



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

**Date:** 03/22/2022

**Time:** 02:00 PM

**Location:** 309 Via Videoconference

**Committee:** House Education

House Economic Development

**Department:** Education

**Person Testifying:** Interim Superintendent Keith Hayashi  
Hawaii State Department of Education

**Title of Bill:** SB 3190, SD2 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 moneys. Effective 7/1/2050. (SD2)

**Department's Position:**

The Hawaii State Department of Education (Department) supports SB 3190, SD2, 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, SD2.



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 House Committees on**  
**EDUCATION**  
**and**  
**ECONOMIC DEVELOPMENT**

**Tuesday, March 22, 2022**  
**2:00 PM**

**State Capitol, Conference Room 309, Via Videoconference**

**In consideration of**  
**SENATE BILL 3190, SENATE DRAFT 2**  
**RELATING TO FISH HATCHERY EDUCATION**

Senate Bill 3190, Senate Draft 2 proposes to require the Department of Education to establish a native fish hatchery pilot program at Waianae High School; and appropriate moneys. **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

DAVID Y. IGE  
GOVERNOR



CRAIG K. HIRAI  
DIRECTOR

GLORIA CHANG  
DEPUTY DIRECTOR

**STATE OF HAWAII**  
**DEPARTMENT OF BUDGET AND FINANCE**  
P.O. BOX 150  
HONOLULU, HAWAII 96810-0150

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 HOUSE COMMITTEE ON EDUCATION  
ON  
SENATE BILL NO. 3190, S.D. 2

**March 22, 2022**  
**2:00 p.m.**  
**Room 309 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. 2, 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.

**SB-3190-SD-2**

Submitted on: 3/20/2022 9:20:31 AM

Testimony for EDN on 3/22/2022 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Jenny Yagodich	Malama Pupukea-Waimea	Support	Written Testimony Only

Comments:

Aloha Chair Woodson, Vice Chair Kapela, and the Committee on Education, and Chair Quinlan, Vice Chair Holt, and the Committee on Economic Development,

Mālama Pūpūkea-Waimea, the community non-profit that works to help care for our marine resources, **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!

Jenny Yagodich  
Director of Educational Programs  
Mālama Pūpūkea-Waimea



# Environmental Caucus of The Democratic Party of Hawai'i

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To: The Honorable Justin H. Woodson, Chair,  
The Honorable Jeanne Kapela, Vice Chair,  
Members of the Committee on Education

The Honorable Sean Quinlan, Chair  
The Honorable Daniel Holt, Vice Chair,  
Members on Economic Development

Re: **SB 3190 SD2 – RELATING TO FISH HATCHERY EDUCATION**  
Hearing: Tuesday, March 22, 2022, 2:00 p.m., Room 309 & via videoconference

**Position: Strong Support**

Aloha Chairs Woodson and Quinlan, Vice Chairs Kapela and Holt, and members of the Committees on Education and Economic Development:

The Environmental Caucus of the Democratic Party of Hawai'i strongly supports SB 3190, SD2. 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.

*Melodie R. Aduja and Alan B. Burdick*

Co Chairs, Environmental Caucus, Democratic Party of Hawai'i

**SB-3190-SD-2**

Submitted on: 3/19/2022 10:16:03 AM

Testimony for EDN on 3/22/2022 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Jennifer Azuma Chrupaluk	Individual	Support	Written Testimony Only

Comments:

We need a fish hatchery program in Hana School, Molokai School, and Maui High School as well. Especially as it pertains to reviving areas that were known fisheries, such as Kahului Harbor - once known as Mau'oni Loko i'a and bearing hundreds of years of akule production until the commercial activities destroyed the twin fishponds and the annual algae bloom is a product of fecal matter being dumped in the general area of the harbor.



**SB-3190-SD-2**

Submitted on: 3/20/2022 10:34:16 PM

Testimony for EDN on 3/22/2022 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Kelsey Amos	Individual	Support	Written Testimony Only

Comments:

This is an important program please pass it. #fixourfoodsystem