

DAVID Y. IGE
GOVERNOR



CRAIG K. HIRAI
DIRECTOR

GLORIA CHANG
DEPUTY DIRECTOR

**STATE OF HAWAII
DEPARTMENT OF BUDGET AND FINANCE**

P.O. BOX 150
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EMPLOYEES' RETIREMENT SYSTEM
HAWAII EMPLOYER-UNION HEALTH BENEFITS TRUST FUND
OFFICE OF THE PUBLIC DEFENDER

ADMINISTRATIVE AND RESEARCH OFFICE
BUDGET, PROGRAM PLANNING AND
MANAGEMENT DIVISION
FINANCIAL ADMINISTRATION DIVISION
OFFICE OF FEDERAL AWARDS MANAGEMENT (OFAM)

WRITTEN ONLY

TESTIMONY BY CRAIG K. HIRAI
DIRECTOR, DEPARTMENT OF BUDGET AND FINANCE
TO THE SENATE COMMITTEE ON WAYS AND MEANS
ON
SENATE BILL NO. 3190, S.D. 1

**February 22, 2022
10:00 a.m.
Room 211 and Videoconference**

RELATING TO FISH HATCHERY EDUCATION

The Department of Budget and Finance (B&F) offers comments on this bill.

Senate Bill No. 3190, S.D. 1, requires the Department of Education to:

1) establish a native fish hatchery pilot program at Waianae High School; 2) submit a report on the progress of the pilot program and any findings and recommendations, including any proposed legislation, to the Legislature no later than 20 days prior to the convening of the regular sessions of 2023, 2024, and 2025; and 3) cease the pilot program on June 30, 2025. The bill also establishes 3.00 full-time equivalent positions and appropriates an unspecified amount of general funds for FY 23 for the purposes of this measure.

B&F notes that, with respect to the general fund appropriation in this bill, the federal Coronavirus Response and Relief Supplemental Appropriations Act requires that states receiving Elementary and Secondary School Emergency Relief (ESSER) II funds and Governor's Emergency Education Relief II funds must maintain state support for:

- Elementary and secondary education in FY 22 at least at the proportional level of the state's support for elementary and secondary education relative to the state's overall spending, averaged over FYs 17, 18 and 19; and
- Higher education in FY 22 at least at the proportional level of the state's support for higher education relative to the state's overall spending, averaged over FYs 17, 18 and 19.

Further, the federal American Rescue Plan (ARP) Act requires that states receiving ARP ESSER funds must maintain state support for:

- Elementary and secondary education in FY 22 and FY 23 at least at the proportional level of the state's support for elementary and secondary education relative to the state's overall spending, averaged over FYs 17, 18 and 19; and
- Higher education in FY 22 and FY 23 at least at the proportional level of the state's support for higher education relative to the state's overall spending, averaged over FYs 17, 18 and 19.

The U.S. Department of Education has issued rules governing how these maintenance of effort (MOE) requirements are to be administered. B&F will be working with the money committees of the Legislature to ensure that the State of Hawai'i complies with these ESSER MOE requirements.

Thank you for your consideration of our comments.



STATE OF HAWAII
DEPARTMENT OF EDUCATION
P.O. BOX 2360
HONOLULU, HAWAII 96804

Date: 02/22/2022

Time: 10:00 AM

Location: CR 211 & Videoconference

Committee: Senate Ways and Means

Department: Education

Person Testifying: Keith T. Hayashi, Interim Superintendent of Education

Title of Bill: SB 3190, SD1 RELATING TO FISH HATCHERY EDUCATION.

Purpose of Bill: Requires the Department of Education to establish a native fish hatchery pilot program at Waianae High School. Appropriates funds. Effective 7/1/2050. (SD1)

Department's Position:

The Hawaii State Department of Education (Department) supports SB 3190, SD 1 and appreciates the positions and funding to establish the native fish hatchery pilot program. The Department does ask that any additional funding does not affect the Department's top budget priorities to restore funds that were reduced as a result of the fiscal fallout from COVID-19 and the funding of existing budget shortfalls that were included in the Department's supplemental budget request. Without those funds, the Department will face severe constraints on its ability to continue to promote equity and access to needed resources and support for all students.

The native fish hatchery pilot program at Waianae High School will provide hands-on and real-world experiences focused on aquaculture and native fish propagation to students on the Waianae coast and will support Hawaii's sustainable future and food security efforts. The partnership between industry professionals and teachers will increase student learning opportunities that are critical to post-secondary and workforce success.

Thank you for the opportunity to provide testimony in support of SB 3190, SD 1.

DAVID Y. IGE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

Testimony of
SUZANNE D. CASE
Chairperson

Before the Senate Committee on
WAYS AND MEANS

Tuesday, February 22, 2022
10:00 AM

State Capitol, Conference Room 211 & Videoconference

In consideration of
SENATE BILL 3190, SENATE DRAFT 1
RELATING TO FISH HATCHERY EDUCATION

Senate Bill 3190, Senate Draft 1 proposes to require the Department of Education to establish a native fish hatchery pilot program at Waianae High School; and appropriates funds. **The Department of Land and Natural Resources supports this bill.**

Loko i'a, Hawaiian fishponds, are unique aquaculture systems throughout Hawaii and are important components of the ahupua'a (traditional land stewardship framework) that contribute to a healthy, sustainable, and robust food system. Fishponds and aquaculture can provide a sustainable source of local-grown fish for Hawaii residents. Production of fingerlings for grow-out can take pressure off nearshore fish stocks which can be a conservation tool for managing fisheries. At a broader level, fishponds can increase local food production, improve food security, perpetuate local and traditional practices, and provide employment opportunities for Hawaii residents.

The proposed fish hatchery, sited within a public high school, will connect students with a unique perspective on loko i'a and all they represent. Learning to operate a fish hatchery will allow students the opportunity to become proficient in a variety of STEM activities in a hands-on, working environment. Participation in the hatchery production of native fishes will provide opportunities for students to learn transferrable skills related to scientific, management, agricultural, and conservation fields. In addition, this program will connect students with practitioners and professionals whose lives and livelihoods depend on these products and skills, many of whom will become mentors and future employers.

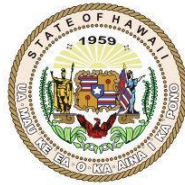
Thank you for the opportunity to comment on this measure.

SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA
FIRST DEPUTY

M. KALEO MANUEL
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS



LATE

STATE OF HAWAII
DEPARTMENT OF EDUCATION

Date: 02/21/2022

Time: 2:00 PM

Committee: Senate Ways and Means

Department: Education

Person Testifying: Norine Matanane, Vice Principal- Wai'anae High School

Title of Bill: SB 3190, SD1 RELATING TO FISH HATCHERY EDUCATION.

Purpose of Bill: Requires the Department of Education to establish a native fish hatchery pilot program at Wai'anae High School

I am in support of the native fish hatchery pilot program at Wai'anae High School. Having such a program will provide our students with the opportunity to utilize many of the real-life skills that they are being taught within the classroom. Having this program will connect our educators and our students to their community and culture, which they highly value. Being able to partner with community organizations will allow our students to develop the professional skills necessary to be successful in whatever endeavor they wish to pursue. It is for these reasons that I once again express complete support for Senate Bill 3190

Mahalo for allowing me to submit my testimony.



Testimony Before The
Senate Committee on Ways and means
IN SUPPORT OF SB 3190 SD1
February 22, 2022, 10:00AM, Room 211

My name is Kevin Chang and I am the Executive Director of [Kua'āina Ulu 'Auamo \(or KUA\)](#). KUA works to empower grassroots rural and Native Hawaiian mālama 'āina groups to celebrate their places and pass on their traditions to better Hawai'i and achieve 'āina momona— an abundant, productive ecological system that supports community well-being.

KUA employs a community-driven approach that currently supports a statewide network of 36 mālama 'āina community groups collectively referred to as E Alu Pū (moving forward together), 40 fishpond projects and practitioners called the Hui Mālama Loko I'a, and a growing group of over 60 Limu practitioners and supporters called the Limu Hui. Participants in our networks have had long term dreams of bringing fishponds, food fish and limu back to our shorelines and dinner tables.

KUA supports SB 3190 SD1 as an incremental step on a pathway towards 'āina momona. This bill would require DOE to establish a native fish hatchery pilot program at Wai'anae high school and appropriate the funds to do so.

KUA's coordinators and network participants in all three of our networks have built stronger connections to the education community, including the DOE, the DLNR and the aquaculture community knowing very well that to reach a vision of greater food self-sufficiency we need to transform our culture, values and institutions together. Participants in our Limu Hui have long worked to continue the legacy of the Marine Science Learning Center to support this kind project in Wai'anae, a place literally known as "mullet water" for the 'anae or mullet that was once abundant there. This existing program at Wai'anae High School has much of the infrastructure, curriculum, and experience to implement this pilot program.

As the bill mentions, several reports have already articulated the need for native fish hatcheries to support the ongoing restoration efforts of loko i'a, traditional Hawaiian fishponds. Many practitioners envision a future when loko i'a can be stocked again from natural populations of prized species such as 'anae, but since those fisheries are depleted in many areas across Hawai'i, hatchery-raised fingerlings are an important component of the restoration efforts for loko i'a and their surrounding waters. In our conversations with the Hui Mālama Loko I'a, practitioners from over 20 loko i'a on 5 different islands have indicated this opinion in the past several years.

Indeed, as we look to the future our communities are raising the kupa'āina who want to have jobs focused on mālama 'āina. I am sure some of the submitted applications that recently inundated and exceeded the capacity of the DOCARE Academy enrollment portal came from these young people. We appreciate this creative and collaborative approach that builds the capacity and skills of the next generation with intention, and in a way that benefits ongoing community efforts at loko i'a.

The communities we work with are committed to ensuring the long-term health of our biocultural resources. They have depended on them for generations. We believe our environment,

the foundation of our very existence, is about long-term investment and a vision of 'āina momona. To get there it requires among other things taking the steps toward greater self-sufficiency, development of a pipeline of new and more innovative career pathways, mindsets, relationships and resource flows for mālama 'āina. Passing this bill out of your committee will open a pathway toward reaching this vision.

Mahalo for this opportunity to testify in support.

Aloha 'Āina Momona.



Environmental Caucus of The Democratic Party of Hawai'i

To: The Honorable Donovan Dela Cruz, Chair,
The Honorable Gilbert S.C. Keith-Agaran, Vice Chair, and
Members of the Senate Committee on Ways and Means

Re: **SB 3190 SD1 – RELATING TO FISH HATCHERY EDUCATION**

Hearing: Tuesday, February 22, 2022, 10:00 a.m., Room 211 & videoconference

Position: Strong Support

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and members of the Senate Committee on Ways and Means:

The Environmental Caucus of the Democratic Party of Hawai'i strongly supports SB 3190, SD1. This measure would require the Department of Education to establish a native fish hatchery pilot program at Waianae high school and appropriate funds for this pilot program.

The Environmental Caucus of the Democratic Party of Hawai'i supports this bill as it will enhance the effort of local communities and grassroots nonprofit organization working across the State to restore traditional fishponds for cultural, educational, and food production purposes. This measure will provide an opportunity to develop a regenerative mullet hatchery program as part of a broader effort to restock fishponds while simultaneously supporting place-based and future-focused career and technical education natural resource pathways in the department of education.

The marine science learning center at Waianae high school is a functioning aquaculture facility with a saltwater well which has been the central focus of the science curriculum delivered to students for over a quarter of a century. The saltwater well will provide an essential ecological condition for a mullet hatchery program. This facility is uniquely positioned to facilitate transmission of the skill sets necessary to produce sizable amounts of mullet fingerlings to supply fishponds and take mullet fingerlings through their life cycle to future generations. Most importantly, this hatchery would educate youth, residents, and visitors through experimental training while assist in providing the community with food security and resiliency.

The Environmental Caucus supports this bill as it offers a unique learning opportunity for the students at Waianae High School, it perpetuates the culture and traditions of the community, and it will contribute toward food security and economic diversity which Hawaii desperately needs.

Thank you very much for this opportunity to testify on this bill. Please pass this bill.

Respectfully yours,

/s/ *Melodie R. Aduja*

Chair, Environmental Caucus, Democratic Party of Hawai'i

LATE

SB-3190-SD-1

Submitted on: 2/22/2022 8:43:01 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Chris Cramer	Testifying for Maunalua Fishpond Heritage Center	Support	No

Comments:

On behalf of the Maunalua Fishpond Heritage Center, we strongly support the Waianae community in this mullet hatchery effort for Wai'anae High School. These are motivated students and teachers who are showing leadership towards the future food stability of our island. We cannot forget that mullet were the staple food source for our island and have been decimated in recent decades. This is a very worthy step in the right direction to change the direction of our island's future.

SB-3190-SD-1

Submitted on: 2/18/2022 10:45:53 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
William Maka Czarnick	Individual	Support	No

Comments:

February 22, 2022

Senator Donovan M. Dela Cruz, Chair

Senator Gilbert S.C. Keith-Agaran, Vice Chair

Hawai'i State Senate Committee on Ways and Means

Hearing: Tuesday, February 22, 2022, 10:00 a.m.

Conference Room 211 & Videoconference

Re: Senate Bill 3190 Relating to Fish Hatchery Education

Aloha Chair DelaCruz, Vice Chair Keith-Agaran and Member of the Committee,

My name is William Maka Czarnick. I am a student at Waianae High School. I am writing in support of SB 3190 which would establish a native fish hatchery pilot program at Wai'anae High School. This measure is significantly important to us as both an educational purpose and is a powerful cultural reference for Waianae as it's a step towards restoring the mullet that Waianae once was known for. As a student of WHS within the marine science pathcore, I've grown a stronger connection to our culture through learning about the fishponds and stories that related to each ahupua'a and what I found most inspirational was the methods of restoring the fishponds of Hawaii to maintain our cultural traditions. Although this is one huge step in bringing our community closer together, it can lead to many economical advantages if the proper steps are taken to maintain the fish hatchery. . But indefinitely, the cultural history of Waianae through the native fish hatchery will continuously educate the youth involved in WHS and further progress their education further in the field of Marine Science. I urge you to support this measure

because restoring a piece of history that once gave Waianae meaning will help our community develop healthy economical and social health habits.

Sincerely,

William Czarnick

SB-3190-SD-1

Submitted on: 2/18/2022 10:52:33 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
christian sansano	Individual	Support	No

Comments:

February 22, 2022

Senator Donovan M. Dela Cruz, Chair

Senator Gilbert S.C. Keith-Agaran, Vice Chair

Hawai'i State Senate Committee on Ways and Means

Hearing: Tuesday, February 22, 2022, 10:00 a.m.

Conference Room 211 & Videoconference

Re: Senate Bill 3190 Relating to Fish Hatchery Education

Aloha Chair DelaCruz, Vice Chair Keith-Agaran and Member of the Committee,

My name is Christian Sansano. I am a student majoring in marine science. I am writing in support of SB 3190 which would establish a native fish hatchery pilot program at Wai'anae High School. This measure is important because it brings back easier and healthier food sources to our community. Food security is providing food for people on our island. Learning about these marine animals has helped me understand more about our ecosystem. The things I personally learned have been helpful to me by helping me understand the ocean more and learning about all the native species in Hawaii. Without the Marine Science program I now know the importance of the freshwater mullet. I would like to bring that type of knowledge back to our community. I urge you to support this measure because we are trying to restore our community and island with the Freshwater mullet that we raise.

Sincerely,

Christian Sansano

SB-3190-SD-1

Submitted on: 2/18/2022 10:52:56 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Braiesey Rosa	Individual	Support	No

Comments:

February 22, 2022

Senator Donovan M. Dela Cruz, Chair

Senator Gilbert S.C. Keith-Agaran, Vice Chair

Hawai'i State Senate Committee on Ways and Means

Hearing: Tuesday, February 22, 2022, 10:00 a.m.

Conference Room 211 & Videoconference

Re: Senate Bill 3190 Relating to Fish Hatchery Education

Aloha Chair DelaCruz, Vice Chair Keith-Agaran and Member of the Committee,

My name is Braiesey Rosa. I am a student majoring in Marine science. I am writing in support of SB 3190 which would establish a native fish hatchery pilot program at Wai'anae High School. This measure is important because we can provide food for our people by growing ogo and raising the mullet and making them healthy enough to supply our community. This class has taught me a lot about fish ponds and just knowing the reason why fishponds are very important. We go on field trips and have the opportunity to experience how the marine science field works and see how it encourages us to malama our aina. The hatchery will open up a lot of job opportunities in the future and that could possibly be an option for me when I graduate. This class has taught me a lot and made me realize how important marine life is to the earth. Some of the things I learned from the field trips and just meeting people that have been doing these things for years is pretty cool. I think it's worth the money and time because it can increase more food for our people and also make things easier for our class especially since we are the only school that specializes

in salt water agriculture. I urge you to support this measure because this hatchery can help and grow our marine science class and make a big change for our future generations.

Sincerely,

Braiesey Rosa

SB-3190-SD-1

Submitted on: 2/18/2022 10:53:35 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Dustin Pave	Individual	Support	No

Comments:

My name is Dustin Pave, I am a student at Waianae highschool and am in the Marine Science major program. I am writing in support of SB 3190 which would establish a native fish hatchery pilot program at Waianae high school. This measure is important because during our recent visit to the oceanic institute we learned about the mullet. Unfortunately OI are currently not raising the mullets any longer. There were multiple fish ponds we visited that spoke about mullet and how it is important to our environment. We also have mullet in our facility but we lack knowledge and skills required to get them to reproduce. The passing of this bill will allow us to carry the mullet through their full life cycle. Marine science is an awesome learning experience because it teaches you knowledge of marine life and life itself. Also it prepares you for life after school. It gives you job skills and hands on experience that I can use for future jobs. I urge you to support this measure because will be a great resource to our community and will teach us many valuable skills.

Sincerely,

Dustin Pave

SB-3190-SD-1

Submitted on: 2/18/2022 10:53:47 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Jaevin Pacheco	Individual	Support	No

Comments:

February 22, 2022

Senator Donovan M. Dela Cruz, Chair

Senator Gilbert S.C. Keith-Agaran, Vice Chair

Hawai'i State Senate Committee on Ways and Means

Hearing: Tuesday, February 22, 2022, 10:00 a.m.

Conference Room 211 & Videoconference

Re: Senate Bill 3190 Relating to Fish Hatchery Education

Aloha Chair DelaCruz, Vice Chair Keith-Agaran and Member of the Committee,

My name is Jaevin Pacheco. I am a student in Waianae High School, majoring in Marine Science . I am writing in support of SB 3190 which would establish a native fish hatchery pilot program at Wai‘anae High School. This measure is important because it would be great for us and the future because we could be stable on food again. Also the knowledge we gain from working with the mullet can be passed down and we can become more food secure like the ancient hawaiiians were in the old days. While visiting Loko I‘a and He‘eia fishponds, it was fun and it would be pretty cool if a lot more people could experience it. If fishponds don't get restored a big part of my culture will die. Being able to work and learn in a hatchery would make me happy knowing I could connect with people and with the land. I actually really like the Marine Science class because I learned so much stuff that has inspired me and taught me many things. I think that this is worth the money because this can actually change how we live here in Hawaii. I urge you to support this measure because

it would be awesome to have such a great opportunity to learn and experience how to grow fish from the start.

Sincerely,

Jaevin Pacheco

SB-3190-SD-1

Submitted on: 2/18/2022 10:53:55 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Akoni Halemano	Individual	Support	No

Comments:

My name is Akoni Halemano, I am a student at the Marine Science major program at Waianae highschool . I am writing in support of SB 3190 which would establish a native fish hatchery pilot program at Wai‘anae High School.

This measure is important to me because in the future I want to work in the conservation field, especially with the land and the fish native to Hawaii. The native fish hatchery is culturally very important for my hometown in Waianae because our moku is named for the anae. There were multiple fish ponds we visited for field trips that spoke about mullet and how it is very important to our environment and food security. We also have mullet at our facility at Waianae high school but we lack knowledge and skill required to get them to reproduce. The passing of this bill will allow us to carry the mullet through they're life cycle and most importantly pass the knowledge down to future generations. The marine science program is a great major if you're looking for learning diverse things and if you're looking for hands-on work. Also this class makes you work with others, ultimately building character and teaching you how to work with others. I urge you to support this measure because it will help the community and will help this generation pass it down to future generations.

Sincerely,

Akoni Halemano

SB-3190-SD-1

Submitted on: 2/18/2022 10:54:12 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Blayze shepherd	Individual	Support	No

Comments:

February 22, 2022

Senator Donovan M. Dela Cruz, Chair

Senator Gilbert S.C. Keith-Agaran, Vice Chair

Hawai'i State Senate Committee on Ways and Means

Hearing: Tuesday, February 22, 2022, 10:00 a.m.

Conference Room 211 & Videoconference

Re: Senate Bill 3190 Relating to Fish Hatchery Education

Aloha Chair DelaCruz, Vice Chair Keith-Agaran and Member of the Committee,

My name is Blayze Shepherd. I am a student majoring in marine science at Waianae. I am writing in support of SB 3190 which would establish a native fish hatchery pilot program at Wai'anae High School.

This measure is important because it will let us learn more about how to take the mullet through its breeding cycle and how to raise the laby stages of mullet. We have been able to visit different fish ponds and have learned how important mullet are to them. It would be great if we could grow the fish to help the fishponds have more mullet. This class has taught me better work skills because we have so many hands on activities and we have learned how to take care of the species in our facility. I urge you to support this measure because in the long term it will help us to support our community.

Sincerely,

SB-3190-SD-1

Submitted on: 2/18/2022 10:54:15 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Justin	Individual	Support	No

Comments:

My name is Justin Longboy, I am a junior at Waianae High School. I am writing in support of SB 3190 which establishes a native fish hatchery pilot program at Waianae High School. I am currently a student in the Marine science major. We learn about a lot of things like taking care of the fishes and cleaning the tanks and raising ogo. My teachers were talking about mullets. They told me a lot of details about it and now I know more things about mullet and the shrimp tanks and we got to see interesting stuff at the facility and we can work there. We have mullets in our facility but we need the skills required to have them reproduce. Marine science is an awesome learning center. It teaches you knowledge of marine life itself. It helps us with what we need to become more sustainable. I urge you to support this measure because it will be a good resource for our community and it can teach us a lot of skills and knowledge that will benefit us in the future.

SB-3190-SD-1

Submitted on: 2/18/2022 11:00:53 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Tayden-marie	Individual	Support	No

Comments:

February 22, 2022

Senator Donovan M. Dela Cruz, Chair

Senator Gilbert S.C. Keith-Agaran, Vice Chair

Hawai'i State Senate Committee on Ways and Means

Hearing: Tuesday, February 22, 2022, 10:00 a.m.

Conference Room 211 & Videoconference

Re: Senate Bill 3190 Relating to Fish Hatchery Education

Aloha Chair DelaCruz, Vice Chair Keith-Agaran and Member of the Committee,

My name is Tayden-marie Stewart. I am a student in Waianae High School. I am writing in support of SB 3190 which would establish a native fish hatchery pilot program at Wai'anae High School. I find that this bill is important because if we were able to grow and hatch our own fish (striped mullet) it would give us food security and could even provide food for the people on our island. I also find this bill to be important because it could provide opportunities and if I had background knowledge and knew how to work in a fish nursery it would give me experience and make me a stronger candidate for a position at a fishery.

I like this class because it taught me some stuff about the place I was born and raised in (waianae) and it also taught me about different fish species. Being able to experience growing fish might be able to give me more job opportunities in the future and if I was to go into a career where you work with fish then I would have some background knowledge.

I think it's worth the money because it could give students and people the opportunity to learn how to raise and grow fish and they could use that knowledge to do it themselves and maybe even provide food for them and their families.

I urge you to support this measure because it could really be a good opportunity and it would be a very interesting thing to learn.

Sincerely,

Tayden-marie Stewart

SB-3190-SD-1

Submitted on: 2/18/2022 12:42:48 PM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Jenny Yagodich	Testifying for Malama Pūpūkea-Waimea	Support	No

Comments:

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Senate Committee on Ways and Means,

Mālama Pūpūkea-Waimea strongly supports SB3190 to establish and fund a native fish hatchery pilot program at Wai‘anae High School. Developing a regenerative mullet hatchery program as part of a broader effort to restock fishponds across Hawai‘i nei while simultaneously supporting place-based and future-focused career and technical education natural resource pathways within in the Department of Education will not only benefit the students directly as part of Wai‘anae High School’s Marine Science Learning Center, but will benefit all of us through increased resiliency and food security as well.

Mahalo for your support of SB3190

LATE

SB-3190-SD-1

Submitted on: 2/22/2022 9:34:11 AM

Testimony for WAM on 2/22/2022 10:00:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Malia Marquez	Individual	Support	No

Comments:

Mahalo for this much needed Bill. We should provide this program to all schools. Eō Wai'anae!