

2011 Pono Fishing Calendar

Mo'omomi, Moloka'i

Kawa'aloa Beach

The Nature Conservancy of Hawai'i and Dr. George Balazs - monitoring sea turtle nesting at Kawa'aloa Beach.

Mo'omomi Bay

Hui Malama o Mo'omomi - principal monitor of Northwest Moloka'i marine activities, focusing on *ahupua'a* management.

Kalaupapa

Kalaupapa National Historical Park.

Moloka'i

Hui Malama o Mo'omomi



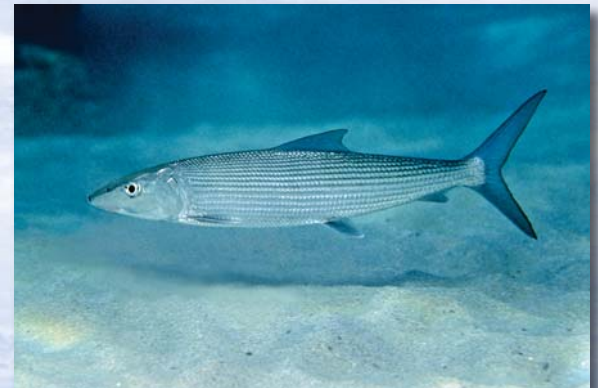
In January,

- 'Ama'ama peak spawning begins in December and ends in February. Harvesting is *kapu*.
- 'O'io peak spawning begins in December and lasts several months.
- Aholehole females have eggs.

Harvest other species with care.



'Ama'ama



'O'io



Aholehole

Why Pono Fishing?

So there are fish for future generations.































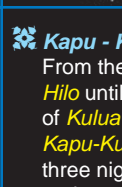
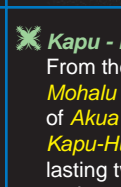
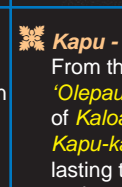
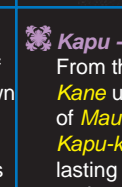


Know When
to Fish ... Know When
to Leave Fish Alone.



January 2011

Ianuali

Lāpule	Pō'akahi	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
						 1 Kane
 2 Lono	3 Muku	 4 Hilo	 5 Hoaka	 6 Kukahi	 7 Kulua	 8 Kukolu
 9 Kupau	 10 'Olekukahi	 11 'Olekulua	 12 'Olekukolu	 13 'Olepau	 14 Huna	 15 Mohalu
 16 Hua	 17 Akua	 18 Hoku	 19 Mahealani	 20 Kulu	 21 La'aukukahi	 22 La'aukulua
 23 La'aupau	 24 'Olekukahi	 25 'Olekulua	 26 'Olepau	 27 Kaloakukahi	 28 Kaloakulua	 29 Kaloapau
 30 Kane	 31 Lono	Limit inshore fishing and habitat disturbance during kapu periods.		 Kapu - Ku From the night of Hilo until dawn of Kulua is Kapu-Ku, lasting three nights and two days.	 Kapu - Hua From the night of Mohalu until dawn of Akua is Kapu-Hua, lasting two nights and one day.	 Kapu - Kaloa From the night of 'Olepau until dawn of Kaloakulua is Kapu-kaloa, lasting two nights and one day.
						 Kapu - Kane From the night of Kane until dawn of Maui is Kapu-kane, lasting two nights and one day.

Ho'olilo - Wet Season

In February,

- 'Ama'ama peak spawning begins in December and ends in February. Harvesting is *kapu*.
- Aholehole males mature. Peak spawning begins in February and lasts several months.
- Kumu peak spawning begins in February and lasts several months.

Harvest other species with care.



'Ama'ama



Aholehole



Kumu

Pono Practices:

Learn how to recognize fish spawning. Spawning occurs when both females and males are ready. Females have ripe eggs, and males are milting.

Learn how to distinguish male and female fish by variations in body size, color, and habits.

Examine sex organs (gonads) at different reproductive stages and determine peak spawning times.




























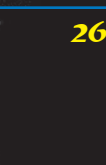






Observe *kapu* periods. These times are important for many species to reproduce. Take care not to disrupt these cycles.

Be Pono!
Let Fish Hanau.



February 2011

Pepeluāli

Lāpule	Pō'akahi	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
		1  Mauli	2  Muku	3  Hilo	4  Hoaka	5  Kukahi
6  Kulua	7  Kukolu	8  Kupau	9  'Olekukahi	10  'Olekulua	11  'Olekukolu	12  'Olepau
13  Huna	14  Mohalu	15  Hua	16  Akua	17  Hoku	18  Mahealani	19  Kulu
20  La'aukukahi	21  La'aukulua	22  La'aupau	23  'Olekukahi	24  'Olekulua	25  'Olepau	26  Kaloakukahi
27  Kaloakulua	28  Kaloapau					
		Limit inshore fishing and habitat disturbance during <i>kapu</i> periods.	 Kapu - Ku From the night of <i>Hilo</i> until dawn of <i>Kulua</i> is <i>Kapu-Ku</i> , lasting three nights and two days.	 Kapu - Hua From the night of <i>Mohalu</i> until dawn of <i>Akua</i> is <i>Kapu-Hua</i> , lasting two nights and one day.	 Kapu - Kaloa From the night of <i>'Olepau</i> until dawn of <i>Kaloakulua</i> is <i>Kapu-kaloa</i> , lasting two nights and one day.	 Kapu - Kane From the night of <i>Kane</i> until dawn of <i>Mauli</i> is <i>Kapu-kane</i> , lasting two nights and one day.

Ho'olilo - Wet Season

In March,

- *Aholehole* peak spawning begins in February and lasts several months.
- *Kumu* peak spawning begins in February and lasts several months.
- *Kole* can spawn in any month, but March is often a peak spawning time. A *kapu* may be needed so that local *kole* can recover from heavy fishing.

Harvest other species with care.



Aholehole



Kumu



Kole

Pono Practices:

Be Pono. Ask permission before fishing in someone else's *ahupua'a*.






































Be Pono!

Follow the Local
Code of Conduct!



March 2011

Malaki

Lāpule	Pō'akahi	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
		 1 Kane	 2 Lono	 3 Mauli	 4 Muku	 5 Hilo
 6 Hoaka	 7 Kukahi	 8 Kulua	 9 Kukolu	 10 Kupau	 11 'Olekukahi	 12 'Olekulua
 13 'Olekukolu	 14 'Olepau	 15 Huna	 16 Mohalu	 17 Hua	 18 Akua	 19 Hoku
 20 Mahealani	 21 Kulu	 22 La'aukukahi	 23 La'aukulua	 24 La'aupau	 25 'Olekukahi	 26 'Olekulua
 27 'Olepau	 28 Kaloakukahi	 29 Kaloakulua	 30 Kaloapau	 31 Kane		
		Limit inshore fishing and habitat disturbance during kapu periods.	 Kapu - Ku From the night of Hilo until dawn of Kulua is Kapu-Ku, lasting three nights and two days.	 Kapu - Hua From the night of Mohalu until dawn of Akua is Kapu-Hua, lasting two nights and one day.	 Kapu - Kaloa From the night of 'Olepau until dawn of Kaloakulua is Kapu-kalao, lasting two nights and one day.	 Kapu - Kane From the night of Kane until dawn of Maui is Kapu-kane, lasting two nights and one day.

Ho'olilo - Wet Season

In April,

- *Aholehole* peak spawning begins in February and lasts several months.
- *Kole* can spawn in any month. A *kapu* may be needed so that local *kole* can recover from heavy fishing.

Harvest other species with care.



Aholehole



Kole

Pono Practices:

Eat *Pono*. Try a variety of fish species, not just your favorite. This will help relieve pressure on prized species.




















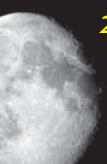
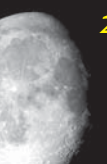
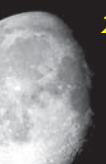



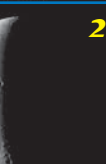









Eat *Pono*!
Try a Variety
of Fishes!



April 2011

'Apelila

Lāpule	Pō'akahī	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
					 1 Lono	 2 Mauli
3 Muku	4  Hilo	5  Hoaka	6  Kukahi	7  Kulua	8  Kukolu	9  Kupau
10  'Olekukahi	11  'Olekulua	12  'Olekukolu	13  'Olepau	14  Huna	15  Mohalu	16  Hua
17  Akua	18  Hoku	19  Mahealani	20  Kulu	21  La'aukukahi	22  La'aukulua	23  La'aupau
24  'Olekukahi	25  'Olekulua	26  'Olepau	27  Kaloakukahi	28  Kaloakulua	29  Kaloapau	30  Kane
		Limit inshore fishing and habitat disturbance during kapu periods.	 Kapu - Ku From the night of Hilo until dawn of Kulua is Kapu-Ku, lasting three nights and two days.	 Kapu - Hua From the night of Mohalu until dawn of Akua is Kapu-Hua, lasting two nights and one day.	 Kapu - Kaloa From the night of 'Olepau until dawn of Kaloakulua is Kapu-kaloa, lasting two nights and one day.	 Kapu - Kane From the night of Kane until dawn of Maui is Kapu-kane, lasting two nights and one day.

Ho'olilo - Wet Season

Honu (May)

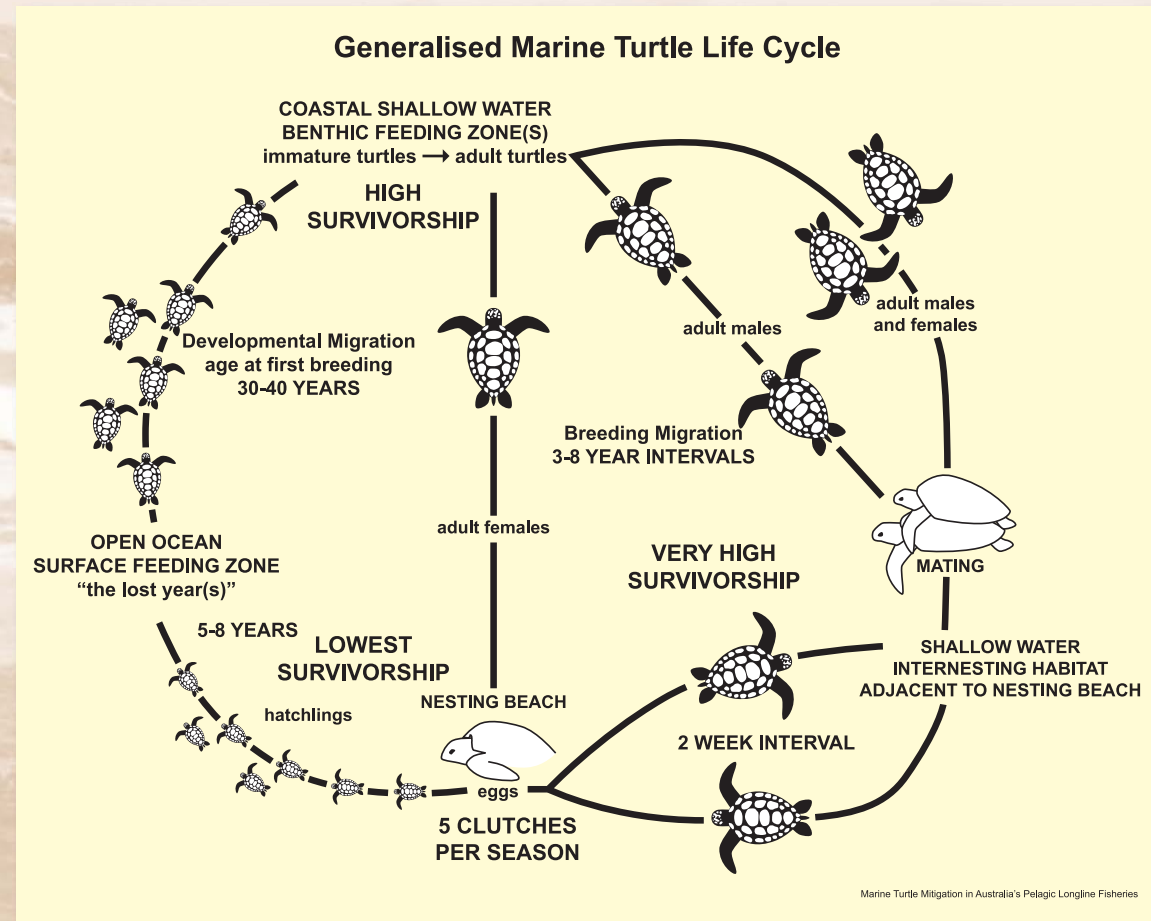
Honu nesting takes place primarily from May through August. Each nesting female comes ashore to lay eggs as many as 7 times, at 11- to 18-day intervals. Females deposit a clutch of 100-120 leathery eggs. The eggs will hatch about 60 days later. It takes 25 to 40 years for Hawaii's *honu* to reach sexual maturity in the wild.

Molokai *honu* nesting population seems isolated from other nesters. These nesters are closely related. Theory is that the Kawa'aloa *honu* population was founded by a pioneer

(likely from French Frigate Shoals in the Northwestern Hawaiian Islands) and the hatchlings produced have returned as adult nesters that make up the current

population.

At least 7 different turtle nestings were found at Kawa'aloa between 2004 and 2009.



Pono Practices:

Limu provides food and habitat for marine life. Young shoots are the most nutritious for *limu*-eating fish. Larger growths shelter small animals that are eaten by carnivorous fish.



Protect native *limu* habitat from being damaged by storm water and sediment runoff or by invasive alien seaweeds.




































During the *huli* (change) from *ho'oilu* (wet season) to *ka'u* (dry season), *limu kohu* on the *papa* (inter-tidal bench) die back from sun exposure. Take what you need.

Be Pono. Take
Only What You
Need.



May 2011

Mei

Lāpule	Pō'akahī	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
 1 Lono	 2 Muku	 3 Hilo	 4 Hoaka	 5 Kukahī	 6 Kulua	 7 Kukolu
 8 Kupau	 9 'Olekukahī	 10 'Olekulua	 11 'Olekukolu	 12 'Olepau	 13 Huna	 14 Mohalu
 15 Hua	 16 Akua	 17 Hoku	 18 Mahealani	 19 Kulu	 20 La'aukukahī	 21 La'aukulua
 22 La'aupau	 23 'Olekukahī	 24 'Olekulua	 25 'Olepau	 26 Kaloakukahī	 27 Kaloakulua	 28 Kaloapau
 29 Kane	 30 Lono	 31 Mauli				
		Limit inshore fishing and habitat disturbance during kapu periods.	 Kapu - Ku From the night of Hilo until dawn of Kulua is Kapu-Ku, lasting three nights and two days.	 Kapu - Hua From the night of Mohalu until dawn of Akua is Kapu-Hua, lasting two nights and one day.	 Kapu - Kaloa From the night of 'Olepau until dawn of Kaloakulua is Kapu-kaloa, lasting two nights and one day.	 Kapu - Kane From the night of Kane until dawn of Maui is Kapu-kane, lasting two nights and one day.

Ka'u - Dry Season

In June,

- *Moi* peak spawning begins in June and ends usually in August or September. Harvesting is *kapu*.
- *Uhu* peak spawning begins in June and lasts several months. A *kapu* may be needed so that the local *uhu* population can recover.
- *Ula* peak spawning begins in May and ends in August. Harvesting is *kapu*.

Harvest other species with care.



Moi



Uhu



Ula

Pono Practices: Fishing Moi



Do not disrupt spawning schools or habitat during peak spawning season.

In some years, spawning season may end as early as August, but in other years, it may continue into September.

During turtle spawning season (May through August), the following are prohibited near Kawa`aloa Bay:

- No camping.
- No night fishing.
- No netting.
- No vehicle driving close to the bay.



June 2011

June

Lāpule	Pō`akahī	Pō`alua	Pō`akolu	Pō`ahā	Pō`alima	Pō`aono
			1 Muku	2 Hilo	3 Hoaka	4 Kukahi
5 Kulua	6 Kukolu	7 Kupau	8 'Olekukahī	9 'Olekulua	10 'Olekukolu	11 'Olepau
12 Huna	13 Mohalu	14 Hua	15 Akua	16 Hoku	17 Mahealani	18 Kulu
19 La'aukukahī	20 La'aukulua	21 La'aupau	22 'Olekukahī	23 'Olekulua	24 'Olepau	25 Kaloakukahī
26 Kaloakulua	27 Kaloapau	28 Kane	29 Lono	30 Muku		
		Limit inshore fishing and habitat disturbance during kapu periods.	<p>✿ Kapu - Ku</p> <p>From the night of Hilo until dawn of Kulua is Kapu-Ku, lasting three nights and two days.</p>	<p>✿ Kapu - Hua</p> <p>From the night of Mohalu until dawn of Akua is Kapu-Hua, lasting two nights and one day.</p>	<p>✿ Kapu - Kaloa</p> <p>From the night of 'Olepau until dawn of Kaloakulua is Kapu-kalao, lasting two nights and one day.</p>	<p>✿ Kapu - Kane</p> <p>From the night of Kane until dawn of Maui is Kapu-kane, lasting two nights and one day.</p>

Ka'u - Dry Season

In July and August,

- Peak spawning of *moi*, *uhu* and *ula* continues. Harvesting of *moi* and *ula* is *kapu*. A *kapu* may be needed so that the local *uhu* population can recover.
- *U'u* peak spawning begins in July and lasts several months.

Harvest other species with care.



Moi



Ula



U'u



Uhu

Pono Practices: Fishing Uhu

During spawning season, *uhu* form harems of one male (blue-green) with several females (red).



Female *uhu* 'ahu'ula



Male *uhu* uliuli
































Removing the only male disrupts the harem so there is no reproduction for a year.

Heavy fishing by divers and dive charters is depleting *uhu* uliuli (male) and *uhu* 'ahu'ula (female) off the Mo'omomi coast.

A *kapu* may be needed so the local *uhu* population can recover.

July 2011

Iulai

Lāpule	Pō'akahī	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
					 1 Hilo ❄️	 2 Hoaka ❄️
 3 ❄️ Kukahi ❄️	 4 ❄️ Kulua ❄️	 5 Kukolu	 6 Kupau	 7 'Olekukahī	 8 'Olekulua	 9 'Olekukolu
 10 'Olepau	 11 Huna	 12 Mohalu ✖️ ✖️	 13 Hua ✖️ ✖️	 14 Akua	 15 Hoku	 16 Mahealani
 17 Kulu	 18 La'aukukahī	 19 La'aukulua	 20 La'aupau	 21 'Olekukahī	 22 'Olekulua	 23 'Olepau ❄️
 24 ❄️ Kaloakukahī ❄️	 25 ❄️ Kaloakulua ❄️	 26 Kaloapau	 27 Kane ❄️ ❄️	 28 ❄️ Lono ❄️ ❄️	 29 ❄️ Maui ❄️ ❄️	 30 Muku
 31 Hilo ❄️		Limit inshore fishing and habitat disturbance during kapu periods.	❄️ Kapu - Ku From the night of Hilo until dawn of Kulua is Kapu-Ku, lasting three nights and two days.	❄️ Kapu - Hua From the night of Mohalu until dawn of Akua is Kapu-Hua, lasting two nights and one day.	❄️ Kapu - Kaloa From the night of 'Olepau until dawn of Kaloakulua is Kapu-kalao, lasting two nights and one day.	❄️ Kapu - Kane From the night of Kane until dawn of Maui is Kapu-kane, lasting two nights and one day.

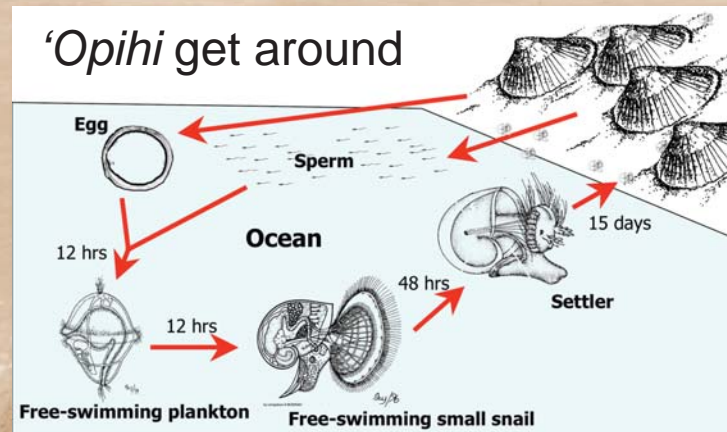
Ka'u - Dry Season

'Opihi (August)

- Black-foot `opihi spawn across the State but yellow-foot `opihi and *ko`ele* spawning may be more localized.
- Spawning occurs shortly after the new moon (*Muku* to *Kukolu*).
- Black-foot and yellow-foot `opihi are sexually mature at 3/4 inch long.
- *Ko`ele* is legal minimum size at 1.25 inches long.
- Sexes are naturally separated.
Testes: yellow/orange/white. Ovaries: green/brown.

For conservation of `opihi

- Rotate areas when collecting `opihi. Don't "pound" one place. Never harvest the deeper-dwelling *ko`ele*. Don't sell `opihi off island.





Kamali'i 'Ike 'Ole

Kamali'i 'Ike 'ole i ka helu po
Muku Nei, Muku ka malama
Hilo nei, kau ka Hoaka
'Eha Ku, 'Eha 'Ole;
Huna, Mohalu, Hua, Akua,
Hoku, Mahealani, Kulu;
'Eko Lu'au, 'Eko Lu 'Ole,
'Eko Lu Kaloa;
Kane, Lono, Maui, Muku.

Children who do not know the
moon phases;
Muku is here, Muku the moon;
Hilo is next, then Hoaka
Then the four nights of Ku;
Followed by
the four nights of 'Ole;
Huna, Mohalu, Hua, and Akua,
Hoku, Mahealani, Kulu;
Then the three nights of La'au;
Three nights of 'Ole;
And the three nights of Kaloa;
Kane, Lono, Maui, Muku
































A traditional chant for
children to learn the names
of the moon phases.

**Pono Fishing
is About Proper
Timing.**



August 2011

'Aukake

Lāpule	Pō'akahī	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
	 1 ❄ Hoaka ❄	 2 ❄ Kukahi ❄	 3 ❄ Kulua ❄	 4 Kukolu	 5 Kupau	 6 'Olekukahi
 7 'Olekulua	 8 'Olekukolu	 9 'Olepau	 10 Huna	 11 Mohalu ❄ ❄	 12 Hua ❄ ❄	 13 Akua ❄ ❄
 14 Hoku	 15 Mahealani	 16 Kulu	 17 La'aukukahi	 18 La'aukulua	 19 La'aukau	 20 'Olekukahi
 21 'Olekulua	 22 'Olepau ❄ ❄	 23 Kaloakukahi ❄ ❄	 24 Kaloakulua ❄ ❄	 25 Kaloapau	 26 Kane ❄ ❄	 27 Lono ❄ ❄
 28 Muku	 29 Hilo ❄	 30 Hoaka ❄	 31 Kukahi ❄			
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Ka'u - Dry Season

In September,

- *Enenue* older females have eggs.
- *Moi* is open for harvest. *Moi li'i* born a year ago are on the sand inshore.
- *Ula* is open for harvest.

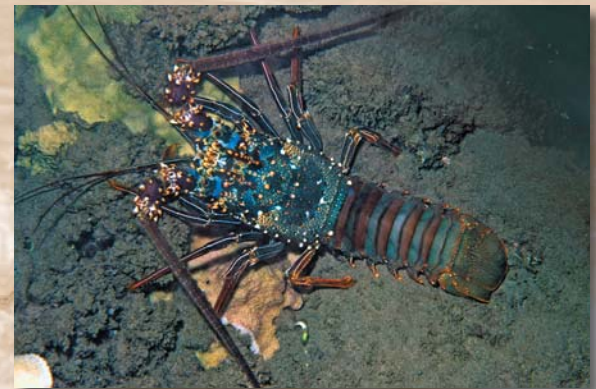
Harvest other species with care.



Enenue



Moi



Ula

Pono Practices: Harvesting *Ula*

(Hawaiian Spiny Lobster,
Panulirus penicillatus)



End of 5th pair of walking
legs are claw shaped
(pincher like) on females.
This is used to transfer
sperm to fertilize eggs.

No more than 6 sections
of lay net per fishing
group (Moloka'i special
gill net rules).

No harvesting during
peak summer spawning
season.































The State requires
release of all female
lobsters.

Release lobsters
smaller than 1 pound
and larger than
4 pounds.

Harvest other species
with care.

September 2011

Kepakemapa

Lāpule	Pō'akahī	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
				 1 Kulua	 2 Kukolu	 3 Kupau
 4 'Olekukahi	 5 'Olekulua	 6 'Olekukolu	 7 'Olepau	 8 Huna	 9 Mohalu ✕ ✕	 10 Hua ✕
 11 Akua ✕	 12 Hoku	 13 Mahealani	 14 Kulu	 15 La'aukukahi	 16 La'aukulua	 17 La'aupau
 18 'Olekukahi	 19 'Olekulua	 20 'Olepau ✕ ✕	 21 Kaloakukahi ✕ ✕	 22 Kaloakulua ✕ ✕	 23 Kaloapau	 24 Kane ✕ ✕
 25 Lono ✕ ✕	 26 Maui ✕ ✕	 27 Muku	 28 Hilo ✕ ✕	 29 Hoaka ✕ ✕	 30 Kukahi ✕ ✕	
		Limit inshore fishing and habitat disturbance during kapu periods.	✕ Kapu - Ku From the night of Hilo until dawn of Kulua is Kapu-Ku, lasting three nights and two days.	✕ Kapu - Hua From the night of Mohalu until dawn of Akua is Kapu-Hua, lasting two nights and one day.	✕ Kapu - Kaloa From the night of 'Olepau until dawn of Kaloakulua is Kapu-kalao, lasting two nights and one day.	✕ Kapu - Kane From the night of Kane until dawn of Maui is Kapu-kane, lasting two nights and one day.

Ka'u - Dry Season

In October,

- *Enenue* peak spawning begins in October and lasts several months.

Harvest other species with care.



Enenue

Moloka'i Residents are Connoisseurs of *Enenue*

- When sand moves off the *papa*, tender young shoots of *limu* grow and entice *enenue* inshore to feed.
- Local consumers can detect the area where a particular *enenue* was caught based on its taste.
- *Enenue* tirelessly clean the ocean floor, keeping a balance of various *limu*.
- Prevent damage to *enenue* habitat from soil erosion and runoff due to overgrazing and land development on adjacent hillsides.



Large-Scale Sand Movements Affect Fish Behavior



Large-scale sand movements cause seasonal ecosystem shifts along the Mo'omomi coast.



Marine species shift locations as their habitats fill with sand.

































Change in habitat may trigger fish spawning activity.

Sand may bury or expose fish nursery habitat.

October 2011

'Okakopa

Lāpule	Pō'akahī	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
						 Kulua
 Kukolu	 Kupau	 'Olekukahī	 'Olekulua	 'Olekukolu	 'Olepau	 Huna
 Mohalu	 Hua	 Akua	 Hoku	 Mahealani	 Kulu	 La'aukukahī
 La'aukulua	 La'aupau	 'Olekukahī	 'Olekulua	 'Olepau	 Kaloakukahī	 Kaloakulua
 Kaloapau	 Kane	 Lono	 Muku	 Hilo	 Hoaka	 Kukahī
 Kulua	 Kukolu	Limit inshore fishing and habitat disturbance during kapu periods.		 Kapu - Ku From the night of Hilo until dawn of Kulua is Kapu-Ku, lasting three nights and two days.	 Kapu - Hua From the night of Mohalu until dawn of Akua is Kapu-Hua, lasting two nights and one day.	 Kapu - Kaloa From the night of 'Olepau until dawn of Kaloakulua is Kapu-kaloa, lasting two nights and one day.
					 Kapu - Kane From the night of Kane until dawn of Maui is Kapu-kane, lasting two nights and one day.	

Ka'u - Dry Season

In November,

- *Enenue* peak spawning begins in October and lasts several months.
- 'O'io peak spawning begins in November and lasts several months.

Harvest other species with care.



Enenue



'O'io

Pono Practices:

Hui Malama o Mo'omomi manages from the mountain into the sea. Bare land in the *ahupua'a* is the source of soil erosion that can damage fish habitat when it reaches the ocean.



To reduce runoff and its damaging effects on fish habitat, the Hui has closed and re-vegetated many dirt roads with native plants, built berms and stabilized gullies.



Fencing along the Mo'omomi coast discourages all-terrain vehicle operation and directs other vehicles onto a single improved road.

November 2011

Nowemapa

Lāpule	Pō'akahi	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
		1 Kupau	2 'Olekukahi	3 'Olekulua	4 'Olekukolu	5 'Olepau
6 Huna	7 Mohalu ✕ ✕	8 Hua ✕ ✕	9 Akua	10 Hoku	11 Mahealani	12 Kulu
13 La'aukukahi	14 La'aukulua	15 La'aupau	16 'Olekukahi	17 'Olekulua	18 'Olepau ✨ ✨	19 Kaloakukahi ✨ ✨
20 Kaloakulua ✨ ✨	21 Kaloapau	22 Kane ✨ ✨	23 Lono ✨ ✨	24 Muku ✨ ✨	25 Hilo ✨ ✨	26 Hoaka ✨ ✨
27 Kukahi ✨ ✨	28 Kulua ✨ ✨	29 Kukolu	30 Kupau			
		Limit inshore fishing and habitat disturbance during kapu periods.	✨ Kapu - Ku From the night of Hilo until dawn of Akua is Kapu-Ku, lasting three nights and two days.	✨ Kapu - Hua From the night of Mohalu until dawn of Akua is Kapu-Hua, lasting two nights and one day.	✨ Kapu - Kaloa From the night of 'Olepau until dawn of Kaloakulua is Kapu-kalao, lasting two nights and one day.	✨ Kapu - Kane From the night of Kane until dawn of Maui is Kapu-kane, lasting two nights and one day.

Ho'olilo - Wet Season

In December,

- 'Ama'ama spawning begins in December and ends in February. Harvesting is *kapu*.
- 'O'io peak spawning begins in November and lasts several months.

Harvest other species with care.



'Ama'ama



'O'io



Limu Kohu

Reproductive spores are trapped in the root mass of *limu kohu*, so leave this part of the plant intact while gathering so the local *limu* population can replenish.

Ho'opomaika
(Blessings) to the
Keiki of Mo'omomi
and Moloka'i.

Leave Mo'omomi Bay for
keiki who are learning to
swim and dive and for
kupuna who have trouble
getting around.
































If you are able-bodied,
holoholo to other fishing
grounds.



Be **PONO** for them.

December 2011

Kēkēmapa

Lāpule	Pō'akahī	Pō'alua	Pō'akolu	Pō'ahā	Pō'alima	Pō'aono
				 1 'Olekukahī	 2 'Olekulua	 3 'Olekukolu
 4 'Olepau	 5 Huna	 6 Mohalu ✕ ✕	 7 Hua ✕ ✕	 8 Akua	 9 Hoku	 10 Mahealani
 11 Kulu	 12 La'aukukahī	 13 La'aukulua	 14 La'aupau	 15 'Olekukahī	 16 'Olekulua	 17 'Olepau ✨
 18 ✨ Kaloakukahī ✨	 19 ✨ Kaloakulua ✨	 20 Kaloapau	 21 Kane ✨ ✨	 22 Lono ✨ ✨	 23 Mauli ✨ ✨	 24 Muku
 25 Hilo ✨ ✨	 26 Hoaka ✨ ✨	 27 Kukahī ✨ ✨	 28 Kulua ✨ ✨	 29 Kukolu	 30 Kupau	 31 'Olekukahī
		Limit inshore fishing and habitat disturbance during <i>kapu</i> periods.	✨ <i>Kapu - Ku</i> From the night of <i>Hilo</i> until dawn of <i>Kulua</i> is <i>Kapu-Ku</i> , lasting three nights and two days.	✨ <i>Kapu - Hua</i> From the night of <i>Mohalu</i> until dawn of <i>Akua</i> is <i>Kapu-Hua</i> , lasting two nights and one day.	✨ <i>Kapu - Kaloa</i> From the night of ' <i>Olepau</i> until dawn of <i>Kaloakulua</i> is <i>Kapu-kaloa</i> , lasting two nights and one day.	✨ <i>Kapu - Kane</i> From the night of <i>Kane</i> until dawn of <i>Mauli</i> is <i>Kapu-kane</i> , lasting two nights and one day.

Ho'olilo - Wet Season



***Mahina* – the Moon**

The moon was very important to the survival of Hawaiians. To the Hawaiian people, the moon was not an astral object that was projected into the sky millions of years ago as a result of a catastrophic event. The moon, *Mahina*, was family. Personified, she was the goddess *Hina*. She gave us the cycle of birth, life, death and rebirth each month—without fail. By her very nature of predictability, she was a reliable source of information that insured survival for generations upon generations. Just as lunar patterns and cycles were distinguished by nightly observations, so were correlating patterns and cycles noted in the sky, land and among living things on earth.

Planting and fishing patterns were developed in alignment with lunar patterns that gave optimum yields. The times for resting fishing grounds or gardens were just as important and also widely known, because of the moon. Hawaiian knowledge of the moon names, functions and rhythms was a common knowledge, shared with all, because the moon was a benevolent provider of time proven, life giving resources and knowledge. As such, great reverence was given to the moon and chants offered in her honor.

From Kamalu Poepoe. *Ka Mahina Ke Kai a me Na Kau*, the moon, the tides and the seasons, Moloka`i, Hawai`i.

Hawaiian Names for Nights of the Rising (*ho'onui*), Full (*poepoe*), and Falling (*emi*) Moon Phases and *Kapu* Periods

Kapu - Ku

❖ Kapu - Ku

From the night of *Hilo* until dawn of *Kulua* is *Kapu-Ku*, lasting three nights and two days.

❖ Kapu - Hua

From the night of *Mohalu* until dawn of *Akua* is *Kapu-Hua*, lasting two nights and one day.

❖ Kapu - Kaloa

From the night of *'Olepau* until dawn of *Kaloakulua* is *Kapu-kaloa*, lasting two nights and one day.

❖ Kapu - Kane

From the night of *Kane* until dawn of *Mauli* is *Kapu-kane*, lasting two nights and one day. In months without *Mauli*, this *kapu* ends on the dawn of *Muku*.



rising (*Ho'onui*)

Kapu - Hua



rising (*Ho'onui*)

full (*Poepoe*)



full (*Poepoe*)

Kapu - Kaloa

Kapu - Kane



falling (*Emi*)

falling (*Emi*)



new (*Muku*)

Limit inshore fishing and habitat disturbance during *kapu* periods.



Credits

Monitoring and Research

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Keiki Advice

Kealohanui Helm, Kekumuikawaiokeola Helm, Iokepa Albino, Keaoalono Ross

Honu

Dr. George Balazs
Pacific Whale Foundation. 2006. Sea turtles, a Hawai'i wildlife guide.

`Opihi

S. Kehau Tom, Effects of harvesting pressure on *'opihi* populations at Kalaupapa National Historic Park
Dr. Christopher E. Bird

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Further Reference

'Aha Moku



To download a copy of this calendar, go to www.ahamoku.org