From: <u>James Akau</u>

To: <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] F-1 OPPOSE Terms & Conditions to Issue AQ Permits, OPPOSE Delegating Authority

**Date:** Thursday, August 22, 2024 6:03:37 PM

### Board of Land and Natural Resources,

I, James Akau, oppose the reinstatement Commercial Aquarium Collection in the West Hawai'i Regional Fishery Management Area (WHRFMA). Native Hawaiian communities and 'ohana within the WHRFMA have been, and will be adversely impacted if Commercial Aquarium Collection is permitted to resume.

Native Hawaiian communities and 'ohana practice traditional and customary subsistence gathering, an activity that is constitutionally protected by Organic Act of 1900, and by the Hawai'i Constitution; Article XII Section 7, and Article XI section 6. It is the fiduciary duty of the State of Hawai'i to ensure that these constitutionally protected rights are not infringed upon. The renewal of Commercial Aquarium Collection is in direct violation of these Native Hawaiian constitutionally protected traditional and customary practices.

I implore you, board members of the Board of Land and Natural Resources, to oppose the reintroduction of this exploitative and destructive activity. The fisheries across Hawai'i are in a state of decline, and have been for decades. It would be gross negligence if this activity is allowed to resume, further contributing to the rapid decline of fish populations from 'Upolu point to Kalae. It is responsibility of the State of Hawai'i to best manage our fisheries as a public trust and not for the private sector. I pray that this testimony in opposition of the reinstatement of the Commercial Aquarium Collection is taken into serious consideration. Mahalo, and thank you for your consideration regarding this matter.

--

James J. Akau Kahuku Ranch Kahu 'Āina/Caretaker Kamehameha Schools 92-7405 Mamalahoa Hwy. Nā'ālehu, Hawaii 96772 (c) (808) 640-4792

<sup>&#</sup>x27;A'ohe 'ulu e loa'a i ka pōkole o ka lou

From: A

To: <u>DLNR.BLNR.Testimony</u>

**Subject:** [EXTERNAL] Please pass F1 and give out permits to fishers

**Date:** Friday, August 23, 2024 2:57:28 PM

**BLNR** Hearing

DATE: April 26, 2024 TIME: 9:00 a.m.

PLACE: DLNR Boardroom, blnr.testimony@hawaii.gov

Please send me a link to testify via Zoom.

From Al Giansanti

Testimony In Support of DAR F.1. passage.

Re: Approval of State of Hawai'i Aquarium Fish Permit

Please pass the issuance of Aquarium Fish Permits.

1. With overwhelming science supporting the sustainability of the aquarium fishery, the approval of fishery permits could aid the state in its shift to sustainable renewable resource uses.

The aquarium fishery is the most valuable and sustainable ecologically friendly fishery in Hawaii.

2. Please give the permits to sustainable fishers. Even the DAR recommends this.

DAR West Hawaii FEIS (Environmental Review Presentation):

https://youtu.be/djjtIsvg7qs?feature=shared

State of Hawai'I DEPARTMENT OF LAND AND NATURAL RESOURCES Division of Aquatic Resources Honolulu, Hawai'i 96813 April 12, 2024 Board of Land and Natural Resources State of Hawai'i

## **Informational Briefing on Existing Fisheries Data and Management**

"Considerations Related to Submitted for your information and consideration is a review of existing fisheries data and management considerations related to the West Hawai'i Commercial Aquarium Fishery prepared by the Department of Land and Natural Resources' (Department) Division of Aquatic Resources (DAR)".

## SUMMARY OF DAR FINDINGS

"Based on DAR's review of the available data for West Hawai'i, DAR does not find clear

evidence to suggest that limited commercial aquarium fish harvest, as proposed in the RFEIS' preferred alternative, would adversely impact the long-term viability of target species populations. DAR also does not find clear evidence to suggest that the activity would result in any measurable declines in ecosystem health or resilience. Finally, DAR finds that existing and proposed management measures would most likely mitigate any potential negative effects of the fishery and provide sufficient safeguards against unforeseen changes in population or ecosystem status. A detailed summary of DAR's findings is provided in section 9 of the DAR report".

"Based on the information provided in the DAR report and Appendices, DAR plans to present a recommendation to the Board regarding the issuance of West Hawai'i aquarium permits at a future Board meeting."

BRIAN J. NEILSON, Administrator Division of Aquatic Resources

3. Hawaii's Aquarium Fishery has been studied more than any other fishery in the world. Both the 2,400 page Environmental Review of the West Hawaii fishery, and the 1200 Page Oahu Environmental Review of all the science and fish counts support a sustainably low fishery impact conclusion. Meta-analysis of all the science supports passage of the Oahu fishery Final Impact Statement and a return of an important fishery to the State. State fish counts and studies covering more than 20 years of data, before the lawsuit by tourists already scientifically proved Hawaii's aquarium fishery was sustainable.

15 years of West Hawaii division of aquatic resource monitoring and the separate Tissot aquarium fish study proved "**no coral impacts**" for the fishery when compared to closed fishing areas! 21 of Hawaii's leading marine scientists with decades of hands-on expertise, in a public letter, all supported the "model" aquarium fishery. Only two scientists were in opposition to the fishery in their testimony. Both are non-marine biologists from the mainland with no direct ocean expertise or publications.

Most reef fish produce 10,000 to 5 million fry per spawning, and with spawning occurring three times a day or every daily for most months out of the year, reef fish's ability to repopulate is staggering! Fish are the most renewable resource on the planet. To not utilize highly renewable resources, lessen Hawaii's ability to be sustainable.

One major study showed that Yellow Tangs produce 1.14 million fry per pair per year! With a low estimated 1 million yellow tangs on Oahu, up to 570 billion fish eggs yearly on Oahu only. Most do not survive the adult breeding stage. Even if only one percent survive the adult breeding stage, then that is 5 billion 700 million new fish on Oahu reefs every year that could make it to adult breeding stages! The ability to repopulate far outweighs the impact of low aquarium fishery.

The maximum 6% take of past aquarium fishery populations was sustainable! Many researchers consider a 30% take to be the sustainable limit. The Oahu environmental review only asks for less than 5% of all species to be taken by fishermen. For most species listed in the environmental review preferred option, the amount of take would be less than 1%!

Fecundity is the measurement of a fish's ability to repopulate. This information is useful in fishery management.

Please Pass the permits for Aquarium fishing.

4. The United States 206 billion-dollar-a-year pet industry could further support Hawaii with

much-needed sustainable incomes at a low carbon footprint. There is an even more significant worldwide demand and potential for monetary gain. Aquaculture and aquarium fish business should be significant state goals to ensure Hawaii has more sustainable jobs and that economic boosts are greatly needed. Sustainable fisheries are the answer, not the problem. Please pass F1 and give out permits for aquarium Fishers!

# 5. 2020 DLNR West Hawaii Report To the Legislature:

Page 28 "Overall **Yellow Tang** abundance in the 30'-60' depth range over the entire West Hawai'i coast is

estimated to have increased by over 3.4 million fish from 1999/2000 to 2017/2018 (150% increase)

to a current population of about 5.7 million fish within this depth range alone."

Page 37 "Overall **Kole** abundance in the 30'-60' depth range over the entire West Hawai'i coast is estimated

to have **increased 118%** (>5.1 million fish) during this time period with a current estimated population of almost 9.6 million fish. As with Yellow Tang, summer 2014 recruitment for Kole

in many areas was very strong. Recruitment at the Manuka survey site for example was 254% higher than on any other previous survey at the site over the last 20 years."

Pager 17 "the marine aquarium fishery has been the most economically valuable commercial inshore fishery in the State of Hawai'i with FY 2017"

https://files.hawaii.gov/dlnr/reports-to-the-legislature/2020/AR20-WHRFMA-Rpt-FY19.pdf

Please pass F1 and give out permits to fishers.

Aloha Chair Chang and Members of the Board of Land and Natural Resources

My name is 'Alohi Nakachi, I am from the Island of Hawai'i born and raised in the mokus of Kona and Kohala. I have grown up in and around the ocean all over the Island of Hawai'i, being blessed with a boat captain for a father and having a deep love and kuleana for the ocean instilled within me from a young age. This love and kuleana, and pilina to my communities and fellow kia'i of this 'āina led me to obtain my PhD in Natural Resources and Environmental Management at UH Mānoa. I currently reside on the island of O'ahu where I work for The Nature Conservancy as their O'ahu Marine Program Manager.

I am an Indigenous researcher and Native Hawaiian social scientist. My PhD research sought to better acknowledge and represent diverse values and ways of knowing, particularly Indigenous knowledge systems within research, management and academia. In my research and throughout my career there has been ongoing conflict and injustices in Hawai'i because of the lack of recognition of Indigenous Knowledge and practices. These injustices continue because Hawaiian voices and peoples continue to be underrepresented and the management, economic, and governance structures in place make Hawai'i more accommodating and accessible to outsiders than actual people of place.

The Aquarium trade is particularly representative of these injustices and lack of consideration for diverse values and knowledge systems. The ongoing impacts of the aquarium industry have been allowed by the state of Hawai'i under the premise that this trade provides economic benefits to Hawai'i. However, without even looking at the different values and peoples impacted by this trade, the economic costs from this trade outweigh the benefits. In a study by Schaar and Cox 2021, they show that the economic benefits of the trade are limited to permit holders in the state (the EIS proposes 22 permit holders) and the rest of the economic benefits exist outside of the state where an estimated 95% of the fish are exported. Meanwhile the costs of the trade of administering permits would be burdened upon taxpayers (Schaar and Cox, 2021).

While Hawai'i management focuses on economic interests and a utilitarian perspective commodifying our environment, other values get completely ignored and unaccounted for. The diverse values and worldviews that people hold for include a kincentric worldview foundational to many Indigenous nations including Native Hawaiians (Hernandez, 2022; Osorio, 2018; Salmón, 2000; Topa and Narvaez, 2022). Foundational to Native Hawaiian practices and culture is the notion that humans and our surrounding environment are related as the elements, 'āina and all its inhabitants were birthed before us and humans were born as the youngest of this extended family to steward and appreciate all the gifts provided by those non-human relatives that come before us (Andrade, 2013; Kame'eleihiwa, 1992; Kikiloi, 2010; Kikiloi et al., 2017; Kurashima et al., 2018).

Hawaiians who follow the practices and protocols that guide Indigenous Native Hawaiian Knowledge, understand that 'āina is our chief, our source of life and that which feeds. This requires reciprocity as we understand that Native inhabitants including Native Hawaiians are part of this 'āina system and part of this feeding cycle. This is not just a physical nutritional

feeding, but also spiritual. Physically, all aspects of 'āina feeds through nutrient and life cycles and we, Hawaiians, can feed from 'āina from cultivating land and ocean and ensure our practices of cultivation continue with and do not hinder these cycles. The physical feeding can also tie to a spiritual feeding as we, Hawaiians, understand the interconnections of all 'āina cycles and components of 'āina play a role in these cycles and have an energy and spirituality that needs to be respected. A physical feeding or taking needs to have a purpose and be part of and give back to 'āina and ensure aloha 'āina and mālama 'āina.

Allowing the continuation of a trade that benefits an industry outside of the pae 'āina of Hawai'i conflicts with Native Hawaiian practices of mālama, or the need to care for our ancestors and non-living relatives, as well as directly impacts and competes with fishing practices as the majority of fish collected for the industry are important food fishes. These fish are also taken off of Hawaiian reefs and away from the land of Hawai'i when collected to support the hobbyist AQ industry so even their bodies and 'iwi cannot be given back or continue to feed 'āina when taken away.

I OPPOSE issuing commercial permits in West Hawai'i and I OPPOSE delegating authority to the Department Chair.

Hawai'i and the world in general are constantly under threat from compounding impacts particularly those from climate change. As we have seen continuously over the past few years from coral bleaching, an ongoing global pandemic, increased storm events and king tides, and devastating fires, we need to do everything we can to prioritize our place-based resilience. This includes limiting harmful or unnecessary practices, increasing food security, looking more towards place-based management, and investing more in Indigenous knowledge systems and stewardship. Indigenous stewardship remains a beacon of hope in times of impending threats as Indigenous peoples currently maintain and take care of what is estimated to be around 80% of the global biodiversity presently (Hernandez, 2022).

It is long overdue that Native Hawaiian knowledge systems and stewardship practices be given an equal footing and recognition within management systems and processes within Hawaii. The knowledge has long been there of how we may maintain resilience and care for the 'āina of Hawaii we need only listen and engage with it. That includes reciprocal practices of caring for place and not allowing extractive and harmful practices such as the aquarium trade that do not even benefit the people of Hawaii.

Do not allow this exploitation and degradation of our cultural and natural resources to continue further. The Kia'i opposing the AQ trade collectively ask you to answer to the call for action – to preserve and protect our marine ecosystem and cultural landscape, making Hawai'i a global example of what culturally grounded and regenerative leadership looks like. Deny the allowance of commercial permitting in West Hawai'i and deny delegating authority to the Department Chair.

Mahalo 'Alohi Nakachi, PhD Kona, Hawai'i

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From: <u>Eric Aoyama</u>

To: <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] Agenda item f1 support

Date: Thursday, August 22, 2024 7:28:05 PM

I support opening the aquarium fishery and managing resources by science provided by DAR

From: <u>Harold Chan</u>

To: <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] Agenda Item F1 support Date: Friday, August 23, 2024 7:16:05 AM

I support opening the aquarium fishery and managing resources by science provided by DAR.

Sent from my iPhone

From: <u>Kate Collins</u>

To: <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] NO Aquarium Collection permits!!!

Date: Thursday, August 22, 2024 5:54:38 PM

As a person who regularly swims on the beautiful Puako Reef, I am appalled by the idea that aquarium collection permits may be authorized again. We have worked diligently to remove all wastewater off the reef an allow it to recover. We are not seeing shellfish and reef fish recover. We must protect our waters and our sea life.

DO NOT AGREE TO AQ IN WEST HAWAII.

The Board of Land and Natural Resources should be the ultimate decision-makers on whether or not to issue AQ permits, not just the Chair of Division of Aquatic Resources staff

NO aquarium collection permits should be issued. I cannot even comprehend why this is being considered.

Sincerely,

#### **Kate Collins**

73-4387 Punawele Street, Kailua-Kona, HI 96740

**T**: +1-707-272-8136

**E**: KateJeanneCollins@gmail.com

<u>LinkedIn</u> <u>WhatsApp</u> Darwin's Fishes by Doug Perrine Alert Diver 2023

It was a stroke of serendipity when a young clergyman was offered a position as naturalist aboard a ship assigned to survey the coastline of South America in 1831. Charles Darwin had few professional qualifications but was a brilliant amateur geologist and biologist, later becoming Britain's preeminent authority on barnacles. A second fortuitous happenstance occurred when the Beagle stopped for 5 weeks in the Galapagos Islands. By great fortune, a naturalist with a keen inquiring mind found himself in the part of the world with the second highest degree of endemism, i.e. of species that had evolved to be uniquely suited to that place, and occur nowhere else. It took Darwin decades of pondering and re-examining his specimens before he was ready to unveil his theory of evolution by natural selection, and completely upend mankind's thinking about our origins.

Darwin's radical ideas would have weighty consequences for himself, the course of civilization, and for the Galapagos Islands. Heralded as the birthplace of evolutionary theory, the Galapagos are now protected as a UNESCO World Heritage Site, National Park, Biosphere Reserve, and Marine Reserve. Hundreds of thousands of tourists visit annually to see their natural wonders. By contrast the Hawaiian Islands, which have the world's highest rate of endemism, were not included in the Beagle's itinerary. The main Hawaiian islands now host relatively few fully protected natural areas. A massive tourism industry attracts only a small portion of visitors focused on the unique natural history of the islands. There are few laws protecting its unique species, and less enforcement. Hawaii is the extinction capital of the United States, and a global hotspot for endangered species. Hawaii is more widely associated with leis and luaus than with rare and unique wildlife.

If Darwin had come to Hawaii, instead of Darwin's finches we might be talking about Darwin's honeycreepers. The ancestral finches that arrived in Hawaii have morphed and diversified to the extent that they are hardly recognizable as finches and called honeycreepers instead. Over 90% of native terrestrial plants and animals in Hawaii are endemic. Marine organisms are better able to cross oceans, especially those with extended planktonic larval stages. Still, nearly a quarter of the marine fishes and invertebrates in Hawaii are endemic. Given Darwin's interest in marine biology, we might also be talking about Darwin's fishes, if only the Beagle had stopped in Hawaii.

With little support from the state Tourism Authority, Hawaii does attract a small stream of birders eager to catch glimpses of the unique native birds. While recreational scuba diving and snorkeling are important contributors to the economy, equivalent endemic fish-watching tours are pretty much non-existent, in part because many endemic fish are not easily observed. While most native birds are protected under the Endangered Species Act, until quite recently it has been perfectly legal to catch most native fish, whether for the table or the aquarium. Probably many more people have appreciated Hawaiian fish in aquaria elsewhere than on reefs in Hawaii. Escalating prices for rare Hawaiian species resulted in collectors going deeper and deeper to find prized fish, leaving a paucity of specimens within recreational diving depths. Regular exposure to both aquarium collectors and spearfishers also trains fish to hide at the approach of a human underwater.

Commercial aquarium fish collecting in Hawaii began in the 1950s. By the late 1980s it was declining on the other islands but growing rapidly along the West (Kona) coast of Hawaii Island, creating controversy and conflict between collectors and recreational divers. Public hearings sometimes devolved into shouting matches and threats. In 2014 a collector attacked an activist who was filming him underwater and ripped her regulator out of her mouth. Aquarium fishing became Hawaii's most valuable inshore fishery, earning it a fair amount of clout in the state government. At its peak, the aquarium fishery in West Hawaii took nearly double the number of reef fish as the combined total of recreational and commercial fishing.

In the mid 1990s, the State funded a study that showed that 7 out of 10 aquarium species studied suffered significant population reductions as a result of collecting. In 1998, Act 306 established a West Hawaii Regional Fisheries Management Area, and a management council, which was given a mandate to create no-collecting areas that would comprise a little over a third of the West Hawaii coastline. Subsequent studies showed that the two most-collected species, yellow tangs and kole tangs, experienced impressive recoveries within the closed areas and spilled over to increase populations in the open areas as well. Kole tang, or goldring surgeonfish, are endemic to Hawaii. Yellow tangs occur elsewhere, but are only common in Hawaii. Because these two species are naturally abundant on Hawaiian reefs, and not collected elsewhere, they were the mainstay of the aquarium collecting industry in Hawaii, accounting for about 90% of the catch. Yellow tang were worth

more to collectors per pound than silver bullion. Rarer species fetched much higher prices and were therefore sought more avidly by collectors. In 2014 endemic Hawaiian flame wrasses and longfin anthias could both fetch collectors over \$30 per fish, and near-endemic Tinker's butterflyfishes yielded over \$80 per fish.

In 2013 Hawaii created a "White List" of 40 species that could be legally taken by aquarium collectors. The list allowed collection of a number of endemic species and some that are rarely seen by divers. Furthermore, a lack of inspections and enforcement led to widespread suspicion that even protected species were being poached, and that high value fish were not safe even in the closed areas. Divers complained that they hadn't seen once-reliable species for years. When word got out that a certain fish had been found at a particular dive site, it would often disappear within days.

Fish collectors argued that some of these were not rare at all – their populations were just centered in deeper water. With a reserve population of fish on reefs too deep even for collectors using mixed gases, it would be impossible to wipe out the species. Furthermore, most Hawaiian endemics occur in the remote uninhabited Northwest Hawaiian Islands and Johnston Atoll, as well as the main islands. Biologically, this argument carries weight, but to fish-watchers it offers scant solace. Once a fish is removed from waters accessible to scuba it can't be seen and appreciated even if it is far from extinct. "If a tree falls in a forest...."

In addition to disgruntled recreational divers and tour operators, a new group of activists got involved in what became an annual tussle at the Hawaii legislature. These were animal rights crusaders, who challenged collecting as not just a resource management issue, but a moral issue. Recent studies have shown that many small reef fish have natural lifespans lasting decades. In home aquaria their lives are typically much shorter – and some do not even survive the capture and transport process. Furthermore, the collecting procedure is inherently cruel, say detractors, snatching fish from their natural homes to carry them in plastic bags to a life of imprisonment. They particularly abhor the procedure of puncturing the abdomen of a deep reef fish with a needle to release the swim bladder gas that expands during its rapid transport to the surface.

Coral-killing bleaching events in 2015 and 2019 gave the anti-collection lobby more ammunition. The tangs that comprise the bulk of fish collected in Hawaii are herbivores. Their services in controlling algal growth are essential to helping a reef recover from devastating marine heat waves fueled by climate change. New coral larvae need a bare coral substrate to attach to the reef and cannot settle on algae.

Year after year, bills were introduced to ban aquarium collecting, and year after year, they failed. State biologists and collectors alike testified that the fishery was well-managed and did not threaten fish populations. Former collector Bob Hajek insists that most collectors were good stewards of the reef. "We each had our own collecting areas," he says. "Why would we overharvest and put ourselves out of business?"

Animal rights activists eventually had better luck in the courts. A 2012 lawsuit claiming the State had violated Hawaii's laws by not requiring an EIS (Environmental Impact Statement) went to the Hawaii Supreme Court in 2017, and won. Later lawsuits challenged the validity of the EIS subsequently submitted by the aquarium industry. Aquarium collecting was legally closed in West Hawaii in 2018, and statewide in 2021. Well-publicized arrests of 7 collectors in 2020 effectively ended poaching in West Hawaii. The State is still open to a well-crafted EIS for collecting, and the animal rights groups are still ready to sue.

In the meantime, Hawaii's reefs continue to be affected by natural fluctuations in larval recruitment, environmental changes, introduced species, fishing, and other factors. Some reef fish were heavily dependent upon the cauliflower and antler corals that were decimated by the 2015 bleaching event.

Nonetheless, some divers report dramatic increases in sightings of some species that had been scarce during the years of heavy collection. Pam Madden, a lab manager and marine life enthusiast, says "Over the last four years, since the aquarium trade stopped, I've noticed some of the more rare species at a lot more sites, especially the Tinker's butterflyfish. I used to see them sporadically, very rarely, and they would be very skittish. Not only am I now seeing them at more sites, but they are not as shy. Without that collecting pressure, they are more interactive and play with your bubbles. It's such a joy to watch them!" She relates being "photobombed" by four Tinkers at a depth of only 45 feet, after seeing five others in deeper water. Tinker's butterflyfish were once believed to be endemic to Hawaii. They have since been found in a couple of other locations, but are strongly identified with Hawaii. A photo is a must-have for local fish photographers, but until recently it has been necessary to search long and deep to find a specimen.

Local photographers report recent success in finding other Hawaiian fish that were previously extremely challenging, such as flame wrasses. Madden says she only saw her first flame wrasse less than a year ago, but

can now find them at two different locations. Divers' perceptions vary, though, so for a more objective perspective I turned to the database of the Reef Environmental Education Foundation (REEF). Using standardized surveys, REEF collects data that it uses to calculate a sighting frequency (percentage of surveys on which a species is sighted) and a density (how many individuals within the survey area). For 28 species of Hawaiian endemic fish plus the Tinker's, I calculated the averages for 2015-2017 and 2020-2022 (during and after collecting) in West Hawaii, and compared the changes. Different species showed different trends, but overall, there was a 33% increase in sighting frequency and a 6% increase in density. For some, the difference was dramatic. Tinker's butterflyfishes showed a 300% increase in sighting frequency and a 75% increase in density after collecting was stopped. A smaller dataset from Hawaii Dept. of Aquatic Resources showed an average density increase of 64% across 22 species.

To fill the demand for Hawaiian species for the home aquarium, several organizations and individuals are working to refine techniques for captive culture of some Hawaiian fishes. Some are in the early stages of commercializing that process. Tank-grown yellow tang, as well as a couple of endemics, may become readily available as early as this year. Long-term success of these ventures may ultimately depend upon how much competition they face from collectors who are not saddled with the costs of maintaining a research laboratory and expensive captive breeding and grow-out facilities on shore.

Whether aquarium collecting will resume in Hawaii remains unknown, along with how climate change will affect Hawaii's unique reef life. What we do know is that now is the best time in years for Hawaii residents and visitors alike to appreciate the exotic and beautiful native fish that Darwin regrettably missed on his transformative voyage.

From: <u>dw dudley</u>

To: <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] aquarium collection

Date: Thursday, August 22, 2024 6:02:00 PM

#### To whom it may concern

Aloha and please allow me to voice my opposition to the commercial collection of reef fish in Wes Hawaii.

This commercial activity is harmful to the health of our beautiful reef and its ecology. It benefits few if any local people and sends profits to mainland dealers and sellers instead.

In the big picture it also harms a broader ecology concern and economic activity. It harms sport fishing of pelagic fish when the ecological food chain is harmed. It harms the coral reef itself, which supports many species, and even reduces our source of coral sand to replenish our beaches! All of the beach sand on the Big Island comes from the activity of fish that eat coral and produce sand, and the action of waves on the coral.

Aquarium collection is not a "traditional" or cultural Hawaiian activity. It harms traditions and the sanctity of the reef and traditional Hawaiian fishing. It will harm the sport scuba industry and the tourist industry of West Hawaii.

Instead of small protected areas of reef and large areas of collection, choose instead no collection and all protection, or small collection and large protection.

You don't know what you got til its gone. Lets keep the good things. For all the people and all the generations of Hawaii, help preserve the reef!

David W. Dudley MD humble resident of Hawaii since 2014

# **Stop the Hawaiian Fishing Ban**

The State of Hawaii is currently trying to ban the aquarium fishery which is the most managed near shore fishery in the State.

Science provides up to date fish counts and does not support a total ban. This is an environmental movement against fishing, and against management.

It is the only fishery to complete the Chapter 343 HEPA process. It is heavily managed with species restriction, gear restriction, bag limits, slot limits, area restriction and limitations to entry.

We, the undersigned, call to the State of Hawaii not to ban any form of fishing within State waters.

We support fishery management, backed by scientific data, to ensure the fish and reefs will be around for generations to come.

#	First name	Last name	Email	Registered Voter?
1	Aaron	Johnson	apjohnson73@gmail.com	Yes
2	Aaron	Dragseth	aarondragseth@yahoo.com	
3	Aaron	Metcalfe	mad_metas@live.co.uk	
4	Aaron	Klein	aaklein@gmail.com	
5	Aaron	Hykes	neoonu@gmail.com	
6	Aaron	Boals	thenautilustropicalfish@yahoo.com	
7	Aaron	Corbett	aaron_sonomed@hotmail.com	
8	Adam	Colwell	joe2kewl@yahoo.com	
9	Adam	Salamon	acs34@drexel.edu	
10	Adam	Salamon	acs34@drexel.edu	
11	Adam	Perez	akamup7@yahoo.com	
12	adam	dulski	adam.dulski@gmail.com	yes
13	adam	skott	rx7fast4me@yahoo.com	
14	Adam	Snodgrass	makaha666@gmail.com	
15	Adrian	Duran	perlorarm@aol.com	Y
16	Adriene	Gould	tebstan@yahoo.com	yes
17	Aeryn	Mehlhoff	last.flowers13@gmail.com	
18	aida	schellhorn	ricanshortee@yahoo.com	
19	Aisea	Tuikolovatu	bestchoiceinconstruction@msn.com	Yes
20	Alan	Adamzak	adamzak5@aol.com	
21	Alan	Chin	dark_wish@cox.net	Yes
22	Alan	Luff	alan@akusaemail.com	
23	Alan	Rhode	pamtri@verizon.net	yes
24	Alan	Elton	alelton@optonline.net	Yes
25	Alayna	Colstrom	alayna.colstrom@gmail.com	Yes
26	albert	husser	petplanetusa@yahoo.com	yes
27	Albert	Vidal	albert_vidal@yahoo.com	
28	Aldo	Moran	a2zcorals@gmail.com	yes
29	Alec	Ake	alecake09@yahoo.com	
30	alex	plew	aplew@sbcglobal.net	yes
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418	Dale	Pritchard	dpritc1106@aol.com	
419	Dale	Mandeville	eccsales@knology.net	Yes
420	dale	thompson	dinkhome@iname.com	ves
421	dale gordon	dodson jr	djddoson1@hotmail.om	yes
422	dallas	ballard	ballardgang@hotmail.com	yes
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424	dan	giltrap	d.giltrap@btinternet.com	
425	Dan	Martinez	dmartinez82@hotmail.com	Yes
426	Dan	Sheppard	dmanshep@gmail.com	YES
427	Dan	Rynn	farfromfiji@gmail.com	
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437	Daniel	Hernandez	dh2_ti@yahoo.com	
438	Daniel	Marshall	aerogaugex@aol.com	
439	Daniel	Gunrud	dgunrud@hotmail.com	Yes
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455	Danny	Burgett	d.burgett@yahoo.com	
456	danny	scudiero	rubble1984@yahoo.com	yes
457	Danny	Merten	danmerten@yahoo.com	Yes
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461	Darren	Arnett	ddtelestar @aol.com	Yes
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485	David	pimentel	sfcpimentel@gmail.com	yes
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521	David	Lantz	aquarium4578@bellsouth.net	
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567	Dirk	Johnson	wwdirk@hotmail.com	yes
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572	Don	Black	cd.black@comcast.net	yes
573	Don	Vazquez	donnie@vaztech.com	Yes
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608	Dustin	Morse	dustin.morse@gmail.com	Yes
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649	Eric	Koch	ekoch492@gmail.com	yes
650	Eric	Palmer	ejpalmer@infowest.com	yes
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652	Eric	Frias	tucsonrocks@live.com	yes
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806	Jake	Wand	info@rivercityaquatics.com	
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808	Jake	Goewey	jake_goewey	
809	jake	heinzelman	jakeheinzelman@sbcglobal.net	
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824	James	Mace	medasman@yahoo.com	yes
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832	James	Twiford	jamest@seadwelling.com	
833	james	Ryall	ride with pride @hotmail.com	
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841	James	Galecio	leegalecio@gmail.com	Yes
842	James	Beckham	beckhajb@yahoo.com	
843	james	okeefe	eefe727@aol.com	
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1038	john	farrell	john@fishartinc.com	yes
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1798RobertRaidlinefishbobraidline@aol.comYes1799robertgillingsaquasceneaquatics@yahoo.com1800RobertConnollyrc1626@optonline.net	
1799robertgillingsaquasceneaquatics@yahoo.com1800RobertConnollyrc1626@optonline.net	
1800 Robert Connolly rc1626@optonline.net	
1802 robert seaburg robertseaburg67@gmail.com	
1803 Robert Ordway sierrasaltwater@yahoo.com	
1804 Robert Mackey rdtmack@yahoo.com	
1805 Robert Pope robpope@fuse.net yes	
1806 Robert Miller bmiller@nocoxmail.com	

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1807	Robert	Pascua	rufishy2@aol.com	
1808	Robert	Gardner	byhisgrace80@gmail.com	Yes
1809	Robert	Choniuk	elitereef@gmail.com	
1810	robert	walters	mereefgeek@yahoo.com	
1811	Robert	Miller	erifish@aol.com	
1812	Robert	Brackett	bobbyb323@comcast.net	yes
1813	Robert	Bray	rbray@houseoffins.com	Republican
1814	Robert	Gorajewski	batfish5@aol.com	YES
1815	Robert	Taylor	robleentay12aol	
1816	Roberto	Ortiz	bobbyfortiz@gmail.com	Yes
1817	ROBERTO	MACIAS	robert@qualitymarine.com	YES
1818	Robin	Hon	robinhon@hotmail.com	
1819	Robin	Lynn	cybermeez@gmail.com	Yes
1820	robin	winkels	waterw@wxs.nl	
1821	Robyn	Mckenna	robyn11480@aol.com	
1822	Roderick	Espelita	rod james02@yahoo.com	
1823	Roderick	Bourke	rodjbourke@yahoo.com	
1824	Rodney	Gilbert	kidrocklookalike1@yahoo.com	
1825	Rodney	Pearson	rd0591@aol.com	ves
1826	Rodney	Parker	pack rat20012003@yahoo.com	yes
1827	Rodney	Sanders	greyeyes145@yahoo.com	Yes
1828	ROGER	PRUE	us73@msn.com	NO
1829	Roger	Kennedy	r70455ho@aol.com	
1830	Roger	McCray	rogermccray@gmail.com	
1831	Roger	Brant	brantana@aol.com	Yes
1832	roger	hebert II	reefgeek01@yahoo.com	yes
1833	Roger	Crank	wwyamy22@hotmail.com	
1834	Rommel	Cruz	rommel.g.cruz@gmail.com	
1835	Ron	Teeple	ront36@yahoo.com	
1836	Ron	Hederson	ihbwegotcrabs@yahoo.com	
1837	ron	ruggear	ruggear@aol.com	yes
1838	Ron	Tubbs	rtmb@hawaiiantel.net	yes
1839	Ron	Harmon	rjharmon@netzero.net	yes
1840	Ron	Ratoff	rratoff@gmail.com	
1841	ron	silver	rhinopias@comcast.net	
1842	Ron	Steigerwald	pets@imt.net	
1843	Ronald	Ruesch	coralreef@charter.net	yes
1844	Ronald	Michalik	romn45@sbcglobal.net	YES
1845	Ronald	Sampert	r_jay_sampert@att.net	yes
1846	Ronald	Warren	ronaldwarren08@gmail.com	
1847	RONALD	YOUNG	youngshyd@comcast.net	
1848	rondel	marbury	kingbelize@gmail.com	
1849	Roni	Talukdar	rtalukdar1@yahoo.com	

#	First name	Last name	Email	Registered Voter?
1850	ronnie	robbins	icebound316@hotmail.com	
1851	rosalba	morales	nparis20	yes
1852	rosalba	morales	nparis20@yahoo.com	ĺ
1853	Rosemary	Thomas	thomasrosemary1959@gmail.com	yes
1854	Ross	Clare	ftds1984@yahoo.com	
1855	roy	greenfield	fishdude@n2hyn.com	
1856	Russ	Smith	coralreefer1@hotmail.com	yes
1857	Russ	Plumlee	coralreefer1@hotmail.com	ĺ
1858	Russell	Hawkins	russell.hawkins@comcast.net	yes
1859	Russell	Ingold	colaman55@hotmail.com	Yes
1860	Ryan	Turner	ryant t@hotmail.com	
1861	Ryan	Plummer	sales@saltcritters.com	
1862	Ryan	Rountree	rrtree304@gmail.com	
1863	Ryan	Clark	ryanclark2002@hotmail.com	
1864	Ryan	Thies	ryan.thies52@gmail.com	
1865	Ryan	Plourde	ryanplourde@live.com	
1866	Ryan	Landry	ryanjlandry@cox.net	
1867	Ryan	Roche	arowanaryan@aol.com	
1868	Ryan	McDonald	rmac0089@yahoo.com	
1869	Ryan	Yaldor	speedracer7@tampadsl.net	
1870	Ryan	Sweeney	truefanauthentics@hotmail.com	Yes
1871	Ryan	Rothwell	ryan@thepetdepothawaii.com	
1872	Ryan	Lapierre	r lapierre@hotmail.com	
1873	ryan	jadeke	mrbigshot2950@yahoo.com	yes
1874	Ryan	Kumpf	ryan.kumpf@gmail.com	Y
1875	Ryan	Baker	rbaker2@harding.edu	Yes
1876	Ryan	Otto	arotto@optonline.net	
1877	Ryan	Neiswander	rneiswander@gmail.com	Yes
1878	Ryan	Rothwell	ryan@thepetdepothawaii.com	Yes
1879	Ryan	McTique	mctigurm@gmail.com	
1880	Ryan	Buesseler	bues0022@umn.edu	
1881	S. Mark	Dixon	dixonswildflower@aol.com	
1882	Sajid	Gorospe	syn4tic flo57@yahoo.com	
1883	sal	moen	saltwater_city@hotmail.com	
1884	Sally	Myers	lilbamboo@alohabroadband.com	
1885	Sally	Haase	7flymia@gmail.com	yes
1886	Sam	Yost	syost123@gmail.com	Yes
1887	Sam	Sutton	samsutton90@gmail.com	
1888	Sam	Yost	syost123@gmail.com	Yes
1889	Sam	Wheatley	samwheatley122@hotmail.com	Yes
1890	Sam	Yost	syost123@gmail.com	
1891	sam	mullikin	bmullikin1@tampabay.rr.com	yes
1892	Sam	Price	ina dimples@yahoo.ca	Ť
1092	Sdill	LIICE	ппа_иппріеѕшуаноо.са	

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1893	Sam	Hawkins	hawkins44@sky.com	Yes
1894	Samantha	Groene	slgroene@aol.com	
1895	SAmmie	Mcintee	cheer8861@yahoo.com	
1896	Samson	Wheat	samson.wheat@yahoo.com	
1897	Samuel	Garcia	thecreativenature@yahoo.com	
1898	Samuel	Lay	sjlayking@gmail.com	
1899	Samuel	Bisso	dbisso3@gmail.com	
1900	Sandie	Haynes	strmemt5@comcast.net	
1901	Sandra	Zubay	szubay123@gmail. com	yes
1902	sandy	santiago	ricanboi5150@yahoo.com	
1903	Sandy	Moore	sandy@segrestfarms.com	Yes
1904	Sanjay	Joshi	sjoshi@psu.edu	
1905	Sarah	Leonard	smile180.sl@gmail.com	
1906	Sarah	Haslem	sarah.haslem@tropicalmarinecentre.co.uk	Yes
1907	Sarah	Haslem	sarahbloo33@gmail.com	Yes
1908	Sarah	Taylor	sarahtaylor873@gmail.com	
1909	scooby	800	killerlex@yahoo.com	yes
1910	Scot	Greenman	greenmanscot@yahoo.com	
1911	Scott	Groseclose	info@aquariumspecialty.com	Yes
1912	scott	mudd	fishermud@yahoo.com	yes
1913	Scott	Parkins	mesk8@aol.com	yes
1914	Scott	Brang	sbrang@gmail.com	
1915	Scott	Stapels	sstapels@yahoo.com	yes
1916	scott	brien	sbrien@hawaiiantel.net	
1917	scott	sherwood	sherwoodaquariums@yahoo.com	yes
1918	scott	white	scottwhiteinc@gmail.com	
1919	Scott	Clement	scmcur@ldry.com	
1920	Scott	Faulkner	scott@rift2reef.com	yes
1921	Scott	Gibson	triggersamuck@gmail.com	
1922	Scott	Tarrence	sfd927@yahoo.com	Yes
1923	Scott	Sharples	scottsharples@hotmail.com	Yes
1924	Scott	Swanson	scott.p.swanson@hotmail.com	Yes
1925	Scott	Brown	themadride@hotmail.com	Yes
1926	scott	maurer	exotic.reef@live.com	
1927	scott	miles	scottmiles@eastlink.ca	
1928	scott	standridge	scottstandridge51@yahoo.com	
1929	Scott	Wilson	scottwilson@unclebills.com	
1930	Scott	Hughes	shughes122@hotmail.com	
1931	Scott	Allen	spencer@beaumontranch.com	
1932	Scott	Talkington	talkington2009@live.com	yes
1933	Sean	McQuilken	hobieracer85@yahoo.com	Yes
1934	sean	harrison	harison.sean81@gmail.com	
1935	Sean	Breyer	seanbreyer@hotmail.com	yes

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1936	Sean	Frickleton	aquaco@me.com	
1937	Sean	Stalter	alligatorkid@aol.com	
1938	Sean	Thompson	sean112280@gmail.com	
1939	Sean	Cloyd	cloydse@gmail.com	Yes
1940	Sean	Keller	rottloverr@yahoo.com	Yes
1941	Sean	Chai	cee3po@gmail.com	
1942	Sean	McQuilken	hobieracer85@yahoo.com	Yes
1943	sean	reed	slr.inc38@gmail.com	
1944	Sean	Radomski	aquatopiaoutlet@gmail.com	
1945	sean	fitzgerald	seanfitz22@hotmail.com	yes
1946	Sean	Thompson	sean112280@gmail.com	
1947	Sebastian	Bollmann	azb-meerwasser@gmx.de	
1948	Sebastian	alexander	sebasticao@hotmail.com	932596184
1949	Sebastian	duijvenbode	sebastian.duijvenbode@tropicalmarinecentre.co.u	ık no
1950	seng	xiong	xiong_seng@yahoo.com	
1951	Sergio	Salazar	sergios@exoticreefimports.com	
1952	Seth	Weisbrook	sweisbrook@gmail.com	
1953	Seth	Drago	sethdrago1@aol.com	
1954	Shady	Canary	shady.canary@gmail.com	
1955	Shan	Ramnauth	shan_ramnauth@yahoo.com	
1956	Sharon	Koch	mkoch003@comcast.net	yes
1957	shaun	lindsey	shaun_hawaii@yahoo.com	no
1958	Shaun	McCoshum	shaun.mccoshum@okstate.edu	Yes
1959	shaun	riggle	smriggle@sbcglobal.net	yes
1960	Shaun	Donahue	shaundon84@hotmail.com	yes
1961	shaun	adams	shaun-adams@cox.net	
1962	Shawn	Myers	shawn552@verizon.net	yes
1963	Shawn	Meeks	reefquest@yahoo.com	YES
1964	Shawn	Haynes	livewireaquatics@gmail.com	
1965	Shawn	Borchers	borchers197@gmail.com	yes
1966	Shawn	Wilkinson	sww5671@yahoo.com	yes
1967	Shawn	Borchers	borchers197@gmail.com	
1968	Shawn	Yamamoto	shawnyamamoto@hotmail.com	
1969	shawna	tanji	love.shawna@gmail.com	
1970	Shawna	Rogers	bluestarfh@yahoo.com	yes
1971	Shawna	Uwaine	shawnz808@gmail.com	
1972	Shea	Oakley	ancientskies1@safeaccess.com	yes
1973	Shelby	Evans	lbyshea@hotmail.com	
1974	Sherri	Wood	dswood198@live.com	
1975	Sherry	Ross	sheross64@yahoo.com	Yes
1976	sherry	hayworth	sherryhayworth@yahoo.com	yes
1977	Sheryl	Cohen	scohen@wisela.org	
1978	Silas	Campbell	syjc64@hotmail.com	yes

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1980	Solomon	Bick	ayef12@yahoo.com	Yes
1981	SPRING	BROOKS	springlb1428@aol.com	
1982	Stace	Bleich	sb.bleich@gmail.com	
1983	Stacy	Dakan	sales@yourreef.com	Y
1984	Stacy	Halemano	naia89@yahoo.com	yes
1985	Stedman	Clay	thecoldestlightning@yahoo.com	Yes
1986	Stephane	Dufour	zap design@hotmail.com	
1987	Stephanie	Blaser	sjblaser@yahoo.com	
1988	Stephanie	Smith	stephaniej77@yahoo.com	
1989	stephanie	harlow	steph0823@hotmail.com	
1990	Stephanie	Drum	tiberious1971@gmail.com	yes
1991	stephen	platania	stephen.platania@gmail.com	yes
1992	Stephen	Ranicki	sranicki@comcast.net	Yes
1993	stephen	Howard	captstephen@yahoo.com	
1994	Stephen	Emery	steve.emery@tropicalmarinecentre.co.uk	Yes
1995	stephen	wood	draxlith@yahoo.com	
1996	Stephen	Sefcik	outback14@verizon.net	
1997	stephen	wood	draxlith@yahoo.com	
1998	Stephen	Carroll	laverda@aol.com	yes
1999	Stephen	Ekins	steve@mountainwestmarine.com	
2000	Stephen	Waddell	stephenwaddell@att.net	
2001	Stephen	Karl	skarl@hawaii.edu	yes
2002	Stephen	Davis	ceriff@gmail.com	yes
2003	stephen	marto	animalmgc@hotmail.com	yes
2004	Stephen	Polk	coastalreef@gmail.com	
2005	stephen	crawford	s.crawford1@yahoo.com	yed
2006	Sterling	Felton	sterlingfelton@yahoo.com	
2007	Steve	Eustace	steve@eusty.co.uk	
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2009	steve	farley	aquariumimports@aol.com	
2010	steve	fraser	nascar48fan48@hotmail.com	yes
2011	Steve	Emery	stephenemery1883@gmail.com	Yes
2012	Steve	Delgado	steve.d.delgado@aexp.com	Yes
2013	Steve	Harris	dsharris36@earthlink.net	
2014	Steve	McLeod	oceanreef@live.com.au	
2015	steve	howard	captstephen@yahoo.com	yes
2016	Steve	Sparks	koobie.peach@gmail.com	yes
2017	Steven	Melling	gungamel@gmail.com	
2018	Steven	Erekson	steve.erekson@gmail.com	Yes
2019	Steven	Hughes	steve.hughes@sunpet.com	yes
2020	Steven	Goldman	sgoldman17@gmail.com	
2021	Steven	Pierce	spierce@therealtyhouse.com	Yes

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2022	steven	heyer	heyerflyer@aol.com	yes
2023	Steven	McClellan	mac24seven@msn.com	
2024	Steven	Colletti	vercellis1@frontiernet.net	
2025	Steven	Pro	stevenpro@verizon.net	
2026	Steven	Pro	stevenpro@verizon.net	
2027	Steven	Heron	steveheron73@gmail.com	
2028	Steven	Dillon	sdillon030976@hotmail.com	Yes
2029	Steven	Davis	qazzaq34766@gmail.com	
2030	Steven	Philbrick	steven2213@aol.com	
2031	Stewart	Reid	reid121@hotmail.co.uk	
2032	Susan	Hughes	sghughes3@verizon.net	yes
2033	Susan	Hazard	hazard@midco.net	yes
2034	Susan	Ingold	president@tampabayreefclub.org	yes
2035	Susan	Dittmar	tropicalfishhaven@sbcglobal.net	Yes
2036	Susan	Dzieweczynski	suszied@yahoo.com	
2037	Susie	Piatt	spiatt@lowrycrossing.org	
2038	Suzanne	Haller	thefishbowlpeople@yahoo.com	yes
2039	Svein A.	Fossa	sfossa@online.no	
2040	Syd	Kraul	syd@pacificplanktonics.com	yes
2041	Sylvia	Dolena	sylviadolena@yahoo.com	yes
2042	T	McManus	tmcmanus@komakmfg.com	
2043	Tal	Sweet	fishtal@comcast.net	
2044	Tam	Le	tamle.84@gmail.com	
2045	Tammora	Wheeler	twheele1@tampabay.rr.com	
2046	Tanner	Young	tanner.young@ccaqua.com	Yes
2047	tanor	nelson	tanornelson@yahoo.com	yes
2048	tanya	wood	tanya909@aol.com	
2049	Tanya	Туо	floridahomes4every1@yahoo.com	
2050	Tara	Smith	tara11007@aol.com	yes
2051	Taylor	DeCastro	caviardoughnut@gmail.com	yes
2052	Ted	Hill	keohill@gmail.com	
2053	Ted	Krupman	tkrupman@aol.ocm	
2054	Ted	Justeson	reefrubble@tampabay.rr.com	
2055	Tejhay	Dangla Cruz	tejhaydanglacruz@yahoo.com	
2056	Tekena	Maxwell	troysweetheart@yahoo.com	
2057	Teresa	Armstead	teresaarmstead@me.com	yes
2058	Teri	Eliades	teri@tae.com	
2059	Teri	Nelson	terden@sbcglobal.net	
2060	Terri	Bower	terrisbower@msn.com	
2061	Terry	Tomblin	zforce@windstream.net	YES
2062	Terry	Fairfield	fishdoc66@gmail.com	yes
2063	terry	brooks	tbrooks1@hawaii.rr.com	
2064	Terry	Sean	tsq@usa.com	

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2065	Terry	Brooks	tbrooks1@hawaii.rr.com	No
2066	Terry	Webster	wetwebster@gmail.com	
2067	Thang	Cao	thangcao@hotmail.com	
2068	Theodore	Krupman	tkrupman@aol.com	
2069	Theresa	Andreae	andreae@hawaii.rr.com	yes
2070	Thomas	Wieskamp	wieskampt@gmail.com	
2071	Thomas	Henig	thomas.henig@gmail.com	Yes
2072	Thomas	Mancini	thomas mancini@hotmail.com	
2073	Thomas	Lybek	dead18t@yahoo.com	Yes
2074	Thomas	DeBole	raider.tom@gmail.com	
2075	Thomas	Winzeler	buffalobunch@aol.com	Yes
2076	Thomas	Burnash	aquascaped@aol.com	yes
2077	Thomas	Daly	tcat61967@yahoo.com	yep
2078	Thomas	Lorenzo	tlor@aol.com	
2079	Thomas	Teeling	tteeling@msn.com	Yes, Michigan
2080	thomas	heyden	addocdreefer@yahoo.com	yes
2081	Thomas	Johnson	tbjohnson@gmail.com	yes
2082	Thomas	Lisciandra	tomgl@me.com	Yes
2083	Thomas	Rosado	hoaxter3@charter.net	Yes
2084	Thomas	Shepard	tomsimtim@lycos.com	Yes
2085	Thomas	Gondek	tgondek@hotmail.com	
2086	Thomas	Lund	tom.lund@tropicalmarinecentre.co.uk	no
2087	Thomas	Wright	justinsellsreo@gmail.com	yes
2088	thomas	guadagno	tguadagno@gmail.com	yes
2089	Thomas	Wood	reefshoppe@frontiernet.net	
2090	Thomas	Armstrong	t4838596a@yahoo.com	
2091	Thomas	Hickcox	kamaki1@hawaiiantel.net	
2092	Thomas	McCallie	thomasmccallie@hotmail.com	
2093	Tiffany	Houska	gomakemecoffee@hotmail.com	
2094	tiffany	laplante	tiffanylaplante2010@hotmail.com	
2095	Tiffany	Saunders	aquaria@aquariafl.com	Yes
2096	tiffany	brugger	sexibabigrl0690@netscape.net	
2097	Tim	Wagenseller	tim wagenseller3@yahoo.com	
2098	Tim	Standbridge	standbridge@gmail.com	
2099	tim	verschage	verschaget@yahoo.com	
2100	Tim	McAfee	seaclearaquarium@aol.com	Yes
2101	Tim	McAteer	xscroogex@hotmail.com	
2102	Tim	Garrett	timothywaynegarrett@gmail.com	
2103	Tim	Ashurst	kba98@bellsouth.net	Yes
2104	Tim	King	timjking0007@yahoo.com	Yes
2105	tim	nasso	tim.nasso@yahoo.com	
2106	Tim	Vizcarra	euphoricgear@gmail.com	
2107	Tim	Harrison	tharrison67@yahoo.com	Yes
		!	1	

#	First name	Last name	Email	Registered Voter?
2108	Timothy	Cobb	huntinhabit@gmail.com	
2109	Timothy	Smith	fishpet@smithtoday.com	yes
2110	Timothy	Stockdale	tstockdale@gmail.com	
2111	Timothy	Payne	tim@paynephotoltd.com	yes
2112	Timothy	Unger	tungerjr@ma.rr.com	YES
2113	Timothy	Mccurdy	timmccurdy92@gmail.com	
2114	Tina	Gioffre	sales@executiveaquarium-md.com	Yes
2115	Tina	Parker	tinaloop@hotmail.com	
2116	Tina	Neal	tina@perculasreef.com	yes
2117	Tina	Shaw	tina.shaw@tx.rr.com	
2118	Tobias	Thorn	toby_thorn@yahoo.com	
2119	Toby	Elsey	tobyelsey@gmail.com	Yes
2120	Todd	Sassler	todd@bluewaterreef.com	yes
2121	Todd	Haynes	todd@livewireaquatics.com	yes
2122	Todd	Robinson	mtfallstodd@juno.com	absolutely!!!!
2123	Todd	Robinson	mtfallstodd@juno.com	YES!!
2124	Todd	Sickles	todd@imbueusa.com	Yes
2125	Todd	Armentrout	bb.red.sc@gmail.com	yes
2126	Todd	Bouton	todd_sails@yahoo.com	yes
2127	Todd	Vreeland	chantweaver@gmail.com	Yes
2128	Todd	Lamping	tlamping@hotmail.com	
2129	Tom	Phan	jdevines@yahoo.com	
2130	Tom	Beat	tbeat57@hotmail.com	yes
2131	Tom	Turner	t_t_mooselake@yahoo.com	
2132	tom	Scott	foodisgoodle@yahoo.com	
2133	Tom	Lang	tlang@aquariusaquarium.org	Yes
2134	tom	truwe	liquiddesignsinc@yahoo.com	yes
2135	Tom	Miller	tdmiller1@cavtel.net	
2136	Tom	Campbell	tcamp50797@aol.com	yes
2137	Tom	Lund	tomwdr1234@aol.com	no
2138	tom	demayo	fishome@optonline.net	yes
2139	Tomas	Wilson	wilson_212@hotmail.com	
2140	Tommy	Adams	cornelia5150@gmail.com	
2141	Tong	Joson	tongtikfai@hotmail.com	
2142	Toni	Freeman	tfreeman1111@comcast.net	YES
2143	Tony	Machado	fishandfragshack@hotmail.com	
2144	Tony	Ngo	blackwagon@gmail.com	Yes
2145	Tony	Bell	tony_bell@talk21.com	yes
2146	Tony	Violante	tviolante@craquariums.com	
2147	Tony	Costa	tony@pop-hawaii.com	YES
2148	Tonya	Hammontree	tonyahammontree@gmail.com	
2149	Tosh	Williams	tosh@theclownfactory.com	
2150	Tosh	Williams	info@theclownfactory.com	

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2151	Tracey	Brooks	ostara13@gmail.com	
2152	Tracey	Brooks	ostara13@gmail.com	Yes
2153	Tracey	Higginbotham	tracey fredericks@yahoo.com	
2154	Tracy	Vandersluis	tlboychuck@live.com	
2155	Tracy	Vandersluis	tlboychuck@live.com	
2156	Traej	Moore	traebiz1@gmail.com	
2157	Travis	Heidt	upscales93@aol.com	
2158	Travis	Ebersole	tebersol20@gmail.com	
2159	Treston	Kline	fishboytk1@yahoo.com	
2160	Trevis	Halladay	sivert55@yahoo.com	yes
2161	Trevor	Terazono	terazonot002@hawaii.rr.com	No
2162	Tristan	Boyles	spyder4u2@yahoo.com	
2163	Tristan	Boyles	spyder4u2@yahoo.com	
2164	Tristin	Terazono	terazonot002@hawaii.rr.com	no
2165	TROY	VAIL	tinkereye@aol.com	
2166	Troy	Stuckey	stuckeytroy@gmail.com	yes
2167	Troy	Maeda	tkmaeda@hawaii.rr.com	
2168	Trung	Huynh	trdhuynh@yahoo.com	YES
2169	Trung	Duong	tcduongxx@yahoo.com	Yes
2170	Tu	Kieu	tu.m.kieu@gmail.com	9258889888
2171	Tyler	Stark	tstark999@gmail.com	
2172	Tyler	Currie	tycurrie21@gmail.com	YES
2173	tyron	terazono	terazonot002@hawaii.rr.com	
2174	tyron	terazono	terazonot002@hawaii.rr.com	
2175	Tyrone	Jackson	cali88swangin@gmail.com	Yes
2176	Tyson	Gray	casmbu@yahoo.com	
2177	Ulla	Carmiencke	nahacky@gmail.com	Yes
2178	Uson	Ewart	uewart@aol.com	
2179	Vernon	Gibson	cheetum2000@yahoo.com	yes
2180	vic	mota	reef2you@gmail.com	
2181	Vicki	King	vickisnuthouse@q.com	
2182	vickie	christenberry	munchie44cat@yahoo.com	
2183	Victor	Araiza	afuafu123@msn.com	
2184	Victorr	Eng	veng68@gmail.com	
2185	Vince	Duffy	aquariumguy@comcast.net	
2186	Vincent	Franoznello	phatfat@gmail.xom	Yes
2187	Vincent	Rado	vrado@comcast.net	yes
2188	Vincent	Baiardi	psychoco816@aol.com	Yes
2189	Vincent	Altamirano	valtamirano25488@hotmail.com	YES
2190	Vincent	Carcuffe	vincent@casnaples.com	Yes
2191	VIRGINIA	HAGERTY	walksonbeach@hotmail.com	
2192	vladimir	mikshansky	vlads85@yahoo.com	
2193	Vu	Dao	vuqdao@yahoo.com	

#	First name	Last name	Email	Registered Voter?
2194	W. Hunter	Powell	powelhun@gmail.com	YES
2195	wallace	maier	wallacemaier@yahoo.com	yes
2196	Walter	Echols	walter@wdwinfo.com	yes
2197	Walter	LaRoque	walterlaroque@gmail.com	Yes
2198	walter	andreae	andreae@hawaii.rr.com	yes
2199	WALTER	WARD	wward46@comcast.net	YES
2200	WANG SENG	TAN	wangseng@kligroup.com	
2201	Wayne	McKelvey	wayno0861@gmail.com	yes
2202	Wayne	Riley	wayne@saltwaterworx.net	
2203	Wayne	Sugiyama	wowhawaii@aol.com	
2204	Wayne	Cutts	wayne.cutts@tropicalmarinecentre.co.uk	yes
2205	wayne	chang	imagexboi@aim.com	
2206	Wendell	Nunes	wendell nunes@dccnet.com	
2207	Wendi	Dennison	indigosativa@yahoo.com	Yes
2208	Wendy	Webster	cutiepiecj88@gmail.com	
2209	Wendy	Webster	fishy business1995@yahoo.com	
2210	Wendy	Long	ah notty@yahoo.com	yes
2211	Wil	Nelson	wmn2k6@gmail.com	
2212	Wiliam	Gately	bgately@bellsouth.net	Yes
2213	Will	shannon	williamkshannon@hotmail.com	
2214	Willbur	Duhl	stickboy 107@yahoo.com	yes
2215	William	Connell	billandamy411@hotmail.com	
2216	William	Karalekas	billkaralekas@comcast.net	yes
2217	William	Trufant	bill@bbpetstop.com	Yes
2218	william	Crook	divekailua@gmail.com	yes
2219	William	Barney	eeldog17@yahoo.com	
2220	William	Baskett	whbaskett07@yahoo.com	
2221	William	Zajack	wzajack@yahoo.com	
2222	William	Graham	chilwil84@hotmail.com	yes
2223	William	Jackson	wwjackson2@yahoo.com	Nope
2224	William	Clifton	njclifton@aol.com	yes
2225	William	Parlee	billhtfdct@aol.com	
2226	William	Crawford, Jr.	calrulz@comcast.net	
2227	William	Frankowiak	alphabet369@yahoo.com	
2228	William	Housley	aquariumo@bellsouth.net	
2229	William	Ridgway	magnoykoi@aol.com	
2230	William	Treece	weaponsusmc1@aol.com	yes
2231	William	Saad	skatastic4003@sbcglobal.net	
2232	William	Doerfler Jr	omgcorals@hotmail.com	yes
2233	William	Chang	bcsc@hawaii.rr.com	Yes
2234	William	Davis	williamd@mysaltwaterparadise.com	Yes - Utah
2235	William	Graham	chilwil84@hotmail.com	yes
2236	William	Gent	bgent1@suddenlink.net	yes

#	First name	Last name	Email	Registered Voter?
2237	william	mancera	william.mancera@us.army.mil	
2238	William	Smith	sebae09@aim.com	No
2239	William	Crowder	desmond.crowder@gmail.com	
2240	william	plummer	jupboy89@aol.com	
2241	William	Conner	facter2@yahoo.com	
2242	William	Westcott	wildbill1568@live.com	
2243	William	Schlunz	bill@needtotakevisa.com	yes, definitely. Isn't every responsible American??
2244	William	Harris	oceanlife1@bigpond.com	yes
2245	William	Bineham	wdbineham@aol.com	yes
2246	William`	Howell	cmacmike@yahoo.com	yes
2247	Willie	McDaries	wmcdaries3@gmail.com	
2248	Wilson	Crigger	willydaboss2002@gmail.com	Yes
2249	WOODY	WOOD	woody@seahorse-nw.com	
2250	WOODY	WOOD	woody@seahorse-nw.com	
2251	Wyatt	Patry	wyattpatry@gmail.com	Yes
2252	Yang	Vang	y.v209@live.com	
2253	yevgeniy	shimko	yshimko@gmail.com	
2254	yvette	westcott	ywest80@verizon.net	
2255	Zach	Hewitt	zhewitt04@yahoo.com	Yes
2256	Zach	Phillips	info@vividaquariums.com	yes
2257	Zachary	Hubbell	hubbell.zach@yahoo.com	Yes
2258	Zoila	viegas	zol_23mayo@hotmail.com	yes

Chair Chang and Board of Land and Natural Resources,
Manage listen to the Sicence and reopen. Tomples

Chair Chang and Board of Land and Natural Resources,

In support the science

Sam Prusa.

Chair Chang and Board of Land and Natural Resources,

reopen the fishery,

Core s Depot

Chair Chang and Board of Land and Natural Resources,

Re open. Mulissa Espesite

I support reopen'y Steve Dues

Re-open the fishery

- Hugo Delgalo

Reopen the foling Carles Genrales Laff.

I soppied

Lus

Court

8

Respen the fishery!
- Redro L.

I AGREE TO OPEN

j-ISHERJ

Reopen the Fishery Pleas

reopen the fishery - Denial Estrada

( SUPPORT THE HAWKIIAU FISHERY
GIC MARK MM

Please Re- open the Fishery

Mary Cord

Louis Brisw - I support 19 Fishing

form all Cu I support the Hawaii Fisheries,

Chair Chang and Board of Land and Natural Resources,

Cisten to the Science and support our hobby!

Let the Science and support our hobby!

I support science based fisheries. Having these fish and others in my tank has been highly educational for me and many others.

Good Afternoon,

Plant Re open Hermit esing this Susamusic Lisberg - Very Innovement. thenh you

Please help the fisherys. We miss the fish, and famillys pepend on the

Reopen the Schery W/Science - Jason Puscque

Reopen the EISARY
OMAN MEDINA

GS Q MARINE ENTUSIEST AND PADI CERTIFIED, DIVER I WOULD LOVE TO HAVE THOUSE FISH SCIENTICALLY SUSTAINABLE WAY.

- WILL SHALER

RIGEL POCHEED Reopen firling

Please reopen the sustainable Hawaii fishesies! These fisheries have been very well controlled and monitors, they should of never been shut down.

-Melissa Mendez

I support the fishry! Lower Anaya

Reopen the Aquarinm Fishery now!

Michael Littleton

It's A Must

Re-epening the hewali fishery can be done sustainably and provide good jobs and epportunity to howers and the rest of the USA. David Distetane

Leopen for summe to research.

Many Singelinan Grand Toware, CA

Manage the figure by science Montans duan Chair Chang and Board of Land and Natural Resources,
Please Mc open west Wawaiiaguarian Esher/-Philipleten

I support scientific reveren of fish concernation. in Hawaii. Charles W. Mitsia

Reopen the fisheries in Hawaii.

Jedywan M

Want the run back over. Bolest modesta

Hawaiin Overnewal Fisheries are sustavable and needed to maintain the health and balone 6f The MCEF System. Dr. ws buch the science

Tracy Scot Ceaser, 6
Zone 5 F64 @ 6 mal 1. con

I support the sustanable Homerian Fisheries, I would like to see Kellon tand available in a swammable way. thank you,
Kamran Adlporvar
(949) 374-4699

Peopen the sustainable West Hauxiii fisheries!!!!

-Jim Sandefur

TANOS FOR 12 YEARS

Trenks Myour

I believe in the ocience and environmental reports! Please reopen the fisheries in West Hawaii.

Sincerely, Hollie Sandefor

I, Nick Cantlive, believe in science! Please re-open
the sustainable fisheries in hawaii. - Licalt.
- Nicholas cantlivre
8/6/23

I highly believe in the science and research that is completed by the sustainable fisheries in Hawaii. Please re-open these establishments.

- April Triplett

I Support Science based Research

E The substainable fishery in Hawaii

- Javal Bulu

.

· Nathan Char

Please listen to the science and open back the Hawaii Hatchery.

Please bring sustainable Hamaian fisheries banc! Prys Li

I support the sustainable fisheries in Hawaii! Reopen!!

From Debbie Delillo

Reopen the fishery, listen to the sciencer knd! Sarkessan

Feopen this fishery & listen to the ruena!

Monady the fisheres with Science

Sedus Low

Reopen fishery buse on science
Assola Tony Lee

Manage Fishery by science + indigenous knowledge
- Emily Lucas

I want the wild Yellow
Tangs back, which have been
Sustainably collected from
Hawaii!

From, Megan Eibarra Megan Liboreres

Listen to the science and reopen the AQ Fishery. Jue Tran

I support The Science; I support the Fisher'es

- Basil

Reopen the fishery -

Saltwater Aquarium. Com

Jason Glowacki,

Reopen the Fishery & Listento the Science!

Joshua Valuvi - Listens to the science

Listen to the science and reopen the fishery.

- MATTHEW CANTU

Safe, sostainable opening of the Fiskey is possible. Listen to the studies - MAAAA Kyle McAtee

Listen to the science Re-over AQ Fishery]!! - Rogulo DeDas

Listen to the science and reopen the fishery. - Matt Huisenga

Liston to the Science, reppen the fishery

- (I. Dimlpll...

Please re-open the very obviously sustainable fishery

- Nicholas Juarez

Please listen to the science and open the fishery.

Alex Constillo D

Hello, please support reopening the Hawaii Fisheries. Legislation should be in place to support local wildlife and businesses.

Sincerely,

Trevor Bellefeaille

reopen the fishery Luis Medina.

I support the fishery. - Susie buy

I Support the fishery - Juan Hutado

Chair Chang and Board Stuart Millar	d of Land and Na	tural Resource	s,		
I Support the For all Fish.	reopening	of the	Havaii.	n aqvarivm	Fishey

I support the science. Please Reopen the Fishery,

Shown Rodrigue

Chair Chang and Board of Land and Natural Resources,

I Support the Seme and Instrument Sich Sancher

Chair Chang and Board of Land and Natural Resources,

We need this Vital Resources to

Be here for generations to come

Let's All support those that do.

Woody

Once FRANCIE HAS, NOT ONLY RESIDENS ON THE ISLANDS, ALT FREQUENTS
THEM TO APPRECIATE THEIR NATURAL BEATY. MY APPRECIATION BEEN BY
ENCONDANCE THESE ANIMALS ON THE MAINLAND. THE REDECTIONS TO COME THE
FISHERIC , SUSTAINNEY AND REGINATED, WILL GIVE GENERATIONS TO COME THE
ABILITY TO SEE THESE ANIMALS, IN PERSON, WITHOUT TRAVELINE TO THE HAWAIIAN
ISLANDS. THE EXAMERE TO ANIMALS IS HOW WE INSARE STEWARDSHIP.

DEST AKGARIS

Chair Chang and Board of Land and Natural Resources,

I Support Fishery Mg mt

Reopen the Hawaii Ocean Fishery! Please! Mal

I support the MARINE collection industry

Danish Dours DAULA

Sham Raye Hundian classic Srchssic.com

7 SUPPORT THE SCIENCE AND FACTS

-IRVING CHAMU

Place Riopen For our agramin indicting

David Ngy

1 Support the Save the Hawaiian Fishery

Andy Han

flesse opn the fisher

Conbatt be wright

1 Support Science based Fishery management. Wendy Bauer

Chair Chang and Board of Land and Natural Resources,

I separat the fishery and the sevence behind it.

Stephen Wong

I support! <u>Reopenit!</u> - Alan Ruiz

I sopport the fishery and went to see it back open.

John Samell JOD Bry Meane support fishery

Thatcher Thatcher

I support science-besed management Jose Olivo

T Support the Science x Eigl Sauer

I support the aquarium fishery.

\* Off

Adam Samer

I support the service behind regioning the tavairand Fishery.

DAVID MENKR David K. blacke 08/16/23

I support reopening the AR, A believe the science supports the subminhibit of responsible forking for the again trade.

You'll Patroneer

DAVID PATRONELLY

drdp5@ gahoo. com

Chair Chang and Board of Land and Natural Resources

J. Support the Fishery

Mike Alcavaz

Chair Chang and Board of Land and Natural Resources,

I support responsible reef collecting.

N. zk Dekunghe

I sulvor + the science Share Phillips

I support the Science (west Hawaii Aquarium ) Stuffers Chair Chang and Board of Land and Natural Resources,

I Support the Industry July Sambio

I support the science + fishery. Lever Washington 2

I support the science based fisheries allowed to collect live animals & fish in Hawaii. Profested areas of non fishing are important while it should be allowed santioned collection areas for fisheries. A Balance between collection & protection is reasonable and fair while science based mon it oring of these areas is employed. Please allow monitored collection in Hawaii again, thank you,

David G. Granglianone.

REOPEN THE FISHERY PLEASE CLARIAN CONTRERAS

mossmy Com

Chair Chang and Board of Land and Natural Resources, USthan Remington 5000 the FSh

In order to know more about our sea and what we live around we must have science to learn it

Support the Science - STEVEN CONRAD

I support the reopening of the fishery

- Zego Laniac

I support the science and the studies.

Please reopen the fisheries.

Nick Kaneao

Chair Chang and Board of Land and Natural Resources,

Fandall Van Natta Sandall I Support the Lishery &

It would be greatly appreciated if the fishery would be open again From all the fact being stuted and backed with evidence it looks to me like the fish population are back and thriving.

Daniel Cervantes

8/6/23

I believe we should be focusing on science as a basis for making environmental decisions

Jose Rubio

Chair Chang and Board of Land and Natural Resources,

I Support the Hawaii agranium Fishey. Place

Report Importing Dypiring.

Askan Ocampa

Chair Chang and Board of Land and Natural Resources,
15 upport the Scence! Sticks Corals - Chartogram
Cheryl Taylor

| Support Opening the aguserme fishery

a my

support Aquonium Fishury

I support the Hawaii Aquerum fiebery - Jean Denarty

Chair Chang and Board of Land and Natural Resources,

And the West Housis Agus un Lisher States of the Manage of t

Hunchun Fishery

Suprest reopening.

Aleysy. Chair Chang and Board of Land and Natural Resources,

I Support the Howsour Agrain

I support reopening the Hawkii Runnium Fishery

I support A QUARIUM fishery

I support Respensing dispersions Michael Miniak

I support reopening this fishery

Danay Pinan

Men Ext T support reopening this fishery Abraham Estrada Chair Chang and Board of Land and Natural Resources,

Reopen the fishery

Christina Torres

I am a hobbiest and enjoy taking care of and learning about Hamaiim species. I support the Aquarium fisher,

1 support the Fishery

Markey

reopen the fishery

1 support the fishery

Marcison Prevding

Reopen the fisheries-Asupport West Howaii Aquarium Fishery. Keep the Fisheries Spen!!! Lynn Hogast

I support the Hawain Kisherics opening

AlEnriourz

I support than Fish reopening Only

I support the hawaii agnarism fishery Sophin

Support reopening the aquarium fishery!

The Secreta

1 Suplor Hamaiion Fishery

Saul Sanche

I support re-opening the quarter fishery.

Don Loveless Mall

I support the howarian fishery!

- David Hugustine!

I Support Re OPENING Hawaii Raymond Grillo Reet Creation's

Yasmin & Sal, We support the Hawayan Fishery.

Please reopen for Aa Langlez

I Support the Hawsian Ornamental Fisher

I support the Fishery Alla

I support re-opening WHAF Street Hayesel

	_	pard of Land and Natu	rai Resourc	es,	
gli	e River				
I	Sopor	Reopenies	The	wist	Havaii
	aarur				

I Support Re Fishing Enc ALVes

Liskn to the fishing III

+ ayou downtain

I smoror the Hawaiim

franz

I support this fishery

May

2 Support the Hawaii fishery.

I support the Hawaii fishing

Support the Daggins

Chair Chang and Board of Land and Natural Resources,

REOPEN FISHERY ASAP! DARYL

Lesten to science resper fishery - Se

Chair Chang and Board of Land and Natural Resources,	
CRAIS Lishtner	
I support reopenins	Pishecie's

I support the fishery
The Strong braso

I support sustainable Esh

I Support Sustainable fish

REOPEN THE FISHERY PLEASE CHMANUEL S.

reopen the fish please

-Zane



I support the Fisher in that vie, let's have it book again.

Support THE ScieNCE.

Ka: Samreth

Reopen the fishers

Chair Chang and Board of Land and Natural Resources,

Fishies V COOI | Velly Coccos

I support respects the forming and this endure I with the enduring the front to the first the first the first the first the first the agreement hopers.

\*

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the top of the support suspenses contented at

Chair (, hamp and Board of I and and Natural Resources,

KIDBI WILDER

Chair Spans and Board of I and and Natural Resources.

[Lowell Mendel 1 School 4 the Science and friunt Briching Nowline 2 2000 + the science and Briching Martinez I 2000 + the science and

I support sustainable fisheries!
- Srimal weerahannaddi

1 support sustainable fisheries- Reefsensei.

Yout the Kish beech

Mas Banks

Alease brug back the Ash we used to have.

I support science based fisheries

Fought subne bosed fishery.

wash and mogoss -

Chair Chang and Board of Land and Natural Resources, South Minds | Deober the fish hater !!!

Substanibly cellecting Orphum enths is funds for for the aquatum trube, helps provid funds for Breading Projets and tala account of fish enses stock,

Walzn: Waltu

Chair Chang and List Actor I

I have be blues him bull

I support Science based Fisher

· Carterial.

Mpp424 +0:119

harvesting it done sustainably. Chair Chang and Board of Land and Natural Resources,

holl you

treggue

Subne bosed

I supert sustainable Fisheryz - Coletizenhour

I suprot treopening of fishery
Aboutsand Petrosyan.

I support re-opening the west Hawaii aquain fishery Bring back wild yellow tangs Please!! - Andrew Deid

I support re-opening the West Huwaii Aquarium Fishery! Buran Comy

Please re-open the fisher Christopher Gamboa

her, I support the reopening

of the fishery

-Max

I s-popur 1 le Fislery

Steven D.c.C SDICK19746 GMAIL.om

Chair Chang and Board of Land and Natural Resources,				
Dsupport	T Reef.	A ce	•	bay.

REDORN THIS FISHERY CARLOS BRISEND AL

I rull / Support systamable fishing

Please reopen the fisheries. I support sustainable fishing.

David Dalonte

I support science and sustainability! Reopen the Hawaii fisheries and licenses!

> Sincerely, Cynthia Delillo

Support science assed management. Please
Re-open the fisheries.

Mulity
Tyrone Christy

I Support Scrence band fisher

Theetor Serrano

I SUPPORT THE SCIENCE BASED FISHERY

heich UT KEITH COX

Please Ado Re oper the Folory.
We have all heard tales from Despect
Sicritist Such as Relat talbot who have
Stand will Not impact the Environment.
Chis Schmitt

Wichel Ehrl - I SUPPORT The fish Gry

I support Science backer fisheries focused on sustainable Practices and ideas in growing and preserving natural environment.

-David Marorga

I support the fisheries

Almi Munt

I support science based Management

I Support the Aquanium fishery.

Solomo Francisco Morano

Shah Please reopen the hawaiin fishing - Shahals y.

Please Ropen the Fighery.

Edward bileze Kohian

Chair Chang and Board of Land and Natural Resources,
Please open the fishery trade,—Isacc Barrisa
Brins is as basis to those who amore Samiga
lort them and help with more resserch.

Joseph Daniel

I will love to see the Hawaii Fishery Open. Yellow Tangs should be availed to anyone who cave's about the Fishery. It will holp people from Hawaii. Please Re-Open Fishery, Thank You.

Nick Orteges

PLEASE REOPEN THE FISHERY
WE SUPPORT THE SCHENCE BASED
MANTGEMENT FOR OUR HOBBY.

SICION ASSECTIV.

I whole heartely believe in the environmenta benefits of the margament of Fish. I have researched and read papers and believe the land permits should be granted inorder to reestablish thre population in their cure.

John Worthington

Chair Chang and Board of Land and Natural Resources,

Please reopen the fishery aquarinm in Hawaii. It's

Sustainable. It's ethical. It's needed by

hardworking families.

Daniel Bannister

I support sustainable fishery: Please
open it up!!
Armando G.

I support sistemable tishery mangament please Please Please Please Please Please Please

Chair Chang and Board of Land and Natural Resources,

T Support the well regulated tishing Industry

in Harain, Its a sustainable tishing and it

should be reoperade

David Dotwin

I support the Hamaiian Agnarian Fishery.

G. Kennedy

I Support the Hawaiian Fishery and would like the ben to be lifted so we can ensuy the hobby I Love. The ban has caused prices to sky rocket.

Chal um

I Support Science-based Fisheries, Please reopen aguarium
Fisheries.

X Jamathan See Johnthan Lee 8/5/23

I support sustainable racting and Fish kapping. I believe in the work that the West Haveili Aquarium Fishery is derive.

Bon Burgett

I SUPPORT SCIENCE BASED RESEARCH RESOURSE MANAGEMEN.

PAUL SALLAS

I support WH aquarium fishery

I SUPPORT SUSTAINABLE FISHERIES. PLEASIE
REOPEN AGUARIUM FISHERIES.

CHARLES SCHMISERT

The quarium Fishuary would be AMUZING to have Report Plase.

MANA

Immorvell vita

I support Science Basked Fishery management.
Please reopen aquarium Fishery.

L-L

I Support the Aquarium/coral Industry

Dayle Un 24/1 e An 8/5/23

Fleuse open the aguarium fishert timen clark

I support science based fisheries, Coral exportation to preserve senatic samples. Reopen!

John P. Photich

I support science based and well manged his heries. Through proper monitoring and Idlaboration, an environmetally sound balance can be achieved. Tooth nature and economy can work together to support a long term and sustainable practice. Without Hauri has an apportunity to be a global leader in amendogical as science based fishery practice. Through collaboration, black market practice can be eliminated and supporting fishery management matice that benefits the environment and the economy.

Sweely, Dustyre Beavers

Chair Chang and Board of Land and Natural Resources,									
(	SUPPORT	REOPENING THE	HAWAII	AGUARIUM	- (SHER				
		BEN Ras							
	BENJAM	MINTROSE GMAI	L. Com						

,

FISHERY

MARK ODINOZER

HOSEOFTROYOFS DEMAIL.

Michael Funtes I support Aq

1 support reopening the Fishery

Futh Hernandez

Chair Chang and Board of Land and Natural Resources, .

I support the West Hawaii aquarium prishery.

Allgriche

I SUPPORT THE WEST HAWAII AQUARIUM FISHERY

J-Jeh

I support the west Hawaii Aquarium Ashery

Support the west Hawaii Aquarium Fishery.
Amarda Aguilar.

Langer X Levery James Ja

Kith The t. Som Hamily 3 Sych Was.

MedAUM RE-OPEN THE FISHERY!

Chair Chang and Board of Land and Natural Resources,

Reopening the Hawaii fisheries

15 extremely important! Listen

to the ocience. The Hawaii

fisheries are and have been

very sustainable.

Sincerely, Sula Amith

Dear Mean People,

Please bring back my favorite
fish the yellow Tang. I vow
to clean up the beach quarterly if
you allow permitting, he hope
to See these fish back this
year. Thank you for your works
in assistance.

Patrick Cal

SCIENSE SPEAKS FOR 175ELF
RE OPEN THE MINHERY!

Chair Chang and Board of Land and Nat	ural Resources		
Chair Chang and Board of Land and Nat Support the reoper	ling of	Fisheries	
m			•
Regen Hu Hawaii!	Fi51	Uries	
Jake Sander	CV		

Hello,

Hanaii aquarion Fishers, we cauce they employ a proven, science-based solution for earing the Gut reef,

Richard Sands

I support science based fisheries, Coral exportation to preserve senatic samples. Reopen!

John P. Photich

I support science based and well manged his heries. Through proper monitoring and Idlaboration, an environmetally sound balance can be achieved. Tooth nature and economy can work together to support a long term and sustainable practice. Without Hauri has an apportunity to be a global leader in amendogical as science based fishery practice. Through collaboration, black market practice can be eliminated and supporting fishery management matice that benefits the environment and the economy.

Sweely, Dustyre Beavers

Chair Chang and Board of Land and Natural Resources,									
(	SUPPORT	REOPENING THE	HAWAII	AGUARIUM	- (SHER				
		BEN Ras							
	BENJAM	MINTROSE GMAI	L. Com						

,

FISHERY

MARK ODINOZER

HOSEOFTROYOFS DEMAIL.

Michael Funtes I support Aq

1 support reopening the Fishery

Futh Hernandez

Chair Chang and Board of Land and Natural Resources, .

I support the West Hawaii aquarium prishery.

Allgriche

I SUPPORT THE WEST HAWAII AQUARIUM FISHERY

J-Jeh

I support the west Hawaii Aquarium Ashery

Support the west Hawaii Aquarium Fishery.
Amarda Aguilar.

Langer X Levery James Ja

Kith The t. Som Hamily 3 Sych Was.

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15 extremely important! Listen

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fisheries are and have been

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year. Thank you for your works
in assistance.

Patrick Cal

SCIENSE SPEAKS FOR 175ELF
RE OPEN THE MINHERY!

Chair Chang and Board of Support the	Land and Natural Res	ources,		
or bloom who	reopening	OF	fisheries	
fn/	,	0 (	Concres	•
	1			
Regen Hawaii!	Clly	$\bigcirc$	1	
	TUL	15	heries	
Hawaii!				
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	. 100 ( 0 /			

Hello

Hanaii aquarion Fishers, we cauce they employ a proven, science-based solution for earing the Gut reef,

Richard Sands



# HAWAIIANS SUPPORT SUSTAINABLE FISH COLLECTION

## **Executive Summary**

Animal rights and environmental extremists are lobbying and litigating to try to ban the collection of fish for home aquariums from the waters of Hawaii. However, Hawaiians overwhelmingly reject a ban on fish collection, instead preferring regulators permit sustainable collection of fish.

## **POLLING: NOVEMBER 2023**

**Question 1:** Are you aware of the debate about collection of tropical fish offshore of Hawaii for home aquariums?

	Total Pct
1. Yes	47%
2. No	53%
TOTAL	100.00%

**Question 2:** Hawaii generally practices 'sustainable use' of natural resources. This means the government regulates harvesting of natural resources so that not too much is taken and the resource has time to recover. This allows for continued harvesting over time and saves the jobs and income it provides to Hawaii residents. Do you generally agree or disagree with the idea of sustainable use?

	Total Pct
1. Agree	96%
2. Disagree	4%
TOTAL	100.00%

**Question 3:** Some animal rights activists want Hawaii to completely ban the collection of fish for home aquariums. They claim this practice is harmful to the environment. However, marine scientists with the University of Hawaii and National Oceanic and Atmospheric Administration point to data showing that the fish populations have been growing for many years while collection has occurred. They conclude that fish collection is sustainable in Hawaii. Who do you think has more credibility in this debate?

	Total Pct
1. Marine scientists	72%
2. Animal rights activists	13%
3. Don't know	15%
TOTAL	100.00%

#### **Question 4:** Which best describes your point of view?

	Total Pct
1. Hawaii should allow sustainable collection of fish	73%
2. Hawaii should prohibit all collection of fish	17%
3. Don't know	10%
TOTAL	100.00%

**Question 5:** Do you believe regulators such as the Board of Land and Natural Resources should be managing resources based on science, or prohibiting sustainable resource usage based on the opinions of special interest groups?

	Total Pct
1. Manage resources in a science-based way	78%
2. Prohibiting resource usage because of special interest groups	7%
3. Don't know	15%
TOTAL	100.00%

# **POLLING: JULY 2023**

**Question 1:** Hawaii generally practices "sustainable use" of natural resources. This means the government adopts regulations to ensure that whatever is taken can be replenished, to allow for continued use over time. Do you agree or disagree with sustainable use?

	Total Pct
1. Agree	93.86%
2. Disagree	6.14%
TOTAL	100.00%

**Question 2:** Some activists want Hawaii to ban the collection of fish for home aquariums. They claim this practice is harmful to the environment. However, marine scientists point to data showing that the fish populations have been growing for many years while collection has occurred. Existing regulations also establish many protected areas where fish can breed and cannot be collected. Based on this information, what best describes your point of view?

	Total Pct
1. Fish collection should be allowed if it is done sustainably	79.42%
2. Fish collection should be banned	20.58%
TOTAL	100.00%

# **POLLING: FEBRUARY 2023**

**Question 1:** Hawaii generally practices "sustainable use" of natural resources. This means the government adopts regulations to ensure that whatever is taken can be replenished, to allow for continued use over time. Do you agree or disagree with sustainable use?

	Total Pct
1. Agree	92.57%
2. Disagree	7.43%
TOTAL	100.00%

**Question 2:** There is a debate in Hawaii over the collection of fish for home aquariums. Have you seen anything about this? Select all that apply.

	Total Pct
1. Yes, on social media like Facebook and Twitter	28.00%
2. Yes, on TV news	28.86%
3. Yes, in the newspaper	14.29%
4. No	48.29%
TOTAL	100.00%

**Question 3:** Some activists want Hawaii to ban the collection of fish for home aquariums. They claim this practice is harmful to the environment. However, marine scientists point to data showing that the fish populations have been growing for many years while collection has occurred. Existing regulations also establish many protected areas where fish can breed and cannot be collected. Based on this information, what best describes your point of view?

	Total Pct
1. Fish collection should be allowed if it is done sustainably	85.14%
2. Fish collection should be banned	14.86%
TOTAL	100.00%

**Question 4:** Hawaii has banned the collection of live fish for home aquariums in some areas. However, in those same areas, fishermen can still catch and kill the same species of food. Which describes your point of view?

	Total Pct
1. Both should be allowed, if practiced sustainably	69.71%
2. Live catching should be allowed, but not catching for food	5.43%
3. Catching for food should be allowed, but not catching live fish	18.86%
4. Both should be banned	6.00%
TOTAL	100.00%

 From:
 Glenn Heyman

 To:
 DLNR.BLNR.Testimony

Subject: [EXTERNAL] Opposition to Issuing AQ Permits & Opposition to Delegating Authority to Department Chair

**Date:** Thursday, August 22, 2024 8:44:25 PM

#### Aloha,

This is sent regarding Terms & Conditions to Issue West Hawai'i AQ permits. Our apologies for sending this in late, but hope it is included as a community comment.

I live at 69-1925 Puako Beach Dr. There has been a lot of recent research and information regarding the declining health of the Puako reef. The symbiosis between the reef coral and reef fish is clear. It is our experience that the overall reef fish population has declined with the health of the coral. This is NOT the time to stress this sensitive ecosystem any more than it has already been stressed. The coral reef will take years to recover and there is no convincing scientific support for harvesting reef fish before the coral reef is sufficiently healthy. I request you reject DAR's AQ Terms and Conditions and deny any and ALL permits.

Regarding Delegating Authority to Issue AQ Permits to the Department Chair, please do NOT delegate authority to the one person. Please retain the discretionary authority with the Board who will continue to utilize their diverse island communities, specialize knowledge, and expertise to weigh in and make informed decisions together.

Mahalo for this opportunity, Oscar Glenn Heyman 69-1925 Puako Beach Dr, Moku o Keawe From: <u>Micaela Hogger</u>
To: <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] August 23 Agenda Item F.1

Date: Thursday, August 22, 2024 9:25:40 PM

#### Aloha kākou,

It is evident that Maui county lies within a fragile ecosystem that supports all of us who are fortunate enough to reside here.

Our reefs provide not just the surf and snorkelling many of us love, but also supply food and create a critical buffers that protect our shorelines. The ecosystem services provided by Hawai'i's reefs have an estimated value of 33.57 billion dollars annually to Hawai'i according to NOAA.

Thus, it is of utmost importance we protect them. These reefs rely on a delicate balance of herbivore and predator fish to stay intact.

While I fully support fishing for sustenance, I also support the take only what you need motto. The aquarium trade threatens this. A large majority of fish species are able to be bred in captivity, so why a need to take from the wild? Furthermore, I have concerns about how the legal catch quantities would regulated. A study by Brian Tissot showed a 38-97% reduction in populations at collector sites in Kona in seven out of the 10 species of fish studied. Highlighting the severe impact the aquarium trade has had within Hawai'i in the past. Lastly, the aquarium trade often uses harmful practices—such as the use of cyanide in collecting, and breaking of branching coral when collecting fish. Given the strong long term economic and environmental benefits of our reefs here in Hawai'i, it is imperative we protect them over short term and non-local economic gains.

Mahalo for your consideration of this testimony.

# KAHELE

Dear,

Members of the Board of Land & Natural Resources

Thank you for allowing me to write my testimony, today I write before you a testimony against permitting access to the Aquarium Fisheries Trade Industry (Agenda Item F-1) in utilizing West Hawai'i to sustainably harvest fish for their own profiteering in their industry. These fish are many peoples including my family's food and way of life. I'm sure many of you know and are aware of the declining fish populations in the region of West Hawai'i, recovery time for the species listed in the permits is quite a long time species like the Kole (goldring surgeonfish) and the Hinalea I'iwi (Bird Wrasse) both bear cultural and food significance to the people of West Hawai'i other species like the Lauipala (Yellow Tang), Potters Angelfish, and surgeonfishes help with maintaining the reefs insuring a healthy and clean coral abundant environment for the rest of fish in the sea. By removing them is like playing an extremely dangerous game of Jenga. "One block and the whole tower falls." I strongly suggest that if we are to preserve these fish for our future generations and to help maintain our cultural aspect we should completely ban the Aquarium Trade in West Hawai'i, not only is taking the fish and profiting off of it unacceptable but think of the people and families that depend on these fish to help feed their families nowadays that the economy is suffering. More of our families are starting to turn back to living a sustainable nomadic lifestyle benefiting from the sea and the land. By reintroducing the Aquarium industry back into the Westside of the island only impacts the reef and its environment more negatively jeopardizing our families that depend on these fish for food. Only means that they have to compete more. Which will ultimately affect fish populations overall. Furthermore I want to deeply express my concerns for DAR's proposal on wanting to remove the BLNRs oversight of the Aquarium trade and giving sole (AQ) permitting authority to the BLNR Chairperson neglecting the people and their voice on the matter. Is this not a state that is supposed to work for the people? Must I remind you that the institution that you all sit on the board to govern is all funded by taxpayer money. I urge the Board to please reconsider permitting the AQ trade on allowing them to access West Hawai'i and to also reconsider DARs proposal.

Sincerely,

Taha'a H. Kahele



Board of Land and Natural Resources State of Hawai'i Honolulu, Hawai'i

August 23, 2024

My name is Kai Kahele, and I am a native Hawaiian of Miloli'i, South Kona. Having deep connections to the West Hawai'i fishery, I would like to express my strong opposition to the issuance of commercial aquarium permits in West Hawai'i, as well as the delegation of authority to the Departments Chair to Approve, Sign and Issue Aquarium Fish Permits.

Opposition to the Terms & Conditions to Issue West Hawai'i Aquarium Permits
I respectfully request that the Board reject the Department of Aquatic Resources' (DAR)
terms and conditions for issuing West Hawai'i aquarium permits. The vibrant reef
ecosystems of West Hawai'i are a sacred part of our natural heritage and essential to the
health of our environment. I speak not only from my personal experience as a resident, but
from the 'ike (knowledge) of my ancestors who taught me that we, as stewards of the land
and sea, have a responsibility to protect and preserve these resources for future
generations. Our reefs are already under immense pressure due to climate change,
pollution, and other environmental stresses. The removal of fish for the commercial
aquarium trade further threatens the fragile balance of these ecosystems. These fish are
not just colorful adornments for aquariums; they are vital to the health of the reef. To
continue permitting this destructive practice would be a grave disservice to both the
environment and the people of Hawai'i who rely on these ecosystems for sustenance,
cultural practice, and spiritual connection. Simply put: We do not want this. Our reefs
cannot afford this. Let the fish remain where they belong—on our reefs in Hawai'i.

#### Opposition to Delegating Authority to the Department Chair

I also strongly urge the Board to retain its discretionary authority in the matter of issuing aquarium permits, rather than delegating this responsibility to the Department Chair. The Board's composition reflects the diverse knowledge, expertise, and perspectives of our island communities. This collective wisdom is critical when making decisions that impact our natural resources. Allowing the Board to continue weighing in on these matters ensures that decisions are made with full consideration of the cultural, environmental, and scientific perspectives needed to protect Hawai'i's unique ecosystems. Delegating this authority would centralize decision-making in a way that limits the valuable input from those most directly affected by these decisions. As a resident of Hawai'i Island, I trust that the Board, in its current structure, will continue to stand as a guardian of our natural resources, ensuring that the voices of those who live closest to the land and ocean are heard. Mahalo nui loa for your time and consideration in this matter.

Hau'oli Ka Mana'o,

The Honorable Kaiali'i Kahele Member of Congress (2021-2023)

My name is Kaimi Kaupiko of Milolii. I am kupa'aina of West Hawai'i, especially hoa'āina of Milolii, Kona Hema.

I OPPOSE issuing commercial aquarium permits in West Hawai'i and I OPPOSE delegating authority to the Department Chair. I am testifying today and asking you to ban any aquarium collection PERMANENTLY in Hawai'i.

We live in a time when all herbivore species are in a degraded state of mass decline—a CRISIS. The request by the pet industry is not sustainable and would continue the decline of our reef fish, which serve a vital role.

Our herbivore species perform a critical function on our coral that we, as humans, cannot be a substitute for. We need all reef species in abundance for more than just food. We need them in vast numbers to increase coral resilience and stabilize our ocean ecosystems.

The tipping point for a coral collapse is near. We must remember that a healthy ecosystem plays a crucial role in the production of photosynthesizing algae, such as phytoplankton. These organisms are responsible for producing up to 70% of oxygen in the air. That is every other breath we take, no matter where we live.

The increased opposition from outside Hawai'i should NOT DISTRACT BLNR from making a regenerative decision. We cannot continue to degrade our natural resources further and continue to break our Hawai'i State Constitution for Native Hawaiian Traditional and Customary Rights.

We lack a healthy symbiotic relationship on our coral reef; therefore, drastic measures to protect them are necessary.

Regarding Terms & Conditions to Issue West Hawai'i AQ permits, I request you reject DAR's AQ Terms and Conditions and deny any and all permits. Our Ohana have seen the destruction of this industry throughout our lifetime and witness reefs and corals being destroyed and many reef fish have died during the process of collection Many of these collectors do not follow the protocol of the FRA'a and have gone rouge and have been able to get away without any prosecution or fines.

Regarding Delegating Authority to Issue AQ Permits to the Department Chair, do not delegate authority to the Department Chair. Retain the discretionary authority with the Board who will continue to utilize their diverse island communities, specialize knowledge, and expertise to weigh in and make informed decisions together.

Mahalo for this opportunity,

Kaimi Kaupiko

Milolii – Ahupu'a, Moku o Keawe

From: <u>Hideki Kimukai</u>
To: <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] F-1 OPPOSE Terms & Conditions to Issue AQ Permits & OPPOSE Delegating Authority to Department

Chair

**Date:** Friday, August 23, 2024 9:17:34 AM

Aloha Chair and Board of Land and Natural Resources.

My name is Hieki Kimukai from Oʻahu.

I OPPOSE issuing commercial aquarium permits in West Hawai'i and I OPPOSE delegating authority to the Department Chair.

I have been working for Sustainable Coastlines Hawai'i to witness firsthand the aftermath of the fishing industry and how they treat our ocean and coastlines.

From overfishing/exploitation of our fragile ecosystems to contaminating and harming our ocean with synthetic chemicals.

Regarding Terms & Conditions to Issue West Hawai'i AQ permits, I request you reject DAR's AQ Terms and Conditions and deny any and all permits.

The health of our community depends on the health of our coastlines which depends on the balance of the ecosystem which is already suffering from exploitative decisions without the generational knowledge of the community's inputs.

Regarding Delegating Authority to Issue AQ Permits to the Department Chair, do not delegate authority to the Department Chair. Retain the discretionary authority with the Board who will continue to utilize their diverse island communities, specialize knowledge, and expertise to weigh in and make informed decisions together.

Mahalo nui for working for and supporting Hawai'i. Best regards,

Hideki Kimukai (来迎秀紀) Global Educator/国際講師 Sustainable Coastlines Hawaii

3160 Waialae Ave Suite 120 Honolulu HI 96816

Tel: +1 (321) 750-3907

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My name is Rufus Kimura. I was born and raised on the Island of Molokai and moved to Waianae, Oahu when I was 8. My father was a teacher at both Waianae and Nanakuli High School who supplemented his teacher's salary by diving for aquarium fish on the weekends. From an early age he passed on the skills of diving, animal husbandry and ocean safety to me.

The Westside of Oahu is a challenging environment for many, and as recent news headlines remind us – a place wracked with gun violence, poverty, rampant drug use and homelessness. Diving provided me with an outlet and a pathway out of the negative life cycle that many of my friends and classmates fell into. The opportunities that collecting aquarium fish have provided for me were multi-tiered.

Every day after school, I would wade the tidepools and snorkel the shoreline collecting a few specimens that I would then deliver to a local buyer that lived near our home in Waianae Valley. This simple hustle filled me with purpose and allowed me to earn enough tuition money to eventually graduate from both Leeward Community College and the Albertson College of Idaho.

After college, I joined the Honolulu Fire Department as a Search and Rescue Specialist – building upon the SCUBA and ocean awareness skills that diving for aquarium fish had taught me. Over the next 20+ years I remained in Waianae and built up a tropical fish import/export company that at any given time directly provided employment for 6-10 divers/fish-packers (majority from Waianae).

As we have all become painfully aware, the locals are being priced out of paradise. When the State of Hawaii banned the commercial take of aquarium fish it affected me greatly. Without the supplemental income that aquarium fishing had provided for the past 35 years, I was forced to shut down my business and my employees and divers were suddenly without a job. With the tropical fish industry shuttered by the State's unwillingness to validate collection permits I put my home up for sale, resigned from the Fire Department and moved to Alaska to pursue commercial fishing.

Although there is a lot of contention surrounding the issue of collecting aquarium fish in Hawaii, there are pathways forward. From my time spent in the Alaskan fisheries I have learned that a finite resource can be shared in an equitable and sustainable manner among a wide range of user groups with proper science-based management. For example, the State of Alaska's most iconic fish is the King Salmon. Since salmon return to their natal streams or place of birth, their annual numbers can be counted with high accuracy. For 2024, the State of Alaska estimates a return of 207,150 King Salmon. Through proper management, every year the Alaskan Department of Fish and Game divides this resource between a myriad of user groups including (but not limited to) set-netters, purse seiners, hand-trollers/power-trollers, the Canadian commercial fleet, gill-netters, sportfishermen, subsistence fishermen and First-Nation native peoples.

If Alaska can manage their natural fishery resources via a tax-funded state agency, then Hawaii should be able to do the same. Proper resource management is not a mystery – when done properly it allows all user groups to share in a natural resource that can benefit everyone.

From: Alex Kreuzer

To: <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] Agenda Item F1 Support

Date: Friday, August 23, 2024 2:28:56 AM

I support opening the aquarium fishery and managing resources by science provided by DAR

From: Frank

To: DLNR.BLNR.Testimony
Subject: [EXTERNAL] Agenda Item F1
Date: Friday, August 23, 2024 2:52:13 PM

I support opening the aquarium fishery and I support managing resources by science provided by DAR.

Aquaculture biota yellow tangs are nice but doesn't compare to original beautiful Yellow Tangs from Hawaii.

Frank Luna



Testimony to the Department of Land and Natural Resources Board Friday, August 23, 2024 – 9:00 AM DLNR Boardroom, Kalanimoku Bldg. 1151 Punchbowl Street, 1st Floor

\*\*Re: Opposition to Agenda Item F-1: Aquarium Fish Permits in West Hawai'i\*\*

Aloha Chair and Members of the Board,

'Apoākea: Native Hawaiian Innovation Institute, is a Native Hawaiian-led 501(c)(3) non-profit organization dedicated to addressing the root causes of disproportionality and disparity affecting socially disadvantaged and underserved communities. We **STRONGLY OPPOSE** <u>Agenda Item F-1</u>. This item seeks approval for issuing permits for commercial aquarium fish collection in the West Hawai'i Regional Fishery Management Area (WHRFMA), as well as the delegation of authority to the Chair to approve, sign, and issue these permits.

The proposed issuance of permits for the collection of aquatic species for the aquarium industry poses significant threats to the health and balance of Hawai'i's marine ecosystems. Extracting these species from their natural habitats disrupts the delicate balance of our ocean's ecosystems, leading to a cascading effect that harms not only the targeted species but also the broader marine environment. Overfishing for the aquarium trade contributes to the depletion of fish populations, which can lead to the degradation of coral reefs, as many of these species play crucial roles in maintaining the health of reef ecosystems.

Moreover, the aquarium industry's reliance on wild-caught fish contradicts the traditional cultural values that have long guided Native Hawaiian fishing practices. Our ancestors understood the importance of mālama 'āina (caring for the natural environment) and implemented regulations on fishing seasons and catch sizes to ensure the sustainability of resources for future generations. These



values do not differentiate between fish caught for food and those taken for ornamental purposes. All species, whether deemed ornamental or otherwise, are integral to the ecosystem and deserve the same respect and protection.

Approving permits for the commercial collection of aquarium fish disregards these cultural values and endangers the natural heritage that we, as Native Hawaiians, are committed to preserving. The aquarium industry should instead be encouraged to transition towards sustainable aquaculture practices, where fish are bred in controlled environments, reducing the pressure on wild populations and allowing ecosystems to thrive.

Furthermore, the delegation of authority to a single individual to approve these permits raises concerns about transparency and accountability in decision-making processes that have far-reaching consequences for our environment. Such decisions should be made with the utmost scrutiny, involving a collective approach that considers the input of all stakeholders, including the Native Hawaiian community.

In conclusion, we urge the Board to <u>reject</u> Agenda Item F-1 in its entirety. We must prioritize the preservation of our marine ecosystems and cultural values over the commercial interests of the aquarium trade. By doing so, we ensure that future generations will have the opportunity to experience and appreciate the rich marine life that is unique to Hawai'i, in its natural environment.

Mahalo for the opportunity to provide testimony on this important issue.

Me ka ha'aha'a,

Māhealani Traub Associate Director

'Apoākea: Infinite Reach, Native Hawaiian Innovation Institute

From: Zuli Majeed

To:

DLNR.BLNR.Testimony [EXTERNAL] August 23; Agenda Item F.1 Subject: Date: Friday, August 23, 2024 1:31:27 AM

Please oppose DAR's proposal to reopen West Hawai'i's reefs for commercial aquarium collection.

Sent from my iPhone

From: Thomas McKinley
To: DLNR.BLNR.Testimony

Subject: [EXTERNAL] Agenda Item F1 support Date: Thursday, August 22, 2024 5:50:48 PM

Hello,

I support opening the aquarium fishery and managing resources by science provided by DAR.

Respectfully,

Thomas McKinley US Citizen

 From:
 Micaela Hogger

 To:
 Micaela Hogger

 Cc:
 DLNR.BLNR.Testimony

Subject: [EXTERNAL] Re: August 23 Agenda Item F.1

Date: Thursday, August 22, 2024 9:30:08 PM

Aloha kākou,

I am writing in opposition of DAR's agenda item F.1 to open up West Maui to the Aquarium trade.

It is evident that Maui county lies within a fragile ecosystem that supports all of us who are fortunate enough to reside here.

Our reefs provide not just the surf and snorkelling many of us love, but also supply food and create a critical buffers that protect our shorelines. The ecosystem services provided by Hawai'i's reefs have an estimated value of 33.57 billion dollars annually to Hawai'i according to NOAA.

Thus, it is of utmost importance we protect them. These reefs rely on a delicate balance of herbivore and predator fish to stay intact.

While I fully support fishing for sustenance, I also support the take only what you need motto. The aquarium trade threatens this. A large majority of fish species are able to be bred in captivity, so why a need to take from the wild? Furthermore, I have concerns about how the legal catch quantities would regulated. A study by Brian Tissot showed a 38-97% reduction in populations at collector sites in Kona in seven out of the 10 species of fish studied. Highlighting the severe impact the aquarium trade has had within Hawai'i in the past. Lastly, the aquarium trade often uses harmful practices—such as the use of cyanide in collecting, and breaking of branching coral when collecting fish. Given the strong long term economic and environmental benefits of our reefs here in Hawai'i, it is imperative we protect them over short term and non-local economic gains.

Mahalo for your consideration of this testimony.

Sent from my iPhone

On Aug 22, 2024, at 9:25 PM, Micaela Hogger <micaelahogger@gmail.com>wrote:

It is evident that Maui county lies within a fragile ecosystem that supports all of us who are fortunate enough to reside here.

Our reefs provide not just the surf and snorkelling many of us love, but also supply food and create a critical buffers that protect our shorelines. The ecosystem services provided by Hawai'i's reefs have an estimated value of 33.57 billion dollars annually to Hawai'i according to NOAA.

Thus, it is of utmost importance we protect them. These reefs rely on a delicate balance of herbivore and predator fish to stay intact.

While I fully support fishing for sustenance, I also support the take only what you need motto. The aquarium trade threatens this. A large majority of fish species are able to be bred in captivity, so why a need to take from the wild? Furthermore, I have concerns about how the legal catch quantities would regulated. A study by Brian Tissot showed a 38-97% reduction in populations at collector sites in Kona in seven out of the 10 species of fish studied. Highlighting the severe impact the aquarium trade has had within Hawai'i in the past. Lastly, the aquarium trade often uses harmful practices— such as the use of cyanide in collecting, and breaking of branching coral when collecting fish. Given the strong long term economic and environmental benefits of our reefs here in Hawai'i, it is imperative we protect them over short term and non-local economic gains.

Mahalo for your consideration of this testimony.

From: WhiteSage Morningstar
To: DLNR.BLNR.Testimony

Subject: [EXTERNAL] Agenda item F1 support Date: Thursday, August 22, 2024 6:22:23 PM

#### To Whom It May Concern,

I am writing to express my firm support for local and native businesses that contribute to the sustainability and economic well-being of our communities. These businesses, rooted in tradition and local knowledge, play an essential role in preserving our culture, environment, and livelihoods. I believe it is crucial that we prioritize and protect these enterprises, which are often overshadowed by large corporate companies seeking to monopolize our natural and native resources. While I fully support sustainable practices and appropriate regulations that ensure the health of our ecosystems, I do not support the complete ban on local fisheries. These restrictions disproportionately affect local businesses and families who have responsibly harvested these resources for generations. The blanket bans allow corporate entities, often less connected to the land and its needs, to exploit loopholes and continue their operations at the expense of the very communities they claim to help. I advocate for a more balanced approach —one that involves protecting our natural resources while also empowering local fishers and businesses to continue their work under fair and sustainable regulations. By working together, we can ensure the long-term health of our ecosystems without sacrificing the livelihoods of those who depend on them. I urge you to reconsider the current policies and work towards solutions that respect the rights and traditions of local fishers while maintaining the necessary oversight to protect our environment. Thank you for your attention to this important matter. Sincerely,

Sage Morningstar

Board of Land and Natural Resources Department of Aquatic Resources 1151 Punchbowl St., Room 330 Honolulu, Hawai'i 96813

Date: August 22, 2024

Re: Testimony in Opposition for Agenda item F1: Request for Approval of the Application Form and Terms and Conditions for the State of Hawai'i Aquarium Fish Permit Pursuant to Hawaii Revised Statutes Section 188-31

Aloha my name is Kaikea Nakachi from Moku 'o Keawe and I strongly **OPPOSE** the request for approval of the application form and terms and conditions for the state of Hawai'i aquarium fish permit.

I want to start out by first thanking the board and expressing my gratitude for the board thinking of people like myself who did not know about and therefore did not provide testimony on August 9th for item F1: SAP for the pelagic collection of marine life for Monterey Bay Aquarium. I am hopeful to see the board support the need for community engagement and for their steadfastness in holding that applicant responsible.

I humbly ask that the board continue in the same capacity to hold DAR responsible. I believe the best way forward for Hawai'i and its resources is for no AQ collection to occur. I kako'o the sentiment shared on August 9th by board member Kaiwi Yoon on being "against personal aquariums" and am against a permit system to catch hundreds of thousands of fish for personal aquariums. We have seen the greed of even a small handful of collectors taking enormous amount of fish, sometime illegally. We cannot award that bad behavior and we cannot allow legal channels for that greed to continue. We must end this trade, and instead task DLNR with enforcing the proposed ban that the board supported in Dec 2023.

Just like the August 9th meeting, any educational institution may apply for an SAP for collection. If the applicant properly interacts with the community and can defend their collection to not impact native practices and resourses, then it would allow a small number of fish to be collected for educational purposes. I support that avenue. I do not support a permit to allow wide spread collection that I know DLNR and DOCARE will not be able to police. The only way to police AQ collection is if commercial collection is banned, and officers can more easily enforce any collection occurring or fish being trafficked.

I am particularly disturbed with DAR asking for the shortcut of delegating decision-making power solely to the chair. I hope you are as offended as I am to think such a dangerous and impactful industry would circumvent your authority. I am proud to see how the board has stood with our communities in protecting our treasured i'a in the past, and know that we will not stand for these various harmful actions proposed by DAR.

I was dismayed to see the weakening of the herbivore rule package allowing for commercial carveouts. We cannot allow any more commercial interests to supercede our cultural and

ecological needs in Hawai'i. If this permit system is allowed we will only succeed in lining the wallets of a hanfdul of collectors and the foreign hobbyists in the industry, while harming ourselves. I write this testimony while watching several hurricanes form in the pacific and after the hottest July ever on record. In the face of climate change and serious threats to coral reefs and the fish that utilize that habitat, we cannot afford to allow any AQ collection to take place.

I will not continue to add the many citations for papers as I have in previous testimonies. I am tired of writing them and I am sure you all are tired of reading them. I will continue to stand on my previous tesitmonies and their accompanyting studies, heirarchy of priorities principle, precautionary principle policy, definitions of sustainable, lack of kapa'akai analyses, issues with CIS, unknown outcome of the pending supreme court case, and general concern over Native Hawaiian cultural practices that rely on 'āina momona.

I will instead remind the board of the disrespect shown to many of the ocean stewards and to the board itself by AQ collectors in past meetings. Of particular concern was one malihini claiming that being born on Oʻahu and living in Hawaiʻi for 50 years made her just as Hawaiian as us. How shameful to hear, and how disrespectful. As always, I write this testimony with the utmost respect for the board and the kuleana you all wield to uphold the mission of DLNR. I humbly ask that you continue to uphold that mission and do the right thing for Hawaiʻi. Please do not approve the application form and terms and conditions for the state of Hawaiʻi aquarium fish permit. Please instruct DAR to continue in their efforts of rulemaking to end commercial AQ collection and focus on enforcing that ban. With that action DAR can instead spend their precious time on uplifting community and our resources through co-management efforts that reciprocally enhance 'āina momona, our culture, and our resources.

Mahalo nui for the opportunity to testify.

Me ka ha'aha'a.

Kaikea Nakachi



#### Agenda Item F-1 Regarding West Hawaii Aquarium Permits

Aloha Chair Dawn Chang,

I am writing this testimony on behalf of the families from Ho'okena, Kauhako, and Kealia South Kona, Hawaii island.

The BLNR is considering to allow the issuance of permits for aquarium fish collectors to harvest i'a from our narrow, fragile, West Hawaii coral reef system despite the opposition from the majority of residents living here and throughout Hawaii Nei. For decades we have watched as the aquarium collectors removed hundreds of thousands of fish from our fragile West Hawaii coral reefs annually. However, the process to establish the Fish Replenishment Areas helped our community to become familiar with the DLNR rule-making process and our hopes of a vibrant and healthy coral reef, where i'a thrive, were renewed.

However, the damage done by removing the multitude of reef grazers added to the degradation of the habitat along with Climate Change, Coastal Development illegal anchoring and run-offs from agriculture and golf courses. Today, as we strive to pass on fishing skills to our young lawai'a, it is apparent that the population of the i'a that we harvest for subsistence has diminished.

The herbivore rules further limit our ability to fish for gatherings and celebrations. We are limited in what we can catch for mea'ai but the AQ collectors will be able to extract more fish than subsistence and other commercial fishermen combined. That is unreasonable and disrespectful to the Hawaiians and other people who depend on the ocean to help feed their families.

Our colleagues are testifying in opposition to the issuing of AQ permits for West Hawaii and we support them, but our concern is that their voices will be overridden by the Pet Lobby. Therefore, it is our proposal, should the permits be issued, that DAR adopt the following rules for West Hawaii.

- 1. Limit 7 permits for West Hawaii
- 2. Bag limits per permit- 5000 fish annually.
- 3. No collecting more than 1000 fish from the open areas between Miloli'I and Kealakekua Bay
- 4. Observe spawning times: No collecting of fish during their spawning cycles.
- 5. Should a collector be found in violation of the rules, they would lose their permit to operate in West Hawaii waters
- 6. Should a collector lose their permit no other permits will be allowed to replace the authorized number in West Hawaii.
- 7. Confiscated boat and equipment for violations will be auctioned off for a West Hawaii community fund to be established by South Kona nonprofit community organizations.
- 8. A report of where the fish were caught, how many and what type shall be supplied to the community nonprofits representing the area on a quarterly basis.
- 9. DAR shall conduct annual surveys for the most heavily impacted areas.
- 10. If two or more collectors are found violating the rules the remaining permits will be void and no more permits will be authorized for West Hawaii.

I would like to express our sincere gratitude to Chair Dawn Chang and the Board of Land and Natural Resources for their fair and compassionate efforts to malama ka 'aina I ke kai. Ke Aloha Nunui,

Damien Kenison – President Kauhakō 'Ohana Association



#### **Board of Land and Natural Resources**

Regarding Agenda Item F. 1

REQUEST FOR APPROVAL OF THE APPLICATION FORM AND TERMS AND CONDITIONS FOR THE STATE OF HAWAI'I AQUARIUM FISH PERMIT PURSUANT TO HAWAI'I REVISED STATUTES SECTION 188-31; HAWAI'I ADMINISTRATIVE RULES SECTION 13-60.4-7; REQUEST TO DELEGATE AUTHORITY TO THE CHAIR TO APPROVE, SIGN, AND ISSUE WEST HAWAI'I AQUARIUM PERMITS AND STATE OF HAWAI'I AQUARIUM FISH PERMITS AUTHORIZING LIMITED COMMERCIAL AQUARIUM COLLECTION IN WEST HAWAI'I REGIONAL FISHERY MANAGEMENT AREA TO UP TO SEVEN (7) APPLICANT THAT MEET CERTAIN CRITERIA AND REQUIREMENTS.

August 23, 2024 9:00 a.m. DLNR Boardroom

The Office of Hawaiian Affairs (OHA) will recommend that the Board of Trustees oppose the approval of seven applicants seeking permits for aquarium collection in West Hawai'i. Previously, OHA strongly urged the Department of Land and Natural Resources – Division of Aquatic Resources to initiate rulemaking and hold public hearings on the proposal to end the aquarium pet trade in Hawai'i.

In response, OHA received a letter from BLNR Chair Chang, which provided background on HRS §188-31 and HAR 13-60.4. The letter indicated that the decision not to proceed with the proposal was influenced by relevant court decisions. It also noted that while the Department retains the authority to issue aquarium fish permits under certain conditions, no permits for commercial purposes have been issued due to ongoing legal actions. OHA further recommends that the BLNR retain its discretionary authority and not delegate decision-making to the Department Chair, emphasizing that each board member brings valuable insights and expertise from their diverse island communities.

Article XII, §7 of the State of Hawai'i's Constitution protects Native Hawaiian rights to subsistence, cultural, and religious practices, thus prioritizing these rights over aquarium pet trade activities. OHA highlights that the aquarium trade has historically removed more herbivores than the combined total of subsistence, recreational, and food fishing, a practice that is unsustainable, especially in the face of increasing climate challenges affecting our nearshore reefs and ecosystems. The BLNR has a kuleana (duty) to uphold the State's Constitution and ensure sustainable stewardship and management of our marine resources.

Therefore, OHA strongly recommends that the West Hawai'i Regional Fishery Management Area (WHRFMA) and each application be thoroughly vetted through the Ka Pa'akai Analysis Framework. This is in line with OHA's mission to improve the conditions and wellbeing of Native Hawaiians and OHA's Strategic Plan "Mana i Mauli Ola" (Strength to Wellbeing), of three foundations: 'ohana (family), mo'omeheu (culture), and 'āina (land and



#### **Board of Land and Natural Resources**

Regarding Agenda Item F. 1

REQUEST FOR APPROVAL OF THE APPLICATION FORM AND TERMS AND CONDITIONS FOR THE STATE OF HAWAI'I AQUARIUM FISH PERMIT PURSUANT TO HAWAI'I REVISED STATUTES SECTION 188-31; HAWAI'I ADMINISTRATIVE RULES SECTION 13-60.4-7; REQUEST TO DELEGATE AUTHORITY TO THE CHAIR TO APPROVE, SIGN, AND ISSUE WEST HAWAI'I AQUARIUM PERMITS AND STATE OF HAWAI'I AQUARIUM FISH PERMITS AUTHORIZING LIMITED COMMERCIAL AQUARIUM COLLECTION IN WEST HAWAI'I REGIONAL FISHERY MANAGEMENT AREA TO UP TO SEVEN (7) APPLICANT THAT MEET CERTAIN CRITERIA AND REQUIREMENTS.

water). OHA recognizes these foundations have the power to affect the wellbeing of Native Hawaiians.

OHA values meaningful engagement and consultation and supports the continued protection of our vital resources. Mahalo for the opportunity to provide input on this crucial issue.

From: Richard Pyle

To: <u>DLNR.BLNR.Testimony</u>

Cc: "Bruce Carlson (exallias2@gmail.com)"

Subject: [EXTERNAL] Testimony on item F-1 of Hearing on 23 August 2024

**Date:** Friday, August 23, 2024 4:49:20 PM

Aloha Chair Chang and Board of Land and Natural Resources members:

I intended to give oral testimony on item F-1 (Aquarium fish permitting) today, and I was able to listen in on most of the testimony via YouTube, but my internet connection here in Kāne'ohe was inadequate to connect via Zoom. I hope you can accept this brief written summary of the comments I had intended to make.

As background, I was born and raised in Hawai'i, the fourth generation in these islands, and the third generation of naturalists in my family who have studied the natural history of the Hawaiian Islands. I received my PhD from the University of Hawai'i, studying ichthyology under the guidance of Dr. John E. Randall, who, by multiple objective metrics, was the greatest ichthyologist in all of history. My specialty is the study of the biodiversity of coral-reef fishes, and I have been actively involved with discussions about the aquarium fish industry in Hawai'i and the broader Pacific (including authoring several important articles and book chapters on the topic) for most of my life.

I strongly support this Bill for many different reasons, but my testimony will focus on two of them. The first is that, despite what some have suggested, the science is unambiguous on this issue: as one of the best-studied near-shore fisheries in the world, the many years of data reveal that the aquarium fish industry in West Hawai'i is highly sustainable and has minimal direct or indirect impacts on our precious coral reefs. Dr. Bruce Carlson (CC'd) addressed this aspect of our joint testimony during the hearing, and I very strongly endorse his comments and the associated written testimony.

The second reason I support this Bill has to do with the long-term protection of biodiversity -- particularly on coral reefs. Climate change is very real, and the greatest existential threat to humanity from climate change (by far) is the loss of biodiversity. I have given many high-profile local, national and international presentations on this topic, and we founded the Center for the Exploration of Coral Reef Ecosystems (EXCORE) specifically to address this broader issue. It is the single most important cause that I dedicate my career to, and I expect to continue to do so for the rest of my life. I was very heartened to hear the sincere and passionate testimony from many people who oppose the Bill based on their genuine concern for protecting our coral reefs and the biodiversity that inhabits them. I was saddened, however, that many of these people don't seem to appreciate that they are arguing against their own cause on this. Why do I say that? As someone who has literally dedicated his entire adult life to the cause of documenting and protecting biodiversity, I can tell you that the single greatest threat to the future of biodiversity (and the future of humanity), is apathy. The only way we will ever save the world's natural ecosystems is to inspire people to care about biodiversity. Of all the groups of people I have interacted with (scientists, conservation biologists, policy makers, etc.), the most passionate protectors of coral reefs (by far) are the marine aquarists. It broke my heart to hear people say disparaging things about how exporting aquarium fish was a bad thing. The reality is that the exportation of Hawaiian reef fishes to the world does far more good to inspire people to protect the natural world (especially coral reefs), than any harm the collection of aquarium fishes under the proposed Bill would cause to our local reefs.

Again, I apologize that I was unable to share this testimony orally, and I fully understand if it is too late to consider it in written form. But I felt compelled to share this with you in any case.

Aloha, Rich

Richard L. Pyle, PhD

Director of EXCORE | Senior Curator of Ichthyology | Database Coordinator for Natural Sciences Bernice Pauahi

Bishop Museum

1525 Bernice Street, Honolulu, HI 96817-2704 Office: (808) 848-4115; Fax: (808) 847-8252 eMail: deepreef@bishopmuseum.org

BishopMuseum.org

Our Mission: Bishop Museum inspires our community and visitors through the exploration and celebration of the extraordinary history, culture, and environment of Hawai'i and the Pacific.

From: Mellisas PET DEPOT 30

To: DLNR.BLNR.Testimony

Subject: [EXTERNAL] "Agenda Item F1"

Date: Friday, August 23, 2024 4:48:06 AM

I support opening the aquarium fishery and I support managing resources by science provided by DAR.

Steven Raposo

--

Mellisa's Pet Depot 8 Sarahs Way Fairhaven, Ma 02719 Phone 774-328-8193 www.mellisaspetdepot.com From: Reefer Madness
To: DLNR.BLNR.Testimony

Subject: [EXTERNAL] Agenda Item F1 support Date: Thursday, August 22, 2024 6:49:14 PM

I support opening the aquarium fishery and managing resources by science provided by DAR.

 From:
 Nazeem Rhiman

 To:
 DLNR.BLNR.Testimony

 Subject:
 [EXTERNAL] Agenda Item F1

**Date:** Thursday, August 22, 2024 4:56:14 PM

I support opening the aquarium fishery and I support managing resources by science provided by DAR.

Regards

Naz

From: Lynn Ryan

To: <u>DLNR.BLNR.Testimony</u>

**Subject:** [EXTERNAL] item f-1 oppose issuing AQ permits and oppose delegating authority to the dept chair

**Date:** Thursday, August 22, 2024 7:11:46 PM

Dear Sir and Madam,

I oppose issuing AQ permits and oppose delegating Authority to the chair,.

I live in West Hawaii, swim for health and volunteer with others to teach ocean health and respect.

Please deny any and all permits to remove fish.

Do not delegate authority to the chair. The Board need to use their collective knowledge and expertise to make informed decisions.

With all the current knowledge of our reefs and the value of reef fish for the health of our reefs, ALL the fish need to stay where they are, in the ocean and their home, the reef.

No removing of fish for the pet industry.

Sincerely, Lynn Ryan POB 1237 Kailua Kona, Hawaii 96745

,

From: Brian Schaff

To: <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] Agenda Item F1 Support Date: Friday, August 23, 2024 3:58:43 AM

Attachments: <u>image963696.png</u>

image679935.png image615805.png image088193.png image562785.png image687000.png image845885.png image841675.png image109819.png image126868.png

To whom it may be concerned,

### I support opening the aquarium fishery and managing resources by science provided by DAR

Tropical Marine Centre is Europe's largest and oldest importer of ornamental marine animals in the Aquarium trade. We have a long association with the Hawaiian ornamental industry and have been a strong supporter of a humane, sustainable, and ethical aquarium trade for over 52 years.

Tropical Marine Centre was a founding supporter, data provider and financial sponsor of UNEP --WCMC's Global Marine Aquarium Database (GMAD) as well as being a founding member of the Marine Aquarium Council (MAC) and became one of the first certified livestock operations in Europe. Tropical Marine Centre maintains a close relationship with our own Government's Department of the Environment and Rural Affairs and assists with the training of CITES Wildlife Inspectors in Europe in respect of identification and handling of CITES listed corals species.

Through the collecting operations in particular in West Hawaii which supplied Tropical Marine Centre, we strongly support the implementation of this initiative. The additional limits on collectors, species and collecting numbers ensure and promote a sustainable fishery in Hawaii and one that benefits and supports the livelihoods of people of Hawaiian descent. Our industry further supports all efforts by the Hawaiian Ornamental Aquarium Industry to provide supporting evidence for continuing this sustainable and responsible trade in Hawaii, through Environmental impact studies and cultural assessments. The solution provided is well balanced and addresses any environmental concerns given in the past whilst still allowing the fishery to operate and held accountable. It is important for all stakeholders to note that the Hawaiian marine collecting businesses supplying Tropical Marine Centre already conform to the highest standards of best practice in our industry, this is reflected in the very high quality and condition of collected Hawaiian fish and the low mortality both during transport and post transport to the UK. These mortalities are typically less than 0.3% for the long journey from the Pacific, the onward longevity in our aquariums, with our retailers, public institutes, researchers and with the hobbyist is very high. We have supported many breeding initiatives throughout the world on over 200 different species being not only responsible for many world firsts in our hatchery but also supportive to various projects in various institutes and nurseries including species typically observed in Hawaii. Captive breeding is seen like a replacement to wild collection and a more sustainable approach, but we do firmly believe through empirical evidence over the last 5 decades that these must go hand in hand with short supply chain fisheries.

The species this study targets are unique to Hawaii and should therefore be responsibly managed and any economic benefit as such should be retained by the people of Hawaii. Breeding initiatives

are rarely commercially done at source and usually closer to where the market operates for logistical reasons. We truly believe it is important to respect local heritage and sustainable short supply chain establishment that offers a viable and ecologically responsible method of supplying our industry for decades and centuries to come in hand with development of science and aquaculture efforts. The iconic status in our hobby of many unique species from Hawaii signposts not only the economic importance of Hawaiian species in our trade but also the love, appreciation and dedication to the keeping of these animals by a world-wide hobby that shares an investment with the people of Hawaii in sustaining their success and survival in both the wild and in captivity. In so doing the Ornamental Aquarium Industry keep these iconic animals in the consciousness of a much wider public audience and adds to the scientific knowledge so needed for their future survival, both in the wild and in aquariums, for future generations to enjoy. Tropical Marine Centre already considers the aquarium fishery in West Hawaii to be one of the best managed and regulated of all the 42 collection areas we work with worldwide. It is paramount to reopen what is now a sustainable and low impact trade of highly -valued marine animals from Hawaii. This will provide income back to the livelihoods from skilled people of Hawaii and focus trade away to other countries which do not benefit from the same level of scrutiny, oversight and regulation already applied to the collection of animals for the ornamental aquarium industry in Hawaii. We wholeheartedly support the reopening of the Hawaii Marine Aquarium trade fishery, and believe it is crucial to ensure the long-term sustainable and responsible management of this industry. Thank you for your attention in this matter, and I encourage you to consider the positive impacts that reopening the fishery will have on the Hawaiian community and the preservation of our marine ecosystems.

# **Brian Schaff | Chief Executive Officer**

1 +44 1923 284151



Solesbridge Lane, Chorleywood, Hertfordshire, WD3 5SX

















mail. Any personal views and opinions expressed in this email message are the sender's own and

From: Alexander Seile
To: DLNR.BLNR.Testimony

Subject:[EXTERNAL] Agenda Item F1 supportDate:Thursday, August 22, 2024 6:46:27 PM

I support opening the aquarium fishery and managing resources by science provided by DAR.

Alexander Seile seilealexander@gmail.com

From: <u>Todd Shiraki</u>

**To:** <u>DLNR.BLNR.Testimony</u>

Subject: [EXTERNAL] Agenda F1 please Support Date: Thursday, August 22, 2024 4:35:28 PM

## Hello Blnr

Please support the permitting of the aquarium fishery as suggested by DAR. As a life long resident of Kona i fully support any sustainable fishery. Please help our local fishermen get their jobs back!! Mahalo

Todd Shiraki

Hawaii Tropical Fish Company

From: <u>Jojo Tanimoto</u>
To: <u>DLNR.BLNR.Testimony</u>

**Subject:** [EXTERNAL] Permit to allow aquarium gatherings

**Date:** Friday, August 23, 2024 9:16:22 AM

#### Aloha

My name is JoJo Tanimoto and I live in the Kawaihae Hawaiian Homelands. I am in opposition to item because-1) I see nothing identifying the shoreline outward, as a historic fish habitat, since before Kamehameha I.

2) I see nothing identifying the Na Ala Hele Trail from North and South Kohala Districts, at least.

The residents of the homestead are identified by the Hawaiian Homes Commission Act, and this is our food sustainability. This Permit will allow food to be taken away from our children. Please vote NO. Mahalo

Sent from my iPad

Aloha Chair and Board of Land and Natural Resources,

My name is Monica Pilimai Traub. I am a cultural practitioner, marine biologist, SCUBA instructor, environmentalist, researcher, and teacher in West Hawaii, especially hoa'āina of Pohue in Ka'ū for over 35 years.

I strongly OPPOSE issuing commercial aquarium permits in West Hawai'i and I OPPOSE delegating authority to the Department Chair.

Regarding Terms and Conditions to Issue West Hawai'i AQ permits: I request you reject DAR's AQ Terms and Conditions and deny any and all AQ (Aquarium Collection) permits. As a marine biologist and SCUBA instructor I have witnessed the decline of our fisheries in West Hawaii and the degradation of our coral reefs due to bleaching, crown of thorns, and aquarium fish collectors damaging corals when probing and chasing fish into nets. The stress placed on fish collected is so high that mortality is common in this industry. If AQ permits are approved in West Hawaii I am fearful that the impact will severely impact the future sustainability of our fisheries. The benefits of leaving our fish on our reefs far outweigh the monetary gains of a handful of people who take them off the reef for sale to the AQ pet trade outside of Hawaii.

Regarding delegating authority to issue AQ permits to the Department Chair:

Please, do not delegate authority to the Department Chair. Retain the discretionary authority with the Board who will continue to utilize their diverse island communities, specialized knowledge, and expertise to weigh in and make informed decisions together.

Mahalo for this opportunity to testify, Monica Pilimai Traub Pohue, Kaʻū From:

To:

Hui Wang
DLNR.BLNR.Testimony
[EXTERNAL] Agenda Item F1 support Subject: Friday, August 23, 2024 2:07:58 PM Date:

Hi,

I support opening the aquarium fishery and managing resources by science provided by DAR

Best,

Hui

August 23, 2024

TO: BLNR, Chair Chang and Members,

FROM: Deborah Ward, P.O. Box 918 Kurtistown HI

RE: Testimony on agenda item F1. OPPOSE!

#### Aloha,

My name is Deborah Ward. I would like to acknowledge the board members for their tenacity, perseverance, and attention to these tremendously momentous issues over the past two days. Thank you!

I have lived on the island of Hawaii for over forty five years, and I have watched the gradual diminishment of the West Hawaii reef fauna. I lived and fished on the island of O'ahu for twenty years earlier, and can personally report that the fish that were abundant fifty years ago have completely crashed, due to poor oversight and management. I testify because this hurts my heart.

I strongly urge you to reject the DAR staff recommendation, and request that you CONDUCT a rule-making process to prohibit the take of reef fish in Hawaii for the benefit of the aquarium trade.

The reef fish, corals and associated algae are a critical public trust resource that you as Board members are charged to protect. The fish and algae are important to the sustenance of our local families, and specifically native Hawaiians whose traditional cultural practices are constantly being eroded by your decisions. Together, the fish/algae/coral complex provide valuable ecosystem protections, including the protection of human infrastructure, like coastal roads and buildings. Your role as trustees of the public trust is to weigh the request of the profit driven aquarium industry with the health and safety of Hawaii's residents. We ask that you protect the needs of our residents over the whims of the offshore hobbyist and their collector enablers. The public trust resources of our state must be protected when private entities wish to mine the commons for private gain.

DAR staff claim that the legislature has failed to pass publicly supported legislation to shut down the aquarium trade. In actual fact ONE legislator, Mr Tarnas, as committee chair, has been refusing to hold hearings on the proposed legislation. This refusal to even entertain public testimony and legislative action does not indicate an unwillingness of the Legislature to act.

We could wait and weigh in on every proposed permit application, and indeed we will, if we have to. But the cultural, ecosystem and ethical issues that aquarium collection raise are so powerfully felt across our islands, and the loss of our beautiful reef fish to 80 years excessive collection is so tragic and needless! We can attest to the repeated rule-breaking, dangerous lawlessness and arrogant treatment of our coastal reefs and fish, well documented over the

years. The aquarium collection practice provides little to no benefit to our economy, while damaging the very resources that attract visitors to our coasts.

Thank you for the opportunity to provide testimony.

From: <u>aerie waters</u>

To: <u>DLNR.BLNR.Testimony</u>
Subject: [EXTERNAL] Aquarium trade

**Date:** Thursday, August 22, 2024 6:31:19 PM

Our reefs are so compromised already...

They will not survive fewer fish.

Think about it.

Tourism will take a huge dive.

The ocean coral and fish are interdependent.

STOP IN THE NAME OF LOVE.

PROTECT OUR REEFS!!

With Aloha, Aerie Waters Aloha Chair and Board of Land and Natural Resources,

My name is Wilfred Kaupiko of Milolii. I am kupa'aina of West Hawai'i, especially hoa'āina of Milolii, Kona Hema.

I OPPOSE issuing commercial aquarium permits in West Hawai'i and I OPPOSE delegating authority to the Department Chair. I have been fighting this issue all my life and I am testifying today and asking you to ban any aquarium collection PERMANENTLY in Hawai'i.

We live in a time when all herbivore species are in a degraded state of mass decline—a CRISIS. The request by the pet industry is not sustainable and would continue the decline of our reef fish, which serve a vital role.

Our herbivore species perform a critical function on our coral that we, as humans, cannot be a substitute for. We need all reef species in abundance for more than just food. We need them in vast numbers to increase coral resilience and stabilize our ocean ecosystems.

The tipping point for a coral collapse is near. We must remember that a healthy ecosystem plays a crucial role in the production of photosynthesizing algae, such as phytoplankton. These organisms are responsible for producing up to 70% of oxygen in the air. That is every other breath we take, no matter where we live.

The increased opposition from outside Hawai'i should NOT DISTRACT BLNR from making a regenerative decision. We cannot continue to degrade our natural resources further and continue to break our Hawai'i State Constitution for Native Hawaiian Traditional and Customary Rights.

We lack a healthy symbiotic relationship on our coral reef; therefore, drastic measures to protect them are necessary.

Regarding Terms & Conditions to Issue West Hawai'i AQ permits, I request you reject DAR's AQ Terms and Conditions and deny any and all permits. Our Ohana have seen the destruction of this industry throughout our lifetime and witness reefs and corals being destroyed and many reef fish have died during the process of collection Many of these collectors do not follow the protocol of the FRA'a and have gone rouge and have been able to get away without any prosecution or fines. I am currently seeking support with Earth Justice and hope we see favorable results.

Regarding Delegating Authority to Issue AQ Permits to the Department Chair, do not delegate authority to the Department Chair. Retain the discretionary authority with the Board who will continue to utilize their diverse island communities, specialize knowledge, and expertise to weigh in and make informed decisions together.

Mahalo for this opportunity,

Well and

Wilfred Kaupiko - Milolii – Ahupu'a, Moku o Keawe

From:

To:

脚ベティー DLNR.BLNR.Testimony [EXTERNAL] Agenda Item F1 support Thursday, August 22, 2024 5:17:17 PM Subject: Date:

I support opening the aquarium fishery and managing resources by science provided by DAR.