going on here is the condoning of one violation after another without anything being done."

The minutes reported that Earl Hanoa attended the meeting and said "the Carrolls desecrated the land by grubbing the land and the Board needs to set things straight." The minutes also report Hanoa saying, "Ka`u is the last undeveloped land in the state and needs to be protected."



View along the coast from Pohue Bay, named as a special place to preserve. Photo by Nicole Rapoza of Nicole's Creations in Na`alehu

fdl

Special Places, Cont. from page 4

Don Nitsche, owner of Bouganvillea Bed & Breakfast in Ranchos, remembered when Pohue was accessible in the 1990s and said a road was open, on and off, depending on who was planning development for the area. "I love Ka'u and we have to have progress, but we need to keep it as is, as much as possible. We need to allow expansion and growth that are planned by the people who live here."

John Replogle, Ka'u's representative on the commission, said he would personally like to see the Ka'u shore protected 3,000 feet back from the coast and rules that would prohibit any building from obstructing the view of the coast and the horizon. He said Ka'u's clear night sky needs to be protected with lighting codes. "I tried to convince the County Council to make Ka'u a museum, but they wouldn't go for it," he joked.

The special places list will be sent by the commission to Mayor Harry Kim for his consideration.

Recycle Hawai'i in Pahala

Recycle Hawai'i is a 501(c)(3) Non-profit educational organization serving the Island of Hawai'i. The mission of Recycle Hawai'i is to promote resource awareness and recycling.

Volunteers are needed to help plan and implement a rural community recycling program in Pahala, Ka'u District.

For more information contact:
Pahala Community Recycling
Coordinator Sheri Lawson at 937-8121
OR
Paul J. Buklarewicz, Executive Director
969-2012

Recycle Hawai'i
PO Box 4847,
Hilo, HI 96720
(808) 329-2886 or
(808) 961-2676

www.recyclehawaii.org

*Funded by a grant from the USDA Rural Utilities Service & County of Hawai'i, Department of Environmental Management.



Handwritten notes on the left margin, including "Hawaii", "Coast", and "Ka'u".

Special Places, Cont. from page 1

Ka'alualu Bay, Kauna Point, the Great Crack, Ha'ao Springs and the entire Ka'u Coast, from Manuka into Volcanoes National Park with a 1000 foot setback from the shoreline.

At the committee's Ocean View meeting on Jan. 27, access to Pohue Bay was a popular topic. Easy access to the beach has been closed off to the public for several years by the adjacent private

landowner who owns thousands of acres between Hwy 11 and the shore. Vern Yamanaka, who manages the land adjacent to the public shore at Pohue, has said there are important petroglyphs to protect and that the carrying capacity of the land next to the beach and the road going there, for maintenance and liability purposes, require limiting the number of people driving through the property.

Citizens attending the special

Places meeting said that those who are willing to walk down a long trail are still able to go to the Pohue at no charge. One citizen reported that families and groups wanting to camp there can pay \$300 to the owners of the adjacent land, "and take 15 to 30 people down there for the weekend. This is running a business," he objected.

Another speaker said that Pohue should be open to the public, not only for the fit who can walk there, but for the young children,

handicapped and elderly.

A man said he was worried about public access to all of Hawai'i's beaches and said that a California developer is taking the community to court over public access to a beach on Kauai. Another said that Pohue should also be open to the elderly and children, at no cost. Father Bartholomew of Ocean View talked about the infirm making their way to the beach.

Continued on page 21

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Ka 'Ohana O Honu'apo:

Ka 'Ohana O Honu'apo members greeted and thanked Trust for Public Land's Hawai'i advisory members and national staff, on Feb. 13, for helping with the preservation of 225 acres along the coast at Honu'apo, from the lava flow to the pier and landing. Kupuna Margaret Dancel gave the prayer. A light rain and clap of thunder followed the blessing.

Josh Stanbro, TPL's Hawaiian Islands Project Manager, said he wanted to bring TPL's national staff and funders to see what a rural community like Ka'u could accomplish. He said TPL's mission is doubly important in areas like Ka'u, which are often underserved by government and non-profit organizations because of their remoteness and small populations.

Reed Holderman, Vice President & Regional Director for TPL, came from San Francisco and shared with Ka 'Ohana O Honu'apo president John Replogle that TPL has assisted with successful restoration of estuaries. He offered to help Ka 'Ohana O Honu'apo with information and resources.

"The visit also provided a



Ka 'Ohana O Honu'apo members greet TPL helped to broker the purchase of 225

chance for representatives from Sen. Daniel K. Inouye's office and the Hawai'i Electric Light Company to see the conservation project. HELCO provided grant funding to TPL to help cover expenses incurred in the effort to save Honu'apo and Sen. Inouye's office was instrumental in securing nearly \$1.5M in Federal NOAA funding," Stanbro said.

The Trust for Public Land can be reached at www.tpl.org. Also visit www.kaucoast.org for more about Ka'u coastal lands.

PH

Mahalo to the Trust for Public Land



Trust for Public Land board advisors and staff from Hawai'i and the Mainland. 5 acres at Honu'apo, which will become a county park.



Auntie Margaret Dancel told TPL about moving to Ka'u from Miloli'i when she was young and fishing along the coast with her family.

6/7/07 V3 N:1 **Punalu'u: the new Hokuli'a?** *Hawai'i Free Press*

by Andrew Walden

"Should we destroy our sacred lands for a money game? Help us save Punalu'u."

That sales pitch helped convince over 3,500 Big Island residents and visitors to sign petitions opposing development of the Sea Mountain resort at Punalu'u, Ka'u. But accusations are emerging that Ka'u Preservation, the group spearheading the petition drive, and Hawai'i County Councilman Bob Jacobson, Hawai'i's only Green Party elected official, are themselves involved in Punalu'u conflicts of interest. Some observers see the Ka'u development fight as an emerging repeat of the Hokuli'a dispute. Many of the same self-appointed activists who involved themselves in extracting "concessions" from Hokuli'a, before happily allowing it to be built, are now working with Ka'u Preservation against Sea Mountain Five.

At a June 4 public hearing in Na'alehu, the Hawai'i County Council will hear public testimony on resolution 169-07, Draft Two, introduced by Jacobson, whose district includes the Punalu'u area. The resolution would authorize the County Director of Finance to begin the process of negotiating purchase of approximately 150 acres of privately owned land "extending at least 2000 feet inland."

Drafts One and Two of the resolution list 20 parcels to be acquired, comprising much of the land owned by "SM Investments", developers of the controversial proposal to build a 1,000-unit condo complex and an eco-hotel in partnership with Jean Michael Cousteau. Drafts One and Two also targeted for acquisition almost all of the area Hawaiian kuleana plot owners, except one—a 1.46 acre property (TMK 9-6-001-007) located across the street from the ocean owned by Ka'u Preservation's President, Winifred Pele Hanoa and her family.

Kalei Taylor, owner of one of the targeted kuleana plots is an attorney with the City of Portland, Oregon. She was outraged to discover Hawai'i County attempting to take her family property. In a May 17 letter e-mailed to numerous Hawai'i elected officials and media, Taylor explains: "My family owns property at Punalu'u. It has been in our family from the time of my great-great-grandparents, David and Kahoopai Kahana (Kaapana) Waiiau. My great-grandparents are Kaleiluluuikalehuaakamaileamekahalaleiokeakualoawahineu'iopanaewa Waiiau Whittington and Richard "Dick" Whittington. The County Park at Honuapo is continues on page 6



It's OK for us to build a resort if we call it an eco-campus.

continuing from front page

lovingly named after him."

Ironically, Ka'u Preservation calls Punalu'u a place, "Where the... last Hawaiian lands remain intact." One of the testimonies in support of 169-07 comes from Duluth, Minnesota resident Matthew Standal who describes himself as "a white, Midwest college student" and explains he, "went Punalu'u to hear activist Pali Dedman talk about native Hawaiian rights. What he said about the importance of this beach to many native Hawaiian families and their ancestors changed my life." An Elsa K Dedman is listed as one of the co-owners of Hanoa's TMK not being targeted for seizure. Resolution 169-07, Draft Two would take land belonging to other Hawaiians such as Taylor leaving Hanoa's as the only remaining Hawaiian-owned land in the area.

Taylor points out that other property owners, "did not receive notice from the County or the Council member who is introducing this resolution 169-07." Hanoa did not respond to an email request to comment for this article.

In a May 30 article on the kuleana land dispute at Punalu'u, Kristine Kubat, a former anti-electricity protester who is now editor of *Big Island Weekly*, completely ignores the existence of Drafts One and Two writing, "The parcel (Taylor) identifies as belonging to her 'ohana is not, however, among those included in the proposal sponsored by Jacobson." The day after Kubat's article hit the streets, Jacobson emailed a previously unknown "Draft Three" of 169-07 to *Hawai'i Free Press*. This alleged "Draft Three" does not target Taylor's property or that of the other individual kuleana plot owners originally targeted for acquisition by Jacobson under Drafts One and Two.

Kubat writes, "In an early version of the resolution, (Jacobson) erroneously listed a number of parcels privately held by small landowners in the area." She quotes Jacobson saying, "It was my fault that the numbers got in there. It was never the intention to take land from any families there."

The Hawai'i County Council Clerk reported Friday, June 1 having no knowledge or record of any "Draft Three" of 169-07. The council, meeting that day, did not have

169-07 on the agenda. The Council Clerk's office posted an announcement stating the purpose of the June 4 public hearing is to discuss "Resolution 169-07, Draft Two".

Apparently Jacobson and Kubat expect the public to believe that it is just pure serendipity that the only TMK not "erroneously" included in Drafts One and Two of 169-07 belong to the President of Ka'u Preservation, Inc. Somehow nobody is expected to believe that the alleged "Draft 3" suddenly appeared because Jacobson was caught red-handed.

Kubat writes that Jacobson claims, "he has made several public attempts to clarify the mistake, including an announcement made at the May 1st council meeting when the measure was first introduced." This in spite of the fact that Jacobson, on April, 27 introduced Draft Two with language identical to Draft One targeting everyone's property except Hanoa's. Reporters were unable to find any evidence that Draft Three existed prior to Taylor's letter and reporters' investigations.

Management Plan

There are problems beyond the question of favoritism in land acquisitions. Jacobson's resolution also endorses an as-yet-unwritten management plan, bypassing any public bidding process. The resolution states: "...to ensure the public interests in accessing and utilizing the area are served into the future, Ka'u Preservation Inc. is currently working on a management agreement and plan for the area, that will include best practices for resource management and use..."

Even if Draft Three is real, the fact remains that an adjoining property owner is being invited to manage the County's property at Punalu'u. Explains Taylor, "...this raises a conflict of interest question when one person's land is exempt, and that person is also being hand picked by a contract to potentially manage and run the land surrounding her and her family's own property. This exempt land would also rise in value substantially if it is the only parcel left available for development."

As Taylor points out about, "...the Council's choice to use Ka'u Preservation, Inc. (to manage the property after acquisition) and their proposed plan. The cart is well

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Michael Mon... US Navy

new Hokuli`a? . . .

before the horse here.”

Asked about this, Jacobson claims: “There is no existing management agreement with any community organization. Such an agreement would be negotiated if this passes. Other applicants would also be examined at this time.”

Contradicting Jacobson, all three drafts of 169-07 include the following: “Whereas, to ensure the public interests in accessing and utilizing the area are served into the future, Ka`u Preservation, Inc. is currently working on a management agreement and plan for the area, that will include best practices for resource management and use...”

This indicates that the council would be devolving its’ authority to “manage” and “plan” for County property to a private organization. Jacobson would have the council vote that Ka`u Preservation’s as-yet-unwritten plan, “...will include best practices for resource management and use...” This language would be highly prejudicial to any so-called open bidding process. As a result of this language, competing bidders, public employee unions, individual members of the public, Sea Mountain Five, and adjoining property owners could seek redress in court.

Public Records Request

Hawai`i County Code Section 2-83, quoted by Taylor in a letter to the Council Clerk’s office asking for public records “ reads: “No officer or employee shall use or attempt to use the officer’s or employee’s official position to secure or grant unwarranted privileges, exemptions, advantages, contracts or treatment, for oneself or others...”

Taylor is requesting public records pertaining to Punalu`u including:

- “Copies of all information exchanged by and between Councilman Robert (Bob) Jacobson and Pele Bangay Hanoa dba Ka`u Preservation, Inc”
- “Copies of any proposed management plan by Ka`u Preservation, Inc...”
- “a copy of Councilman Jacobson’s Gift Reports...”
- “Copies of information on County back-up tapes for email and file servers on which deleted information ... may be contained”

Kubat claims in *Big Island Weekly*: “(Jacobson) has given ...everything on Taylor’s list he could find. ‘Some things can’t be provided,’ (Jacobson) explained. ‘Pele doesn’t use email.’” It is not clear why Winifred Pele Hanoa’s alleged non-use of email would prevent a proper response to a public records request. Moreover the website of Ka`u Preservation, Inc at the bottom of the page describing Hanoa’s biography contains the following: “Send an email to Pele.” When viewers click the link they are connected to pele@kaupreservation.org.

Contradicting the story told by Kubat and Jacobson, Taylor reports receiving an email containing only copies of the public testimony submitted prior to the June 4 hearing. Says Taylor: “I suppose that’s a good way to delay getting info prior to the meeting.” In her public testimony submitted prior to the June 4 meeting Taylor explains, “To date we have received documents non-responsive to the request. We have not received copies of any emails between Councilman

Jacobson and Pele Hanoa and/or Kau Preservation. Jacobson is quoted as stating that Pele has no email. So, whose email address is pele@kaupreservation.org?"

Council Resolutions require only one reading before a final vote of the full Council. Resolution 169-07 was heard by the Council Committee on Finance May 1 at which time the eight council members present voted to hold the June 4 public hearing.

Competing Developer?

Ka`u Preservation's website gives clues as to the possible content of their "management plan." Those who genuinely oppose development at Punalu`u may be dismayed. When the soothing eco-rhetoric (such as physically impossible phrases like 'zero-impact housing') is stripped out, their plans sound very much like a development including:

- create a world-class 'Eco-Campus',
- student and teacher housing,
- a cultural and educational center open to the public,
- improved parking and facilities for visitors and residents...
- ...we can create jobs and economic opportunity...

One might ask how "student and teacher" is different from "tourist and tour guide", how many square feet will the "cultural and education center(s)" be, and how many units of "housing" and "parking" are planned by Ka`u Preservation? Is this a management proposal for a county park or a competing development proposal with an unusually thick coat of what eco-activists call 'greenwash'?

Sea Mountain is also working overtime to apply a thick coat of "greenwash" to their development plans including a plan to give 56 shoreline acres to the County, provide a cultural center, a nature preserve, construct additional facilities and restore the pond.

The strong similarities between the two competing proposals is a sign that Resolution 169-07 may be part of an effort by green activists to use the power of eminent domain to remove Sea Mountain Five and install the activists themselves as the new developer. This would be one step beyond what activists did at Hokuli`a where they pretended to oppose construction of the development until \$200 million in "community benefits" were paid out. At one point, according to court documents released by Hokuli`a developers, several individual activists demanded cash payments for themselves in order to settle the suit.

Links to Hokuli`a plaintiffs

Ka`u Preservation has strong links to Hokuli`a plaintiffs and Protect Keopuka Ohana (PKO). According to the biography of President Hanoa posted on the Ka`u Preservation website, Hanoa "served for eleven years as one of the Board of Directors and Advisor for the Native Hawaiian Legal Corporation... She also serves as a member of the Board of Directors and Advisor for Keopuka Ohana, a non-profit organization working to protect the pristine environment of Hawai`i."

The Native Hawaiian Legal Corporation

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Punalu'u Lifeguard Positions on Hold

County lifeguard positions for Punalu'u will have to wait, at least until the 2009-2010 county budget. Posting paid county lifeguards at the popular Black Sand Beach where volunteer rescues are common was promoted by volunteer lifeguard and County Council candidate Guy Enriques, as well as current County Councilmember Bob Jacobson who included it in the council budget for the 2008-2009 fiscal year. Mayor Harry Kim, however, noting hard economic times, vetoed the council budget, and his own budget became law, without the lifeguard positions.

hey george -

Sat. 2/13/10

Thanks for the note. I really would love to help w/ the honu @ Kapoho. please call me

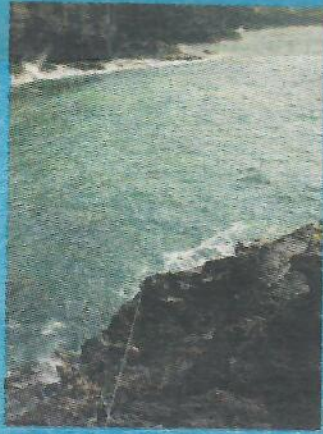
@ 989-9187 for the dates. Sorry I am so last minute. I have been chaperoning HPA kids this past week @ Kahuku Ranch

Hope all is well. My email is Dawnancla1@aol.com.

Keep in touch -

Mahalo -

Dawn



Fishing line above snags honu which is brought to shore by rescuer who cuts off lines and carries the green sea turtle back into the ocean.



Honu Rescued From Lines at Honu'apo

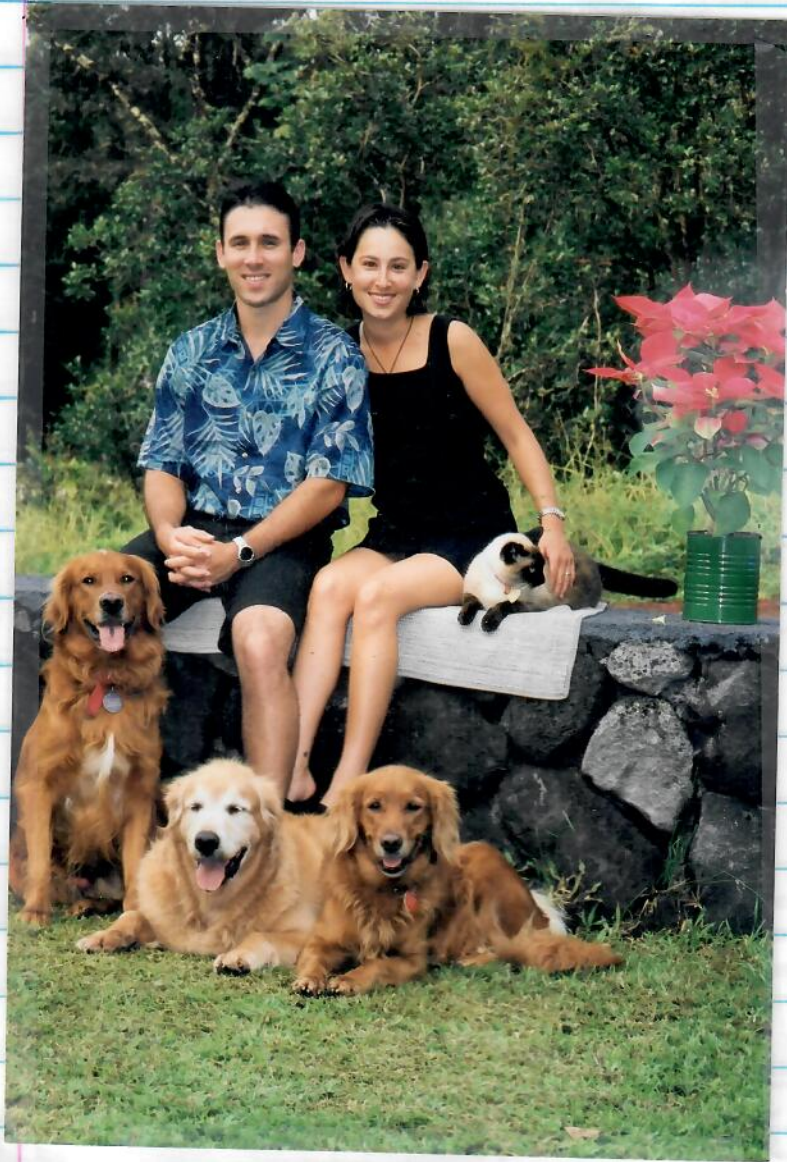
Anonymous friends saved a sea turtle caught up in fishing line between the Honu'apo cliffs and the pier on August 7. The two, who wish to remain anonymous, provided *The Ka'u Calendar* with photographs, documenting the turtle in distress and their successful effort to free it. They said the turtle's head was tangled and wrapped up in thick fishing line and it was struggling on the surface of the ocean. One rescuer quickly grabbed a snorkel, mask, fins and knife and the other grabbed a camera. One descended the face of the cliff and entered the ocean into seas that were fairly calm. The other photographed as the honu was flapping its flippers and trying to swim away. The rescuer used a fishing knife to cut the fishing line and swam with the honu back to the sea-cliffs. The rescuer hauled the honu onto

a rock and cut away the multiple loops wrapped around its neck. Fortunately, the friends said, the large hook at the end of the line was not embedded into the turtle's flesh.

While maintaining his balance, the rescuer dodged the waves as they crashed upon the shoreline rocks and gently returned the turtle back to its home. The turtle swam away quickly, the friends reported. "Thank God the turtle was spotted and freed or she could have drowned from exhaustion," the rescuer said. "The lines that the turtle were caught up in were left for about two weeks, stretching in wide zig zags from the rocks and fishing pole into the ocean to a floating buoy." The rescuer snorkled out and took the rest of the fishing line and buoy out of the water to prevent other turtles from being caught.

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Paul and Dawn

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PUNALUU PASSION

The history, culture and customs of a community come alive in a new film

By Katherine Nichols
knichols@starbulletin.com

AFTER many years in Los Angeles, filmmaker Danny Miller moved to Pahala on the Big Island and quickly found his passion in residents' dedication to nearby Punaluu.

"Families who had been there for generations wanted to get the word out," says Miller. "They wanted to show the larger community how unique and beautiful Punaluu is and why it's been such an important part of the lives of the people who live there."

A three-year labor of love that Miller calls "mostly a volunteer effort" ensued. The result is a 28-minute DVD called "The Punaluu Experience." It explores the world of the honu, or Hawaiian green sea turtle, and the fishing grounds and heiau of the area. Miller also incorporated interviews with longtime residents and kupuna who share stories about what the magical stretch of beach means to them. Marine biologists George Balazs and Jason

Turner provide a different perspective about the "living classroom and laboratory."

One look at the exceptional cinematography and footage of sea turtles hatching sets this documentary apart. And one look at Miller's credentials explains why.

Originally from Florida, the 44-year-old completed film school in Los Angeles before embarking on a documentary about the history of Catalina Island, a place that lost most of its heritage. That's why Miller, who says he's "always had kind of a thing for islands," was so impressed to find the indigenous culture in Hawaii "very much alive and growing."

In Los Angeles he spent years making documentary films for the Nature Conservancy and National Audubon Society. He also produced behind-the-scenes segments, promotional trailers and DVDs for studios such as Universal, DreamWorks, Columbia, Castle Rock, Disney, Imax and MGM. A remote plantation cottage in need of renovation proved the perfect respite from the hectic pace of Los Angeles, but eventually the part-time escape became his full-time home.

It wasn't just the elders who inspired Miller to begin this project. Students told him of camping and fishing on this land every summer to

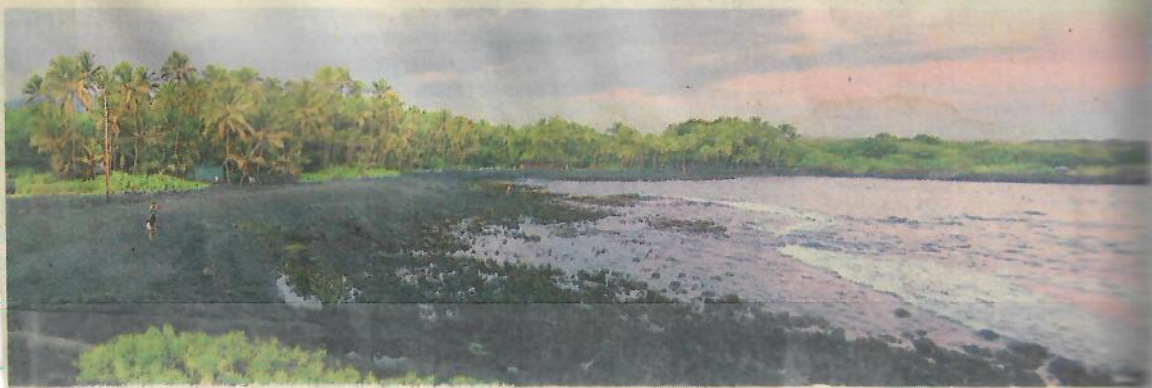
learn its history, culture and customs. "Their lives have been changed by that place, and it's really amazing," he says.

Keolalani Hanoa started the free children's program and was a vocal advocate for Punaluu. But she died in 2006 before Miller completed the documentary. He says her death was a "great loss that really inspired us to follow her vision."

Several others volunteered to finish "The Punaluu Experience." Composer Demetrios Oliveira, born and raised near Punaluu, donated a score for the film, as did Academy Award-winning composer James Horner, who allowed Miller to use selections from the soundtrack of "A Beautiful Mind."

The Hawaii Community Foundation funded the film and made it possible to distribute it to Hawaii public libraries and public schools. In the end, everyone seemed to unite behind one purpose. And that, according to Miller, is "to protect this sacred place."

To order "The Punaluu Experience," visit www.kaupreservation.org or call 928-8144. A \$25 donation (includes shipping) benefits the nonprofit group Kau Preservation, which works to protect the Kau coastline.



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The honu, or Hawaiian green sea turtle, is the central character in "The Punaluu Experience," which offers stunning views, below, of the black sand beach on the Big Island's Kau coast.

Nā Wai Nāhiku: seven steps to perfection



By Claire Kūiuleiani
Hughes,
Dr. PH., R.D.

Ohe'o Gulch in Hāna is the site of Nā Wai Nāhiku, the Seven Sacred Pools. Far mauka of the pools is the source of its water, Waimūki (whisperings of wizards) Falls. 'Ohe'o Kapo Gulch is the entire name of the gulch. It is named for the goddess Kapo and the 'ohe (bamboo) that symbolizes her. Elders say that Kapo sways like a beautiful reed in the wind. In times past, these pools were reserved for only ali'i to use and the kapu was well-guarded. Below the pools, at the mouth of waters that flow from Waimūki Falls is Kūloa Point Beach. It is said that the name Kūloa (long waiting) refers to the long periods of wait-

ing required in religious ceremonies held there in times past. Elders have said that the name Nāhiku (the sevens) refers to the trail of life toward perfection. Elders pointed out that when young people erred and their elders hoped to win them back to the ways of goodness, they would go through a prayer-guided climb through the seven pools. Nā Hiku is called sacred or fortunate for those who keep climbing toward beauty and perfection of the soul.

The climb to perfection began in the sluggish, brackish water of the pool, 'Akahi akahi (inexperienced), located nearest Kūloa Point beach. The second pool is Luakapu. Luakapu means profound, referring to the sense created by removal of a kapu, restriction or spiritual burden. 'Ekolu, the third pool, is also called "A Kō Lū Pi'i Kua," meaning "The road to perfection is a straight and narrow path." It is

third of the steps to perfection.

The name of the fourth pool, 'Eha'eha, represents the "pain and longing" of a man's spirit in its quest to perfection. Moving through the ceremony, the quest requires personal sorrow for errors committed, repentance and the will to be free from all past error. The participant is purified in this pool. It is the midpoint in the ceremony, when one can almost perceive 'Iolani, the Bird of Perfection. The easiest way to move through this pool is to swim, because the climb up the trail is difficult.

The fifth pool, Laulima, is above the bridge. Laulima symbolizes removal of the kapu or error through recognition of reverence and goodness in the soul, mind and heart. The sixth pool, Eō ano, refers to the novice "answering the call with a song in the heart." Nā Hiku, the seventh pool, is the culmination in perfection or cleansing and is the last step in reaching the stars. This is the largest pool and the high surrounding cliffs create a natural cathedral-like experience. Looking upward above Nā Hiku, all that one sees are the waterfall



Kūpuna say the name Nāhiku (the sevens) refers to the trail of life toward perfection. — Photo: LiquidLibrary

and the heavens.

It is interesting that the pool beneath the bridge is not counted in the seven steps to perfection. In fact, elders cautioned against swimming in that pool. However, today, one can witness young people jumping from the bridge into that pool. Today, protocols of our ancestors are ignored at many of Hawai'i's historic and natural sites. Hawaiians believe that break-

ing protocol always results in a burden.

The gods and guardian spirits of Hawai'i reside in the water, rocks, sand and plants around these sites. Quiet and respectful behavior and the obligation to provide care for the area are required of man. We need to demonstrate and teach our keiki and mo'opuna that traditions of respect for our spiritual guardians are always foremost.

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Guy Enriquez

Novice politician for change

3/19/2008

Big Island Weekly

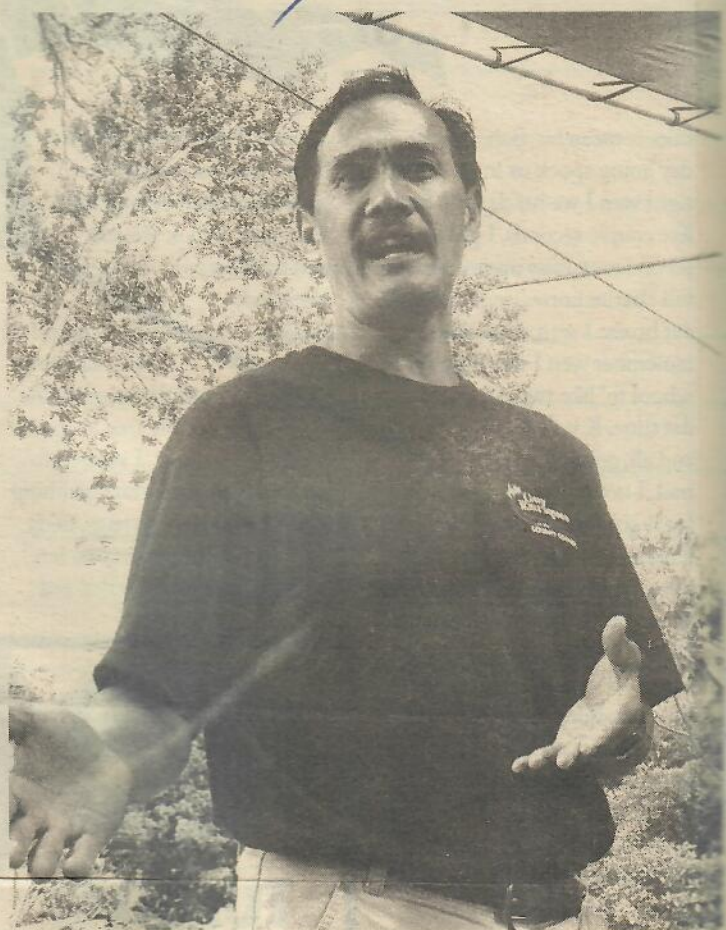
► Hadley Catalano

He's a novice politician but that is exactly what Guy Enriquez believes his district needs. So at age 53, the volleyball coach, small business owner and active member of the Ka'ū community is not waiting for change. Instead, to use a phrase he preaches to his players, he is "being the change he wants to see in the world."

Enriquez is hoping to translate his success on the courts into success on the campaign trail in his bid for the County Council, District Six (Puna, Ka'ū, South Kona) seat currently held by Bob Jacobson.

His energetic and impassioned speech to the over 40 attendees at his most recent "Meet and Greet" held in Oceanview on Sunday was held at the Princess Victoria Ka'ialani House of Greg and Gail Smith.

During the half-hour speech Enriquez sought to address these topics: "I want to answer four questions for you all today. Who's Guy Enriquez, why is he running, what is he going to do and what does it mean for you?"



HADLEY CATALANO

Guy Enriquez.

Introducing himself, Enriques explained that he is married with five sons and was born and raised in Punalu'u. His father emigrated to Hawai'i from the Philippines and his mother is Chinese/Hawaiian. She still resides at Punalu'u beach where the family continues to operate their apparel shop after 50 years.

Upon graduating from Ka'u High School in 1973, he attended universities in Hilo, Washington and Oregon, during which time he earned his Bachelor's Degree in Physical Education along with a Master's in Education.

Enriques began his teaching and coaching career in the state of Oregon. Returning home to Hawai'i in 1994, the educator worked at Hōnaunau Elementary School where he continues to coach volleyball today. Currently he is also the head men's varsity volleyball coach at Kamehameha High School in Kea'au.

In his community, this active

man helps with the family business. at Punalu'u and is a member of Ka'u Chamber of Commerce, Hawaiian Civic Club of Ka'u and 'O Ka'u Kakou.

As for the next question, Enriques provided answers through a collection of inspirational quotes.

"Man's greatest temptation is to settle for less.' I use this phrase with my players, and I am applying it to my own life," he said. "I am tired of settling for less. I'm tired of no economic growth, of our roads still being flooded, of the state of our hospital and the lack of a police presence."

He continued, "In order to get what we've never had, we must be willing to do what we've never done.' That's why I am running for council. I try to walk the talk. If I want something to change, I have to do something about it."

Enriques is hopeful that people attended his speech because they also want to see change and, more than that, he hopes they will agree he is that change. He also sought to

compare himself with the current councilor, "When I am elected I will be a true representation of the people," he claimed. "I will make myself available, approachable, and I will make decisions based on the majority because 'the needs of the many outweigh the needs of the few', and right now we are lacking in representation."

Enriques discussed the Haleiiki Road and the proposed Ali'i Parkway Bypass, explaining that the county wants to open the road for a three-month trial period. The plan is to operate it one way from 3:30-6:30 p.m. to ease the traffic congestion in Kainaliu, but opposition is coming from residents of Haleiki St. and, according to Enriques, Jacobson has said no to the trial run.

"He should be fighting for us," declared Enriques. "Our district runs from Middle Ke'ei to Kautistown. We're the ones sitting in the traffic. We should be informed

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Enriques launches Council campaign

2/7/08

by Andrew Walden

Honolulu Free Press

An overflow crowd spilled out on to the lawn of the Pahala Community Center January 26 as Ka'u community leader Guy Enriques kicked off his campaign to win the Hawai'i County Council District 6 seat. District Six includes Puna Mauka, Ka'u and South Kona.



Guy Enriques

Enriques told the rally, "I'm tired of settling for less. The roads flood, there is no economic growth, and the schools need help. Our land is protected, but the people are neglected. We still have only two police officers to patrol a district the size of O'ahu."

Enriques' opponent, incumbent councilmember Bob Jacobson has lost support in the community after backing Ka'u Preservation, Inc, (KPI) a group whose leaders include a convicted drug dealer. Jacobson spent most of 2007 pushing a resolution directing the County to buy land at Punalu'u, Ka'u occupied by the remains of the 1970s-era Sea Mountain Resort. In its original form, Jacobson's resolution 169-07 would also have seized the kuleana plots of native Hawaiians at Punalu'u—except for the plot owned by KPI leaders. 169-07 would have handed management of the properties to KPI. Other Council members rejected these moves and amended the resolution before passing it. Reports indicate that the terms offered in the resolution are not acceptable to Developers who want to re-vitalize the former resort and negotiations are at a standstill.

V4 N3

Jacobson's group so outraged the community that Hawai'i County Mayor Harry Kim continues on page 4

Enriques launches Council campaign

continuing from front page

Commissioned an \$80,000 professional study to confidentially survey resident's opinions. The Ka'u Listening Project Report: "There were over 15 stories of physical and mental intimidation and violence that were related to the field team. These stories have been sent to the proper authorities." (p 91) Quotes from interviews conducted in August and September 2007 include: "The blood will flow in the streets [if the resolution does not pass]. I can't wait to see that day." (pg 86) "Blood might be in the streets and it won't be my fault." [KPI board member] (pg 87)

Jacobson's response to the report containing interviews with 551 of his constituents: "Just so much paper to be recycled."

Enriques told the Pahala rally: "Man's greatest temptation is to settle for less. We have to change for change to happen. We need true representation and constituent service. We've been divided. In each community there are organizations trying to make the community better. I want to empower those organizations."

Campaign strategist Dylan Nonaka, whose day job is Governor Lingle's East Hawai'i Liaison, pointed out that hundreds of people were at the rally and only about 2000 votes are needed to win the council race on Primary Day, September 23. Campaign staff counted 375 people signing in at the rally. Nonaka said the incumbent had "been taking the community down a really weird road."

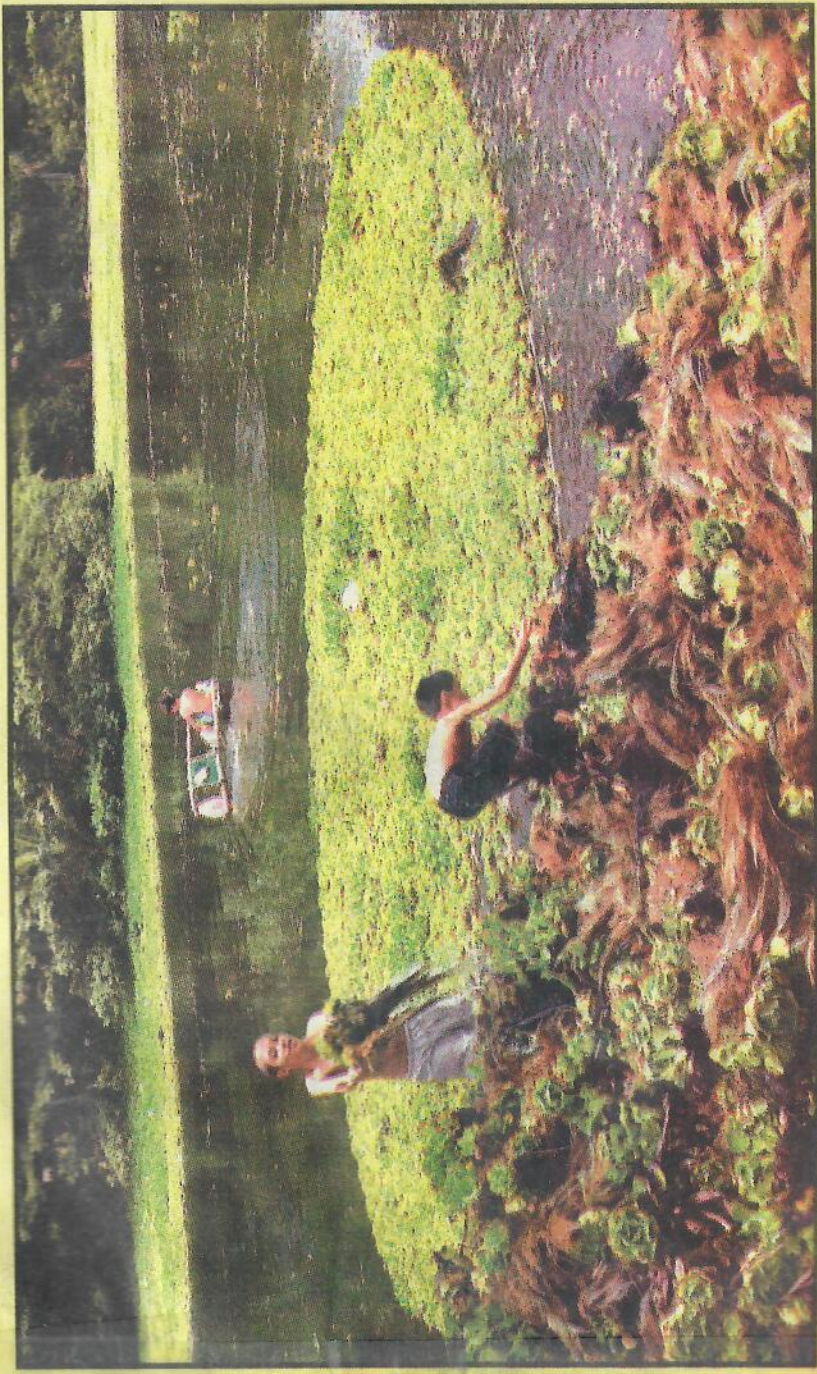
Andy Baclig a former council staffer running for the Council District 4 seat told the crowd, "If you campaign like this, there is no question Enriques is going to win."

THE KA'Ū CALENDAR

The Good News of Ka'ū, Hawai'i

Volume 5, Number 8

Hearing on Punalu'u Park Purchase S



Cleaning up the Pond

Community members from throughout Ka'ū joined together in May to clean an invasive aquatic plant that has been choking the pond at Punalu'u Park. *Photo: [unreadable]*

dear george -

JAN 2009

a happy new year to you!!

Wow mahalo for the honu book,
I love it. You truly have inspired
so many lives / honu in Hawaii'i
+ the world w/ your knowledge & love.
I always am glad to see your
face & name all over honu material.

One day, let me know when you
get back to Hilo, we can do
lunch or help w/ whatever.

Have a great year.

Mahalo again!!

Dawn

HCRI

HCRI Box 504 (Patterson)

Kea'au, HI 96749



Thank
you

HCRI

HCRI Box 504 (Patterson)

Kea'au, HI 96749

981

Seawords

July, 2007 • Volume XXI • Number 7



UH Hilo MOP Turtle Tags with NMFS

Jason Trimble, UH-Hilo MOP Student Coordinator

The University of Hawai'i at Hilo's Marine Option Program (MOP) teamed up with the National Marine Fisheries Service and sea turtle scientist George Balazs to conduct turtle tagging at Punalu'u Beach Park in Ka'u, Hawai'i earlier this month. Three separate classes led by UH Hilo professor Dr. Jason Turner assisted Balazs with his research. The turtle tagging program has been utilizing undergraduate students for turtle research since the 1970's and has become a flagship activity for UH Hilo MOP, which has participated in the program for almost three decades.

Balazs has conducted much of his research on French Frigate Shoals in the Northwestern Hawaiian Islands, which is the primary nesting site of Hawai'i's green sea turtles, with 90-95 percent of the population

nesting there. Some of his early research showed a decline in nesting female green sea turtles, which resulted in the species being listed as endangered in 1978 under the provisions of the Endangered Species Act. Due to conservation efforts in the state, as well as at the federal level, the status of the green sea turtle has since been lowered to threatened as populations rebuild in Hawai'i.

This marine reptile (*Chelonia mydas*) is native to the Hawaiian Islands and is the most common sea turtle found locally. Green sea turtles get their name from the body fat coloration, which is tinted green due to a diet of mostly seaweed. Although the turtles can weigh up to 400 pounds, most found at Punalu'u are classified as sub-adults and weigh less than 100 pounds.

Punalu'u Beach Park has always been a place where green sea turtles are found in high densities feeding on the *Pterocladia* seaweed inside the bay. In the past few years as threats of hunting have waned, the number of sea turtles basking on the black sand beach has increased.

continued on page 8

...Turtle Tagging, from page 1

dramatically. Some days there may be up to a dozen turtles resting on the beach.

When the Punalu'u turtle tagging project was first started by Balazs in the 1970s, nets were used at night to catch the turtles in the bay. This strategy required an overnight camping trip – usually multiple nights – in order to get enough turtles tagged for research. Overall, it required extensive time and labor and reflected a disturbingly low green sea turtle population.



MOP students hold a turtle upright so George Balazs can measure the width of the shell to estimate mass

Photo taken by Melissa Netze

Thanks to Balazs and the Endangered Species Act, the process has changed and is easier for researchers. Now, three teams of five to six people swim out to catch turtles and place them on a float, which consists of an inner tube with a plywood base. After the turtles are captured, they are brought to the beach where data are collected. The job requires quite a bit of strength, with the largest turtle captured during this trip weighing approximately 150 pounds. In addition, these seemingly slow moving marine reptiles are quick and powerful swimmers and can easily shake one or two experienced swimmers with ease; thus careful teamwork was required.

After the student teams returned to the beach with the captured turtles, Balazs got to work. Measurements of the carapace length and width were taken, and mouth contents were analyzed. The turtles' tags were recorded, and, if needed, another was inserted. In the past, tags were attached to the armpit of the flippers, but now electronic PIT tags are inserted under the skin in the rear flipper. Fibropapillomatosis is a tumor forming disease that can severely affect green sea turtle health. The turtles at Punalu'u demonstrate high site fidelity, with Balazs finding the same turtles at this location year after year. Some turtles caught on this most recent research trip had been tagged back in the early 1990s by past MOP trips. This data can show how fast these turtles develop, and assess the impact of fibropapillomatosis tumors, which have shown to be in

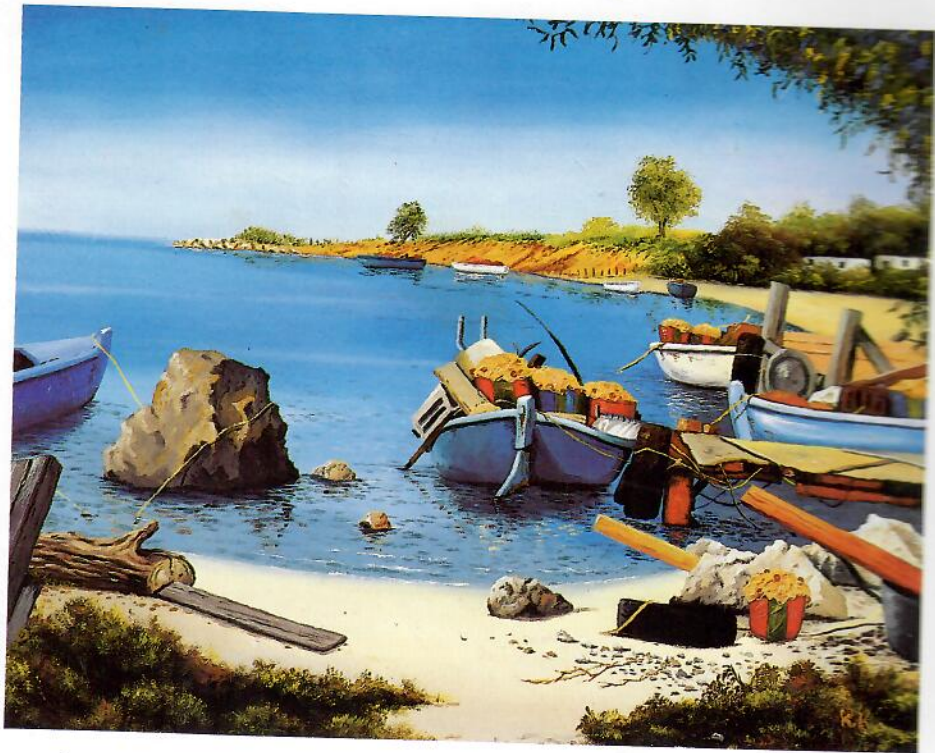
At the same time that the turtles being captured, processed, and released, a separate group of students worked on public relations. Punalu'u is considered to be one of the best black sand beaches on the Big Island; in addition it's the best place to view green sea turtles in their natural environment. As a result, the beach is a popular tourist destination. At any given time there were dozens of tourists surrounding the sampling station asking questions. Students were armed with pamphlets with the research activities in many different languages and were instructed to answer questions and dispense literature on the threatened sea turtle. This educational part of the project is considered to be just as important as the data itself. It is not uncommon that local residents express concern about the handling of the sea turtles so the utmost care is given throughout the research process. Without the approval of the local residents it would be impossible to conduct such a successful research and educational outreach program at Punalu'u.



MOP students hold a turtle upright so that George Balazs (holding calipers) can measure the width of the shell to estimate mass. Photo taken by Melissa Netze

The importance of this research site is undeniable. The area has been one of the longest studied areas in green sea turtle research in Hawaii. It boasts a low tumor rate among its population and even receives an occasional visit from an endangered nesting hawksbill sea turtle.

Despite this importance, the area is being considered for development. Many argue that this proposed development will interfere with the scientific and cultural importance of the site, and has thus made it a political hotspot. An alternative plan under consideration is for the state to purchase the land from the large-scale developers in order to preserve it for educational and cultural purposes. This proposal is getting a great deal of support. Hopefully with the cooperation of either the developers or the government the site can be maintained and used many years down the road for future MOP students to come.



Mrs. Jeanette Howard
 PO Box 4
 Pahala, HI 96777

Tues Nite - 19-10-09

Dear Linda + George,

First I'd like to say congratulations

Grandpa George and Granny Linda.

What a nice surprise and thank you very much for the pictures too.

Grand baby is about five months old now.

You two guys, just like taking care of your kids when they were little or that age.

And oh! our pictures turned out, not bad that Irene took.

I received the pkg. of brochures also. I like them all especially the ones for the kids where they can learn all about the different kinds of home and get to color the pictures too.

They come in handy for me to give a copy to a visiting class or children from the US. I give one copy to the teacher and she can make copies for her students and or other students who are interested as a learning project.

Do you think you can bring me more of these learning (no nā honu) sea turtles when you come next year to tag turtles?

The first nest already hatch and it was at nite.

The second one 43 last nite and they will be excavating the nest tomorrow. Three more

nests to go after this one. This same Wahiwe made 5 nests all within the same area.

Otherwise all is okay so far. Again,
Māhilo plenty.

Love,

Jeanette



Mrs. Jeanette Howard
PO Box 4

**Help Protect Hawaii's
Magnificent Marine Animals**

JUNE 2007

That huge, lukewarm pond that laps at the Big Island's shores is alive with wildlife. Some of these animals, like humpback whales, Hawaiian monk seals and sea turtles, are considered endangered species and are protected by federal laws. Dolphins and other whales, though not endangered, are protected by the Marine Mammal Protection Act.

Hawaii's marine mammals are fascinating and easily observed creatures, which is one reason nature-based tourism is a popular segment of the visitor market. Scores of tour boat companies and water-based activities on the Big Island cater to whale and dolphin watching.

During the winter humpback season, it's common to see 40-ton whales with 15-foot pectoral fins breaching offshore, and resident spinner dolphins can be seen flashing through the surf any day. It's not unusual to come across sea turtles feeding near the shore. And occasionally a critically endangered Hawaiian Monk Seal, sometimes with a pup, will haul out on a beach and come into view.

Most commercial operators abide by federal laws intended to protect Hawaii's marine mammals and sea turtles from harassment, injury and death. The average visitor may not be as well informed. Laws are enforced, illegal activities are prosecuted and fines are administered.

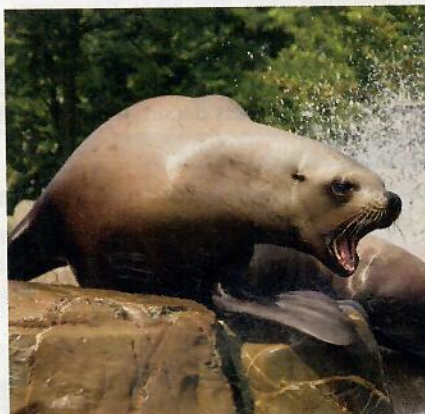


Photo by iStockphoto

Here are some rules and guidelines to follow when viewing marine wildlife:

- View marine wildlife from a distance. Consider binoculars.
- Stay at least 100 yards from humpback whales, 50 yards from dolphins, monk seals and sea turtles.
- It is not illegal for an animal to approach you, but it is against the law to approach, chase, surround, touch or swim with marine mammals, including dolphins.
- If approached by a marine mammal or turtle, put the engine in neutral and allow the animal to pass.
- Do not harass, swim with, hunt, capture or kill any marine mammal.
- Limit observation time to 30 minutes.
- Avoid approaching whales or dolphins if another vessel is in the area.
- Feeding marine mammals is prohibited under federal law.
- To report suspected violations, call the NOAA Enforcement Hotline at 1-800-853-1964.

For more information, check with the Hawaiian Islands Humpback Whale National Marine Sanctuary in Kihei (1-800-831-4888), the NOAA/National Marine Fisheries Service in Honolulu (1-808-973-2937) or the Department of Land and Natural Resources in Honolulu (1-808-587-5404).

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Meet Hawaii's THE Big Island Endangered Sea Turtles 101 Things to Do

It's as common to see a giant Green Sea Turtle as it is rare to catch a look at the nearly extinct Hawksbill Sea Turtle. Both species are considered endangered, but the Hawaiian hawksbill population is estimated at less than 30 nesting turtles. Named for its sharp, beaklike mouth, a hawksbill can weigh up to 270 pounds, much smaller than the hulking green sea turtle, which sometimes weighs in at 400 pounds. Hawksbill turtles are known for their beautiful exterior shell, often referred to as "tortoise shell," which was exploited for many years by the fashion industry and has driven the species almost to extinction.

In an effort to educate people about this little known and critically endangered species, the Snorkel Bob Foundation has produced an award-winning film called "Hawksbill Babies at Oneloa." The film shows a rare daylight hatching. A stand-alone version of the dvd, introduced by Snorkel Bob, is free to educators on the condition that the dvd is shown to 50 students and/or friends. Copies are available at snorkelbob.com.

Kahalu'u Beach Park, about six miles south of Kailua-Kona on Ali'i Drive, is a good place to come face-to-face with sea turtles. They also are commonly seen at Honaunau Bay near the Place of Refuge.

Green Sea Turtles, unlike the Hawksbills, are often featured in films about Hawai'i, and regularly appear live on ocean excursions. Watch for them feeding on seaweed that grows on the rocks in shallow areas. Called honu in Hawaiian, the turtles are referred to as green not for the color of the algae growing on their backs, but for the color of their meat. Yep, it's green.

It is believed that Hawaiian Green Sea Turtles can live up to 80 years and most don't reach sexual maturity until they are about 25 years old, sometimes taking twice that long. Turtles, like salmon,

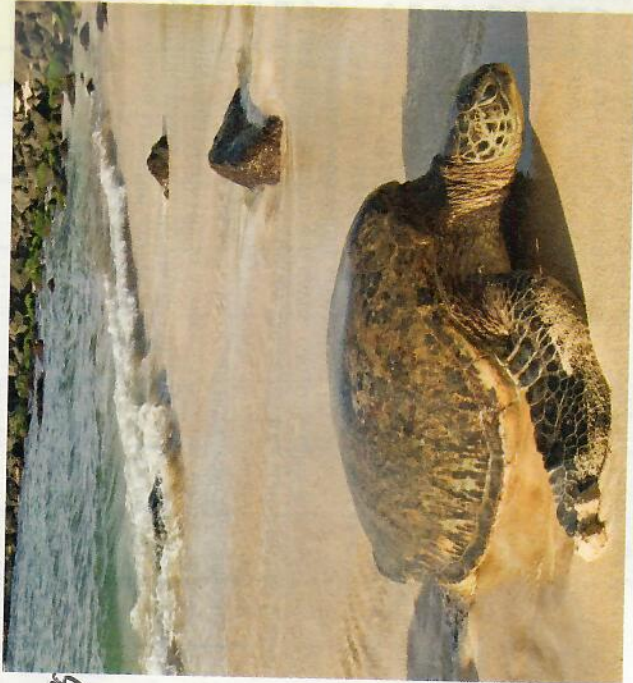


Photo by iStockphoto

return to where they were hatched to lay their eggs. Every second or third year, turtles migrate hundreds of miles to nest. Each female will lay two or three clutches of 100 to 110 eggs each before swimming back to its favorite resting and feeding area in the protected waters of the inshore reef.

Look but don't touch. Protected by the Endangered Species Act, it's against the law to harass both Hawksbill and Green Sea turtles in any way, including touching. So if you see one when you're snorkeling, give it 10 to 15 feet of space and enough room to surface and breathe.

June 2007

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10-28-09 HSB
'Uncle George, ever entertaining as he showcased ancient hula in modern world

BIG PRESENCE



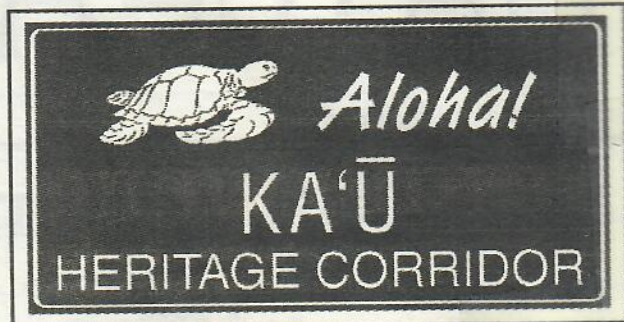
The annual Merrie Monarch Hula Festival in Hilo will seem considerably subdued without "Uncle George," Naope — and it's not just because of the flashy clothes. The beloved hula master died Monday at age 81. At the Merrie Monarch, an event he launched with Dorothy "Auntie Dottie" Thompson in the 1960s, Naope was a one-of-a-kind presence, often holding court from a peacock-tan wicker chair when not firing up the crowds.

Born on Oahu and raised on the Big Island, Naope studied hula under his great-grandmother Mary Malia-Pukaokalani Naope and then with kumu hula 'Iolani Luahine and "Mama" Fuji, mother of Auntie Edith Kanaka'ole. He would later teach in Hawaii, the mainland and abroad, including in Japan, Guam, Australia and Germany. In 2006 the National Endowment for the Arts awarded its highest honor for the folk arts to Naope. Diminutive yet larger than life, Naope has left a rich legacy of Hawaiian culture here and throughout the world. Aloha, Uncle George.

Turtle Markers Line Ka'ū Cor

Turtles are now swimming along Hwy 11 on brown and white signs, drawing motorists' attention to points of interest along the Ka'ū Heritage Corridor. The corridor, which starts at Manukā State Park and ends at The Ka'ū Desert Trailhead, has a corresponding drive guide, which points out to visitors and residents alike, special places along the highway. The signs were put up in mid-May.

The guide tells some history of Ka'ū and mentions highlights such as Honu'apo, Punalu'u Black Sand Beach, historic buildings in Pāhala, Wood Valley Temple, Kula Kai Caverns, Ka Lae (South Point) and Mahana Bay. It gives facts about the area, drive times, travel



tips, Hawaiian pronunciations and instruction on respecting turtles and Ka'ū's special places. Golf course, gas stations, accommodations and restaurants are also listed.

The goal of the guide is to help visitors understand more about the areas they

ridor of Heritage Sites

are driving through, "instead of just driving from point A to point B," said Skylark Rossetti, HIEDB senior project manager and also a radio personality on KAPA. She said that many of our island residents might not know about these "cool places," and using the guides they can stop and learn more about a place or do a driving tour with their family.

Rossetti mentioned some of the key people who helped with the project: Marilyn Nicholson, of Volcano Art Center; Marge and Dennis Elwell, of Nā'ālehu Main Street; Brenda Domondon, coffee

farmer; Teresa Alderdyce, of the Ka'ū Family Center; Marya Schwabe, of Wood Valley Temple; Leina'ala Enos, of Queen Lili'uokalani Children's Center.

The heritage corridor project started in 2004 with the Hāmākua Coast and moved on to Volcano. HIEDB hopes to continue the project around the island.

To see the drive guides online, visit www.hiedb.org/Driverguide.htm. Drive guides are also available in businesses in the district. People interested in getting a guide or distributing the guides can visit the HIEDB located in downtown Hilo at 117 Keawe St. or call 935-2180.

571

4130 404 92B

407 A4A 237C

K499

L → 435 B50 0113

9/26/08
Night

Danielle
Woodward

Sea Turtles Love Grass

I decided to go diving at Papohaku for my Sunday day off, and after an hour or so looking for shells in the surf line I decided to come out. As I was getting ready to exit the water I looked behind me and saw a large outline passing by. At first I thought shark but it was a large turtle. I felt drawn toward it and swam a couple of strokes then remembered the \$10,000 fine for harassing sea turtles. I stopped and hung motionless. The turtle stopped, turned around, and came one arm's length from me and hung in the water motionless. It bowed its head for me to stroke. I desperately wanted to touch it but remembered its endangered status. It looked up at me

with sparkling blue-black eyes despite the thick green algae on its shoulders. Then, satisfied that it had given this temporarily frozen person a good look, it flapped a fin and was gone.

I couldn't help but tell all about my amazing experience. My landlord and landlady shared that they were in the ocean also in Hilo with Japanese tourists who were bombarded with turtles doing the same thing. They confided that the locals usually feed them fresh lawn clippings and that's probably what they were looking for.

Karen Ashley

The
MOLOKAI
DISPATCH 8/10

OBJECTIVES OF THE NMFS/HPA MARINE TURTLE RESEARCH PROJECT AT KEAWA NUI, SOUTH KOHALA, HAWAII

OVERALL: To ensure the long-term conservation and biological recovery of marine turtles in the Hawaiian Islands and the habitats upon which they depend.

SPECIFIC OBJECTIVES:

1. To determine the approximate number of turtles and their size-classes, by species, resident to this location.
2. To determine the types of life-support activities undertaken by the turtles.
3. To ascertain the food sources utilized by the turtles.
4. To calculate growth rates and estimated ages at sexual maturity.
5. To determine adverse impacts to the turtles, both from humans (i.e., fishing nets, rubbish) and from natural factors (i.e., parasites, shark predation).
6. To estimate the recruitment rates of juvenile turtles to the Keawa Nui population from pelagic habitats.
7. To determine coastal movements and breeding migrations being undertaken by the turtles.
8. To examine the health status of the turtles with regard to the fibropapilloma (tumor) disease affecting other Hawaiian sea turtles.

METHODOLOGY: The above objectives will be accomplished by establishing a group of tagged turtles at Keawa Nui for longterm monitoring to compare with groups of tagged turtles currently under study elsewhere throughout the Hawaiian Islands.

A semicolon is used to separate independent clauses or to divide a series of longer phrases.

An apostrophe is used to indicate the possessive case of nouns, to form a contraction, and to form the plural of a letter or number.

A hyphen divides one word into syllables or joins multiple words.

Quotation marks are used around the exact words someone spoke. Use with titles of songs, short stories, chapter titles, short plays, episodes of television programs, magazine articles, and poems.

Underlining is used with the titles of books, movies, newspapers, television programs, magazines, and long plays.

Green turtles tagged and resighted at Punaluu Bay by the National Marine Fisheries Service
in collaboration with the Marine Option Program of the University of Hawaii at Hilo, 1981-2009
(Total Expeditions = 65)

compiled by
Marine Turtle Research Program
NOAA, National Marine Fisheries Service
Pacific Islands Fisheries Science Center
2570 Dole Street
Honolulu, HI 96822-2396
gbalazs@honlab.nmfs.hawaii.edu

Study Dates	Total No. Captured	No. Newly Tagged	No. Tag Resightings	Total No. Tagged in Population to Date
July 26-28, 1981	6	6	0	6
Sep. 24, 1983	2	2	0	8
Nov. 26, 1983	3	3	0	11
Dec. 15-19, 1983	12	9	3	20
Jan. 8-10, 1984	13	9	4	29
Feb. 17-19, 1984	12	10	2	39
March 24-27, 1984	30	21	9	60
April 13, 1984	2	1	1	61
May 14-17, 1984	11	7	4	68
June 26-28, 1984	13	7	6	75
March 23-25, 1987	6	4	2	77
March 21-23, 1988	3	3	0	80
April 10-12, 1989	14	10	4	90
April 9-10, 1990	12	7	5	97
July 17-18, 1990	13	6	7	103
Nov. 27-28, 1990	17	5	12	108
April 23-24, 1991	20	4	16	112
July 16-17, 1991	15	3	12	115
Nov. 12-13, 1991	22	8	14	123
April 14-15, 1992	15	4	11	127
July 14-15, 1992	22	3	19	130
Nov. 17-18, 1992	26	10	16	140
April 13-14, 1993	23	12	11	152
July 13-14, 1993	16	2	14	154
Nov. 30-Dec. 1, 1993	24	9	15	163
April 5-6, 1994	27	7	20	170
July 5-6, 1994	29	3	26	173
Oct. 6-7, 1994	27	4	23	177
April 20-21, 1995	31	3	28	180
July 5, 1995	13	1	12	181
Nov. 28-29, 1995	21	3	18	183

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Feb. 8-9, 1996	26	4	22	187
June 25-26, 1996	19	1	18	188
Nov. 14-15, 1996	18	4	14	192
Jan. 23-24, 1997	18	2	16	194
April 4, 1997	3	0	3	194
June 6, 1997	2	0	2	194
July 22-23, 1997	12	0	12	194
Nov. 20-21, 1997	16	4	12	198
Feb. 19-20, 1998	20	4	16	202
July 14-15, 1998	21	0	21	202
Dec. 1-2, 1998	16	5	11	207
Feb. 16-17, 1999	20	2	18	209
June 29, 1999	28	1	27	210
Nov. 16-17, 1999	21	0	21	210
July 11, 2000	15	3	12	213
Oct. 15, 2001	16	2	14	215
April 24, 2002	16	7	9	222
July 17, 2002	11	2	9	224
October 30, 2002	13	2	11	226
April 9, 2003	12	2	10	228
November 19, 2003	13	2	11	230
March 10, 2004	18	4	14	234
July 7, 2004	12	1	11	235
February 2, 2005	17	3	14	238
June 29, 2005	10	1	9	239
November 7, 2005	14	1	13	240
June 14, 2006	13	2	11	242
June 20, 2007	15	4	11	246
November 15, 2007	15	3	12	249
April 17, 2008	12	0	12	249
July 23, 2008	15	1	14	250
September 26-27, 2008	14	3	11	253
March 12, 2009	13	0	13	253
October 29, 2009	12	0	12	253

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March 10, 2004	18	4	14	234
July 7, 2004	12	1	11	235
February 2, 2005	17	3	14	238
June 29, 2005	10	1	9	239
November 7, 2005	14	1	13	240
June 14, 2006	13	2	11	242
June 20, 2007	15	4	11	246
November 15, 2007	15	3	12	249
April 17, 2008	12	0	12	249
July 23, 2008	15	1	14	250
September 26-27, 2008	14	3	11	253
March 12, 2009	13	0	13	253
October 29, 2009	12	0	12	253
June 30, 2010	15	4	11	257

Green turtles tagged and resighted at Punaluu Bay by the National Marine Fisheries Service
in collaboration with the Marine Option Program of the University of Hawaii at Hilo, 1981-2010
(Total Expeditions = 66)

compiled by
Marine Turtle Research Program
NOAA, National Marine Fisheries Service
Pacific Islands Fisheries Science Center
2570 Dole Street
Honolulu, HI 96822-2396
gbalazs@honlab.nmfs.hawaii.edu

Study Dates	Total No. Captured	No. Newly Tagged	No. Tag Resightings	Total No. Tagged in Population to Date
July 26-28, 1981	6	6	0	6
Sep. 24, 1983	2	2	0	8
Nov. 26, 1983	3	3	0	11
Dec. 15-19, 1983	12	9	3	20
Jan. 8-10, 1984	13	9	4	29
Feb. 17-19, 1984	12	10	2	39
March 24-27, 1984	30	21	9	60
April 13, 1984	2	1	1	61
May 14-17, 1984	11	7	4	68
June 26-28, 1984	13	7	6	75
March 23-25, 1987	6	4	2	77
March 21-23, 1988	3	3	0	80
April 10-12, 1989	14	10	4	90
April 9-10, 1990	12	7	5	97
July 17-18, 1990	13	6	7	103
Nov. 27-28, 1990	17	5	12	108
April 23-24, 1991	20	4	16	112
July 16-17, 1991	15	3	12	115
Nov. 12-13, 1991	22	8	14	123
April 14-15, 1992	15	4	11	127
July 14-15, 1992	22	3	19	130
Nov. 17-18, 1992	26	10	16	140
April 13-14, 1993	23	12	11	152
July 13-14, 1993	16	2	14	154
Nov. 30-Dec. 1, 1993	24	9	15	163
April 5-6, 1994	27	7	20	170
July 5-6, 1994	29	3	26	173
Oct. 6-7, 1994	27	4	23	177
April 20-21, 1995	31	3	28	180
July 5, 1995	13	1	12	181
Nov. 28-29, 1995	21	3	18	183

Study Dates	Total No. Captured	No. Newly Tagged	No. Tag Resightings	Total No. Tagged in Population to Date
Feb. 8-9, 1996	26	4	22	187
June 25-26, 1996	19	1	18	188
Nov. 14-15, 1996	18	4	14	192
Jan. 23-24, 1997	18	2	16	194
April 4, 1997	3	0	3	194
June 6, 1997	2	0	2	194
July 22-23, 1997	12	0	12	194
Nov. 20-21, 1997	16	4	12	198
Feb. 19-20, 1998	20	4	16	202
July 14-15, 1998	21	0	21	202
Dec. 1-2, 1998	16	5	11	207
Feb. 16-17, 1999	20	2	18	209
June 29, 1999	28	1	27	210
Nov. 16-17, 1999	21	0	21	210
July 11, 2000	15	3	12	213
Oct. 15, 2001	16	2	14	215
April 24, 2002	16	7	9	222
July 17, 2002	11	2	9	224
October 30, 2002	13	2	11	226
April 9, 2003	12	2	10	228
November 19, 2003	13	2	11	230
March 10, 2004	18	4	14	234
July 7, 2004	12	1	11	235
February 2, 2005	17	3	14	238
June 29, 2005	10	1	9	239
November 7, 2005	14	1	13	240
June 14, 2006	13	2	11	242
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Mauna Kea Science Reserve of Hawai'i Observatory astronomical observatory complex

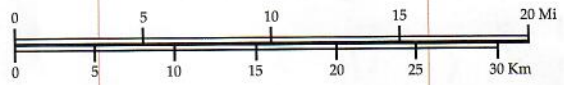
MAUNA KEA
x 13,796

Mauna Kea State Recreation Area
Elison Onizuka Astronomy Complex

Northeast Rift Zone
AWAII VOLCANOES

NATIONAL PARK

2000





*Outrigger Keauhou
Beach Resort*