

WEST HAWAI'I FISHERY COUNCIL
<http://westhawaiiifisherycouncil.org>

**MISSION STATEMENT OF THE COUNCIL WEST HAWAI'I
FISHERY COUNCIL**

"To provide for substantive involvement of the community in resource management decisions; encourage scientific research and monitoring of the nearshore resources and environment from Upolu Point to Ka Lae; to work toward and advise about the resolution of conflicts of use and the enhancement of nearshore resources; and to assist in the development and implementation of management plans for minimizing resource depletion; per legislative mandate to the Department of Land and Natural Resource."

Draft Minutes for Thursday, November 15, 2018
West Hawai'i Civic Center – Liquor Control Room
Kealakehe, Kona
5:30pm - 7:30pm
Presiding Chair: Dale Sarver

Call to Order: 5:30pm

Attendees: Donna Goodale, Charlie Young, Dale Sarver, Lisa Vollbrecht, Chuck Leslie, Malia Kipapa

Visitors: Krista Johnson, Keelee Martin, Deniz Akin, Jojo Tanimoto

- Reading and Interpretation of WHFC Mission Statement
 - o Dale Sarver (read mission statement)
- Reiteration by the Chair of the meeting protocols from WHFC Policies and Operational Guidelines
 - o All questions from Council members must be recognized by the Chair
 - o All questions/statements will be limited to topic-oriented statements
 - o Note that a short time has been added after each agenda item to discuss each item.
 - o Proxies: Each person asking someone to represent them by proxy will have to notify the administrator before the meeting as to who is going to represent them. There will be no call for proxies from the floor at the meeting.
- Approval of October 18, 2018 Meeting Minutes
 - o Charlie – Correct Shay Kamaka'ala's name to Shae
 - o Charlie made a motion to accept minutes and Donna 2nd – approved
- Approval of WHFC Meeting Agenda
 - o Krista – Dec 10th is the due date for comment about a Military Ops being planned for North Kohala can we add to the agenda

Business

- Funding for WHFC
 - Charlie – not update from the funders (Pew)

- Dale – if you folks know any other funds available
- Charlie – would it be appropriate to ask DLNR for funding since we’ve been volunteering for so many years
 - o Donna – I think we should
 - o Charlie – I’ll write the letter to DLNR – for operating cost \$10,000; I think we have young proactive political leaders that would support it.
 - o Krista – like Charlie said this is the only fishery council in the state

Discussion:

- December Meeting – Year goals and objectives for WHFC
 - Dale – Goals that we want for next year, more community based meetings?
 - Lisa – I think we should make sure we let all the council members to be here for the meeting since we will discuss goals for the year
 - Donna – unless we bump this planning meeting to January because it’s hard to get everyone together in December.
 - Charlie – maybe reflect in this meeting minutes some goals that we have just to start the list of tentative goals for next year.
 - Tentative Goals:
 - o Charlie – close the loop on the moorings (Jeff Millesen)
 - o Dale – recreational fishing license
 - o Charlie – outstation meetings one every quarter or one every 3 months. I can try and set a meeting in Ho’okena in February; April; June/July; Oct/Nov (tentative outstation months)
 - o Lisa – Set up a meeting to address shark issue, plan and hold a meeting at Honokohau with user groups (Chris suggested)
 - o Charlie – how do we get someone from DOBAR and DOCARE to attend the meetings regularly? Maybe we can make this suggestion in the letter to DLNR.
 - o Lisa – would be good to hear from Kaupulehu on their fish populations
 - Krista – my friend from Kauai shared how their fish populations have grown since the April flood and road closures for limited access by visitors.
 - o Dale – follow up with public hearing process for Mo’omomi CBSFA
 - Lisa – helping and following Miloli’i and supporting their efforts for a potential CBSFA establishment for their community.

Presentation by Lisa Vollbrecht on cultivation of various local seaweed and associated work with vegetarian fish (Kampachi Farms)

Goal: Grow native limu in offshore tropical waters with no external energy

Why Limu?

- Requires no land or freshwater to grow; carbon negative; ocean acidification reduced by carbon uptake; applications in food, feed, and fuels

Why offshore?

- Kampachi farms is dedicated to expanding the responsible culture of seafood
- Minimal impacts in deep water further offshore
- Access to deeper water for nutrients
- More sources of sustainable and renewable sources

Demonstration Project Concept

- Tropical offshore macroalgae culture; mooring – efficiencies – nutrients, harvest; passive – nutrient enrichment; USV harvester – for zero-C operations
- Tripod deep water mooring – reduces number of anchors, and allows access to sites further offshore; wind and current powered drone – harvest and transport; wave-powered nutrient mixing – renewable-energy-driven nutrient supply to oligotrophic environments

Timeline is short term 3 years – 3 sites – one in Keahole, Kailua and Kawaihae

Location surveys ~200 m deep readily accessible from harbors

Which limu to grow?

- Native species only
- Land-based trials at Kona site with native species
- Testing optimal depth and nutrient levels

Limu species: 'aki'aki, Kohu or Lipehe, Kala, Manaua or ogo, Pālahalaha; we would like to sporulate the adult plants in nursery tanks, when hardier enough to go offshore

Why?

- Food
- Feed – limu fish feed Nenu (herbivorous reef fish) algae fed directly to

the fish high protein and oils

- Fuels

Lisa Vollbrecht – Research Manager lisa@kampachifarm.com 808 331-1188

Questions:

- Jojo Tanimoto - Kawaihae – are you doing a EIS
 - o Lisa – we will be conducting a EA
 - o Jojo – there is a fish Ko’a about a half mile out in Kawaihae; and it would be interested to see the EA for Honokohau as well.
 - o Lisa – we would like to know where Ko’a are so we don’t affect those sites by these demonstrations
 - o Chuckie – we use landmarks to remember where the ko’a are the old timers that fish on those grounds can provide better information.
 - o Lisa – can you put us in touch with the fisherman of the area?
 - o Jojo – how much you going to pay? It’s expensive; and there are drones.
 - o Lisa – we don’t use drones.
 - o Jojo – there are canoes, Makali’i, Hawaiian Homes is right there we have some concerns.
 - o Malia – how far down is the algae demonstrations?
 - Lisa - a couple hundred feet deep far from coral and near shore activities.
 - o Charlie – limu eating communities would be advocates for project for the limu propagation; I would like to understand the economics – input and output cost.
 - Lisa – demonstrations will allow us to see that
 - Charlie – these kinds of fads will affect traditional fishing practices, maybe way out but migrations of larger fish may be affected.
 - Chucky – after fads came in (3 miles in) pelagic fish no come in anymore near the ledge like they use too.
- Update on Mo’omomi Public Hearing Process
 - Malia – Susan Kim (Governors Liaison) will follow up with Governor on the Mo’omomi CBSFA public hearing process.
- Dec 10th Military ops – North Kohala by Krista Johnson
 - Krista – read this in the paper and concerned about marine life impacts from these military operations; Kawaihae North to Mahukona and also to

Kaupulehu – I'll send the link and information to Malia. I'm not anti-military my family is in the military but they have a history of just coming in and running through areas – comment period ends December 10th, they are planning to implement in 2019.

- Charlie – I'm not surprised because since they left Kahoolawe their plan was to come to Hawaii Island to develop their forces and training. But I believe those communities in the area where this work may impact would have a strong voice. We may be able to request to extend the EA this document will permit them to move forward with work.
- Krista – will affect both land and marine based native species.
- Malia – what are the adverse impacts on human populations near the area of special ops military training?
- Dale – I'll find out who to write a letter too? And should I write it on behalf of the council?
 - o Charlie – yes I think you should and sign off for the council
 - o Krista – yes I think you should
 - o Dale – this is just huge
- Krista – was in Tuesdays West Hawaii Today - paper (11/13) and I'll find the link and send it.

Next Steps:

- Next WHFC meeting December 13, 2018 meeting tentative site Kalaemano Learning Center in Ka'ūpūlehu at 5:30pm.

Adjourn at 7:14 pm – Malia made motion to adjourn and Donna 2nd.