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GEORGE BALAZS

2 OF 2



Teenagers from Molokai and Maui work on the cupola atop Ka Honua Momona's new office.

## Group restoring Molokai fishponds also builds an office



S-A  
7/25/2011  
NINA WU  
THE GREEN LEAF

**D**ozens of youths have been working long and hard hours this month at Alii Fishpond on South Molokai.

Teenagers from the island and Hana High and Elementary School's building program on Maui, Ma Ka Hana Ka 'Ike, are busy building an office, restrooms, a traditional hale and a performance platform.

The facilities are for Ka Honua Momona ("the fertile land"), a nonprofit group with the mission of being "a model of sustainability mauka a makai."

Ka Honua Momona, which is restoring the Alii and Kalokoeli fishponds a few miles east of Kauhakakai, fosters connections between all aspects of the island ecosystem, including the people and the culture.

"We firmly believe that Molokai can again return to abundance and become a self-sufficient model for all nations," says Ka Honua

Momona in its mission statement.

Having recently secured a 35-year lease for both fishponds along with the nearly 1.5 acres of adjacent Hawaiian homestead land, Ka Honua Momona wanted its new office to be sustainable, reflecting its mission, according to Executive Director Kauwila Hanchett. Initially, it was going to be a metal container office with an enclosed overhang, but the group had another vision.

"We don't have many examples of green building in our community," she said.

The Ka Honua facility will use sustainable building materials, composting toilets and a gray water system, with water from the showers and sinks going to irrigate native plants. The group is still raising funds for its solar water and photovoltaic systems, but the plan is to tie into the grid.

There will be plenty of windows to let light in natu-

rally, vertical ventilation, nontoxic paint and a cupola-style roof to keep the office cool.

After doing research, the group decided to go with a pre-packaged "green" building from Deltec and is partnering with the Hana school to construct it.

Once upon a time, Molokai was considered one of the most prosperous of the Hawaiian islands due to the abundance of its fishponds.

Molokai had enough fish to share with others throughout the island chain. It was once known as "aina ma mona," another phrase for fertile land.

Now Molokai is one of the poorest isles, with a higher unemployment rate than elsewhere in the state. But it is also one of the few remaining isles with unspoiled land and no high-rise developments.

Many residents already live a "sustainable" lifestyle without necessarily using that buzzword, Hanchett said.

The fishponds are outdoor classrooms for groups throughout Hawaii, and by removing invasive species and caring for the fish, the

group hopes to bring Molokai back to its full potential.

"We're trying to return to that abundance and those values that our kupuna live by as far as being good stewards of the land and caring for our resources," Hanchett said.

She said Hawaiians have always had an innate connection to the sea and land, but unfortunately that bond can sometimes get lost with modern living.

"The challenge is in trying to translate that aloha aina (love for land) to every choice that we make. We already have that love for the land and understanding of that reciprocal relationship. Our goal is to help translate that love for the land to making greener choices."

And on Molokai you can't get away with talking about it without doing it, she said.

Ka Honua Momona is still seeking donations to complete its project. Visit [www.kahonuamomona.com](http://www.kahonuamomona.com) or call 553-8353.

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176

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**Rise and Fall over 26 Years of a Marine Epizootic in Hawaiian Green  
Sea Turtles**

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## Rise and Fall over 26 Years of a Marine Epizootic in Hawaiian Green Sea Turtles

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**ABSTRACT:** Estimates of chronic disease prevalence are needed to improve our understanding of marine disease epizootiology, which is poorly known for marine megafauna such as marine turtles. An emerging worldwide threat to green sea turtles (*Chelonia mydas*) is fibropapillomatosis (FP), which is a pandemic tumor-forming disease associated with herpesviruses. We report on a 26-yr FP epidemic in the Hawaiian Archipelago and show that apparent disease prevalence in the world's main endemic hot spot increased rapidly following a late 1980s outbreak, peaked during the mid-1990s, and then declined steadily ever since. While this disease is a major cause of sea turtle stranding in Hawaiian waters and can be fatal, we also show that long-term tumor regression can occur even for turtles with advanced FP. The endemic Hawaiian green turtle stock was severely depleted by overexploitation prior to protection under the US Endangered Species Act in 1978. This stock has increased significantly ever since, despite exposure to a major chronic disease epidemic that is currently declining.

**Key words:** *Chelonia mydas*, fibropapillomatosis, green sea turtle, marine epizootic.

Chronic and acute diseases are a major concern for the health of human populations and are subject to extensive research (Anderson and May, 1991). While our knowledge of acute disease impact on free-ranging marine wildlife is increasing (Harkonen et al., 2006), this is not the case for chronic diseases; this is mainly due to a paucity of long-term information on disease prevalence or incidence (Harvell et al., 1999; Lloyd-Smith et al., 2005). The green sea turtle (*Chelonia mydas*) is one of the long-lived late-maturing vertebrates that comprise the charismatic marine megafauna (Chaloupka et al., 2008a).

Many green turtle populations have been depleted by exploitation, leading to concern that the species might be globally endangered (Chaloupka et al., 2008a). An emerging worldwide threat to green turtles is fibropapillomatosis (Herbst, 1994), which is a pandemic disease associated with the presence of herpesviruses (Greenblatt et al., 2005).

Fibropapillomatosis (FP) is a neoplastic disease involving tumors in multiple cutaneous sites and connective tissue tumors in the viscera (Herbst, 1994; Fig. 1A). Fibropapillomatosis prevalence has apparently increased over the past 2–3 decades in green turtle populations in Australia, Indonesia, and the US (Herbst, 1994; Chaloupka and Balazs, 2005; Foley et al., 2005; Greenblatt et al., 2005). It is believed that FP might impair recovery of depleted populations (Herbst, 1994; Ene et al., 2005), especially the green turtle stock endemic to Hawaii (Balazs and Chaloupka, 2004; Chaloupka and Balazs, 2005). Despite a global distribution and high prevalence in some populations (Herbst, 1994), there has been no long-term assessment of FP for any marine turtle population (Chaloupka and Balazs, 2005). Long-term assessments of the prevalence of major chronic diseases like FP in marine vertebrates are critically needed to improve our understanding of marine disease epizootiology (Harvell et al., 1999).

We reviewed FP disease prevalence data for a green turtle population that has been monitored each year since 1982

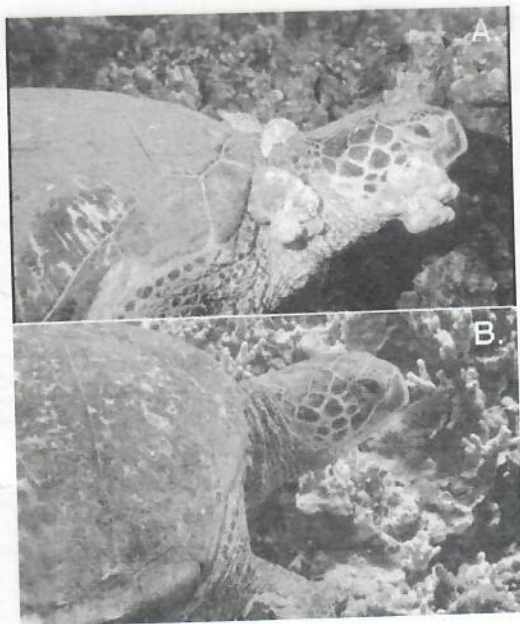


FIGURE 1. (A) Multitagged Hawaiian green turtle with advanced fibropapillomatosis in 1993. (B) Same turtle, tumor-free in 2004.

at Palaau (Molokai, Hawaii). This population has the highest recorded FP prevalence in the Hawaiian Archipelago (Balazs and Chaloupka, 2004; Chaloupka and Balazs, 2005), where the disease is endemic (Herbst, 1994). Annual disease monitoring was based on a capture-mark-recapture program, where each turtle was marked with metal flipper and/or passive integrated transponder tags (Balazs and Chaloupka, 2004; Chaloupka and Balazs, 2005). Each turtle was also evaluated at each annual sampling occasion for FP and assigned a severity score ranging from 0 (not affected) to 3 (severely affected) based on number, size, and location of tumors. This scoring system correlates well with a range of pathologic, hematologic, and physiologic parameters reflecting deteriorating immunocompetence with increasing tumor affliction (Work and Balazs, 1999; Work et al., 2001, 2003). We then estimated apparent FP prevalence as the proportion of green turtles at each annual sampling occasion with FP (Work and Balazs, 1999) based on

2,375 sampling records over a 26-yr sampling period (1982–2007).

A generalized smoothing spline regression (Gu, 2002) was fitted to the estimated apparent prevalence data to derive an epidemic curve. This robust nonparametric approach uses the data to determine the underlying linear or nonlinear trend without assuming any specific functional form or any particular error structure (for details, see Gu, 2002). No detection bias correction for these annual prevalence estimates was needed since there was no size class- or disease-specific difference in recapture probabilities for this sampled population. Briefly, we also used a multistate capture-mark-recapture model (Jennelle et al., 2007) to analyze 1,792 individually tagged turtles sampled over a 25-yr period. Size classes consisted of small and large immature green turtles at the Palaau study site. Each turtle was assigned at each encounter to a particular FP disease state (disease-free, diseased with FP scores  $> 0$ ), where the transition probabilities among states, conditional on apparent survival, are analogous to probabilities of new infection and recovery from infection. One factor of relevance is that the estimated recapture probabilities were time-varying but independent of either disease state or size class, suggesting no sampling bias or behavioral differences for diseased turtles from this sampled population.

While FP is the most significant cause of stranding and mortality in green turtles in Hawaiian waters (Chaloupka et al. 2008b), not all diseased green turtles die, and our observations suggest that many green turtles with FP in Hawaiian waters can recover (Fig. 1B). Annual size class-specific disease recovery probabilities from our multistate capture-mark-recapture model were estimated at  $\sim 0.13$ – $0.15$  per annum. Meanwhile, the 26-yr epidemic curve for the Palaau (Molokai, Hawaii) green turtle population shows that apparent prevalence increased rapidly following the late 1980s outbreak, peaked during the

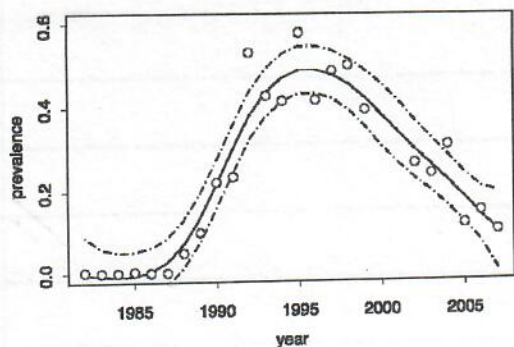


FIGURE 2. Epidemic curve with three phases: 1) rapid increasing phase (1988–1991), 2) peak phase (1992–1998), 3) slow decline phase from 1999 onward. Solid curve=smoothing spline fit, dashed curves=95% Bayesian confidence intervals, dots =apparent prevalence estimates.

mid-1990s, and then has declined steadily (Fig. 2). This curve reflects a chronic disease that persists for decades with the current prevalence in 2007 still around 9.4% (Fig. 2). The infection rate function derived from the multistate capture-mark-recapture model reflects the epidemic curve estimated for this population based on the prevalence data (Fig. 2).

Fibropapillomatosis is a major cause of stranding in Hawaiian green turtles (Chaloupka et al., 2008b) and is associated with an alphaherpesvirus, but the role of this virus in disease causation remains unknown (Quackenbush et al., 2001; Lackovich et al., 1999; Greenblatt et al., 2005). Interestingly, FP in Hawaiian green turtles was known long before the Palaau outbreak but was rare (Herbst, 1994). The endemic Hawaiian green turtle population is a genetically isolated metapopulation (Dutton et al., 2008). It was subject to extensive exploitation prior to complete protection in 1978 under the US Endangered Species Act, but it has since increased significantly (Balazs and Chaloupka, 2004; Chaloupka and Balazs, 2007). This ongoing stock recovery (Chaloupka and Balazs, 2007) has occurred in the presence of an epidemic disease (Chaloupka and Balazs, 2005), which has declined in recent years for the main

Hawaiian FP enzootic focus (Fig. 2). Fibropapillomatosis severity has also declined at Palaau (Chaloupka and Balazs, 2005), and there is no evidence that FP significantly affects somatic growth or behavior (Chaloupka and Balazs, 2005) or diet (Seaborn et al., 2005) of Hawaiian green turtles nor the recovery of this once-severely depleted stock (Chaloupka and Balazs, 2007). However, this major chronic disease is apparently not evident in green turtles until they recruit from the open ocean to neritic or coastal developmental habitats (Ene et al., 2005), suggesting that the cause of the disease lies within the nearshore foraging habitats.

Because we do not know the cause of FP, the reasons why this disease was absent before the 1950s, peaked in the late 1990s, and has declined since are purely speculative. Two plausible explanations would include the development of herd immunity (Lloyd-Smith et al., 2005) to an infectious tumorigenic agent (if herpesvirus is contributing to disease) and/or removal of a tumor-inducing environmental insult in the nearshore foraging habitats around the island of Molokai (Herbst and Klein, 1995). Fibropapillomatosis has a wide distribution throughout the main Hawaiian Islands, except for the western coast of the island of Hawaii, where the disease is rare or absent (Work et al., 2004) in spite of apparently susceptible animals being present in those areas. This strongly suggests that an environmental cofactor is involved, but identification of the role of such cofactors would require tracking the virus in marine turtle populations. Unfortunately, robust serologic tests to assess exposure to the FP-associated herpesvirus remain elusive. While molecular virology has been helpful to demonstrate an association between FP and herpesvirus (Quackenbush et al., 1998; Lackovich et al., 1999), significant progress on understanding the role of this virus in the causation of FP will not be made until the virus can be grown and manipulated in an *in vitro* setting.

180

In contrast to Hawaii, where prevalence of the disease is declining, prevalence of FP in Florida appears to be more stable (Foley et al., 2005). The presence of FP in Florida has been known since the 1930s (Smith and Coates, 1938), so perhaps in that region, herd immunity is playing less of a role compared to environmental cofactors or nature of causative agents. There is evidence that in Florida, the FP-associated herpesvirus is different than that found in Hawaiian waters (Ene et al., 2005), and this may partly explain the differences between regions. Clearly, more research on the role of FP-associated turtle herpesvirus in actual causation of disease is needed if progress is to be made on disentangling the importance of environmental versus infectious factors in the epidemiology of FP. Unlike more acute viral diseases, the epidemic curve of FP in Hawaiian green turtles is more akin to that of chronic diseases such as cancer, which have durations of many years (Weiss, 1982). Meanwhile, the FP epidemic decline at Palaa (Molokai, Hawaii) is encouraging news for other marine turtle populations afflicted more recently with this chronic and often fatal disease.

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Molokai, KAAHALOA + HALAWA  
Sept. 15-16, 2009 (19)

9/15/09 855 AM departure AIRLINES  
Tuesday TO Kamaoaka. ALOMO Car Rental,  
Drove to C/L MacMillan's Milemark 4.3

LAND owner BOBINSKY  
PLACE NAME of TOWN  
seems + TURTLES of the United States  
by ERST and BARBOUR

Picked up Molokai Ranch gate keys.  
Drove to Hotel Molokai Restaurant lunch  
with Bill Puleoa - discussed article he wrote for  
Hawaiian newsletter about how still sat track attempt  
and his feelings about leaving them alone (SOM)  
Mike had the article - need email address

(2) Why no uproar about not being able to  
take turtles - because they are taking  
them already (illegal is bad example for  
children)

Drove to Molokai Shores - checked into  
Room 203. Drove to 76 Gas Station  
(Formerly Kalama) - talked to Mike  
Cooking Sandwiches. Partner "Cat" talked  
about July 2010 Turtle fishing - before or  
after family reunion. Drove to  
Halawa Valley - about 27 miles.  
Beyond Mike's green and more remote.  
Arrive Halawa Beach - 4 PM

NEED  
SIGNS

122

# KAAWA LOA

9/16/09 in the past by Joan. There are more nests  
 Wed. Kaaawa to hatch one was just laid last Thursday 9/10/09  
 Drove out and back to Halawa. No  
 tracks so will assume hawk skill of 9/14/09  
 did successfully nest where digs were seen.  
 Picked up frozen remains from LiLi. Visited  
 w/ Diane Medeiros at credit Union.  
 Departed Molokai Island AIR ~ 5:25 pm

9/15/09 9 pm <sup>NIGHT</sup> BASKERS KAAWA LOA,  
 ON SAND. MOLOKAI

EXISTING OLD RH PIT Read:  
 47ØAØE3A34  
 98.5 cm CCL (Hind flipper biopsy  
 taken into SALINE  
 TO DUTTON)

EXISTING OLD Hind = 47ØB22ØA61  
 LH 7/8 MISSING 91.5 cm CCL  
 (Hind flipper biopsy  
 taken into SALINE  
 TO DUTTON)

5/11 - A33 - Kaiehu rock (S) - short track at water's edge  
 5/14 - A35 - Kaiehu rock (S) - short track at water's edge

## 2010 Green Sea Turtle Nesting Activity at Kawa'aloa Beach Molokai

- 'A' - Aborted - no excavations
- Letters A - S are landmarks from monitoring map
- Location noted is for last excavation dug

4/2 - A1 - Kaiehu rock (S) - short track at water's edge  
4/2 - A2 - Kaiehu rock (S) - short track at water's edge  
4/6 - A3 - Kaiehu rock (S) - short track at water's edge  
4/6 - A4 - Kaiehu rock (S) - short track at water's edge  
4/6 - A5 - Kaiehu rock (S) - short track at water's edge  
4/9 - A6 - Kaiehu rock (S) - short track at water's edge  
4/9 - A7 - Kaiehu rock (S) - short track at water's edge  
4/9 - A8 - Kaiehu rock (S) - short track at water's edge  
4/9 - A9 - Kaiehu rock (S) - short track at water's edge  
4/11 - A10 - Kaiehu rock (S) - short track at water's edge  
4/11 - A11 - Kaiehu rock (S) - short track at water's edge  
4/16 - A12 - Kaiehu rock (S) - short track at water's edge  
4/18 - A13 - Kaiehu rock (S) - short track at water's edge  
4/22 - A14 - Kaiehu rock (S) - short track at water's edge  
4/22 - A15 - Kaiehu rock (S) - short track at water's edge  
4/23 - A16 - Kaiehu rock (S) - short track at water's edge  
4/23 - A17 - Kaiehu rock (S) - short track at water's edge  
4/24 - A18 - Turtle Industry (R) - short track at water's edge  
4/30 - A19 - Kaiehu rock (S) - short track at water's edge

5/1 - A20 - Kaiehu rock (S) - short track at water's edge  
5/1 - A21 - Kaiehu rock (S) - short track at water's edge  
5/2 - A22 - Kaiehu rock (S) - short track at water's edge  
5/2 - A23 - Kaiehu rock (S) - short track at water's edge  
5/4 - A24 - Kaiehu rock (S) - short track at water's edge  
5/4 - A25 - Kaiehu rock (S) - short track at water's edge  
5/4 - A26 - Kaiehu rock (S) - short track at water's edge  
5/6 - A27 - Kaiehu rock (S) - short track at water's edge  
5/7 - A28 - Kaiehu rock (S) - short track at water's edge  
5/7 - A29 - Turtle Industry (R) - short track at water's edge  
5/9 - A30 - Kaiehu rock (S) - short track at water's edge  
5/9 - A31 - Kaiehu rock (S) - short track at water's edge  
5/11 - A32 - Kaiehu rock (S) - short track at water's edge  
5/11 - A33 - Kaiehu rock (S) - short track at water's edge  
5/14 - A34 - Aki Grass (I) - short track at water's edge  
5/14 - A35 - Kaiehu rock (S) - short track at water's edge  
5/14 - A36 - Kaiehu rock (S) - short track at water's edge

egg nest

- 5/15 - #1 - 2 excavations, 60 ft North of Aki Grass (I)
- 5/16 - #2 - 3 excavations, last one 10 ft east of Cement Block (K)
  - 5/17 - A37 - Kaiehu rock (S) - short track at water's edge
  - 5/18 - A38 - Turtle Industry (R) - short track at water's edge
  - 5/19 - A39 - Kaiehu rock (S) - short track at water's edge
  - 5/20 - A40 - Kaiehu rock (S) - short track at water's edge
  - 5/21 - A41 - Kaiehu rock (S) - short track at water's edge
  - 5/24 - A42 - btw Turtle Ind (R) & Kaiehu rock (S) - short track at water's edge
  - 5/24 - A43 - Kaiehu rock (S) - short track at water's edge
  - 5/26 - A44 - Kaiehu rock (S) - short track at water's edge
- 5/31 - #3 - 2 excavations, #3-1 - 10ft W of Dicks Path (G), #3-2 - 15ft N of E Morn Glor
- 5/31 - #4 - 1 excavation, between E Morning Gl (H) & Aki Grass (I), 10 N of the dune

isolate

- 5/31 - A45 - Kaiehu rock (S) - short track at water's edge
- 5/31 - A46 - Kaiehu rock (S) - short track at water's edge
- 5/31 - A47 - Kaiehu rock (S) - short track at water's edge

egg nest

- 6/1 - A48 - Turtle Industry (R) - short track at water's edge
- 6/1 - A49 - Kaiehu rock (S) - short track at water's edge

6/2 - #5 - 2 excavations, 32 ft N of East Morning Gl (H)

- 6/11 - A50 - Kaiehu rock (S) - short track at water's edge
- 6/11 - A51 - Kaiehu rock (S) - short track at water's edge
- 6/13 - A52 - Kaiehu rock (S) - short track at water's edge
- 6/14 - A53 - White Cliff (Q) - short track at water's edge
- 6/14 - A54 - Kaiehu rock (S) - short track at water's edge

isolate

6/15 - #6 - 3 excavations, between Aki Grass (H) & W Morning Gl(I) - 30 ft N of dune

- 6/17 - A55 - Kaiehu rock (S) - short track at water's edge

6/18 - #7 - 2 excavations, 65 ft NE of W Morning Glory (J)

- 6/18 - A56 - Swale 1 (O)
- 6/19 - A57 - 1<sup>st</sup> path down (D)
- 6/19 - A58 - 1<sup>st</sup> path down (D)

6/19 - #8 - 3 excavations, 58 ft NE of E Morning Glory (H)

6/20 - #9 - 2 excavations, 36 ft NE of Dead Naupaka (F)

- 6/23 - A59 - Kaiehu rock (S) - short track at water's edge
- 6/23 - A60 - Kaiehu rock (S) - short track at water's edge
- 6/24 - A61 - Kaiehu rock (S) - short track at water's edge
- 6/24 - A62 - Kaiehu rock (S) - short track at water's edge
- 6/25 - A63 - Kaiehu rock (S) - short track at water's edge
- 6/25 - A64 - Kaiehu rock (S) - short track at water's edge
- 6/27 - A65 - Kaiehu rock (S) - short track at water's edge

6/29 - #10 - 2 excavations, 40 ft N of Swale 2 (P)

6/30 - #11 - 2 excavations, 22 ft N of Aki Grass (I)

- 6/30 - A66 - long track btw River (M) and Swale 2 (P)

7/01 - #12 - 3 excavations, 60 ft N of Swale 1 (O)

7/1 - A67 - Kaiehu rock (S) - short track at water's edge

7/02 - #13 - 8 excavations, between Last Path (E) & D Naupaka (F) 45 ft from dune

7/02 - A68 - Kaiehu rock (S) - short track at water's edge

7/02 - A69 - Kaiehu rock (S) - short track at water's edge

7/05 - A70 - in wet sand, N of West Morning glory (J)

7/06 - #14 - 1 excavation, between E Morning Gl (H) and Aki Gr (I) 55 ft from dune

7/06 - A71 - long track between E Morn Gl (H) & Aki Gr (I)

7/07 - A72 - long track between Dick's Path (G) & E Morn Gl (H)

7/07 - A73 - Kaiehu rock (S) - short track at water's edge

7/08 - #15 - 1 excavation, between D Naupaka (F) & Dicks Path (G), 16 ft from dune

7/08 - #16 - 2 excavations, between Aki Gr (I) & West Morn Glory (J) - marked both excavations - #16-1 - 60 ft N of dune & 80 ft E of C Block (K), #16-2 - 25 ft N of dune

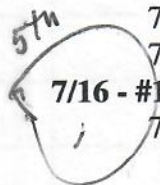
7/08 - A74 - long track in front of river

7/09 - A75 - Kaiehu rock (S) - short track at water's edge

7/16 - A76 - Pavilion entrance (D)

7/16 - #17 - 1 excavation, 40ft NE of West Morn Glory (J), 13ft from dune

7/22 - A77 - Kaiehu rock (S) - short track at water's edge



7/23 Friday - Saturday → 2 excavations  
7/24 Saturday - Sun  
7/25 Sunday - Monday  
7/26 Monday  
20100  
one  
looked  
good  
to  
LH

196

## 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*

August  
2010

# Standing Tall

*Younger paddlers excel in sold-out Molokai Channel race.*

BY TODD YAMASHITA

Riggs Napoleon is just like any other local 12-year old – he loves his family, the water, and having fun. Except on this particular Sunday, fun means ironing the 32-mile Kaiwi channel for over seven hours straight.

"It's going to be fun – I'm excited," said Riggs minutes before the start of the 14th annual Molokai to Oahu Paddleboard World Championships. This year's race, for the first time in its 14-year history, sold out the first week in July.

Riggs, from Oahu, rode a 13'6" Paddle Surf Hawaii board and set a new record as the youngest stand up paddler to cross the Molokai channel. The original record was set last year by Maui's Connor Baxter who was then 14. Baxter returned on Sunday hoping to set a different record.

"I'm hoping to try to beat the record which is five hours and five minutes and just get first overall," Baxter

said. The kid isn't all talk. He placed first two weeks ago in a Maui-Molokai crossing, beating out Molokai's Ekolu Kalama.



But Kalama returned the favor in this race with a third place overall time of 5:03:13, besting Baxter's seventh place time of 5:12:43. Baxter improved his own game by

shaving nearly two hours off last year's time.

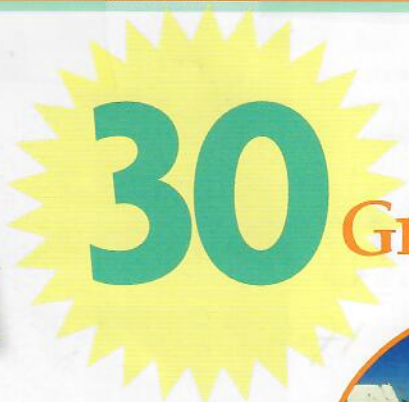
Kalama, who took first in last year's stand up elite division, was beat out this year by his cousin Dave Kalama who timed in at 4:54:15. Prone paddle boarder Jamie Mitchell, undisputed king of the channel, was first overall. This is Mitchell's ninth consecutive win.

More than two hours after Mitchell crossed the line, young Riggs came through with a time of 7:10:30. He placed 119 out of 139 finishers. "I didn't really train actually," said Riggs, adding that his most important goal was simply to "make it."

"Have fun, hopefully you guys will [make the crossing] one day," said Riggs to Molokai's youth.

Molokai's youth, and grownups, will have their own shot at stardom in August as plans are being made for Molokai's first local stand up race. Stay tuned to *The Molokai Dispatch* for more information.

198



## Great Years of Service

**Mahalo** to our loyal customers from the Island Air 'ohana. We are grateful for your continued support during 30 wonderful years of service to Hawai'i.

\* In 1980, Princeville Airways (now Island Air) began scheduled service between Honolulu and Princeville, Kaua'i, with two DHC-6 Twin Otter aircraft.

\* In May 1987, Aloha Airlines' parent company, Aloha Airgroup, purchased Princeville Airways and renamed us Aloha Island Air.

1980



1987





\* In 1992, the company applied to register "Island Air" as its trade name, giving us a distinct identity.

1992



\* In 1995, Island Air received FAA "Part 121" certification, allowing us to operate larger aircraft and take possession of our first 37-seat, Dash-8 aircraft.

1995



\* In May 2004, Island Air was sold to Gavarnie Holdings LLC and renamed Hawai'i Island Air Inc., making us Hawai'i's third independent interisland carrier at the time. In 2006, Island Air introduced three new tail designs and an entirely new, distinct brand.

2004

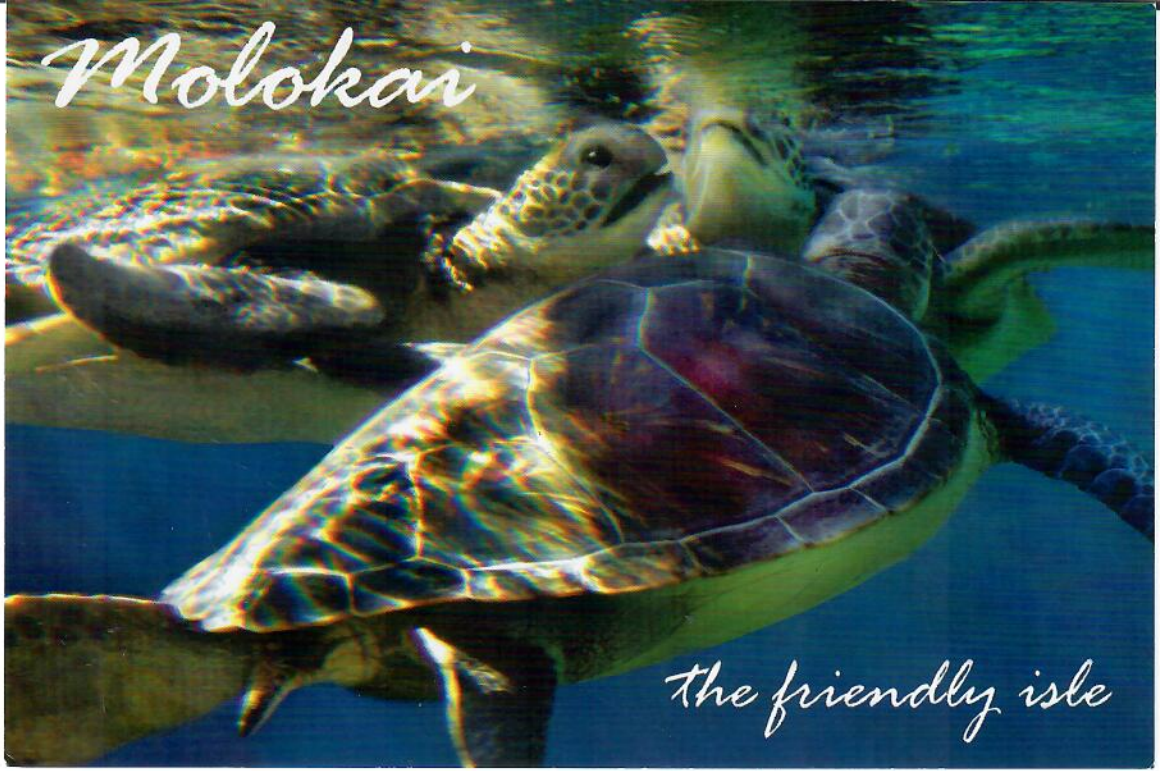


Island Air

200



MOOREA FRENCH POLYNESIA

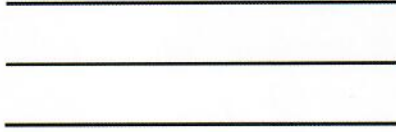


*Molokai*

*the friendly isle*

Gathering of Honu  
The Hawaiian symbol for longevity.  
photography by Catherine Buchanan

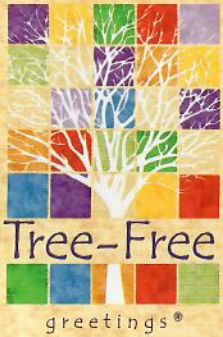
Kalele Bookstore, Kaunakakai teri.kalele.molokai@mac.com



## SAVE TREES

Paper can be made from any plant fiber, not just trees. We use tree-free alternatives like Kenaf whenever possible. This fibrous plant grows 15 feet in just five months, uses no harmful chemicals in processing and is fully recyclable. Kenaf is grown here in North America – bringing income to farmers and preserving our forests. We continue to strive toward the use of 100% tree-free paper. Unfortunately, it is a struggle to find it in the quantity and the quality we need. Every card purchase helps us to build a more consistent supply of tree-free paper, ultimately helping our forests to stay tree-full.

On peut faire du papier pas seulement avec des arbres mais avec n'importe quelle plante fibreuse. Tree-Free utilise le plus possible des matières de remplacement comme le "Kenaf". Cette plante fibreuse pousse 15 pieds (4.6m) en 5 mois. On utilise aucun produit chimique dans la fabrication de ce papier et il est entièrement recyclable. Kenaf pousse en Amérique du Nord, fait gagner nos agriculteurs et préserve nos forêts. Quand c'est possible, Tree-Free l'utilise à 100% sans gaspiller des arbres. Malheureusement, c'est parfois difficile de trouver la quantité et la qualité dont nous avons besoin. Chaque carte achetée nous aide à nous procurer du papier sans arbre protégeant ainsi nos forêts.



### Tree-Free Greetings®

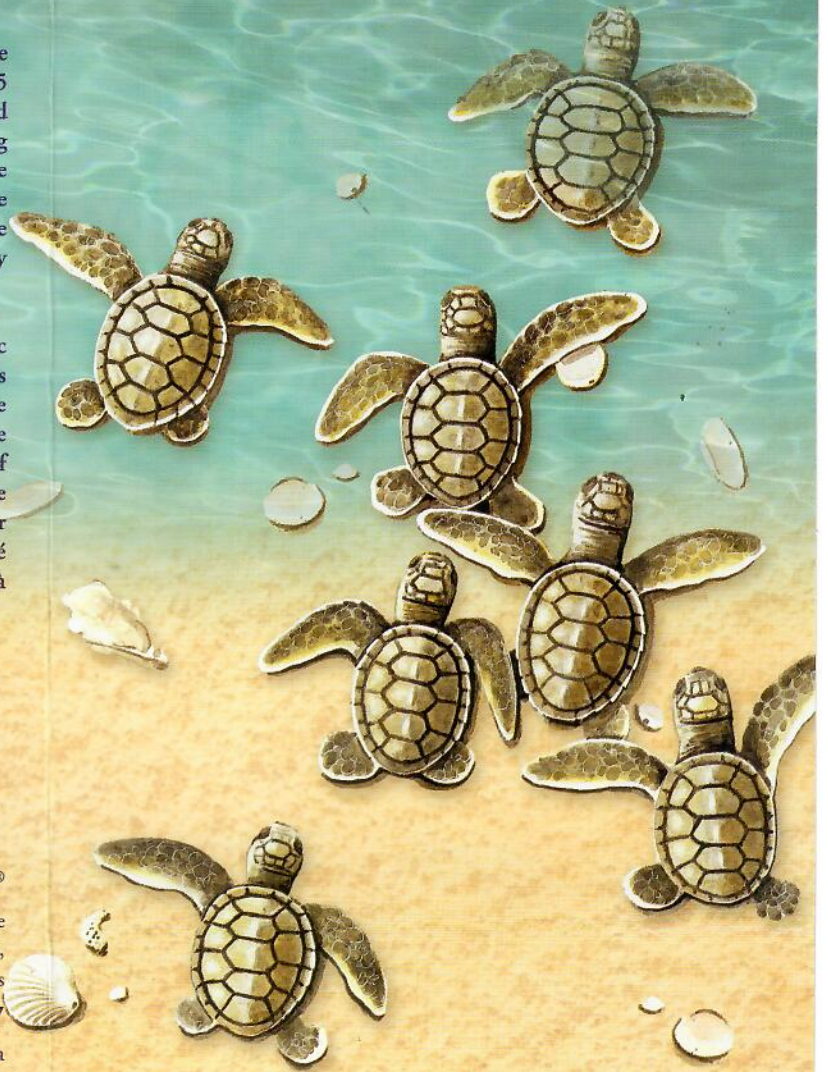
Swanzy, New Hampshire

©2007 David Wenzel,

Applejack Art Partners

#01787

Printed in China



getting all the back ages  
of turtle data together,  
running the program,  
keeping everyone going.  
She deserves all our grati-  
tude & at the moment, all  
I could think of to give,  
her was your gorgeous slip  
cover. I hope she enjoys  
it & makes good use of it.

All your efforts were  
appreciated & thanks  
for coming over.

With warmest aloha,  
Joan



Ms. Joan Aidem  
HC 1 Box 121  
Kaunakakai, HI 96748

HONOLULU

15 NOV 2009

Nov. 19, 2009

Dear George,

Many many thanks  
for the handsome  
turtle plaque. I only  
wish I could share  
it with Dick. I felt  
a great loss at giving  
up the beautiful hand-  
made slip cover -  
a personal thing -  
but I could not leave  
that luncheon, without  
recognizing Lil, who  
has worked like a  
Trojan for two years,

ISLAND HERITAGE™  
A DIVISION OF THE MADDEN CORPORATION  
HONOLULU, HAWAII  
(800) 468-2800  
islandheritage.com



*Honu Swirl*



half way through. many many thanks.

Haven't done any twirling lately. Must put a couple of gallons of super in the Ford pickup & get it out to the beach. Have been pretty gimpy lately & no ambition. Maybe I'm getting old!

Warmest regards &  
Thanks.

Joan



Ms Joan Aidem  
HC 1 Box 121  
Kaunakakai, HI 96748

May 3, 2012

Dear George,

I was horrified to note, when doing my taxes, that I had never had a bill from you when you sent my dearly loved Red Rose Tea, nor had I sent you any money to cover its cost or the cost of mailing etc. I hope the enclosed will cover it. I'm enjoying the Tea every morning and am still only



# Molokai boat tours can

By Kevin Dayton  
kdayton@staradvertiser.com

Molokai protesters and the operator of American Safari Cruises have agreed to a truce that will allow the tour boat company to resume its weekly visits to Molokai next month.

Protesters blocked Kaulakakai harbor to prevent an American Safari vessel from docking on Nov. 26, and another tour was cut short after a fallen tree and a stalled car blocked the main road to Halawa Valley on Nov. 27.

The cruise company then suspended Molokai visits that had been planned for Dec. 2 and 16.

Walter Ritte Jr., a leader of the protesters, said there will be a series of five community meetings hosted by the organization 'Aha Kiolo o Molokai beginning tonight to give residents an opportunity to air their concerns about the potential effects of tourism on Molokai.

After the fifth meeting, which is scheduled for Jan. 1, American Safari will be able to resume its weekly visits, Ritte said.

State Board of Land and Natural Resources Chairman William Aila visited Molokai on Dec. 7 at the request of Gov. Neil Abercrombie to help the administration get a better understanding of the dispute and to search for a resolution.

"WE'RE WORKING on it," Aila said in an emailed response to questions. "There appears to be some agreement for American Safari Cruises to return to Molokai. There will be meetings scheduled in the five moku (districts) on the island. The state will facilitate another discussion regarding the requirements for future visits by vessels to the island, to comply with all state and federal laws."

Dan Blanchard, owner and chief executive officer of American Safari Cruises, said the next Molokai visit his company has scheduled is for Jan. 21. The boat can hold up to 36 passengers, and brings an average of 30 visitors for its two-day stops at Molokai, he said.

Blanchard said he has been attending meetings on Molokai and was surprised

# resume next month, protester says

STAR-Advertiser

12/21/2011



CATHERINE CLUETT / SPECIAL TO THE STAR-ADVERTISER

**American Safari Cruises will resume its weekly trips to Molokai in January after coming to an agreement with Molokai protesters. Here, residents voiced their opposition in October to the presence of the company's ship.**

at the number of people who turned out to support his operation.

The tour boat operation spends about \$5,000 each day it is on the island, and even the protesters don't seem to object to the way the boat is operating, he said.

"What they want really is

a process or a protocol that the community can agree on," Blanchard said. "It's really, I think, more of a question of Molokai coming together and deciding what is the future of the visitor industry on Molokai."

Ritte, a longtime Molokai activist, said the community meetings are supposed to

result in a document that reflects the community's concerns. Among other things, Ritte said it is important to establish the carrying capacity for Molokai.

Guidelines developed from those meetings should be incorporated into the Molokai Community Plan, which is being

formed, he said.

Ritte also wants to see administrative rules or a law that mandates that the state Department of Transportation engage in some kind of consultation with the community. That might take the form of a permit process for would-be boat operators to offer an opportunity for community input, Ritte said.

HE ALSO SAID there should be "profit-sharing," meaning the companies that make money bringing tourism to Molokai should share their profits beyond merely hiring Molokai residents.

"We need to talk about this. It's a huge impact," Ritte said. "This is the beginning of tourism on Molokai; it's like 50 years ago in Hawaii. We have a chance to do this thing right. Let's do it right."

Rural communities are increasingly becoming magnets for visitors who seek an authentic, eco-tourism experience, and "the community wants to be protected so we don't lose what they're coming to see," Ritte said.

Date: Thu, 5 Aug 2010 15:09:32 -1000 (HST)  
From: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>  
To: Marc Rice- HPA <mrice@hpa.edu>  
Subject: 5 tag recoveries from Palaaau

3 are from Palaaau itself=

1-2006,

1-2007,

1- 1989two flipper metal tagged (not there now) and 2004 pit tags.

1- our 2002 and 2005 tagging at... White Rock Lanai.

and

1 ....we can't find either of the two numbers in our database (these things always drive me crazy as might be expected- Shawn is looking more).

No tumors at original tagging on any of the above 4. Will send you growth rates when I compute them from data we just collected. gb

Date: Sun, 07 Nov 2010 11:34:56 -1000  
From: Lilian Macmillan <lilatvcw@gmail.com>  
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>  
Subject: Re: bulk or mass of frozen egg material?/ update

Hi George,

It certainly was windy! The dig went well - I was a bit worried the nests might be overlapping, but they were far enough apart that we were able to keep them separate.

Nest #21 - 71 empty shells, 2 undeveloped, 12 dead & 4 live  
The 4 live were pretty weak, but did perk up a bit after a few minutes. Of the 12 dead, I saved 8 as 4 were very decomposed.

Nest #26 - 73 empty shells, 3 undeveloped & 1 live

To answer your question... I have a box - 9.5"x8" x6" that holds all that I have for you. There is room for a little padding for insulation but not a great deal.

Lil

On 11/7/2010 8:18 AM, George H. Balazs wrote:

>  
> Dear Lil, after you find out what you have today in the way of nest remains  
> for me, please give me some estimate of how much bulk (total with the others  
> in your freezer) I'll be picking up. I ask so I can plan what sort of  
> container to take so I'm "prepared". With THanks-- I'll bet it's windy out at  
> Kawa'aloa right now, cause it's windy here in East Oahu 815am! Cheers, gb

[ Part 2, Application/MSWORD 53KB. ]  
[ Unable to print this part. ]



My happiness  
is in your smile.

George -

Thank you so much  
for making turtle  
tagging/research so  
amazing - your patience  
with the kids makes  
this time together  
so extra special! We  
really do appreciate  
both what you do  
for our family and  
for all the turtles!  
with love - Joey and  
Renee

P.S. just one more question - where do the turtles go from the time ~~that~~ just after they are born to the time that we see them, they have already grown so much ??

---

do you ever work/teach <sup>at</sup> any of the schools? if the opportunity ever came up Rekoa <sup>would</sup> love to <sup>have</sup> you

M  
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!



MEDEIROS  
BOX 1216  
KAUNAKAKAI,  
HI 96748

2016

Here we are at a terrific event of this year - cousin Dina Potter's wedding!  
Dina is Uncle Fred's oldest daughter & she married an old friend from  
her childhood - a very happy occasion!!

This has been another too fast but still good year. Our oldest grandchild,  
Kekoa, went off to college this year - yes, I DID say that! Still can't believe  
It! He's at Utah Valley University - he just told me he changed his major to  
"Wildfire Under Emergency Services" - not sure what that is, but sounds intriguing!

So, what's new here? We sold the Laundromat - yay!!!! no more rolling quarters or getting  
called out of work cuz somebody got their clothes stuck in the washer!! Haha!! No more fixing  
broken machines, so Eddie has time to work on his OWN stuff! ☺ One of which is the "Rat Rad"  
in the picture below with kids in it - '39 Mack truck - cool stuff! When he drove it for the first  
time, the police pulled him over - why? "Just wanted to take a closer look!" haha! Love Molokai!

I'm still at the Credit Union - 2017 will be my 30<sup>th</sup> year!!! I can't believe it, my "temporary part-  
time job"!!! Probably be here another couple years - it's a good job & I love the people I work  
with! Still so good to be able to help our Molokai people with their financial problems - and  
sometimes a great vacation or 4-Wheeler! Good fun! ☺

Tiana (12) & Kaila (15) have both been winning trophies at the race track - running their junior  
dragsters - Tiana took second overall at the last race - so awesome for this quiet sweet girl!  
She just rips on the track! As for Kaila..... she pretty much rips at anything she does!!

Not sure what's happening in the critter department - I think someone's been dropping off  
kitties cuz I suddenly have 2 new kittens & some older ones (Black Fury, Sophie, Crier, Tawzer)  
and a couple more I just get glimpses of. OH No Mr. Bill!!!! (for those who remember that one!)  
I just feed 'em & get 'em fixed & pray God helps with the cat food bill!!! Sweetie's absolutely no  
help either! She just lets them eat out of her dish & sleep in her bed..... a little TOO mellow!!  
And Mittens came back this year - a kitty Tiana named & befriended a while back - he's now the  
only "house kitty" - Eddie's teaching him to "sit" & "stay" for his snacks..... No, really!!!! ☺

And so we head into another uncertain year, with a new president and all that goes with him. Here's a word from the Lord that applies to all of us and our country:

II Chronicles 7:14

"If My people, who are called by My Name, shall humble themselves, and pray, and seek my face, and turn from their wicked ways ; then I will hear from heaven, and will forgive their sin, and will HEAL THEIR LAND."

Amen, Lord, and AMEN!!

Thank You God for the gift of Your Son, Jesus!!

Have a wonderfully blessed and Merry Christmas! Much love to you all!

Eddie, Diane, Sweetie, Mittens, and a host of other furry critters! 😊



Kids in Papa's Hot Rod last summer

Koa, Kai & Ti



Medeiros Family! - Kaila, Renee, Joey, Kekoa, Di, Eddie, Sweetie plus Ti & Mom



Thank you uncle George! I had so much fun! Kekoa Medeiros

Thank you for all the opportunities you've given us we really



Over the years and I love you!

appreciate it. ♥ Kaila 395 9-1-2

M 2010

**MOLOKAI**  
Vacation Properties

**Condos:**

**CHEAP!** Molokai Shores - Sale Pending 123:  
1B/1B Ground Floor condo. Tiled floors, remodeled bathroom and Fee Simple. Short sale. **\$110,000**  
**WAVECREST WON'T LAST!**

B107: 1B/1B Fully furnished oceanview condo asking **\$139,000** short term rental pool history.  
C214: 1B/1B Fully furnished oceanview condo asking **\$159,000** tenant occupied. **New Listing.**  
**NEW LISTING** Paniolo Hale Q2, a lovely 1B/2 bath open beam ceiling condo with hardwood floors Recently remodeled and painted. Over looks the tiled pool of mosaic dolphins and turtles. Short walk to Kepuhi Beach Asking \$300,000

**Lots for Sale:**

**Industrial Lot in Kaunakakai**, 13339 sf level lot in prime business location. \$189,500 FS  
**Kawela lot 66:** 2 acre Panoramic Ocean view building lot. Sunset and channel views. \$224,950

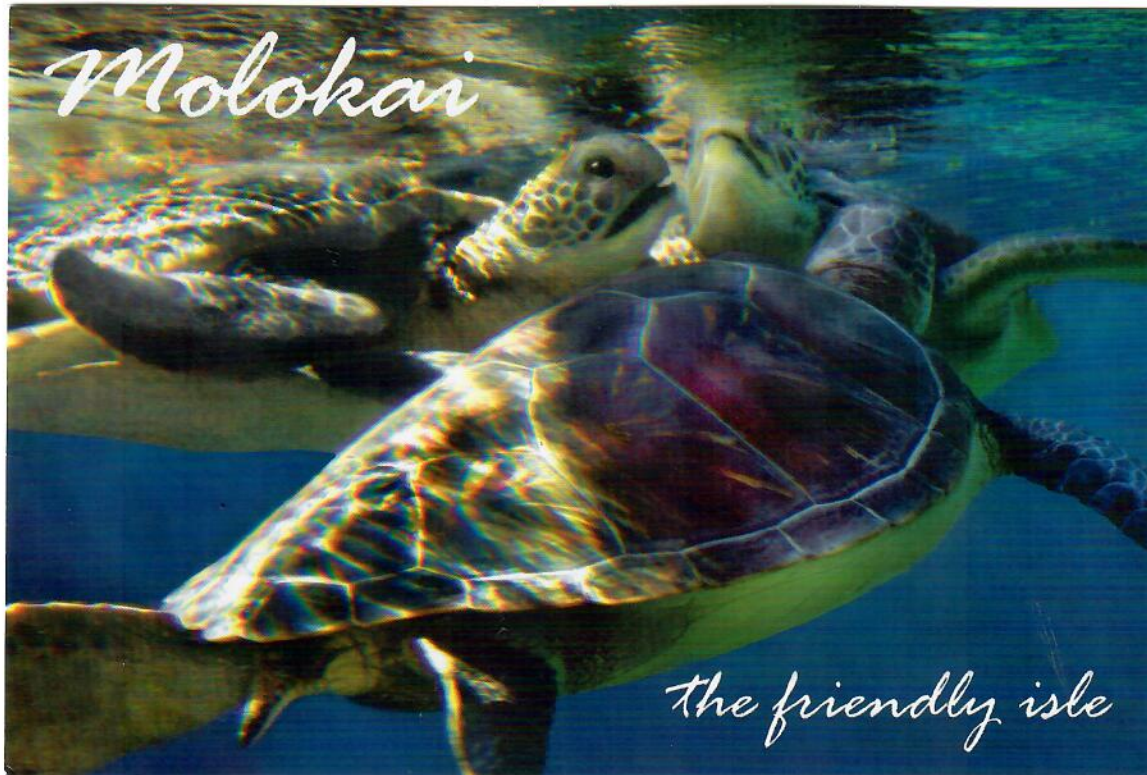
**House:**

**Ing Road** - Located in town this 3bed/1 house with detached office/art room makes a great house for first time buyers. Short walk to shopping, pool, school and property is totally fenced. Tenant occupied. Listors are owners. Asking \$265,000.

**Long Term**

Paniolo Hale 1 Bedroom asking \$1000 plus utilities.  
Molokai Shores 1 Bedroom asking \$900 to \$1000 includes utilities  
Wavecrest 1 bedroom asking \$950 includes utilities

Located in the Meyer Building off the Wharf Road • Monday – Friday 8:30 to 4:30 or call our office at 553-8334



\* TO MOLOKAI BOOK

NOAA Fisheries  
Pacific Islands Fisheries Science Center  
Marine Turtle Research Program  
2570 Dole Street  
Honolulu, Hawaii 96822-2396  
(808) 983-5730

# Sea Turtle Necropsy Form



Date Form Filled Out 10/25/10 Data Recorded By JH/  
Necropsy Date 10/26/10 Necropsy By T. Wong

Stranding Information			
MTRP ID	<u>10/25/2010A</u>	Contact	<u>Kala &amp; Jay</u>
Date		Location	<u>Koolina Resort Lagoon #3</u>
Island	<u>Oahu</u>	Lat	
Island Zone		Lon	
Euthanized	Y <input checked="" type="checkbox"/> N	Init Status	A <input checked="" type="checkbox"/> U
TW Case #	<u>21502</u>	End Status	A <input checked="" type="checkbox"/> U
Species	<input checked="" type="checkbox"/> CM <input type="checkbox"/> EI <input type="checkbox"/> LO	Sex	<input checked="" type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> U
Recapture	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		

Description of Stranding Event and Condition of Turtle	Necropsy Comments
<p>Found dead by contacts. Floating in H<sub>2</sub>O &amp; brought to shore. LHF &amp; tail missing - possible shark</p> <p>Regressing tumors on RFP Flipper, ventral LFF</p> <p>RHF healed missing large chunk</p>	<p>Carapace Damaged - 24cm parallel on slices in the carapace - old &amp; healing</p> <p>2nd left lateral - 10cm - fresher slice</p> <p>3 small 4cm gashes on 2nd right lateral</p> <p>1 - 6cm gash on 3rd @ lat</p> <p>Cause of Stranding: <u>Shark Attack Trauma</u></p>

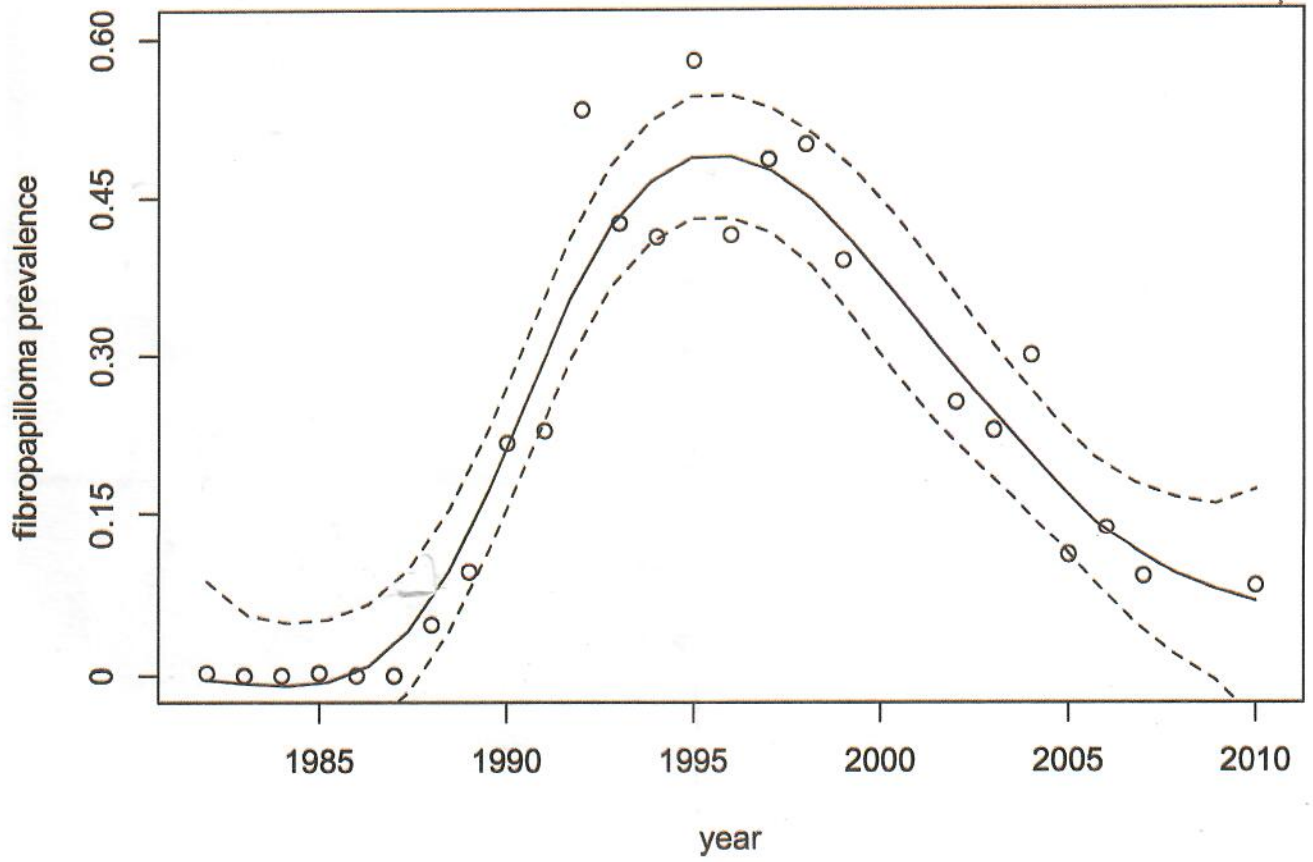
Old Tags		Samples	Internal Exam
PIT (LHF)	Tag (LHF)	<input type="checkbox"/> Blood <input checked="" type="checkbox"/> Humerus	Decomp <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Mod <input type="checkbox"/> Mild <input type="checkbox"/> Adv
PIT (RHF)	Tag (RHF) <u>8591</u>	<input checked="" type="checkbox"/> Skin <input type="checkbox"/> Gonads	Body Cond <input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Fair <input type="checkbox"/> Good <input type="checkbox"/> Poor
PIT ( )	Tag (RFF) <u>8592</u>	<input checked="" type="checkbox"/> Tumors <input checked="" type="checkbox"/> Forestomach	GIT % Fill <u>100</u> WNOI Y <input checked="" type="checkbox"/> N
Old MT	Other Tag LFF <u>8593</u>	<input type="checkbox"/> Muscle <input type="checkbox"/> Barnacles	Crop % Fill <u>100</u> PEP Y <input checked="" type="checkbox"/> N
		<input type="checkbox"/> Other: <u>Tumors: TW</u>	
		<u>Humerus L/R</u>	

Dorsal Measurements		Ventral Measurements		Visual Examination		Tumors				
						1	2	3	4	Comments
SCL (cm)	<u>84.0</u>	Lat1 (cm)		-Tumors	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
Notch (cm)	<u>84.0</u>	Lat2 (cm)		Tumor Score	<u>1</u>					
SCW (cm)	<u>66.2</u>	Lat3 (cm)		Dorsal Barnacles	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
CCL (cm)	<u>90.5</u>	Plastron (cm)	<u>66.8</u>	Ventral Barnacles	<u>25 small</u>					
CCW (cm)	<u>84.0</u>	Tail (cm)	<u>—</u>	Leeches	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
Head (cm)	<u>11</u>	Cloaca (cm)	<u>—</u>	Leech Eggs	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N					
RFF (cm)	<u>11.7</u>	Weight (lbs)	<u>170</u>	Flipper Amput'd	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
				Fish Hook	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N					
				Boat Impact	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
				Shark Attack	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
				Photos	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N					

Tail, back left flipper are missing - No hind tag



**fibropapillomatosis  
(Palaau, Molokai)**





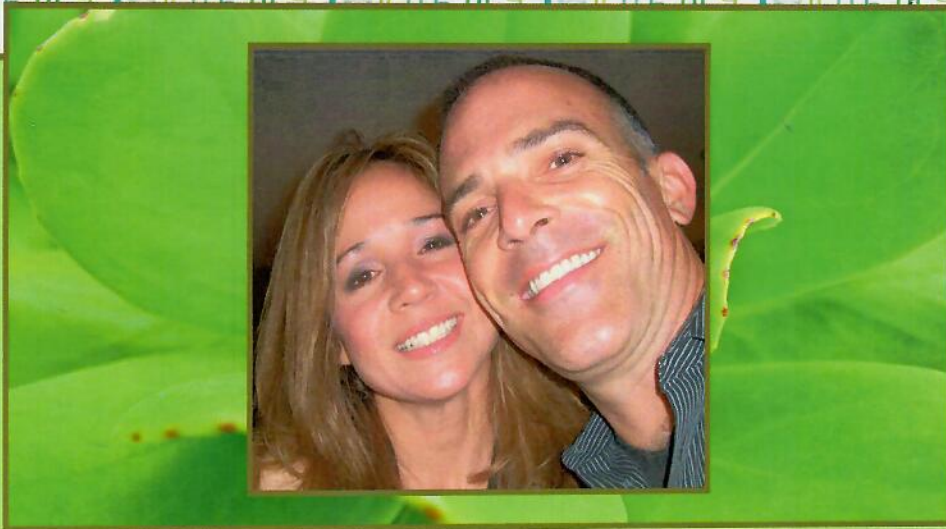
Mating and Basking Pair - April 2011

Image © 2011 DigitalGlobe  
Data SOEST/UHM  
Image © 2011 TerraMetrics

©2010 Google

21°11'36.63" N 157°14'48.57" W elev. 10 m

Eye alt. 14.03 km



**dawn & rob**  
**12.31.10**

## **reception**

**six o'clock in the evening,  
immediately following the wedding ceremony**

**cocktails  
dinner  
dancing  
and fireworks to follow**



**we > i**

**we're getting married in an old hawaiian town  
on the little island of Molokai  
and request the pleasure of your company**

**we look forward to sharing our special day with you**

**dawn and rob**



**wedding**

**friday, the thirty first of december  
two thousand and ten  
half past five o'clock in the afternoon**

**hotel molokai  
1300 kamehameha V highway  
kaunakakai, molokai  
reception to follow**





# RSVP

kindly let us know by december 15th  
that you'll be attending by contacting us via:

email: [rob@molokaivoice.com](mailto:rob@molokaivoice.com)

phone: (808) 553-3552

please include your name and number of guests in your party

for more information about our wedding visit:

[www.dawnandrobwedding.com](http://www.dawnandrobwedding.com)



Robert Stephenson  
P.O. Box 482117  
KAUNAKAKAI HI 96748  
  
George & Linda Balaz  
992 - A Auauaanoa Place  
Honolulu HI 96825

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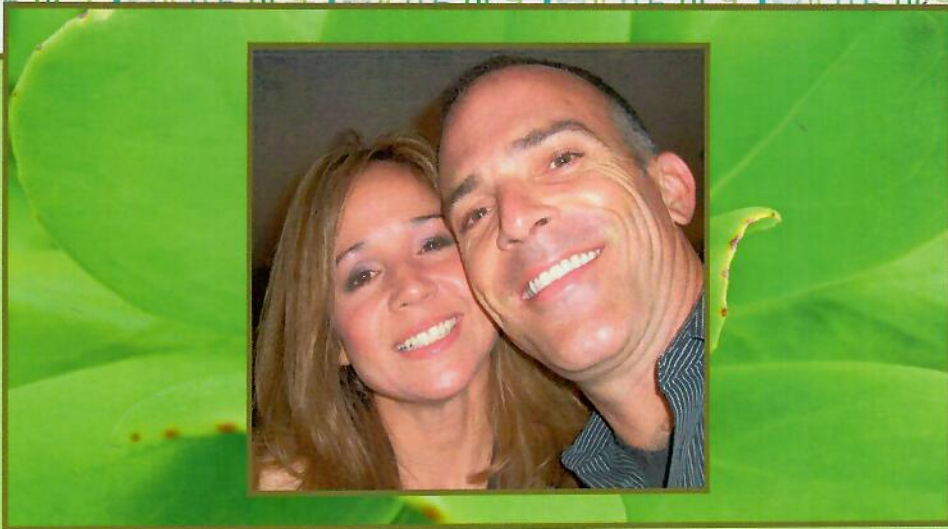
6 1 9 5 9 8 2 9

3 panel (uv)  
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**dawn & rob**  
**12.31.10**



dawn bicoy +  
rob stephenson  
12.31.10

Molokai Tagging Expedition

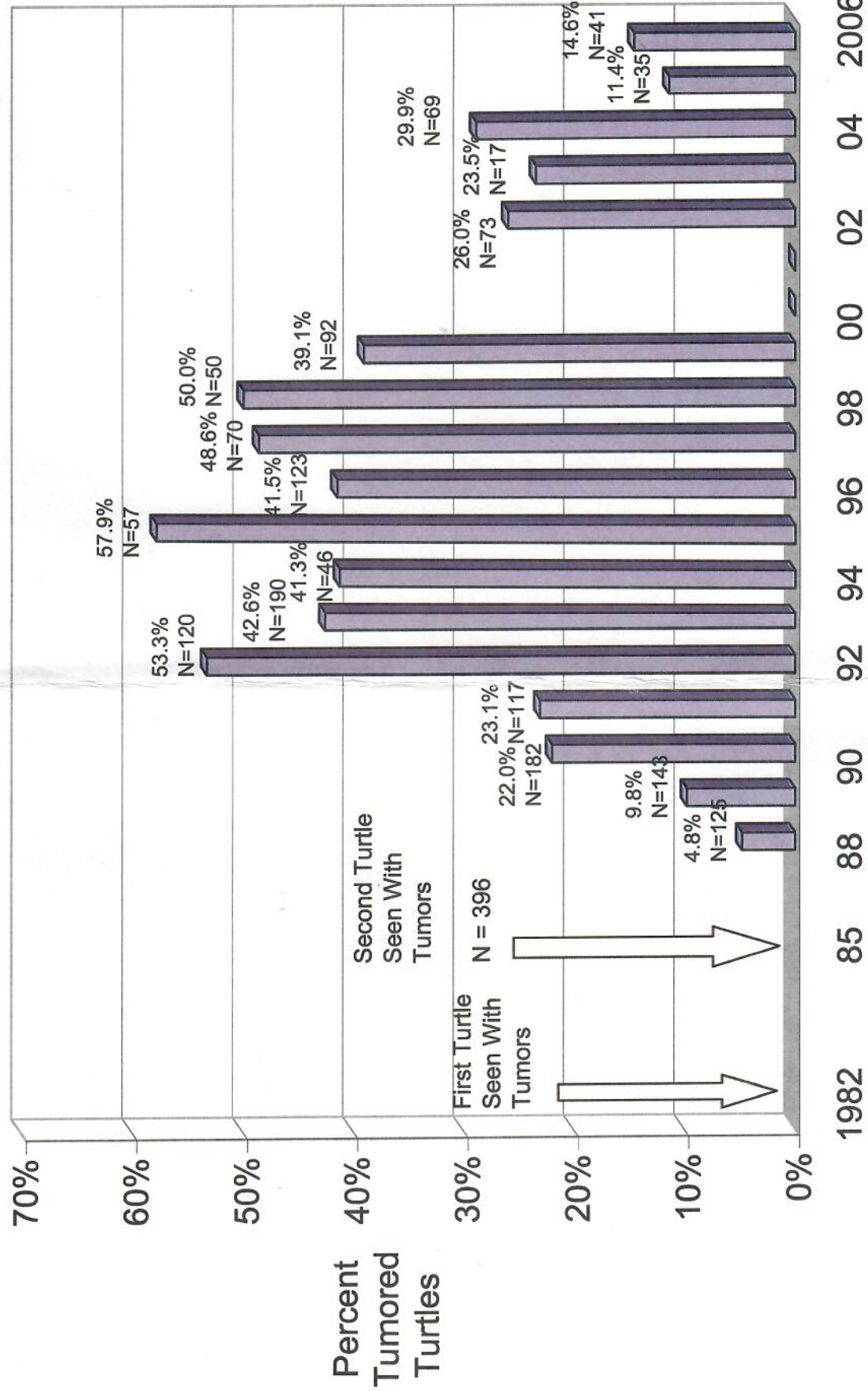
		Total Captured	Recaptured		Newly Tagged	
			Turned	Not Turned	Turned	Not Turned
1991 12/4-12/6	Day 1	25	1	4	6	14
	Day 2	10	0	1	5	4
	Day 3	6	2	1	1	2
	Total	41	3	6	12	20
				36.60%		
1992 5/26-5/29	Day 1	18	7	1	3	7
	Day 2	28	5	2	9	12
	Day 3	40	8	1	15	16
	Day 4	34	6	7	11	10
	Total	120	26	11	38	45
			53.30%			
1992 7/29-7/31	Day 1	21	1	2	10	8
	Day 2	27	3	2	11	11
	Day 3	23	4	1	7	11
	Total	71	8	5	28	30
			50.7% Combined with 1/93			
1993 1/4-1/6	Day 1	27	5	7	6	9
	Day 2	16	4	2	3	7
	Day 3	12	2	3	3	4
	Total	55	11	12	12	20
			41.8% Combined with 7/92 N=126 (46.8%)			
1993 7/19-7/22	Day 1	12	0	0	4	8
	Day 2	21	0	0	10	11
	Day 3	14	0	3	9	2
	Day 4	17	0	0	2	15
	Total	64	0	3	25	36
			39.10%			
1994	Day 1	14	1	1	7	5
	Day 2	14	2	1	4	7
	Day 3	6	1	2	2	1
	Day 4	12	0	0	2	10
	Total	46	4	4	15	23
			41.30%			
1995	Day 1	2	1	0	1	0
	Day 2	13	4	0	5	4
	Day 3	28	5	4	9	10
	Day 4	14	1	0	7	6
	Total	57	11	4	22	20
			57.90%			

		Total Captured	Recaptured		Newly Tagged	
			Tumored	Not Tumored	Tumored	Not Tumored
1996 7/15-7/19	Day 1	4	1	0	0	3
	Day 2	11	2	0	2	7
	Day 3	30	1	0	11	18
	Day 4	14	3	0	3	8
	Day 5	5	0	0	4	1
	Total	64	7	0	20	37
			42.20%	Combined		
1996 9/24-9/26	Day 1	29	6	4	3	16
	Day 2	21	3	1	7	10
	Day 3	9	2	1	3	3
	Total	59	11	6	13	29
			40.70%	Combined		
1997 6/29-7/3	Day 1	10	2	1	2	5
	Day 2	17	0	0	6	11
	Day 3	11	2	0	8	1
	Day 4	32	6	2	8	16
	Total	70	10	3	24	33
			48.60%			
1998 7/7-7/9	Day 1	13	0	1	5	7
	Day 2	19	3	2	9	5
	Day 3	18	3	4	5	6
	Total	50	6	7	19	18
			50.00%			
1999 7/5-7/9	Day 1	18	0	1	8	9
	Day 2	13	0	0	4	9
	Day 3	7	1	0	0	6
	Day 4	31	1	2	9	19
	Day 5	23	0	0	13	10
	Total	92	2	3	34	53
			39.10%			
2002 7/23-7/26	Day 1	14	0	0	3	11
	Day 2	9	0	0	2	7
	Day 3 - Bull Pen	10	1	2	3	4
	Day 3 - Coral Head	8	0	0	8	0
	Day 4	40	2	7	8	23
	Total	81	3	9	24	45
			33.30%	w/Coral Head		
			26.00%	w/o Coral Head		
2002 9/12-9/14	Day 1	11	0	1	2	8
	Day 2	12	1	0	1	10
	Day 3	7	0	1	2	4
	Total	30	1	2	5	22
			20.00%			

		Total Captured	Recaptured		Newly Tagged	
			Tumored	Not Tumored	Tumored	Not Tumored
2003 1/27-1/28	Day 1	11	0	1	1	9
	Day 2	4	0	0	3	1
	Total	15	0	1	4	10
				26.67%		
2004 7/19-7/23	Day 1	12	1	2	2	7
	Day 2	20	0	0	5	15
	Day 3	12	1	1	3	7
	Day 4	17	0	2	4	11
	Day 5	8	0	0	4	5
	Total	69	2	5	18	45
				28.99%		
2005 7/18-7/22	Day 1	11	0	1	1	9
	Day 2	7	1	0	2	4
	Day 3	14	0	4	0	10
	Day 4	3	0	0	0	3
	Total	35	1	5	3	26
			11.43%			
2006 7/11-7/15	Day 1	9	0	1	2	5
	Day 2	2	0	0	0	2
	Day 3	17	0	2	4	11
	Day 4	8	0	0	0	8
	Day 5	5	0	1	0	4
	Total	41	0	4	6	30
			14.63%			
2007 7/25-7/28	Day 1	10	0	1	2	7
	Day 2	7	0	1	0	6
	Day 3	10	0	2	1	7
	Day 4	5	0	0	0	5
	Total	32	0	4	3	25
			9.38%			
2010 7/27-7/30	Day 1	18	0	0	1	17
	Day 2	19	0	2	0	17
	Day 3	20	0	1	2	17
	Day 4	13	1	0	2	10
	Total	70	1	3	5	61
			8.57%			

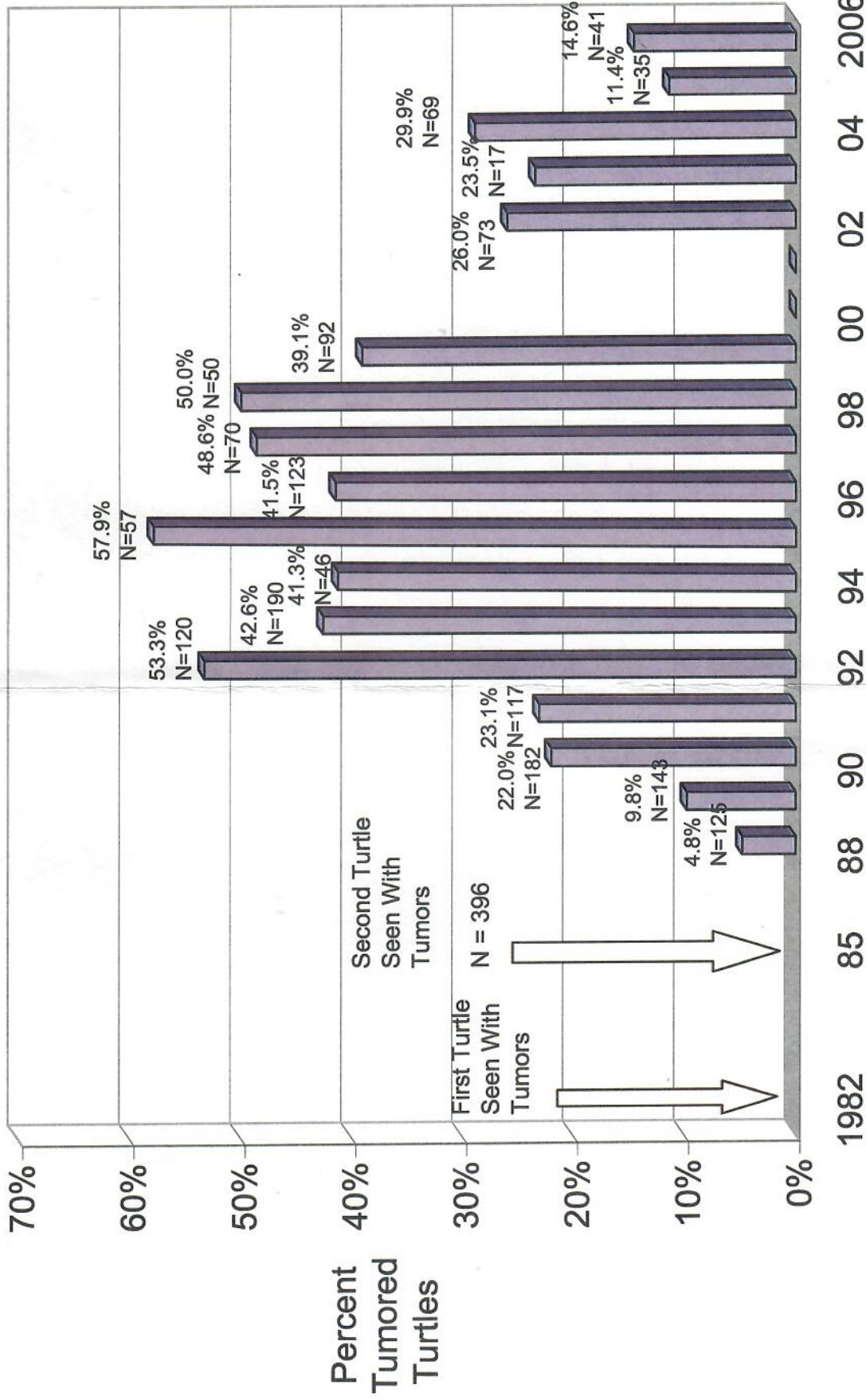
$0.7 = 9.4\%$   
 $0.10 = 8.5\%$   
 &

Annual prevalence of fibropapilloma disease in green turtles sampled at Palaaau, Molokai



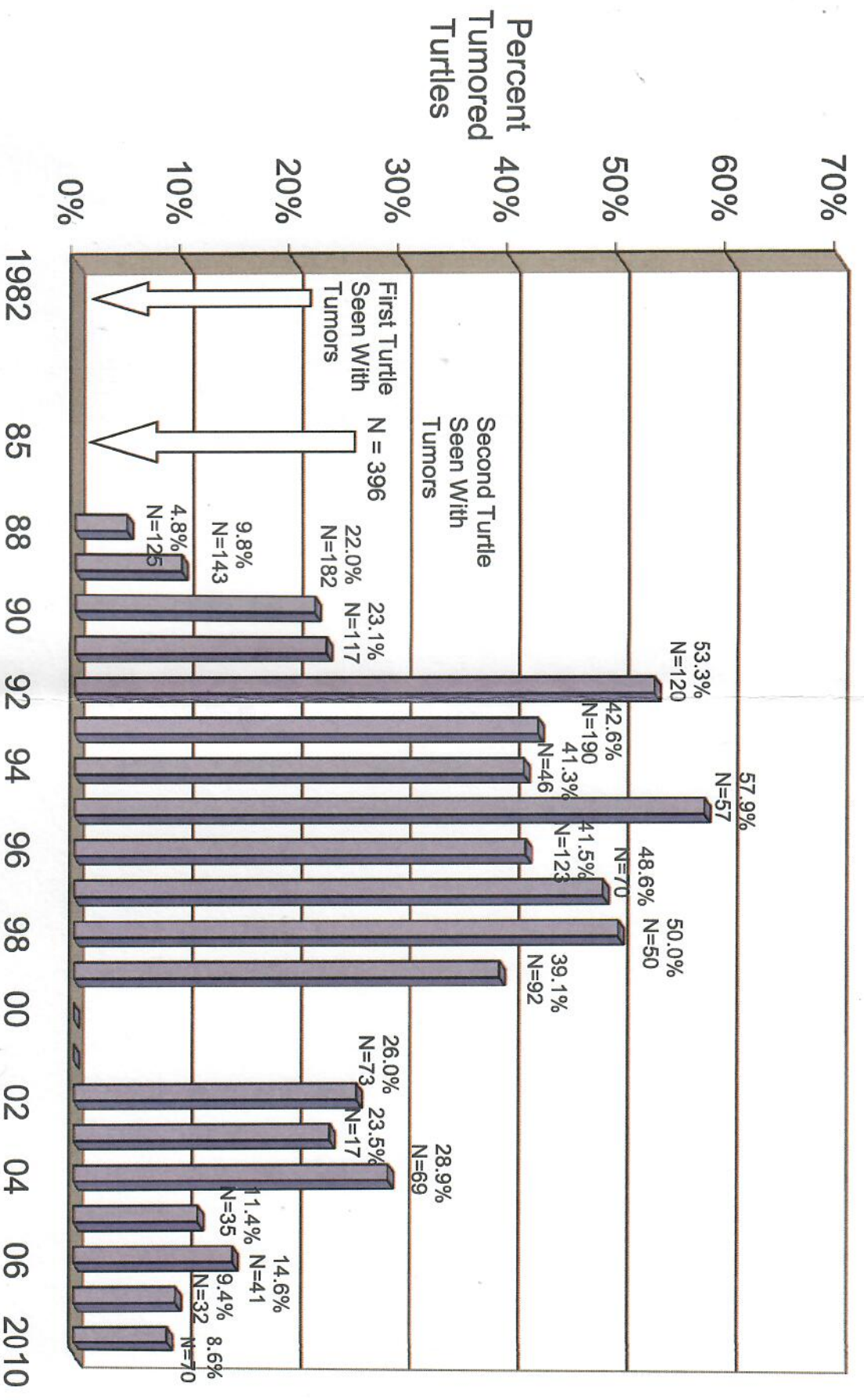
Note: Sampling not possible in 2000 and 2001.

# Annual prevalence of fibropapilloma disease in green turtles sampled at Palaau, Molokai



Note: Sampling not possible in 2000 and 2001.

# Annual prevalence of fibropapilloma disease in green turtles sampled at Palaau, Molokai



Note: Sampling not possible in 2000 and 2001.



### Historical Information for Turtle Tag 11886

Tag Information:

Tag Number	Date	Tag Type	Tag Position
11886	9/17/2002	I681	LHF
424F243A49	9/17/2002	PIT	RHF
42500A4243	9/17/2002	PIT	LHF

Date	Type of Encounter	Location:	TumorRank:	NestingAct:	Straight Carapace	Since Last Encounter			Overall			
						Interval Month	Year	Growth-Rates cm/mo	Interval Month	Year	Growth-Rates cm/mo	
9/17/2002	Near Shore	Lanai, Lae Hi, White Rock	0	-	65.8	---	---	---	---	---	---	---
10/16/2005	Near Shore	Lanai, Lae Hi, White Rock	0	-	68.7	36.0	3.0	0.1	36.0	3.0	0.1	1.0

### Historical Information for Turtle Tag Y373

Tag Information:

<u>Tag Number</u>	<u>Date</u>	<u>Tag Type</u>	<u>Tag Position</u>
44524B6024	7/19/2004	PIT	LHF
4454667607	7/19/2004	PIT	RHF
Y373	7/4/1989	I681	R34
Y374	7/4/1989	I681	LFL

<u>Date</u>	<u>Type of Encounter</u>	<u>Location</u>	<u>TumorRank</u>	<u>Nesting/Act</u>	<u>Straight Carapace</u>	<u>Since Last Encounter</u>			<u>Overall</u>			
						<u>Interval</u>	<u>Year</u>	<u>Growth-Rates</u>	<u>Interval</u>	<u>Year</u>	<u>Growth-Rates</u>	
						<u>Month</u>	<u>Year</u>	<u>cm/mo</u>	<u>Month</u>	<u>Year</u>	<u>cm/mo</u>	<u>cm/yr</u>
7/4/1989	Near Shore	Molokai, Palaaau A	0	-	45.6	---	---	---	---	---	---	---
7/19/2004	Near Shore	Molokai, Palaaau A	0	-	69.3	180.0	15.0	0.1	180.0	15.0	0.1	1.6

Historical Information for Turtle Tag 470A58081B

Tag Information:

<u>Tag Number</u>	<u>Date</u>	<u>Tag Type</u>	<u>Tag Position</u>
467B600C25	7/25/2007	PIT	RHF
470A58081B	7/25/2007	PIT	LHF

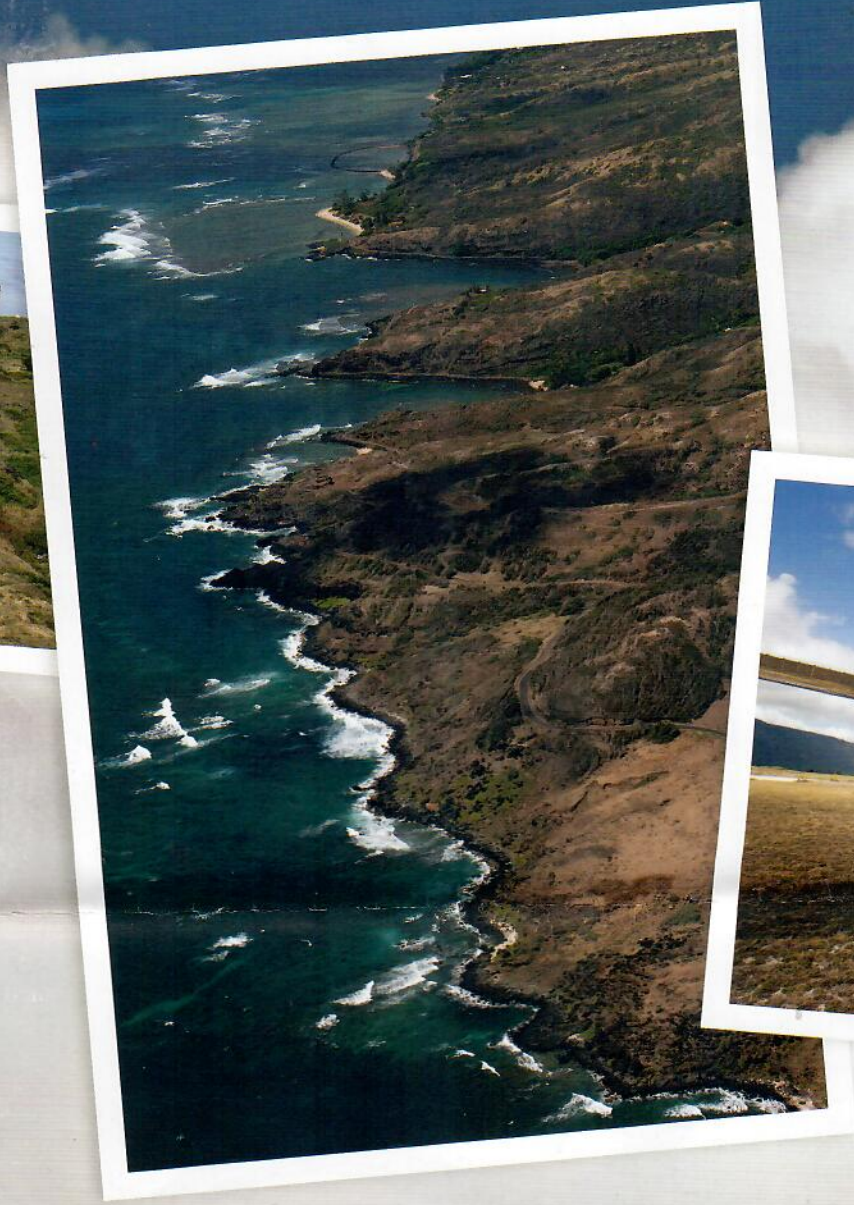
<u>Date</u>	<u>Type of Encounter</u>	<u>Location:</u>	<u>Tumor Rank:</u>	<u>Nesting Act:</u>	<u>Straight Carapace</u>	Since Last Encounter			Overall				
						<u>Interval</u>	<u>Growth-Rates</u>	<u>Interval</u>	<u>Growth-Rates</u>	<u>Interval</u>	<u>Growth-Rates</u>		
						Month	Year	cm/mo	cm/yr	Month	Year	cm/mo	cm/yr
7/25/2007	Near Shore	Molokai, Palaau, East of Harbor	0	-	62.2	---	---	---	---	---	---	---	---

Historical Information for Turtle Tag 45275F5554

Tag Information:

<u>Tag Number</u>	<u>Date</u>	<u>Tag Type</u>	<u>Tag Position</u>
45275F5554	7/11/2006	PIT	LHF
4528600919	7/11/2006	PIT	RHF

<u>Date</u>	<u>Type of Encounter</u>	<u>Location</u>	<u>TumorRank</u>	<u>NestingAct</u>	<u>Straight Carapace</u>	<u>Since Last Encounter</u>			<u>Overall</u>			
						<u>Interval</u>	<u>Year</u>	<u>Growth-Rates</u>	<u>Interval</u>	<u>Year</u>	<u>Growth-Rates</u>	
7/11/2006	Near Shore	Molokai, Palaau, Segundo Spot	0	-	62.3	---	---	---	---	---	---	---



# BLUE SKIES, WHITE KNUCKLES



Story by **Shannon Wianecki** | Photography by **Bob Bangarter**



1.90 113.50 113.90  
118.32 115.10 1

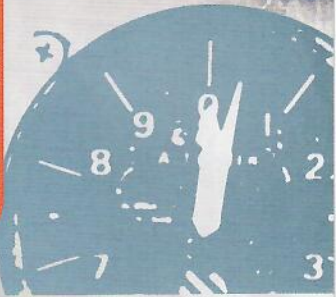
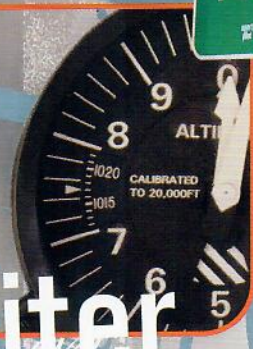
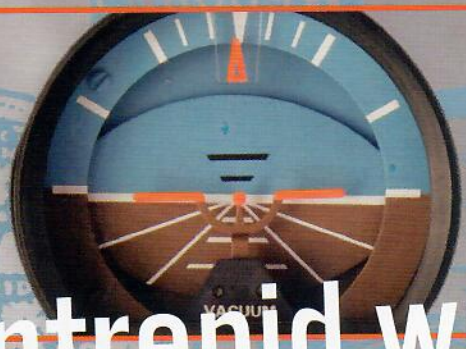




“Learn to Fly Here.” The sign nailed to the tin-roofed hangar announces Maui Aviators, on the far edge of Kahului Airport, just a thousand yards shy of the Pacific Ocean.

Since humans could walk, they’ve dreamt of flying. Everyone from Leonardo da Vinci to Amelia Earhart sought to shed gravity’s fetters and launch into the airy region of birds and clouds. I’ve come to this far-flung pilots’ outpost for my first flight lesson, which happens to include a spectacular coastal tour of West Maui and Moloka’i. A security guard sees me hail from the parking lot, unlocks the gate, and ushers me onto the hallowed tarmac. My feet feel an inch off the ground already.

I join Jon Muralt in the shade of the hangar. The sun-tanned owner of Maui Aviators, the island’s sole flight school, has been helping novice barnstormers fledge for thirty years. “Maui is a great place to learn to fly,” he says. Not only is the weather ideal year-round, but student pilots benefit from practicing maneuvers in the strong crosswinds that roar through the central valley. “We’re pretty easy-going, too,” Muralt adds with a laugh.




# Our intrepid writer

*gets a lesson in flying*

## Fasten your seatbelts!

Clockwise from top left: The Kalaupapa Airstrip is little more than a sliver of pavement abutting the sea; this rugged coastline is best viewed from above. Our writer crosses “land a plane” off her bucket list. The Kalaupapa lighthouse stands sentry over a landscape forgotten by time.

An aerial photograph of a lush, green mountain valley. The terrain is rugged and covered in dense vegetation. In the distance, a coastline is visible with waves crashing against the shore. The sky is overcast with soft, grey clouds. The overall scene is dramatic and scenic, capturing the beauty of a tropical landscape.

He introduces my instructor for the day, a youthful blonde fellow with the requisite pilot's crew cut. Joe Anslover left a law-enforcement career in Phoenix, Arizona, two years ago to pursue his dream of teaching others to fly on Maui—a good move, judging by his cheerful aplomb. We survey the chart of where we'll be flying: around the northwest coast of Maui, across the Pailolo Channel to tiny Kalaupapa Peninsula on Moloka'i. We'll touch down briefly and head back.

Without further ado, we walk out to the fleet of tiny planes. Bouncing slightly in the wind, with wings tethered to the tarmac, they look like the anxious mounts of some fantastical army. We select our steed: a 172 Cessna Skyhawk with racing stripes. Anslover tells me we'll be flying 120 miles per hour. "Phooey," I jest. "I've driven cars that fast!" The ex-policeman arches his eyebrows.

Anslower leads me through an exhaustive series of checks, inspecting the plane from every angle. I drain a capful of fuel from each wing, to ensure that water condensation hasn't contaminated the tanks. Inside the cockpit I test gauges. The myriad dials, switches, and numeric displays baffle me, but I determine to memorize what I can and let Anslover handle the rest. The seasoned pilot claims that flying is a cinch once you've established that your equipment will perform.

I CLENCH THE YOKE FOR  
CONTROL, THEN LET GO.  
NOTHING HAPPENS.



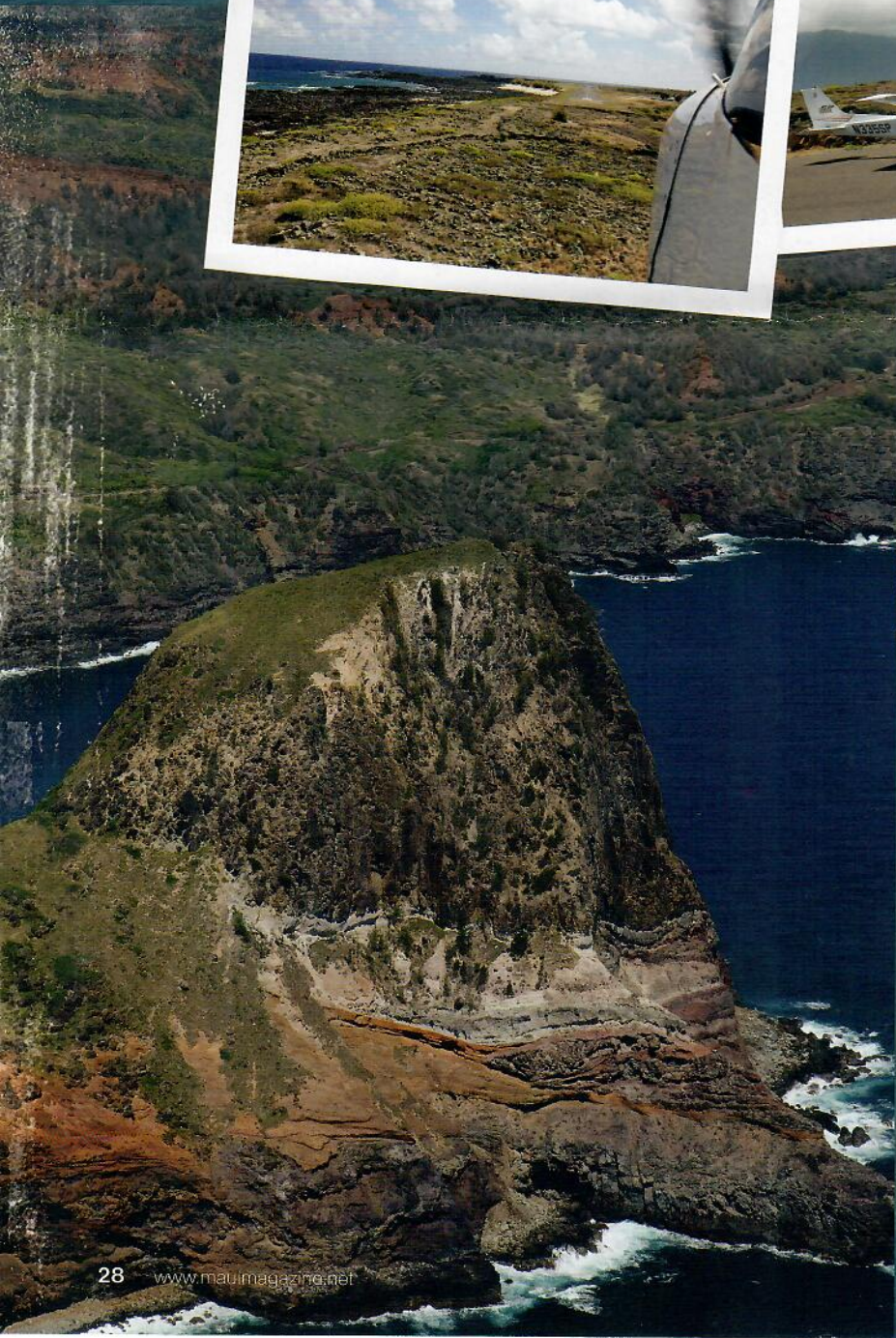
It's time: I strap on my headset and seatbelt and switch on the engine.

Flying might be easy, but taxiing is hard—completely counterintuitive. My feet don't comprehend that they're supposed to brake *and* steer. My arms agonize with nothing to do; the yoke (the plane's equivalent to a steering wheel) doesn't activate until we're in the air. We bump down the runway, careening left and right, nearly wandering into the grass after I spot a migratory bird. Whoops. Back on track, I conjure my best radio voice and alert the control tower that November 533 Sierra Papa is ready for take off. For better or worse, we get clearance.

"Full throttle," says Anslower. The tiny plane erupts in noise. We're suddenly racing toward the end of the runway—and a rocky beach—when Anslower tells me to pull back on the yoke. I do. The nose lifts; we're airborne!

"Pretty close work," says flight instructor Joe Anslower, describing the maneuvers that take the little Cessna over pristine forests and into Molokai's deep green valleys, the realm of waterfalls and tropicbirds.





Leaving West Maui's golf courses and pineapple fields behind, the journey to Moloka'i reveals romantic islets, ancient fishponds, and gemlike reflections on the sea floor.



## DURING WINTER, PILOTS HAVE TO TIME TAKEOFFS WITH THE SURF.

My bravado disappears. I shriek most unladylike into my headset: “I don’t know what I’m doing!” The plane lurches to the left—along with my nerves—then straightens out. Anslover, the picture of calm, smiles. “You’re doing great.” I notice his hands resting in his lap. Huh. This must not be an emergency.

I relax into my seat and absorb the scenery. The West Maui coastline unfolds beneath us like a vast tapestry. We glide over Waichu Golf Course. Fawn-brown hillsides studded with windblown shrubs tumble into the sea. Near the northwest tip of Maui, Kahakuloa’s 636-foot rocky promontory rises from the water like the head of a curious turtle.

Finally able to steer with my hands, I clench the yoke for a measure of control, then let go. Nothing happens. Anslover tells me the plane is stable enough to right itself if I send it into a spiral. Hmm. I prefer to take his word on that.

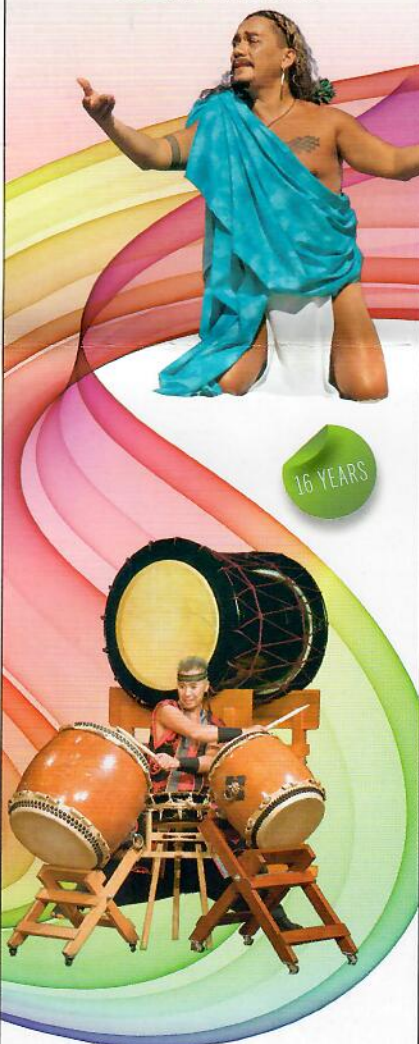
We leave Maui behind to soar above the deep lapis-blue Pacific. I fasten my attention to the altimeter, one of the few gauges I understand, and concentrate on holding the plane between 1,200- and 1,500-foot elevation. Yikes! Clouds ahead. What now? Anslover directs me below them.

Moloka’i appears beneath us, a fairytale landscape of emerald green shrouded in mist. More than 400,000 years ago, a giant landslide shaved off half the island, leaving in its wake vertical walls rising up to 4,000 feet—the tallest sea cliffs in the world.

Waterfalls cleave the mountainside, ribbons of white unfurling down with untold force. Few humans have trespassed on these rain-forested ridges, though we’re cruising low enough to hunt the feral goats that scamper with impunity. White tropicbirds cruise along the green backdrop, trailing splendid long tail feathers. We spot a lone homestead, perched on a ridge overlooking

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**Grow wings**

Maui Aviators is a certified Cessna Flight Center. Log 40-70 hours in the air (with and without an instructor) and complete the required exams to earn your pilot's certificate.

**Go solo**

Licensed pilots can rent planes after completing a checkout flight.

Hālawā Valley. Anslover says a single Hawaiian mom raised her sons there, in utter isolation, and sent all four to university.

Picturesque islets dot the coastline: sanctuaries for nesting tropicbirds, noddies, petrels, and boobies. Tiny Huelo sticks like a thumb out of the sea, sporting a fringe of *loulou*, exceedingly rare Hawaiian palms.

Kalaupapa Peninsula juts from the base of the mountains. Well after that monumental landslide, about 230,000 years ago, a new volcanic eruption created this five-square-mile afterthought—a place of exquisite, haunting beauty. Separated from the rest of the island by vertical cliffs, Kalaupapa is reachable by boat, plane, and mule. Once the lonely exile of Hawaiians diagnosed with Hansen's disease, or leprosy, it's now a National Historic Park accessible only with prior permission.

Kalaupapa Airport is little more than a seaside shack and airstrip. During winter months, pilots have to time takeoffs with the surf, lest they get drenched on their way out. Luckily, that's not an issue today.

I line the plane up with the slender airstrip and reduce speed. Anslover tells me to lift the nose of the plane a touch as we land. Uh, how? Ah yes, by pulling on the yoke. Before I can overcomplicate things, the wheels make contact with terra firma. Stepping from the plane, I'm elated. Jubilant. Alone on the empty runway, I feel like an explorer. Gusts of salty air whip my hair from my face.

On our return flight, Anslover challenges me. "Let's see what this plane can do," he says. "Turn it hard right."

I nudge the yoke to the right.

"C'mon, give it a real dip," he says.

Okay. I yank it all the way. Whoohoooo! As the right wing drops out of my sight, I spot a stunning waterfall. Wow. Butterflies rise in my belly, then vanish. This is freedom.

I agree with Amelia Earhart, who said, "The lure of flying is the lure of beauty." How marvelous the aviation pioneer must've felt, puddle-jumping across the globe in her little Lockheed! And what about those daring WWII pilots, who sped across the Pacific on so many dangerous missions?

Anslower interrupts my reverie, pointing calmly to the vertical speed gauge, which measures our rate of climb, or in this case, descent. It's rather steep. "So, right now we're engaged in an acrobatic maneuver," he says. In other words, we're nose-diving. I pull up on the yoke. Whew. We settle into a gentle descent. As we approach Kahului, the famous crosswinds don't offer much of a fight.

Maui Tower crackles across the airwaves to inform us that a jet airliner is barreling in behind us, so could we hurry up? I gape at Anslover, who helps me land smoothly and speedily.

Shot through with excitement, I climb from the plane and dance around it. For a brief time I broke gravity's hold. I transported myself to a completely different island and back. How miraculous! It's easy to see how this feeling becomes an addiction, an irrepressible urge to explore the limits of human experience.

I thank Anslover for the lesson. He smiles, filling out the first entry in my logbook. Just thirty-nine more hours airborne and I can earn wings of my own.

Give  
Molokai

## 2008 Green Sea Turtle Nesting Survey Kawa'aloa Bay, Moloka'i

This survey was done by a group of volunteers on behalf of Nature Conservancy of Hawaii, Molokai.

The 2008 Green Sea Turtle nesting survey was carried out from April 23 until November 17. From April 23 to May 12 the beach was checked two to three times a week, from May 13 forward observers walked the beach from East to West each morning, with the exception of 2 days in May, 1 day in July, 2 days in Sept and 2 days in November when volunteers were not available or access to the beach was not possible.

A meeting at the beach was held May 13th with the participating monitors. The procedures for identifying and recording the excavations were reviewed and it was agreed to continue identifying the excavations with the same procedure that was adopted in 2007. Using landmarks and measurements, gps way points, marker sticks and buried cans in the center of the last excavations to record their locations.

Of the 19 trips on shore 7 produced excavations. Of these, 4 hatches were observed and as in 2007 these nests were dug up at least 3 days after the last hatchling had been observed to emerge. The contents of these nests were as follows:

	Nest	Successful Hatches	Undeveloped	Dead	Live	Total Eggs Laid
Hatch 1	1	63	2	2	1	67
Hatch 2	2	unknown				
Hatch 3	4	unknown				
Hatch 4	6	20		57	1	77
		83	2	59	2	144

Hatch 2 had many tracks leaving the nest site, but the exit area was unclear and the shells were not found.

Faint tracks from Hatch 3 were observed as a possible hatch, 4 days later one clear track to the ocean was observed. The shells from this hatch were not found.

The 2 live hatchlings found in Nests 1, & 6 were released to the ocean.

The 57 dead hatchlings found in Nest 6 all showed mortality in the later embryo stage. The 20 empty shells were found in the lower portion of the nest. There had been heavy rains prior to the hatch and the sand in the nest was very damp.

The 2 undeveloped eggs, 2 dead hatchlings found between the exit areas and the shoreline, and the 57 dead hatchlings from Nest #6 were frozen and sent to George Balazs at the National Marine Fisheries Service in Honolulu.

Of the 12 false crawls made, 3 crawled high up onto the beach and 9 stayed below the tide line.

The nesting activity was in the area west of the river, the last 4 nesting trips were at the most western part of the beach close to the base of the rock cliff face.

Nesting activity also took place on the small sand beach immediately to the east of Kawa'aloa beach. The excavations were recorded and monitored but no hatches were observed.

Monk Seal Activity was observed on 5 occasions between early May to late September, seals were sighted on 2 of those occasions and reported to NOAA Fisheries Pacific Island Regional Office.

Submitted by Lil Macmillan.

Data from nests dug up after hatching

Date	first trip	first nest	last trip	first hatch	last hatch	Aborted	Nesting Trips In	Hatches	% Hatched	Average Incubation	Track count	nests dug up	eggs		average		successful	
													laid	lay	lay	hatch	count	hatch
1986		7/28					3	1	33									
1987						2												
1988	7/4	7/29	8/29	9/27	10/26	2	4	3	75	59.6		1	62		62		61	61
1989	7/25					1												
1990																		
1991	6/19	6/19	9/2	9/1	10/29	1	4	3	75	57.7		3	200		67		198	66
1992	6/23	6/23	7/24	9/22	9/22		2	1	50	61		1	75		74		74	74
1993	5/31	5/31	9/2	7/31	10/13	2	8	3	38	61.3								
1994																		
1995	5/20	5/20	8/4	8/8	9/17	2	17	5	29	59	218	3	226		75.3		218	72.6
1996	7/15	7/15	7/18				2											
1997	4/30	4/30	9/2	7/15	9/30	13	25	6	24	62.3								
1998																		
1999	5/25	5/25	8/29	7/25	10/22	6	26	11	42	63.2	625							
2000																		
2001	5/8	5/8	8/20	7/24	10/18	1	25	13	52	62.2	560	1	79		79		78	78
2002																		
2003	5/17	5/17	8/22	7/16	10/19	6	27	13	48	60.6	408							
2004	6/5	6/5	10/8	8/17	11/25	2	16	6	38	58	283	2	137		68.5		135	67.5
2005	5/1	5/1	9/7	8/3	10/15	20	37	12	32	59.7	396	1	81		81		79	79
2006	4/25	5/23	11/19	8/4	11/24	32	17	8	47	62.3	192	5	406		81.2		380	76
2007	5/10	5/10	8/30	7/17	11/2	13	28	14	50	61.6		14	1073		76.6		1012	72.3
2008	4/27	5/24	10/24	7/28	11/4	12	7	4	57	64.75		2	144		72		83	41.5



Date: Mon, 16 Nov 2009 16:20:25 -1000  
From: Lil Macmillan <lilmac@wave.hicv.net>  
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>  
Cc: Russell Kallstrom <rkallstrom@tnc.org>  
Subject: season finale

Hi George,

Yesterday - as you already heard :- ) we dug up our last hatch of the season. It was #28, the one that was dug in the path above the beach just west of the parking area.

Last Monday, Joan found 7 tracks and was not able to tell exactly where the exit was as people had walked across the area. We checked all week for more tracks, but none were seen so we were a bit concerned that the foot traffic had impacted the nest.

Happily we found 67 empty shells, 5 live and 3 undeveloped. The live ones were released to the ocean and I have the undeveloped eggs in my freezer....along with the rest of the season's remains for you to take back Wednesday.

See you soon,  
Lil

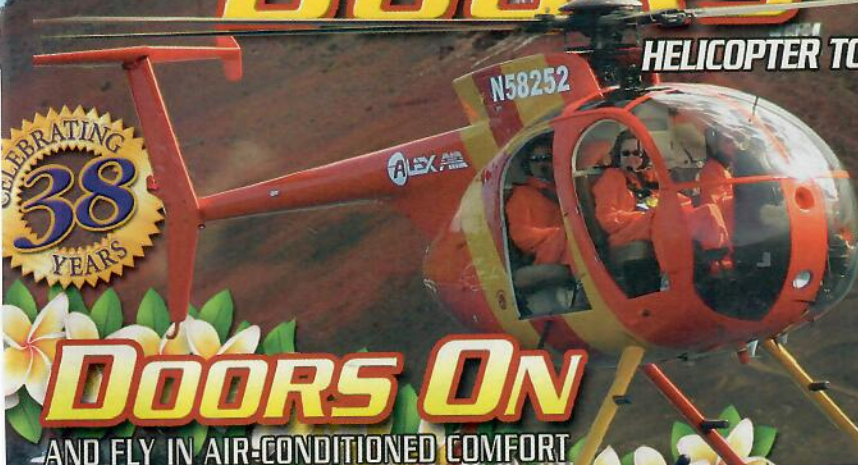


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52

## Visit A Legendary Aviator's Grave

In 1974, suffering from terminal cancer, Charles Lindbergh was flown to his home on Maui where he set about planning his funeral. In 1927, Lindbergh earned huge celebrity when he became the first aviator to fly solo across the Atlantic. That celebrity was eclipsed in 1932 with the publicity surrounding the kidnap and murder of his eldest child.

As well, Lindbergh's political beliefs blurred his huge stature as an American hero. His isolationist leanings, efforts to keep the United States out of WWII and his views about Hitler led many Americans to brand Lindbergh a Nazi, an anti-Semite and a traitor. But to most, he remains an American hero.

In the end, Lindbergh found a measure of peace in an isolated cemetery on the slopes of Haleakala, 12 miles beyond Hana, in Kipahulu. He and his wife, Anne Morrow Lindbergh, had a home nearby in Kipahulu. The house has been moved to a site within Haleakala National Park.

He died on Aug. 26, 1974 at the age of 72. He was placed in his coffin wearing his favorite working clothes: a long-sleeved shirt and worn pants. Around noon that day, a pick-up truck transported Lindbergh's coffin to the church without fanfare. A scant 14 people witnessed its arrival and attended the short ceremony inside the Palapala Ho'ouma Church, adjacent to the cemetery. His late wife sat alone in the first pew, her neighbors gathered behind her protectively. There were neither elaborate funeral wreaths nor messages of condolences from around the world.

High above the distant ocean and reachable only by a perilous so-called highway sabotaged by blind, cliffside turns, Lindbergh's resting place is an oasis of gentle peace and quiet. A Chinese banyan spreads its branches over the entrance to the church's enclosed yard. Simple concrete stepping stones lead into the limestone and coral church that was built in 1857.



Photo by istock.com

A plain, dark brown cross seems to be the only ornament, but as you come near you will see a painted glass window of Jesus Christ. The window is displayed in a niche on the side of the church. Samuel F. Pryor, who was Charles Lindbergh's close friend and neighbor, commissioned a New Zealand artist to do the window for the church when Pryor restored it many years ago.

The road to the church is one mile from the parking lot entrance of Haleakala National Park at Kipahulu. As you navigate the narrow, windy Pi'ilani Highway from Hana, watch for the 41 mile marker sign on the right-hand side of the road at the crest of a small hill. Drive past the fruit stand and the road to the church will be on your left. Look for a wooden water tank under a tree and a sign for the church.

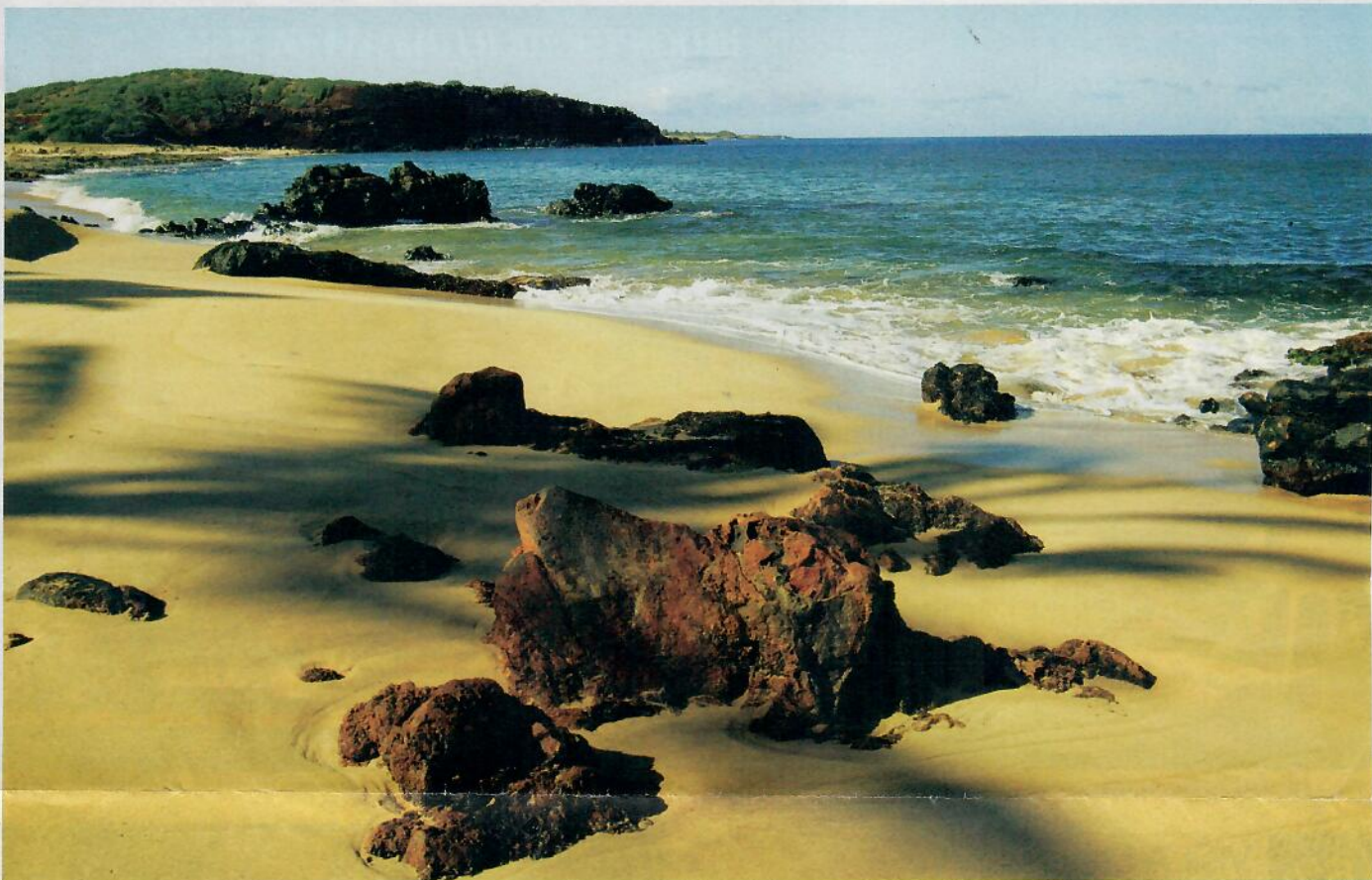


Photo by iStock.com

53

Molokai: The Island Money Can't Buy

Twenty-five miles southeast of O`ahu and eight miles across the Pa`ilolo Channel from Maui lies an island like no other in the Hawaiian chain. Best described as 100 percent natural, Moloka`i is everything that O`ahu and Maui are not.

There are no traffic lights, no buildings taller than the palm trees, no shopping malls, no crowds, no rush. Moloka`i, in fact, is the only major Hawaiian island without an 18-hole golf course. There is a laid-back, nine-hole course, which like everything else on the island signals its low-key approach to tourism.

Arriving in 1977 with a small resort, tourism came late to this island that remains vigilant of its rural lifestyle. It is home to Hawaii's longest beach, the world's highest sea cliffs, the largest reef system found anywhere in the United States and the state's highest waterfall cascading over 1,750 feet.

The island claims the largest number of undisturbed ancient sites, among these a 700-year-old heiau (ancient Hawaiian temple). It is the legendary birthplace of the goddess of hula and the site of a former Hansen's Disease (leprosy) colony, which for more than a century was home to people exiled with the disease. That colony, Kalaupapa settlement, is now part of the national park system, and Father Damien, the priest who died caring for its terminally ill residents, has been canonized and taken his place as Hawaii's first saint.

Last year, Molokai Ranch, the island's largest employer, ceased operations shutting down the recently renovated 18-hole Kaluakoi Golf Course, the island's only movie theater, a 22-room lodge and 40 tentalows. More than 120 people were left without jobs.

So if you're drawn to simple pleasures, Moloka`i is happy to oblige. Outdoor adventures are a natural with hiking, biking, camping, fishing, diving, sailing and stargazing topping the list. Nightlife may be slim to nonexistent, but the island's unfiltered view of the stars more than compensates.

Don't expect to find lodging in a large hotel on Moloka`i. Choose from small hotels, condominiums, beach houses, vacation rentals and bed and breakfast accommodations. Or try camping under that magnificent starry sky.

Upcountry camping is available at Pa`alau State Park and just outside Kamakou Preserve (for permits contact the state Department of Land and Natural Resources, 808-567-6083). Oceanside camping can be found on the island's west and south shores (contact the County of Maui, 808-553-3204 for permits). The Hawaiian Homelands Department (808-567-6104) offers camping one mile west of Kaunakakai. Moloka`i Horse and Wagon Ride operates a private camping ground 15.5 miles east of Kaunakakai.

This is a place where time has resisted passage, an island isolated and aloof where the Native Hawaiian culture thrives and evidence of its ancient past remains very much alive. Folks who live there (nearly 40 percent claim native Hawaiian descent) describe it as a place where aloha is not just a word, but a way of life.

Many of Molokai's 7,404 residents lost jobs when Molokai Ranch shut down. But hunting, fishing and sharing resources is a way of life on this sleepy island at the edge of paradise. There are truly some things money can't buy. Expect to find them on Moloka`i.

The island is a short flight from O`ahu and Maui. It also can be reached by ferry. The Molokai-Maui Ferry departs twice daily from Lahaina Harbor on Maui and Kaunakakai Harbor on Molokai. For more information about Moloka`i, call 1-808-553-3876 or Molokai Outdoor Activities, 877-553-4477.

Dear Chuck,

I'm writing to thank you for the amazing opportunity that you have provided for me over the last six years. I don't know if you are fully aware of the impact that writing for your magazine has had on my life.

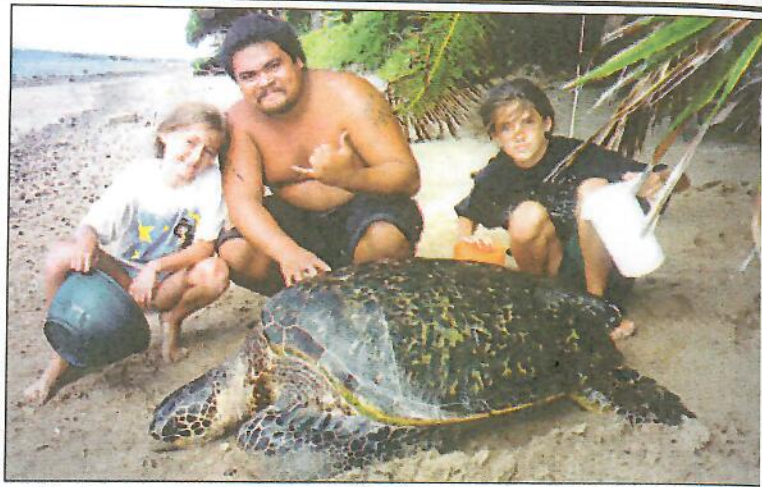
As a child, I had a very unique idea of what qualified as "necessities" for my family's regular trips to Moloka'i, Hawai'i. Feather boas, princess dresses, some baby dolls and a tea set would suffice as crucial entertainment on the desolate island. I was far more absorbed in my frills and make-believe than the practical realities of hunting and fishing that surrounded me. As everyone else prepared the day's catch for dinner, I would be flying down the beach in a ball gown, or sitting in my regal throne at the top of a tree. I was an oddity in that isolated beach community.

But then one day, quite by accident, everything changed. I was embarrassed at first that my mother and father had found and submitted that essay I wrote for class in 7th grade, until I realized that I had unknowingly addressed a major current debate over the use of unselective fishing practices in Hawai'i that trap endangered animals, like sea turtles. I was flattered when you offered to pay me for monthly articles. I was acquainted with your magazine: I had seen it at every convenience store check-out counter, at the grocery store and on my dad's desk. Every local fisherman had the annual *HAWAII FISHING NEWS* tide calendar tacked to his wall. Our own family consulted it daily in order to plan and prepare for the appropriate activities. However, I was not a fisherman, nor did I have any dreams of becoming a journalist. Yet, there I was, a gangly, blonde, 12-year-old, strict vegetarian girl from northern California, on the cover of the magazine with a giant sea turtle that I had helped save from a gill net and I was getting paid to recount my fishing adventures to men much older and more experienced than I.

So, my trips to Moloka'i took a new turn. I now had to take full advantage of the time there in order to gather enough stories, interviews and data to write about every month that I was back in California going to school. However, this was not hard. Being featured in *HAWAII FISHING NEWS* seems to be a source of pride and social superiority to the men on Moloka'i, all of whom read it cover to cover religiously. What more could you ask for than to have your name in print, with stories of your fishing expertise and glorified success? So, as soon as our rusting truck was spotted in the yard of our beach house, calls started pouring in from all my dad's friends, who fish every day both for the joy of it and out of the simple necessity to feed their families, inviting me to come along. Of course, I was thrilled to actually be a part of that lifestyle.

Moloka'i is a very traditional, and thus male-dominated, island. Every job and leisure activity is gender-specific, and fishing is a job for the men. Women and children are seldom, if ever, included. Yet now, as an *HFN* writer, I go out daily trolling, diving for wana, spear diving, shore casting, bottom fishing and setting lobster and prawn traps, then cutting, scaling, cleaning and preparing the fish (and the poi to eat with it!). I am always the youngest and the only girl on each and every one of these excursions, causing me to remain, despite the change, a local oddity.

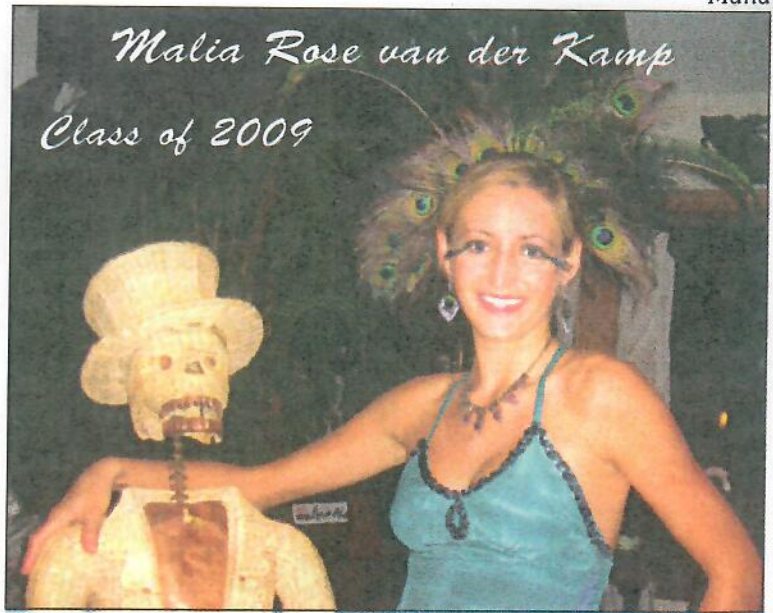
Now I pack my bag for Moloka'i with swimsuits and fishing gear, knowing that I will have no down time for any other form of entertainment. The achievement of getting this job has had a dramatic effect on my life. Not only have I gained knowledge, experience and acceptance in a world that I would have otherwise never known, but it has also forced me to become extremely environmentally conscious. By talking to fishermen in the Greek islands, reading every ocean-related news article in the newspaper and online, and studying the rapid decline of the ocean's health, even in the six years that I have been watching, I cannot help but become enraged at the sheer greed and selfishness of fishing industries. Since I have become far more involved in the local community on the island, my passion to protect it has also increased.



All of my youth, I only wanted to be a movie star when I grew up. However, this job, while not removing my old ambitions, has directed my focus down a new avenue. I now also dream of studying to become a journalist or lawyer so I can reach out to more than Hawaiian fishermen and evoke changes for the better in people all over the world. Hopefully in my downtime, there will be time for a little fishing, too.

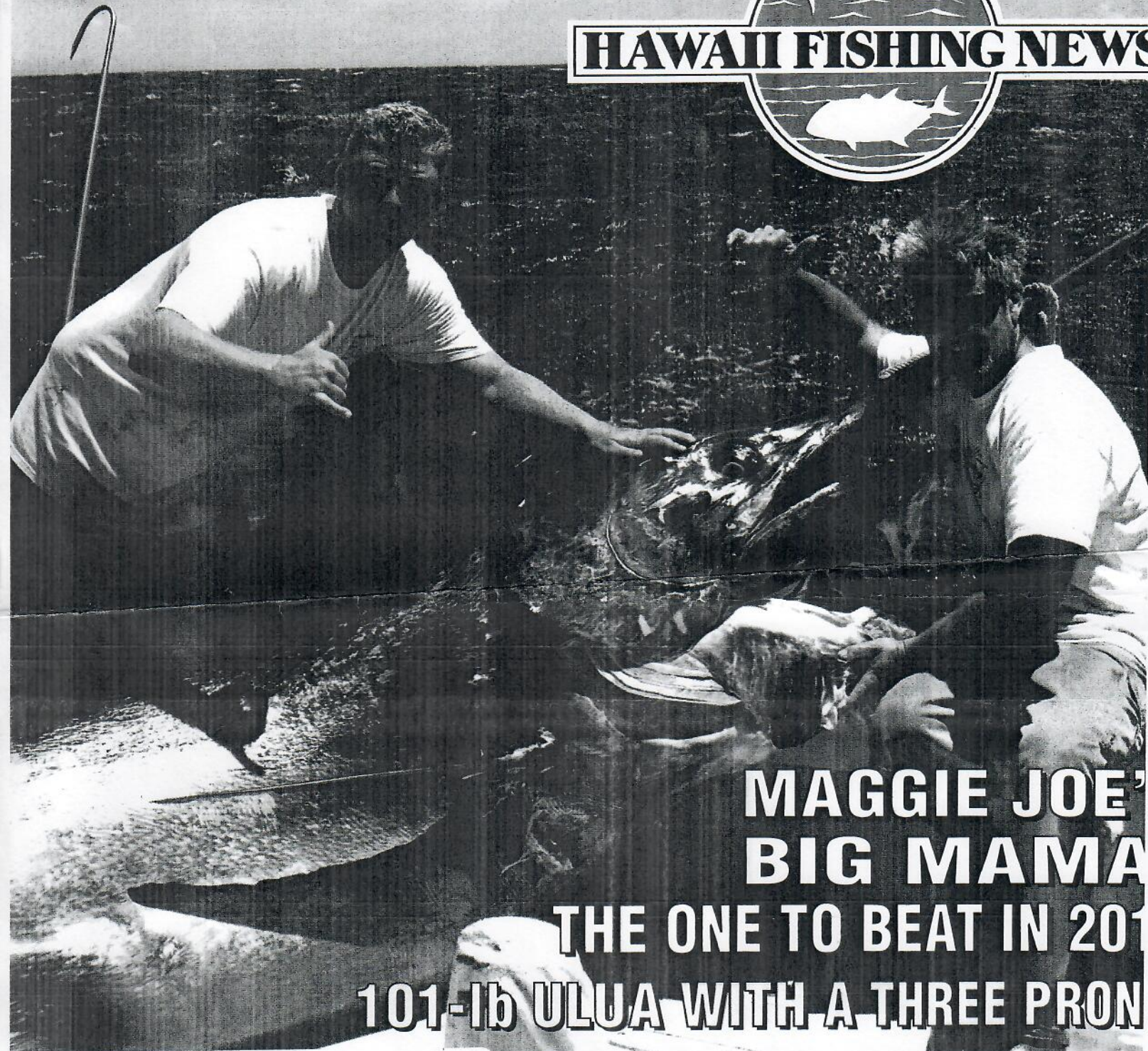
I feel terrible about how incongruous my writing has become these last four months. I got caught up in the whirlwind of transition, graduating and getting ready to leave. But I don't want you to think that it was out of lack of appreciation or respect for all that you've done for me. I leave for UCLA on September 17. I can't help but be extremely aware of the fact that *HFN* was a large part of all my college applications, and is the reason I was given a scholarship to the private high school I went to—both of which were significant factors in my admittance. Thank you again for all of the lessons, experiences and stories I have gained. I know that in my future travels I will never be able to pass up a fisherman without interviewing him. Who knows what interesting stories will await me out there! I hope to keep in touch and share them with you.

*With lots of aloha and eternal gratitude,  
Malia*



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**HAWAII FISHING NEWS**



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**HAWAII'S FISHERMAN**

2010 VOLUME 35, NUMBER 12

\$ 5



Diane Medeiros  
 PO Box 1216  
 Kaunakakai, HI 96748

(Sorry I have actually gone to 2 pages!! But it's a 2 year letter, right?) 

A sad note this year - our little kitty Skittle went home to heaven to meet up with Scoopy & the rest of the gang. She was a sweet little girl..... we miss her.

Oh, and Sweetie, Eddie's German Shepherd and faithful side-kick, loves going to work with him every day & keeps him company while he's out on the road. She even goes to church with us! One day she walked down the center aisle in the middle of the service - everyone just said "Oh, Hi Sweetie" - the Pastor never even missed a beat!

In November this year, Eddie finally went in & got his left shoulder fixed. Torn rotator cuff (2 tears) and a bicep that had almost totally pulled away from the bone. Yikes. Guess he got it done just in time on that one! So he's in a LOT of pain, and trying reeeeeellllly hard not to overdo it. If you can imagine that! Poor guy, we all know how he just LOVES to sit still!!!

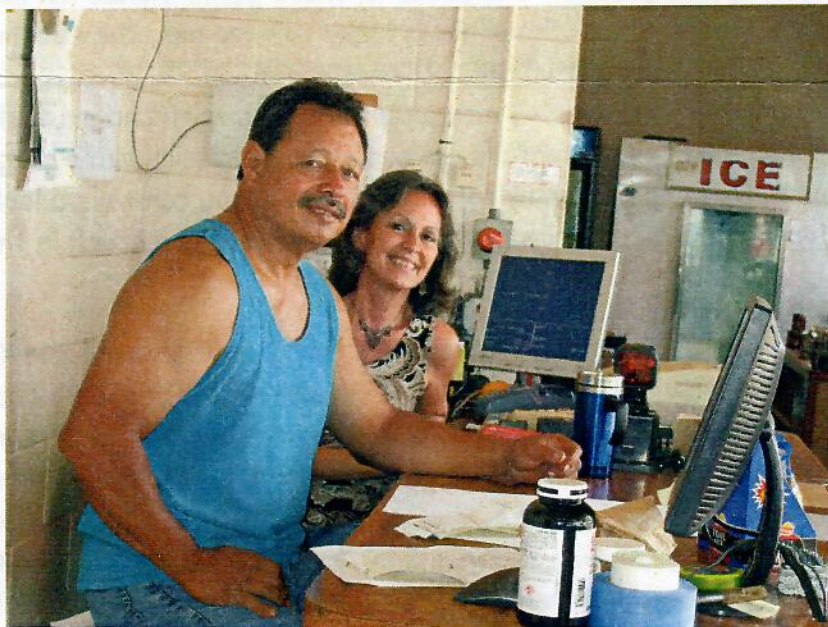
An den..... the next week, Eddie's mom (Prisca) had a stroke & landed in Honolulu having an MRI (don't worry, she's fine!) - leaving the doctors puzzling over why in the world wasn't her right side paralyzed! Ma just smiled sweetly and laughed ..... our God is sooooo AWESOME!!!!

That's about it for now. As we go into these hard financial times that we are all facing, it's good to remember that our Lord goes before us, that our lives are in His most capable hands, and that He has said "Fear not. I am with you ALWAYS. Even unto the end of the age." Great is Thy faithfulness, O Lord!! God bless you all!!



Love to you from Hayaku Gas & Go!!

XYOXY EDDIE, Di + CRITTERS ♡



(SORRY NO PAW PRINTS! I CAN'T KEEP UP!)



SURPRISE! ANOTHER KITTY!

MELE KALIKIMAKA IS THE THING TO SAY  
ON A BRIGHT HAWAIIAN CHRISTMAS DAY!! 2008 & 2009!!!



Hello and God bless you all!!! Yes, we are still on the planet!! Just crazy busy!!  
Sorry about last year!!

And how is our new gas station, Hayaku Gas & Go going this year????? Never have so few worked so many hours with so little sleep!! Ha! But then, never have we so thoroughly enjoyed a business before - AND the people we work with! AND the customers we get to have fun with every day. It really is enjoyable and the laughter ringing out throughout the day from all of us testifies to that. And Eddie is getting to use his culinary talents to come up with new food products to sell - whole roasted chickens ("Papa Moke's Honey Roast Chicken"! ) breakfast burritos (egg, sausage & cheese), roast beef & mushroom sandwiches, BBQ beef sandwiches on French rolls - YUM!. I'm baking apricot bars (or guava, mango, apple cinnamon, etc) and people are just eating them up!! Haha! So basically, we are always working - baking, roasting, serving, pumping - in addition to our Credit Union and landscaping jobs - and when we sits & thinks, we falls asleep!!



Whats new for 2009? We're not quite busy enough, so we just acquired one more business - we bought the laundromat that's down the street from the station. "Ohana ('family') Laundry" we call it & now we are "quarter-aires"!! Every night we go & collect our bucket of quarters - feels like winning the slots in Vegas and the grandkids have a blast rolling quarters with us!

Speaking of grandkids, they came over a few times this year & we had so much fun with them. Our place is full of wild chickens, so Koa spent a lot of time chasing them down. Good fun, Molokai style! Kai & Ti helped me feed my FOURTEEN CATS!! (see below) Life is much sweeter with those little guys around (the kids, not the cats)!! Ok, Kekoa is no longer a little guy - he's almost TWELVE, believe it or not & I think he's taller than me now! But still is that same sweet young man - has a big heart like his Popo. Kaila & Tiana are just precious, with happy faces that light up the whole day. Yup, we are truly blessed with these guys!! Renee works at St. Anthony's (the kids' school) during the mornings (the school's lucky to have her, she's sooooo good with kids!) and Joey is still hard at work with Tropical Innovations - his landscape business that has gone full blown into cool water features - I saw pictures of his work and am truly amazed at what he does. Fish ponds, grottos, waterfalls, swimming pools - wow! With gorgeous landscaping all around. He has his website up now showing the features & you can take a look too. [www.tropicalinnovations.net](http://www.tropicalinnovations.net) I guess growing up in the Canyon with a creek in the front yard is paying off!



And in the critter department..... Yes, it's true - 14 cats!! I am becoming the Kat Woman of Kawela. Not intentionally either!! I'm positive there's a sign on our property that say "All Strays Gratefully Accepted !!! Last year we had a mama cat show up with 2 teenagers & 4 little kittens! Yikes! In 2009, she had 2 more! Can't get her into the vet! She's too crazy! Then another one shows up with only one eye - 'oh, the poor little thing'..... you know how that went already! So now we have Molly, Kali Girl, Max, Indigo, Samuel, Jericho and Akiko. That's besides Bud the Psycho Cat, Zoey & Dryer. (I'm missing somebody.....) I never named the mom, cuz I really am going to take her for a little ride. ....

(2009 update: ok, fine, her name is MommyCat & she's still here!)





CONIKO

2008 Feb



HUAS Book

GOODBYE GUY!

OOOOKAY.... LET'S SEE, WE MISSED CHRISTMAS AND NEW YEARS.... GUESS THIS IS A HAPPY VALENTINE'S DAY LETTER!! AND YES, WE DO LOVE YOU!!!!

So, what's new with us this year? And why didn't you hear from us earlier?? Hold onto your hats, we're off again!! JUST when it looked like retirement was just around the corner (ha!) .... Eddie & a friend said "Hey!! Let's go partners and buy Kalama's Service!!" - one of the 2 main gas stations on the island. What a whirlwind experience this has been!! We took over the business on November 1st & have been on the run ever since. Very exciting, fun and also tiring but soooo fulfilling as we see the support from the community with our efforts. It's called "Hayaku Gas & Go" (Hayaku means hurry or fast in Japanese) so we hope to be everyone's quick stop for gas & quick grinds (snacks) when they are out & about the island. Just goes to show, you never know what's in store for you and you're never too old to start something new!! (Now God, please give me the strength to keep up with my husband!!!) And yes, I am still at the credit union (just made 20 years!) & Eddie is still doing the landscaping, irrigation, Mobettah.net thing. Are we too old for this??? Nah!!! Can still go!! (... just a little slower is all.....!!!!)



We got to spend Christmas day with Joey, Renee, Kekoa, Kaila & Tiana - YAY!! It's always fun to hang out with our little family. The kids are 10, 6 & 3 (I know, I can't believe it either!!) & Mom & Dad keep them running in all kinds of fun things & sports and oh yes, trips to Costco and WalMart!! (yes, I'm very jealous!!) It was a fast Christmas - flew in to Maui at 10:00 am, played with the kids & all the toys, ate everything in sight, watched them play on new bikes, scooters & rip sticks at the park, had a short (but very welcomed!) Christmas nap, watched "Shrek" (too cute!), stayed overnight & flew home at 7:00 next morning - whew!! Fast but wonderful!!



Well .... The bad news this year is that we said good-bye to our 16 year old kitty, Scoopy the Terrible. After a long illness she finally went to one of her favorite sleeping spots & went to sleep - - waking up in heaven with Capone & Hala! .... Sigh .... The good news is, we got another dog - a beautiful German Shepherd that Eddie named Sweetie - because she is!! She is his sidekick when I'm not around and actually..... she listens a lot better than I do anyway! Haha! This dog is truly a blessing and even the cats like her! Her favorite thing to do at the end of the day is "Go feed the cats!!!" She gets all excited & goes bouncing out the door to go sniff everybody & check out their dinner!

DRYER

SWEETIE

ZOEY

Here's something I ran across in the Daily Bread that really ministered to me this Christmas season - "Jesus comes to us, not to shield us from the harshness of the world but to give us the courage and strength to bear it; not to snatch us away by some miracle from the conflict of life, but to give us peace - His peace - in our hearts by which we may be calmly steadfast while the conflict rages, and be able to bring to the torn world the healing that is REAL peace." May this peace of God reign in your hearts this New Year and forever!!

ZIGGY



WITH LOVE. ME + EDDIE

BUD THE ENFORCER

.... AND HUBS !!



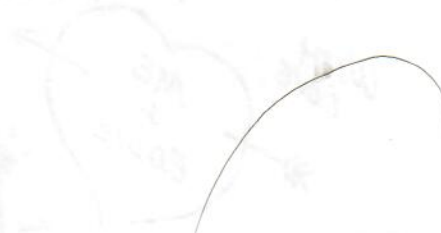
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**Summary**

Resources would be preserved to tell Kalaupapa's stories. Visitors would learn about the significance of Kalaupapa's natural and cultural resources. Opportunities could include guided and self-guided tours, an orientation film, cultural demonstrations, interpretive and stewardship programs, spiritual reflection, and overnight stays, so long as resources would not be degraded. Escorted and unescorted visitor access would be allowed in the Engagement Zone.

Improvements could include facilities for visitor use. Some historic structures would be adaptively used for visitor services (such as overnight accommodations and food service). Adaptive re-use of existing facilities would be designed to be compatible with the cultural landscape. Facilities could include: visitor center, waysides and kiosks, trails, roads, picnic and group use areas, designated camping areas.

**Summary**

Historic buildings and structures would be preserved to tell Kalaupapa's stories. Some would be adaptively reused for operations.

Intact natural resources and processes would be preserved. Natural and cultural resources may be altered in previously disturbed areas to allow for operations.

Visitors would have some opportunities to learn that many park operations activities are in historic structures. Visitor access would be controlled in certain locations and would generally be by escort only. Visitor experience may be impeded by operations due to safety and residents' privacy concerns.

Adaptive re-use of existing facilities would be designed to be compatible with the cultural landscape. Adaptive re-use and limited new construction would be evaluated on a case by case basis for the airport, harbor and pier, roads and parking, administrative offices, staff housing, maintenance facilities, warehouses, and garages, and utilities, DOH care facility (future use to be determined). Both motorized and non-motorized access would continue in this zone.

**Summary**

This zone includes the upland forests and generally follows the portion of the North Shore Cliffs National Natural Landmark within the park boundary. This zone would be managed primarily for its natural values. Natural processes and ecosystem function would proceed with limited management involving elimination of threats and stressors to native species. Within this zone, the natural and cultural landscape would not be differentiated.

Visitor access would be restricted for safety and would occur infrequently. Access would be difficult due to steep slopes. Activities could include traditional practices and research.

**Areas that are zoned Engagement could include:**

- Kalaupapa Settlement
- Pali trail
- Road corridors
- Portions of Kauhakō Crater
- Portions of Kalawao
- Portions of Waikolu Valley

**Areas that are zoned Operations could include:**

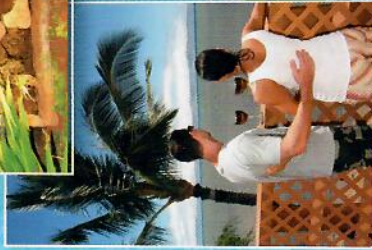
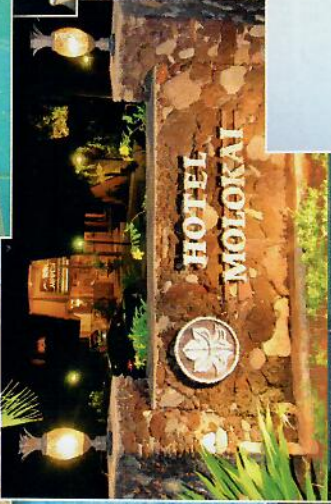
- Settlement facility areas, housing (see list above)
- Airport
- Well and water tanks and access road
- Composting area and landfill

**Areas that are zoned Wao akua could include:**

- The North Shore Cliffs National Natural Landmark area within the park boundary following the 500 foot contour
- Pu'u Ali'i NAR

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offers a one of a kind authentic Hawaiian experience. Come join us on Aloha Friday's and sing along with our Local Na Kupuna. Come dine with us Oceanside for Breakfast, Lunch or Dinner at our Hula Shores Restaurant & Bar. Our lush property grounds are littered with native plants including Banana, Lauhala and even an Ulu (Breadfruit) Tree. Relax and enjoy the priceless ocean or garden views from your lanai or join us poolside for a nice refreshing dip. However you plan to spend your vacation, Hotel Molokai is the perfect destination to make all your worries go away.



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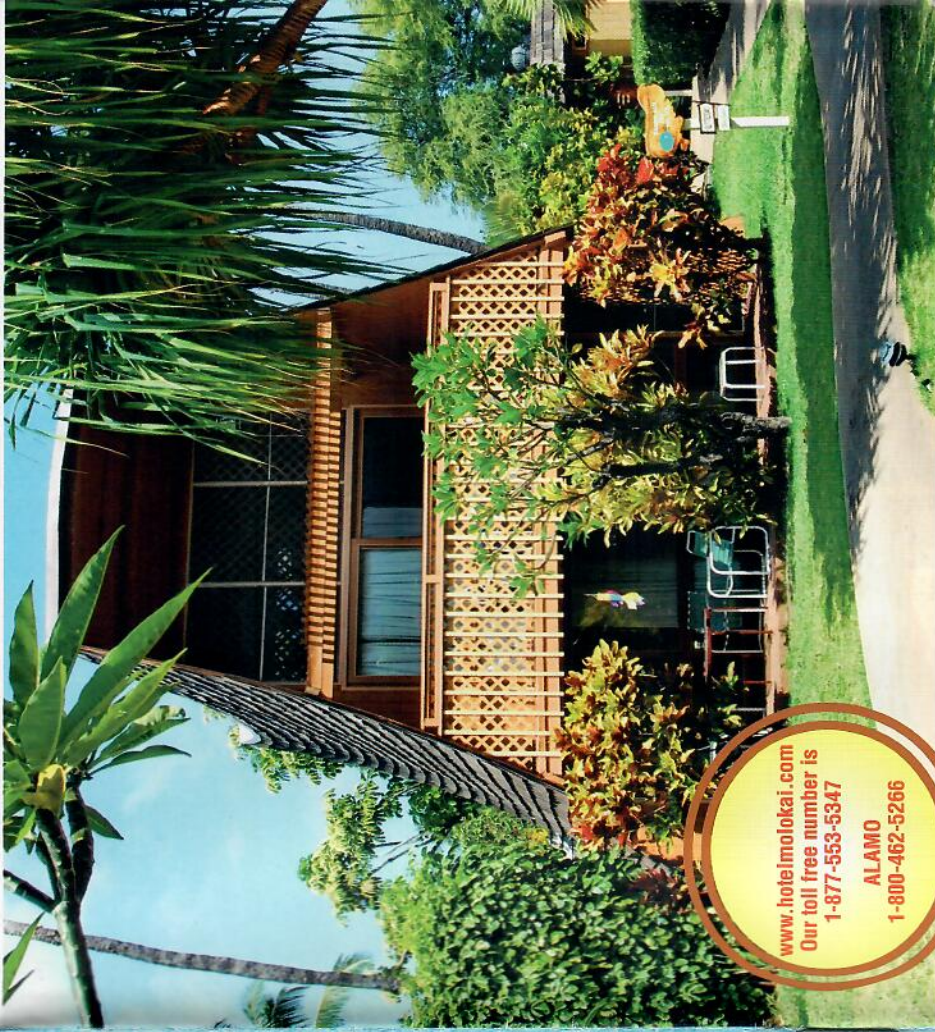
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OCTOBER 2010 - MARCH 2011

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# MOLOKAI MAPS

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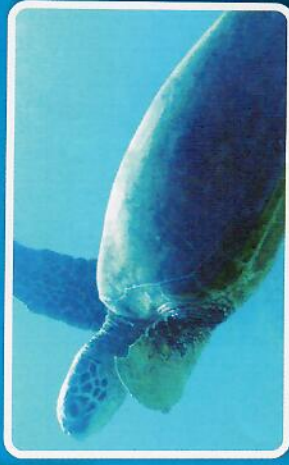


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# Contents

October 2010- March 2011  
Vol. 24, No. 1

6

Island Map

*Welcome to the Friendly Isle*

6

Kaunakakai Detail Map  
*Main Street Molokai*

8

Dining, Shopping & Activities

*Kites, flights and food delights*

14

Kalaupapa  
*Land of Damien*

16

Touring Molokai  
*Steering you around the island*

18

Molokai Online  
*Fast facts, scintillating sites*

20

Saint Damien  
*Hawaii's first saint*

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# Dining, Shopping & Activities

## Big Wind Kite Factory

(552-2364) For more than 30 years, Uncle Jonathan has been making and flying kites in Old Maunaloa Town. This shop is definitely the most colorful place on Molokai, rated a must-stop in every guidebook. Jonathan, his wife, Daphne, and their son, Zachariah, design whimsical kites and windsocks. Hula girls, tropical fish kites and rainbow spinners are but a few of the many enticing designs available—the perfect made-on-Molokai gift for yourself or a friend. Free flying lessons. Factory tours Monday through Saturday 8:30 a.m. to 5 p.m., Sunday 10 a.m. to 2 p.m. Visit [bigwindkites.com](http://bigwindkites.com) or [Molokai.com](http://Molokai.com).

## Denise's Gift Shop

(567-6083) Located in the Kualapuu Center, at the corner of Kalae Highway (470)

and Farrington Avenue (Highway 480).

Looking for one-of-a-kind, tasteful Island gifts? Look no further. Denise's Gift Shop offers one-stop shopping in a cool and comfortable setting that is fun to browse and explore. So, *hele mai*, come on in, and discover unique gifts and crafts, including Hawaiian jewelry, tropical fashions, hula *kahiko* dancers, Hawaiian Christmas ornaments, beautiful woodwork and exquisite body-care and spa products. Open Monday through Friday 10 a.m. to 4 p.m.

## Friendly Market Center (553-5595)

Located in Kaunakakai and known for its friendly service, Friendly Market Center is the "family store on Molokai." Recommended by *Frommer's Travel Guides*, Friendly Market Center features a wide variety of fresh Island seafood and produce, as well as a highly regarded meat section. You'll also find a full array of groceries, health foods, sundries and liquor. Visa, Mastercard, JCB and American Express accepted. Open Monday through Friday 8:30 a.m. to 8:30 p.m.; Saturday 8:30 a.m. to 6:30 p.m.; closed Sunday.

## Hula Shores Restaurant &

**Bar at Hotel Molokai (553-5347)**

Conveniently located two miles east of Kaunakakai, Hula Shores Restaurant & Bar is the perfect place to enjoy breakfast, lunch or dinner. Its oceanfront dining is a great way to start or end your day. Have a cocktail as the sun sets and enjoy the local nightly entertainment. Join in the "Aloha Friday" event, featuring Na Kupuna from 4 to 6 p.m. and local bands from 6 to 10:30 p.m. Call the restaurant at 660-3400 or concierge desk at 660-3408 for more information or to make a reservation.

## Kualapuu Market

(567-6243 or 567-6223)

Kualapuu is your one-stop market, a historic plantation store that has "a little bit of everything."

Now in its fourth generation as a family business, the store is Kualapuu's main grocery store, known for its seasoned steaks, fresh meats, fresh produce and popular local foods, such as poke. This is the spot to stock up on beer, wine, liquor and household goods. Open daily except Sunday 8:30 a.m. to 6 p.m., and

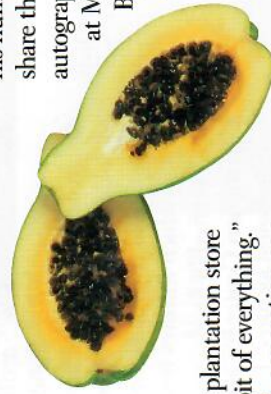
most holidays till 11 a.m., except New Year's Day.

## The Lands of Father Damien

(553-5926) This beautifully narrated and photographed hardcover book is about a small, isolated peninsula on Molokai and the men, women and children with Hansen's disease who were sent into exile there. Foremost among those who came to bring compassion and assistance to these people was Saint Damien of Molokai, whose destiny it was to achieve greatness by his humble efforts to relieve and ultimately share the pain of his fellow man. Personally autographed copies are available exclusively at Molokai Fish & Dive, or write P.O. Box 576, Kaunakakai, HI 96748. E-mail: [fishdiv@aloha.net](mailto:fishdiv@aloha.net); Web site: [molokaifishanddive.com](http://molokaifishanddive.com).

## Makani Kai Air Charters

(877-255-8532) Chances are that the most memorable part of your Molokai adventure will be a visit to the Kalaupapa Peninsula. This serene and beautiful locale, nestled at the base of towering green cliffs, is where Saint Damien spent the final years of his remarkable life. Fly there in executive-class comfort



Photos by Brett Uphoard

# Dining, Shopping & Activities

with Makani Kai Air Charters, take the ground tour, visit the Saint's church and create memories to last a lifetime. Call 877-255-8532 for information and reservations.

**Misaki's** (553-5505, 553-5515) In the middle of downtown Kaunakakai, at the corner of Ala Malama and Mohala streets, you'll find an old-fashioned neighborhood market carrying everything you need: fresh fish, a full-service meat department, liquor, film, fresh Island produce and much more. If you don't see what you need, just ask some of the friendly folks there and they'll do their best to get it. There are even whole chickens roasted every Wednesday, Friday and Saturday, but they're very popular, so call ahead. Visa and Mastercard welcome. Open daily.

## Molokai Fish & Dive

(553-5926) Located in Kaunakakai, Molokai Fish & Dive is a one-stop shop for all of your island activity needs, including snorkeling, whale-watching, diving, kayaking and hiking. Stop in and talk to the friendly staff to learn about things to do on Molokai and which activities are being offered for the next few days. It also offers a full line of rental gear available at daily and weekly rates, with everything from snorkel gear to surfboards. The store has the largest selection of authentic, Island-designed T-shirts and a terrific variety of Molokai souvenirs. Check out the aloha wear for the entire family, colorful sarongs, sundresses, swim-

wear and board shorts. Open Monday through Saturday 7:30 a.m. to 6 p.m.; Sunday and holidays 7:30 a.m. to 4 p.m. E-mail: [molokaidive@gmail.com](mailto:molokaidive@gmail.com). Visit [molokaifishanddive.com](http://molokaifishanddive.com).

## Molokai Museum & Cultural Center

(567-6436) On Highway 470, at the 4-mile marker, is the Molokai Cultural Center and the R. W. Meyer Sugar Mill, built in 1878. Step back 100 years and experience Old Hawaii at this sugar mill, with its mule-driven cane crusher, copper clarifiers, redwood evaporating pans and colorful steam engine—all in operating condition. Open Monday through Saturday 10 a.m. to 2 p.m., the Cultural Center has ever-



changing displays of artifacts and memorabilia. It is also the designated elder-hostel campus for Molokai. Inquire about the five-island Explorer field trip for Hawaii. Visit the Gift Gallery, which features items for all ages, many crafted by local artists. Stop by the Information Center for activities, seminars, archaeological lectures, field trips, hiking tours, exhibits and festivals. E-mail: [mmcc@aloha.net](mailto:mmcc@aloha.net). Call the museum for details on the charters to Kalaupapa.

## Molokai Outdoor Activities

(553-4477) Located at 9 Hio Place, Kaunakakai, Molokai Outdoor Activities provides visitors with a wide range of activities, concierge service, equipment

and car rentals. Specialties are islandwide. Under the same ownership for 12 years, it can arrange your complete Molokai itinerary, showing you the real Hawaii, a combination of education and fun with the warm aloha of Molokai. This is a must stop for action. Children's activity programs are also available through Youth in Motion. Check out [molokai-outdoor.com](http://molokai-outdoor.com).

## Molokai Pizza Café

(553-3288) Located in Kaunakakai Town. Check out the new Game Room with Hawaii's only self-service ticket redemption center. Recognized by the *Zagat Hawaii Restaurant Survey* and recipient of the prestigious Kilohana Award, the Pizza Café serves an extraordinary fresh-dough pan pizza, as well as a full lunch and dinner menu, including fresh deli sandwiches, crisp salads, traditional pasta dinners, mouth-watering baby back ribs and the island's best fresh fish. Clean, cheery, friendly and air conditioned best describe Molokai's modern family restaurant. There is a wide variety of lunch and dinner menu entrees and kids' meals, along with daily specials, such as Mexican Wednesday and Prime Rib Sunday. Great desserts include a complete line of ice cream creations and daily specials. Open from 10 a.m. Monday through Saturday and from 11 a.m. Sunday. All items are available for takeout.

## Molokai Visitors Association

(553-3876) The association thanks you for choosing Molokai as your vacation destination. On Molokai you'll find that aloha is not just a word, but a way of life. Molokai, known as the Friendly Isle, is rich in culture and unforgettable scenery, from lush valleys and

pristine oceans to uncrowded beaches and beautiful smiles. Molokai's easygoing lifestyle and strong cultural ties present Hawaii at its best. Be sure to visit the association's office, located at 2 Kamoi St., Suite 200, for useful information and friendly assistance.

## Molokai Wines & Spirits

(808-553-5009) Choose from the largest selection of wines on Molokai, beers brewed locally and around the world. It also specializes in single-malt scotch and rums from local distillers. The store offers a great selection of tequila, vodka, gin and bourbon. Specialty foods include gourmet cheeses, imported salami, tapenades and condiments. If it's available in Hawaii, Molokai Wines & Spirits will get it for you.

## Plantation Gallery

(552-2364) "Really great stuff; one of the world's most interesting shops; it's like a museum," say visitors to the Plantation Gallery, located in Old Maunaloa Town. Twenty-three years ago, Jonathan and Daphne opened the Plantation Gallery to show off both local crafts and some of the unusual things they had

collected during their world travels. Their globetrotting has resulted in one of the most eclectic collections of ethnic art in Hawaii, including tropical quilts, sarongs, batik clothing, aloha shirts, red coral and silver jewelry, and unique tribal art. The gallery also features the largest selection of Hawaiian



books on Molokai, as well as an extensive collection of Hawaiian music CDs, from slack key to newly released Molokai artists. Open Monday through

Photos by Brett Uprichard





Dining, Shopping  
& Activities

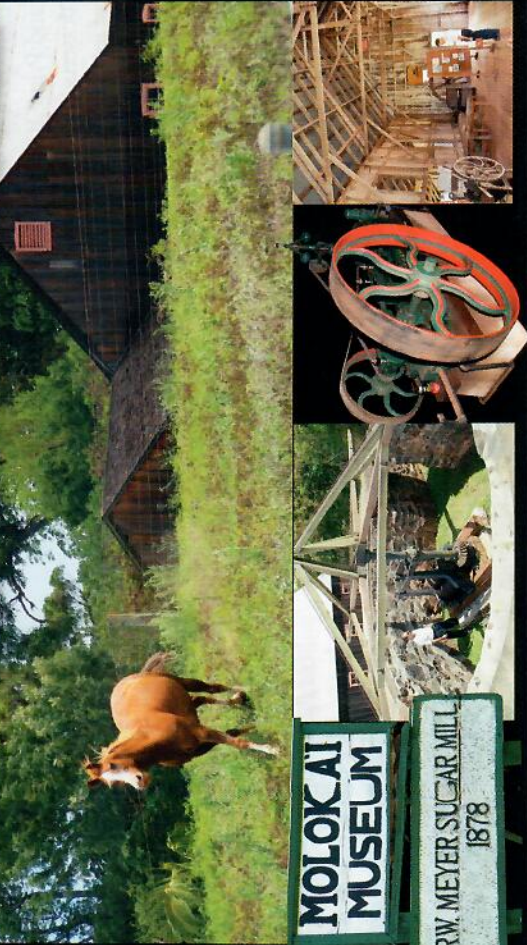
Brett Upchurch

Friday 8:30 a.m. to 5 p.m.; Sunday 10 a.m. to 2 p.m.  
Visit [molokai.com/gallery](http://molokai.com/gallery).

### Purdy's Natural Macadamia Nut Farm

(567-6601) Located behind Molokai High School. Head west on Highway 480 from Kualapuu to Lihipali, turn right and go half a mile. Enjoy an educational tour as the Purdys explain the uniqueness of the macadamia nut. This 80-year-old grove, with about 50 trees, sits on Hawaiian Homestead land in Hooloehua and was planted by the original homesteader. Sample the freshest macadamia nuts in their most natural condition—cracked and eaten right out of the shell. These third-generation Hawaiian homesteaders say: *E komo mai! Kaku mau manuwahi!* (You all come! It's free!) Be sure to visit the gift shop, featuring fresh macadamia nuts, macadamia-blossom honey and made-on-Molokai arts and crafts. Products are available for mail order to the U.S. mainland. Open Tuesday through Friday 9:30 a.m. to 3:30 p.m.; Saturday 10 a.m. to 2 p.m. Closed Sunday, Monday and on Hawaiian holidays. (All hours are weather permitting.) Visit [molokai-aloaha.com/macnuts](http://molokai-aloaha.com/macnuts).

## R.W. Meyer Sugar Mill at the Molokai Museum and Cultural Center



Photos by Brett Upchurch

MOLOKAI  
MUSEUM

R.W. MEYER SUGAR MILL  
1878

## A Colorful Look Into Molokai's Early History



STEP BACK 100 YEARS IN TIME AND EXPERIENCE HAWAII AS IT WAS WHEN YOU VISIT THE AUTHENTICALLY RESTORED 1878 R.W. MEYER SUGAR MILL.

While you're on the Friendly Isle, Record (1978) and the National Register of Historic Places (1979).

In 1988 the heirs of Rudolph and Kalama Meyer bequeathed the sugar mill and surrounding property to the Molokai Museum and Cultural Center, which serves as an activity center for seminars, archaeological lectures and hands-on cultural arts classes, as well as field trips, exhibits and festivals. The Museum is also the Exploritas campus for Molokai. Inquire about the five-islands Exploritas field trip for Hawaii. The Cultural Center also features an ever-changing display of artifacts, memorabilia and photo & art displays.

Nearly 100 years passed before a few dedicated history buffs began dreaming of restoring the mill that, in 1972, lay overgrown in ruinous condition. As much of the original building was saved as possible. Replacement parts were fabricated using original specifications and materials. Today the R.W. Meyer Sugar Mill is listed on both the Historic American Engineering

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CALL THE MUSEUM  
FOR CHARTERS TO KALAUPAPA

Advertisement

# EXPERIENCE KALAUPAPA

A must-see spot on this lovely island is the quiet community of Kalaupapa. Here, where blessed Father Damien gave his life in his mission for Hansen's disease patients, you will come to know the devotion and historical context of the canonized saint.

You will fly in comfort from the Molokai Airport to Kalaupapa, be met by your guide and taken on a comprehensive ground tour. You'll gain insight and understanding of a most remarkable chapter in Hawaii history.

Box lunch provided.  
Must be 16 years or older.



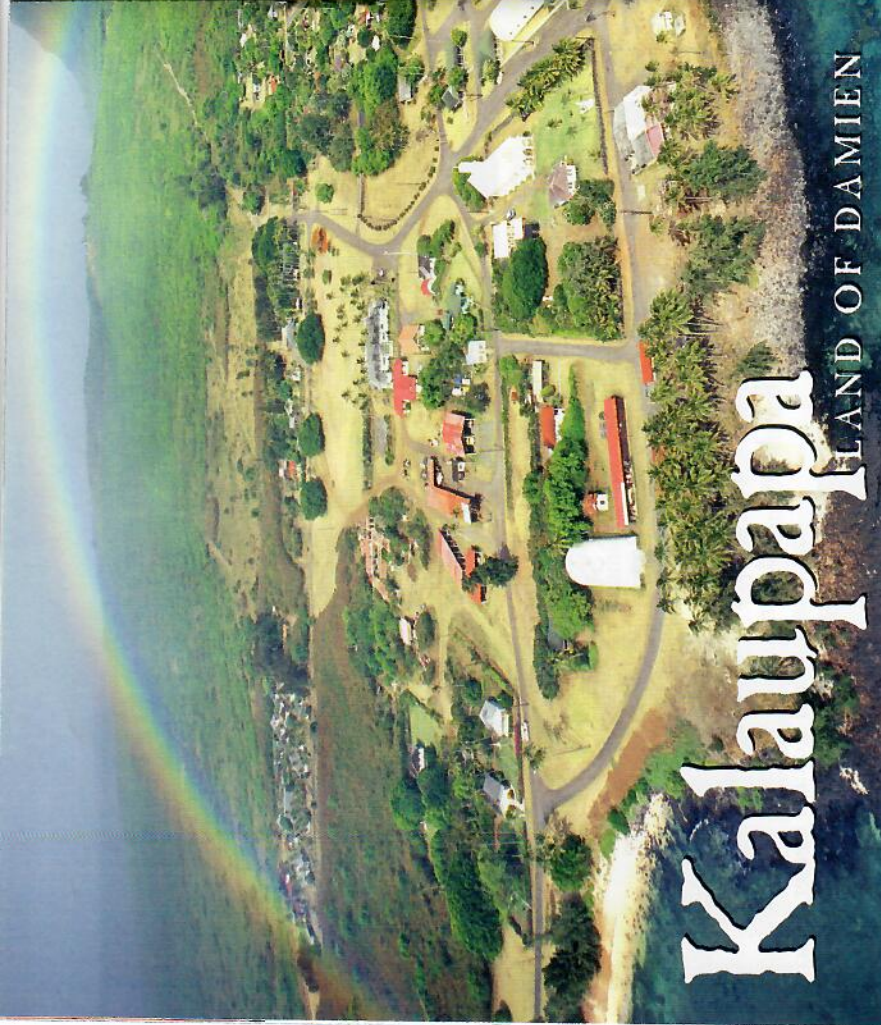
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least age 16 and have reservations with Damien Tours of Kalaupapa (contact Gloria Marks at 567-6171). For further information, visit the National Park Service at <http://www.nps.gov/kala/>, call Makani Kai Air Charters at 877-255-8532 to arrange a tour or contact Molokai Outdoor Activities (877-553-4477). The R.W. Meyer Sugar Mill's museum gallery has an ongoing exhibit with original photographs by Illinois photographer Robin Pendergrast. The 31 images of Kalaupapa depict the history of the settlement from pre-contact to the present day. Also on exhibit are original paintings of Saint Damien and the churches he built on Molokai, as well as copies of letters sent between Damien and R.W. Meyer, the first superintendent of Kalaupapa. Self-guided tours include an information sheet. The museum can also arrange tours of Kalaupapa.

God, hope and a measure of civility. He is now Saint Damien, following his canonization by Pope Benedict XVI on Oct. 11, 2009.

With the introduction of sulfone drugs, Hansen's disease was brought under control. Today, only a few patients remain on Molokai's world-famous peninsula, and they are free to travel as they please.

In 1980, Kalaupapa became a national park, dedicated to preserving the memories and lessons of the past. The trail from the top of the cliffs to the land below was once traversed by the famous mules of the Molokai Mule Rides, but is currently closed after flood waters damaged a crucial bridge leading to the area.

To visit the peninsula, visitors must be at



Courtesy of Makani Kai Air Charters

An isolated plain sitting below some of the world's highest sea cliffs, the Mokolai Peninsula is a place of astonishing beauty with a harsh history. Because of its isolation and the natural barriers of sea and cliffs, this land, better known as Kalaupapa, was chosen by the Kingdom of Hawaii, in early 1866, as the place leprosy victims would be shipped off to, spending the remainder of their days as prisoners of the land.

For seven years, before the arrival of Father Damien de Veuster, the outcasts lived in utter misery, out of sight and out of mind. Beginning in 1873, Damien ministered to the victims of what is now known as Hansen's disease, which ultimately claimed his own life. The "Martyr of Molokai" brought the people the word of

# Touring



Photos by Brett Uprichard

**R**aunakakai is the principal town, located a short distance from **Molokai Airport** along Highway 450, where you'll find most of the island's shops and services. This rustic little village is reminiscent of an Old West town, with stores and buildings along the main street, **Ala Malama**, that look like buildings straight out of an old John Wayne movie.

If you are planning extensive day trips, **Kaunakakai** is the place to stock up on sundries and picnic fixings, at the **Friendly Market Center**, **Molokai Pizza Café**, **Molokai Wines & Spirits**, **Molokai Drugs**, **Misaki's Groceries** and **Molokai Fish and Dive**. You'll find some small sundries stores in **Maunaloa**, **Kualapuu** and on the east end of the island, if you need to restock your cooler. (If you have time for a Neighbor Island trip, you can hop aboard the **Maui-Molokai Ferry** at **Kaunakakai Wharf** for a day trip to **Lahaina, Maui**.)

The ride to **Halawa Valley** on the island's eastern end is at least a half-day trip. Visitors who enjoy outdoor activities—such as kayaking, diving, snorkeling and hiking—can contact **Molokai Fish & Dive** (553-5926) for details on the variety of action offered all over the island. On the way to **Halawa** you'll pass several tranquil **fish ponds**. These amazingly well-pre-

served wonders were constructed in ancient times by the Hawaiians, who built up existing reefs to form enclosures used to raise and fatten saltwater fish. Several of the ponds have been restored in recent years by members of the Hawaiian community. **Molokai Outdoor Activities** is a great place to plan any tour of **Molokai**, helping visitors arrange daily itineraries, providing concierge service and car rentals. It also specializes in activity programs for children through **Youth in Motion** (553-4477).

Whether it's for breakfast, lunch, dinner or simply cocktails, the **Hula Shores Restaurant & Bar** at **Hotel Molokai** offers the perfect way to start and end your day, featuring oceanfront dining, a convivial bar and wonderful live Hawaiian entertainment.

You'll also pass **St. Joseph's Church**, about 11 miles from **Kaunakakai**, and the nearby **Our Lady of Sorrows Church**, both built by **Father Damien de Veuster** in the late 1800s. **Blessed Damien de Veuster** was canonized on Oct. 11, 2009, by **Pope Benedict XVI**, making him the first **Hawaiian** priest elevated to sainthood (visit [www.fatherdamien.com](http://www.fatherdamien.com)).

Highway 450 takes you all the way down to **Halawa Valley**, where the road ends. About halfway there, the road becomes quite narrow and winds along the rocky coastline. As the road climbs to a higher altitude, you'll see the tiny island of **Mokuhooniki**, a turtle-shaped

offshore rock that was used as a bombing target during **World War II**. It's a beautiful drive, with several spectacular views from the cliffs above the valley.

Retrace your drive back past **Kaunakakai** to **Highway 460** for the remainder of your drive to **Hoolehua**, **Kualapuu** and the **Kalau-papa Lookout**. In **Hoolehua**, be sure to visit **Purdy's Natural Macadamia Nut Farm**, which offers free admission and educational tours. **Kualapuu Cookhouse**, a favorite in rustic **Kualapuu**, serves breakfast, lunch and dinner (call 567-9655 for current hours). A new favorite in **Kualapuu Center**, at the intersection of **Highways 470 and 480**, is **Denise's Gift Shop**, noted for its tasteful island gifts, including **Hawaiian jewelry**. To reach the town, turn north on **Highway 470**. While in **Kualapuu**, be sure to stock up at **Kualapuu Market**, a historic plantation store that offers a bit of everything, from seasoned steaks to popular local foods, including fresh fish.

The road continues on to **Palau State Park**, which overlooks **Kalaupapa**. Crisp breezes stir towering pine trees, making this a refreshing spot for a picnic. A short walk through the forest brings you to **Kalaupapa Lookout**, where you'll find one of **Molokai's** finest panoramic views. A series of plaques tells the story of the old-time settlement, once the mandated home of **Hawaii's** victims of the disease commonly called

leprosy. Currently, the best way to visit this remote region is by flying there with **Makani Kai Air Charters** on a tour that includes a visit to **Saint Damien's** historic church, **St. Philomena Catholic Church** in **Kalawao**.

On your return trip from the lookout, be sure to stop at the **Meyer Sugar Mill**, an authentically restored mill originally built in 1878, which is now on the **National Register of Historic Places**. Also on site is the **Molokai Museum and Cultural Center**, staffed by local residents who are well versed in the history of **Molokai** and the sugar mill. Hours are 10 a.m. to 2 p.m. Monday through Saturday. For more information, call 567-6436.

From **Palauu**, drive back to **Highway 460** and turn right to see the western end of the island. At the fork, bear to the right on **Kalau-koi Road**. At the road's end, you'll find two lovely beaches—**Papohaku** and **Kepuhi**. These waters can be treacherous when the winter surf kicks up, so swimming is not recommended unless the waters are calm.

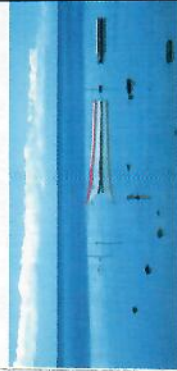
Return to the **Highway 460** intersection, turn right and make the scenic climb to **Maunaloa Village**, a former pineapple plantation town that was constructed in the early 1920s. The town is home to one of the island's beloved businesses, **Big Wind Kite Factory**, as well as an old plantation store where you can purchase snacks and drinks.

# Molokai

## Fast Facts, Scintillating Sites



**W**elcome to the 1950s. There are no traffic lights, elevators or megamalls on Molokai. And, with the support of the 8,000 or so Friendly Isle residents, Maui County (which has jurisdiction over Molokai and Lanai) plans to keep it that way for a long, long time ([molokaitimes.com](http://molokaitimes.com) and [themolokaidispatch.com](http://themolokaidispatch.com)).



Photos by Brett Uprichard



The world's tallest sea cliffs and the state's highest waterfall grace Molokai's north shore. This extreme geography made the adjoining Kalaupapa Peninsula the ideal place (though a rather inhumane concept) to establish a leper colony in 1866. In 1980, Kalaupapa National Historic Park was established to preserve the setting of this once tragic community. Today, there are fewer than 20 surviving Hansen's disease patients who make this pristine piece of Earth their home. The late Henry Nalaitelua's memoir, *No Footprints in the Sand*, co-authored with Sally-Jo Bowman, was recently published by Watermark Publishing ([bookshawaii.net](http://bookshawaii.net) and [molokaifishanddive.com/](http://molokaifishanddive.com/))



**2**

Hula was born on Molokai. In fact, it is the navel—*ka piko*—of this ancient dance, still celebrated today. The annual Ka Hula Piko Festival is held in May, with a *hoolaulea* (celebratory gathering) at Papohaku Beach Park, a popular spot at [kaluaikoi.com](http://kaluaikoi.com).

**3**

First time on the island? Here's what you missed: drinks at the Pau Hana Inn, feeding a giraffe by hand at Molokai Ranch Wildlife Park, fresh-sliced Dole pineapple and fried akule dinner at Mid-Nite Inn. Maybe you'll meet a local who will share a story or two with you ([visitmolokai.com](http://visitmolokai.com)).



**4**

Kapuaiawa Coconut Grove, which once contained perhaps 1,000 coconut trees, was created in the 1860s by King Kamehameha V, previously known as High Chief Kapuaiawa. He selected this site for the seven sacred ponds located nearby. According to tales of old, the tall, royal palms represented each warrior in his mighty army ([bigbamboostock.com](http://bigbamboostock.com)).

**5**



Molokai Plantation is situated on 600 acres of rich land, 800 feet above sea level, near the town of Kualapuu. Its 1.4-million-gallon Kualapuu Reservoir, also known as Molokai Reservoir, is the largest rubber-lined water reservoir in the world. Coffee plants were brought to the Islands in 1825 from Rio de Janeiro and have flourished here ever since. Hawaii is the only state where coffee is grown commercially ([coffeesofhawaii.com](http://coffeesofhawaii.com)).

**6**

Iliihopae Heiau, a school for sorcerers and a very powerful temple known for human sacrifice, is the second-largest and possibly the oldest religious site in Hawaii, with a stone platform measuring 320 by 120 feet. Unfortunately, the heiau is on private property so it is closed to visitors, but it's still fascinating to know it's there ([molokaifishanddive.com](http://molokaifishanddive.com)).

**7**

Still-existing Hawaiian fishponds, which dotted the shallow southern coast of Molokai as early as the 13th century, are a tribute to the sophisticated aquaculture of ancient Hawaiians ([hawaiiweb.com/molokai](http://hawaiiweb.com/molokai)).

**8**



Three-mile-long Papohaku Beach is the longest stretch of white sand in the entire chain of Hawaiian Islands ([gohawaii.com/molokai](http://gohawaii.com/molokai)).

**9**



R. W. Meyer Sugar Mill, listed on both the National Register of Historic Places and the Historic American Engineering Record, is now home to the Molokai Museum and Cultural Center and is the island's Exploritas campus. The mill was built in 1878 by Meyer, a German professor who was on his way to California for the 1849 Gold Rush, when he got his first glimpse of Hawaii—and his future wife, high chiefess Kalama ([honolulupublishing.com](http://honolulupublishing.com)).

# SAINT DAMIEN

## Hawaii's First Saint



Not until the 1940s was Hansen's disease brought under control by sulfone drugs. Today, fewer than 20 patients remain in Kalaupapa, and, unlike the patients of the 19th century, they are free to come and go as they please.

St. Philomena Church was the focal point of Saint Damien's activities. The church, located in Kalaupapa National Historical Park, was built in 1872, and in recent years it was in need of extensive repairs. A group of concerned citizens called The Friends of Father Damien launched a major effort in the 1980s to raise funds for the repair work, which cost about \$500,000. The refurbishment was completed in April 1989, the 100th anniversary of the saint's death.

During the latter part of the 19th century and the early part of the 20th, Molokai was infamous for what was then referred to as a leper colony. While it is not known when Hansen's disease first came to Hawaii, in 1866 the Hawaiian monarchy began transporting the afflicted to Molokai's isolated north coast peninsula, Mokolai ("The Given Grave").

The isolated settlement there, called Kalaula, was made internationally famous by Father Damien de Veuster, a Belgian priest who came to the settlement in 1873 to help those stricken by the disease. He ministered to these forgotten people until he, too, contracted the disease and died in 1889. Blessed Damien de Veuster's reputation as the "Martyr of Molokai" has made him one of Hawaii's most beloved heroes. He was canonized on Oct. 11, 2009, by Pope Benedict XVI, making him the first Hawaii priest elevated to sainthood (visit [www.fatherd Damien.com](http://www.fatherd Damien.com)).



Photos courtesy of Makani Kai Helicopters



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