

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 Committees on
WATER AND LAND
and
HIGHER EDUCATION**

**Thursday, February 16, 2017
1:45 PM
State Capitol, Conference Room 414**

**In consideration of
SENATE BILL 1178
RELATING TO MAKING AN APPROPRIATION FOR HE'EIA
NATIONAL ESTUARINE RESEARCH RESERVE**

Senate Bill 1178 proposes to appropriate funds for Fiscal Year 2018-2019 for the initial staff necessary to develop and manage the He'eia National Estuarine Research Reserve (NERRS) and its programs. **The Department of Land and Natural Resources (Department) supports this measure.**

This measure would provide initial funding to the University of Hawaii of \$400,000 to hire four, full-time, permanent employees to develop and manage the He'eia NERRS. We supported the efforts in securing this NERRS designation, as federal and state funding will go towards more research on the State's largest estuary in Kane'ohe Bay. The information that will be discovered about this ecosystem will help the Department better manage this important resource. The Department supports this bill provided it does not adversely impact our priorities indicated in the Executive Budget request.

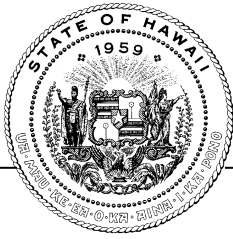
Thank you for the opportunity to comment on this measure.

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

KEKOA KALUHIWA
FIRST DEPUTY

JEFFREY T. PEARSON P.E.
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



OFFICE OF PLANNING STATE OF HAWAII

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DAVID Y. IGE
GOVERNOR

LEO R. ASUNCION
DIRECTOR
OFFICE OF PLANNING

Statement of
LEO R. ASUNCION
Director, Office of Planning
before the
**SENATE COMMITTEES ON WATER AND LAND,
AND HIGHER EDUCATION**
Thursday, February 16, 2017
1:45 PM
State Capitol, Conference Room 414

in consideration of
SB1178
**RELATING TO MAKING AN APPROPRIATION FOR HE'EIA NATIONAL
ESTUARINE RESEARCH RESERVE.**

Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani, and Members of the Senate Committees on Water and Land, and Higher Education.

The Office of Planning (OP) supports SB 1178, provided that its passage does not replace or adversely impact priorities indicated in the Executive Budget.

The National Estuarine Research Reserve System (NERRS) is a network of coastal sites designated to protect and study estuarine systems. Established through the Coastal Zone Management Act (16 U.S.C. §§1451-1466), the reserves represent a partnership program between the National Oceanic and Atmospheric Administration (NOAA) and the coastal states. In 2012, OP was designated as the lead agency to coordinate the site selection for a Hawai'i site and resulting nomination process for the He'eia site to be designated as a NERR.

The He'eia site, located on the windward shore of O'ahu and including He'eia State Park, He'eia Fishpond, and the He'eia Community Development District (CDD), as well as marine waters with patch and fringing reefs and Moku o Lo'e (Coconut Island), was chosen as the preferred site after a statewide solicitation period from interested communities. OP supported the designation process through the development of the He'eia National Estuarine Research Reserve Management Plan (Management Plan). On January 19, 2017, the He'eia site was officially designated as the 29th site in the NERRS, which enables federal funding to support the implementation of the Management Plan.

The University of Hawai'i, Hawai'i Institute of Marine Biology is the lead agency for the implementation of the Management Plan with site partners to include: the Hawai'i Community Development Authority (HCDA), the Department of Land and Natural Resources (DLNR), Paepae o He'eia, as well as supporting community organizations such as the Ko'olaupoko Hawaiian Civic

Club, Ko‘olau Foundation, and Kako‘o Oiwi. SB 1178 would support the staffing needs of four (4) full-time equivalent positions as outlined in the Management Plan to initiate successful implementation and to meet funding match requirements of the NOAA partnership.

Thank you for the opportunity to testify on this measure.



HAWAII COMMUNITY
DEVELOPMENT AUTHORITY



KAKA
KALAELOA

David Y. Ige
Governor

John Whalen
Chairperson

Jesse K. Souki
Executive Director

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STATEMENT OF

JESSE K. SOUKI, EXECUTIVE DIRECTOR
HAWAII COMMUNITY DEVELOPMENT AUTHORITY

BEFORE THE

SENATE COMMITTEE ON WATER AND LAND, AND SENATE
COMMITTEE ON HIGHER EDUCATION

ON

Thursday, February 16, 2017

1:45 P.M.

State Capitol, Conference Room 414

in consideration of

**SB1178 – MAKING AN APPROPRIATION FOR HE‘EIA NATIONAL
ESTUARINE RESEARCH RESERVE**

Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members
of the committee.

This testimony reflects my view alone. The Hawaii Community
Development Authority (HCDA) has not acted on this specific measure.

In my capacity as the HCDA Executive Director, I respectfully offer
comments on SB1178.

While the HCDA board has not had the opportunity to opine on this bill,
the board did vote to become a signatory to the He‘eia National Estuarine
Research Reserve at its meeting on January 4, 2017. The Reserve is a multi-party
agreement among the Hawaii Institute of Marine Biology, HCDA, and other
organizations. The Reserve enjoys broad community support. Therefore, we
support the intent of SB1178, so long as it does not replace priorities requested in
the Executive Budget.

Thank you for the opportunity to provide **comments** on this bill.



KO'OLAUPOKO HAWAIIAN CIVIC CLUB

February 15, 2017

To: Sen. Karl Rhoads, Luna Ho`omalu/Sen. Mike Gabbard, Hope Luna Ho`omalu
Ke Komike no ka Wai a me ka `Aina

Sen. Ka`iali`i Kahele, Luna Ho`omalu/Sen. Michelle N. Kidani, Hope Luna Ho`omalu
Ke Komike Kula Nui

From: Alice P. Hewett, Pelekikena
Ko`olaupoko Hawaiian Civic Club

Re: Support for S.B. 1178 – Appropriation for He`eia NERRS

Aloha mai kakou!

On behalf of the Ko`olaupoko Hawaiian Civic Club, I send you greetings and much aloha from all of our members who reside primarily in the nine ahupua`a of Kane`ohe bay, moku Ko`olaupoko.

We stand in strong support of Senate Bill 1178, which would provide initial funding to staff the He`eia National Estuarine Research Reserve. This important public-private partnership will strengthen our state and this ahupua`a, in particular, by bringing together federal, state and community organizations to identify challenges and seek solutions for the environmental health of the He`eia estuary and its ahupua`a.

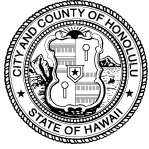
In the Senate's legislative program, we note that you have expressed a desire to prepare our islands for climate change and other environmental challenges that lie ahead for Hawai`i. The NERRS program, with significant federal investment for He`eia, enables Hawai`i and you, our senators, to "walk the talk". It fulfills our collective desire to malama our islands and this particular ahupua`a for current and future generations to come.

The funding in this bill provides the necessary 30% match to ensure the federal monies already set aside for Hawai`i.

We respectfully urge your kokua, your aloha`aina, and your vote in favor of passing this appropriation bill out from your committee, from the Senate Ways & Means Committee, and from the Legislature.

Mahalo nui for allowing us to share our mana`o.

The Ko`olaupoko Hawaiian Civic Club was established in 1937 and is one of the largest in the Association of Hawaiian Civic Clubs nationwide. Ko`olaupoko HCC is a not-for-profit community organization dedicated to preserving and perpetuating the history, heritage and culture of Native Hawaiians and providing leadership and scholarships. Its membership is open to people of Hawaiian ancestry and those who are "Hawaiian at heart."



KAHALU'U NEIGHBORHOOD BOARD NO. 29

(He'eia Kea, 'Āhuimanu, Kahalu'u, Waihe'e, Ka'alaea, Waiāhole, Waikāne, Hakipu'u, Kualoa)

c/o Neighborhood Commission Office • 925 Dillingham Boulevard, Suite 160 • Honolulu, Hawaii 96817
PHONE (808) 768-3710 • FAX (808) 768-3711 • INTERNET: <http://www.honolulu.gov/nco>

"LET US NOT EVER HAVE AN UNHAPPY MINORITY; RATHER, LET US BUILD A COMMUNITY CONSENSUS."

February 15, 2017

TO: COMMITTEE ON WATER AND LAND
FROM: KAHALU'U NEIGHBORHOOD BOARD #29
RE: SB 1178 HE'EIA NATIONAL ESTUARINE RESEARCH RESERVE

At its regular meeting on October 12, 2016, the Kahalu'u Neighborhood Board #29 moved to support the NOAA designation for the He'eia National Estuarine Research Reserve for the He'eia Ahupua'a on the windward side of O'ahu.

Now that the federal government has awarded the NOAA designation and federal funding, we request that the State of Hawai'i makes the appropriation of matching funds necessary for the initial staff to develop and manage the He'eia National Estuarine Research Reserve and its programs.

Mahalo,

Flora Obayashi
Chair, Kahalu'u Neighborhood Board #29
P.O. Box 113, Kaneohe, HI 96744
(808) 392-4728



From: mailinglist@capitol.hawaii.gov
To: [WTL Testimony](#)
Cc: bsager42@gmail.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM
Date: Tuesday, February 14, 2017 7:20:43 PM
Attachments: [HNERR Reso-WHS-170214.rtf](#)

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Bill Sager	Kaneohe Neighborhood Board - Environment Committee	Support	Yes

Comments: The attached file provides the primary reasons this project is vital to Kaneohe, Kaneohe Bay and to estuarian research nationally. The He'eia National Estuarian Research Reserve (HNERR) is unique in the Nation in that it combines traditional native practices with modern science. It is important to Kaneohe and Kaneohe Bay in that it provides opportunities to study a semi-urban, un-chanelized ahupua'a. The project will provide high quality jobs to Kaneohe and opportunities for in-place, hands-on education for the Castle Complex grade K-12. It will also provide intern opportunities in marine science for classes 9-12. The benefits to Koolaupoko are scientific, educational and economic. Successful implementation of HNERR require the state fund its share of the total project cost.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

The following are the primary reasons the Environmental Committee of the Kaneohe Neighborhood Board (KNB) Supports SB1178. It will be submitted to the KNB at our General Meeting tonight, 2/16 for action and hopefully approval.

Resolution in support of He'eia National Marine Research Reserve

WHEREAS, The management plan for the He'eia National Marine Research Reserve uses tradition ahupua'a management principles integrated with modern science to sustainably manage the He'eia estuary ;and

WHEREAS, The management plan objectives and strategies intentionally create a link between traditional knowledge and practices and contemporary management planning ;and

WHEREAS, The unique niche of the He'eia NERR provides an opportunity to study a semi-urban but un-chanelized watershed. ;and

WHEREAS, the information gained from studying not only the estuary but the entire ahupua'a will be a model for future generation in Hawaii and will contribute important information to the NERRS ;and

WHEREAS, An education program will be developed to involve students K-12 in place based education and training programs ;and

WHEREAS, Administration of the program will require hiring program managers and developing facilities which will provide long term economic benefits to Kaneohe ; and

WHEREAS, the long term goal of the HNERR is to develop the low land area below Kahakili Hwy into a traditional agricultural landscape ; and

WHEREAS, the Federal share of this project is \$70,000 and the State share is \$30,000



UNIVERSITY OF HAWAII SYSTEM

Legislative Testimony

Testimony Presented Before the
Senate Committees on Water & Land and Higher Education
Thursday, February 16, 2017 at 1:45 p.m.

By
Dr. Ruth D. Gates, Director
Hawai'i Institute of Marine Biology
University of Hawai'i at Mānoa

SB 1178 – MAKING AN APPROPRIATION FOR HE'EIA NATIONAL ESTUARINE RESEARCH RESERVE

Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees:

The University of Hawaii supports SB 1788, provided that its passage does not replace or adversely impact priorities as indicated in the university's board of regents approved executive biennium budget. This measure will allow the University of Hawai'i to staff the newly designated He'eia National Estuarine Research Reserve (NERR). The designation and inclusion of He'eia in the national network of estuarine reserve sites, marks the culmination of two years of collaborative action by members of the local community (Ko'olaupoko Hawaiian Civic Club, the Ko'olaupoko Foundation, Paepae O He'eia, Kāko'o 'Ōiwi) and the University of Hawai'i at Mānoa (Hawai'i Institute of Marine Biology).

The He'eia NERR is unlike any other in that it is a coalescence of community and science; federal, state and local efforts; and modern science and traditional knowledge that aims to implement and understand how restoration efforts in the He'eia wetland influence the health of the adjacent estuarine ecosystem. The federal funding that accompanies the He'eia NERR will serve to forward activities that explicitly expose the youth of Hawai'i, and students across the US, to a broad array of science concepts from land use to ecology to marine biology all in the context of traditional land management. The four positions requested in SB 1178 will coordinate research, management, education and cultural activities inside the He'eia NERR and are, in my opinion, the lynchpin to successful collaborative stewardship of the He'eia watershed.

Thank you for the opportunity to present testimony in support of this important Senate Bill.

Testimony Presented Before the
Senate Committee on Water and Land/ Higher Education

February 16, 2017 at 1:45pm

by

Katy Hintzen
Coastal Resilience Specialist, Sea Grant College Program
University of Hawai'i at Mānoa

Darren T. Lerner, PhD
Director, Sea Grant College Program
Interim Director, Water Resources Research Center
University Consortium Director, Pacific Islands Climate Science Center
University of Hawai'i at Mānoa

SB 1178 – MAKING AN APPROPRIATION FOR HE'EIA NATIONAL ESTUARINE RESEARCH
RESERVE

Chair Karl Rhoads, Vice Chair Mike Gabbard, and members of the committee:

The University of Hawai'i Sea Grant College Program (Hawai'i Sea Grant) supports the intent of SB 1178 provided that its passage does not replace or adversely impact priorities as indicated in the University's Board of Regents Approved Executive Biennium Budget.

Since 2014 Hawai'i Sea Grant has provided technical support and coordination to local stakeholder and partners in the He'eia watershed through the Hawaiian Islands Sentinel Site Cooperative (HISSC). The HISSC is one of five national cooperatives of the NOAA Sentinel Site Program which have a shared mission of improving understanding, long-range planning, and adaptation to climate change impacts. Not only has He'eia been recognized as a priority site through NOAA's Sentinel Site Program but it has also received national recognition through the Resilient Lands and Waters Initiative which is managed by the Department of Interior (DOI), Environmental Protection Agency (EPA), and NOAA.

Recently He'eia was designated Hawai'i's first National Estuarine Research Reserve. This designation provides an important opportunity to build upon initial investments and leverage assets from NOAA and other federal programs. The He'eia National Estuarine Research Reserve will bring together traditional methods of management with modern science to restore the watershed. Inclusion in the National Estuarine Research Reserve network will benefit the community and highlight He'eia as an example for the nation in the integration of culture and science.

SB 1178 would secure the State match for the Federal funding committed to the reserve bringing additional capacity and infrastructure to He'eia. The staff that this bill supports would contribute to the management and long range planning of the watershed and its coastal habitats.

Thank you for the opportunity to testify on this measure.



February 14, 2017

Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees on Water and Land and Higher Education, I thank you for this opportunity to provide my personal testimony in support of SB 1788, Making an Appropriation for the Heʻeia National Estuarine Research Reserve. I wish I was able to attend the hearing and offer you this testimony in person, but I am teaching my class at the University of Hawai'i at Mānoa at the same time as this hearing. As a faculty member at UH Mānoa, I must first say that I support the prioritization process used by the administration to establish their annual budgetary request to the legislature and can only advocate for additional funding of university programs if it does not negatively impact existing requests that are included in the executive budget. Having said that, I very strongly support this bill.

Over the last several years the National Oceanic and Atmospheric Administration (NOAA) and the State of Hawai'i Office of Planning (OP) have been working with Heʻeia Site Partners, including, Koʻolaupoko Hawaiian Civic Club, Koʻolaupoko Foundation, Paepae O Heʻeia, Kākoʻo ʻŌiwi and UH's Hawai'i Institute of Marine Biology (HIMB) to complete designation of Heʻeia as part of the NERR system as well as develop a 5-year Management Plan (MP) for the Heʻeia NERR. Through a series of well-attended public meetings, many members of the community were part of the discussions to develop the initial MP that will be implemented for the area. The establishment of a NERRS in Kāneʻohe Bay has been a goal since recommended in the Kāneʻohe Bay Master Plan, which was released in 1992, and is finally possible to realize.

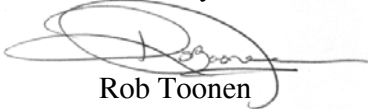
Now that Heʻeia has been designated as the 29th NERR site in the Nation, the site partners are ready to begin implementing the MP, but doing so will require support from the State to obtain the Federal investment. The bottom line for the State is that being designated as part of the NERR System means that NOAA has made a long-term commitment of federal funds (many of the sites have more than 40 years of support already) but that 70% Federal support requires a annual State match of at least 30%. We understand that this measure represents a significant investment by the State, but the benefits and long term returns on this investment will be substantial. In addition to a perpetual annual allocation of Federal funds, as well the ability to compete for several million dollars of Federal funding available only to members of the Reserve System, the majority of sites successfully leverage their State investment heavily. For example, the Hudson River NERR in NY, the Jacques Cousteau NERR in NJ, and the Guana Tolomato Matanzas NERR in FL all report leveraging of 4-5 to 1 on their State funding. We are confident that the Heʻeia NERR will likewise multiply the State investment and bring exceptional new opportunities to students, teachers, researchers and decision makers.

The Heʻeia NERRS will benefit not only the community around Kāneʻohe Bay, but will serve as an example across the Nation, because this NERR site is unlike any other in the National system - it is a coalescence of community and culture and research to combine modern science with traditional methods and cultural practices in the hope of restoring a more productive watershed from mauka to makai. It is important to note that a NERRS is not a sanctuary or Marine Life Conservation District. The designation as a NERRS site does not change any existing regulations or authority for the region (which currently lies with DLNR and HCDA), but does enable the individual efforts of each of the community groups involved in this partnership to coordinate into a larger vision for restoration of Heʻeia to return to Native Hawaiian practices in an effort to document the value of this management strategy. Additionally, unlike other federal NERRS, this designation

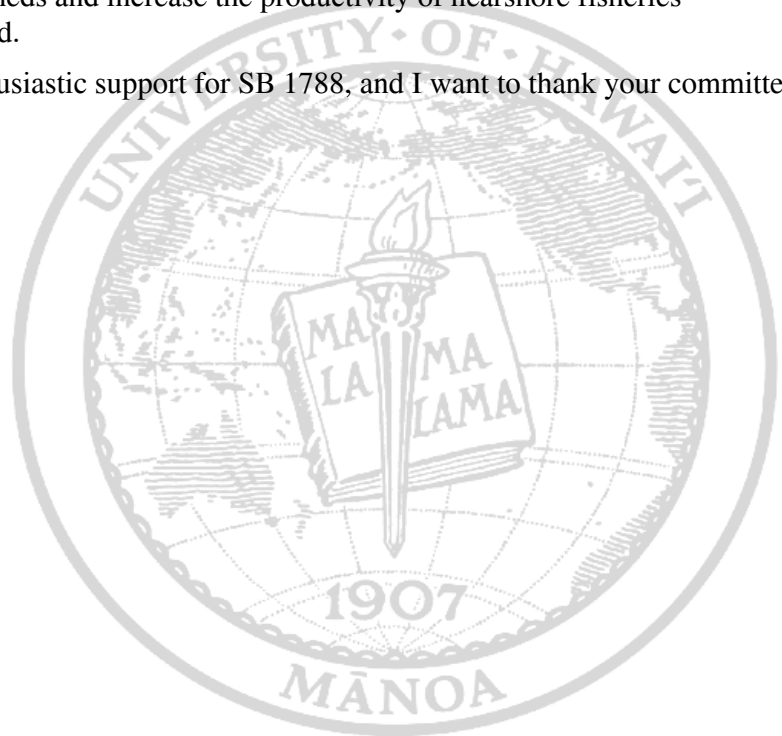
effort has been community led from the beginning. The NERRS will expose the youth of Hawai'i and those across the U.S. to a broad array of cultural and science concepts from historical and modern land use to ecological knowledge to cutting edge marine biology and will empower the community to restore He'eia with the backing from the State of Hawai'i and Federal funding. If successful, it will serve as an example for others who seek to restore impacted watersheds and increase the productivity of nearshore fisheries throughout the Hawaiian Islands and beyond.

In closing, I would like to reiterate my enthusiastic support for SB 1788, and I want to thank your committee for the opportunity to offer this testimony.

Sincerely,



Rob Toonen



Moku O Lo'e (Coconut Island)
P.O. Box 1346
Kāne'ohe, Hawai'i 96744-1346
Telephone: (808) 236-7401
Fax: (808) 236-7443

An Equal Opportunity/Affirmative Action Institution

Testimony of The Nature Conservancy of Hawai'i
Supporting S.B. 1178 Making Appropriation for He'eia
National Estuarine Research Reserve
Senate Committee on Water and Land
Senate Committee on Higher Education
Thursday, February 16, 2017, 1:45PM, Room 414

The Nature Conservancy of Hawai'i is a private non-profit conservation organization dedicated to the preservation of the lands and waters upon which life depends. The Conservancy has helped to protect nearly 200,000 acres of natural lands in Hawai'i. We manage 40,000 acres in 14 preserves and work in 19 coastal communities to help protect the near-shore reefs and waters of the main Hawaiian Islands. We forge partnerships with government, private parties and communities to protect Hawai'i's important watershed forests and coral reefs.

The Nature Conservancy supports S.B. 1178 which would provide funding for staffing in support of the He'eia National Estuarine Research Reserve. State funding is anticipated to be matched by \$700,000 in federal funds from the National Oceanic and Atmospheric Administration.

The National Estuarine Research Reserve System (NERRS) partners with states and territories to ensure long-term education, stewardship, and research on estuarine habitats. Atlantic, Gulf, Pacific, Caribbean and Great Lakes reserves advance knowledge and stewardship of estuaries and serve as a scientific foundation for coastal management decisions.

The ahupua'a of He'eia on the island of O'ahu is one of twelve NOAA-designated Sentinel Sites and in January 2017 was designated as the [29th National Estuarine Research Reserve](#). The He'eia NERR encompasses upland forests and grasslands, wetlands, reefs and seagrass beds, as well as Kāne'ohe Bay—the largest sheltered body of water in the Hawaiian Islands. The designation reflects the community's desire to ensure the protection and sustainable management of valued cultural, historical and natural resources. The proposed NERR will also enhance the community's capacity to use scientific information for decision-making, and increase local and national support for research, education, and restoration efforts in the region.

He'eia contains a world-class research institution (Hawai'i Institute for Marine Biology) and multiple community organizations including Ko'olaupoko Hawaiian Civic Club, Ko'olau Foundation, Kāko'o 'Ōiwi, Paepae o He'eia, and the He'eia State Park working together to develop and implement effective management strategies in an entire ahupua'a. Collaboration between these organizations is recognized as necessary because of the interconnected relationship each ecosystem has to another within the He'eia ahupua'a. Any effect up in the mountains will work its way into the wetlands and lo'i (traditional wetland agriculture systems), flow downstream to the loko i'a (fishponds) and eventually into the bay and onto coral reefs.

Ecologically, Kāne'ohe Bay is unique and the opportunity to highlight this special type of estuarine system is unparalleled in Hawai'i. From a research perspective, Kāne'ohe Bay has experienced a history of significant disturbances, from wastewater effluent to invasive algae. However, its variety of corals have shown to be some of the most resilient and able to recover from recent bleaching events around the entire state. This condition may provide insight into how to save other coral reefs around the state from future unfavorable ocean conditions.

BOARD OF TRUSTEES

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Thomas Gottlieb James Haynes III Sean Hehir Eiichiro Kuwana Duncan MacNaughton Kathy Matsui
James Polk Jean Rolles Scott Rolles Crystal Rose Dustin Sellers Nathan Smith Peter Tomozawa

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 13, 2017 11:56 AM
To: WTL Testimony
Cc: ndavlantes@aol.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/13/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Nancy Davlantes	Individual	Support	No

Comments: As a member of the Ko`olaupoko Hawaiian Civic Club, I ask your support for funding the He`eia National Estuarine Research Reserve (NERRS) in which our club is a community partner. The funding we are asking from the state will support 4 positions, including the reserve manager, research director, education director and cultural advisor. Mahalo for the opportunity to submit testimony.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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Maya Maleka Walton
1022 Prospect St. Apt. 404
Honolulu, HI, 96822

February 9, 2017

Dear Chair Rhoads, Vice Chair Gabbard, and members of the Senate Committee on Water & Land,

I am writing in support of SB1178. I'm a voter and resident living in the Makiki district in Honolulu and I spend my free time on the weekends volunteering to restore the streams, fishponds, wetlands, and lo'i in the He'eia watershed. There is a great work taking place in He'eia and a wonderful community of residents, researchers, local managers, cultural practitioners, educators, and young people who are dedicated to this place. I thank you for this opportunity to provide my personal testimony in support of SB1178, Relating to Making an Appropriation for the He'eia National Estuarine Research Reserve.

I strongly support this bill. The National Estuarine Research Reserve will add capacity and infrastructure to a place and projects that the community is already very invested in. I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

Aloha

Maya Walton

WTL Hearing 2-16-17 1:45 PM

SB 1178

Re: MAKING AN APPROPRIATION FOR HE'EIA NATIONAL ESTUARINE RESEARCH RESERVE

Please support SB 1178

Understanding our ocean resources is the best steps we can take to making sure we are sustainable and have them there for future generations. Thanks to all involved. I am an Aquarium Fisherman in the bay for over 35 years.

Ron Tubbs B.S.N.D.

rtubbs@hawaii.rr.com

Claire Lager, M.Sc.
53-412 Kamehameha Hwy
Hau'ula, HI 96717

Dear Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees,

I am writing you to provide my testimony in strong support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve. I thank you for this opportunity to provide my personal testimony in support of this bill.

I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

Sincerely,

Claire Lager

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 9:57 AM
To: WTL Testimony
Cc: ewbarba@hawaii.edu
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Evan Barba	Individual	Comments Only	No

Comments: Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees, I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve. I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees,

I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve.

I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort. Thanks.

Cassie Lyons

clyons@hawaii.edu

(808)990-0534

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 9:10 AM
To: WTL Testimony
Cc: puritz@hawaii.edu
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Jonathan	Individual	Support	No

Comments: Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees, I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve. I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 9:08 AM
To: WTL Testimony
Cc: kebahr@hotmail.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Keisha Bahr	Individual	Comments Only	No

Comments: Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees, I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve. I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 9:03 AM
To: WTL Testimony
Cc: ealenz@hawaii.edu
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Elizabeth Lenz	Individual	Support	No

Comments: Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees, I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve. I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 8:56 AM
To: WTL Testimony
Cc: vicentejan@gmail.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
JAN	Individual	Comments Only	No

Comments: I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees, I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve.

I urge you to vote in favor of this bill. If the state matches the federal funds that have already been secured to establish this reserve it will send a strong message to the community and to other states that Hawai'i is committed to integrating traditional management practices and research. Further, it will assist in the protection of resources that are critical to the well-being of Hawaiian ecosystems and residents. The reserve presents an exciting opportunity for our island, and I strongly encourage you to act in the best interest of your constituents and support this bill.

Thank you,

Eileen Nalley
PhD Candidate, UH Mānoa
eileen.nalley@gmail.com

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 11:29 AM
To: WTL Testimony
Cc: iknapp@hawaii.edu
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Ingrid Knapp	Individual	Support	No

Comments: I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 12:21 PM
To: WTL Testimony
Cc: horsemedicine@gmail.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Lizabeth Kashinsky	Individual	Support	No

Comments: I strongly support this bill and humbly ask that you do so as well. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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Richard Coleman
Ph.D Candidate
1022 Prospect St #404
Honolulu, HI 96822

Committee of Water & Land
Hawaii State Capitol
415 South Beretania St.
Honolulu, HI 96813

RE: Letter of support for HB588

6 February 2017

Dear Chair Yamane, Vice Chair Kong, and members of the Committee on Water & Land,

I am writing this letter in **support of HB588**, Relating to Making an Appropriation for the He'eia National Estuarine Research Reserve. This reserve provides a unique opportunity for science and traditional knowledge to come together to restore the He'eia watershed. The project will provide a direct benefit the surrounding communities as well as serve as a example to the rest of the nation of how science can be used as a tool to benefit local communities. I ask that you please support the passage of this bill to secure the States match for the Federal funding committed to this effort.

Kind regards,

A handwritten signature in black ink that reads "Richard Coleman". The signature is written in a cursive, flowing style.

Richard Coleman
Ph.D Candidate

Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees,

I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve.

I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

Yours sincerely,

Iria Fernandez Silva, PhD.

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 4:36 PM
To: WTL Testimony
Cc: bittermelonbaby@yahoo.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Yuko Stender	Individual	Support	No

Comments: Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees, I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve. I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 4:13 PM
To: WTL Testimony
Cc: bbowen@hawaii.edu
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Brian Bowen	Individual	Support	No

Comments: Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees, I support SB1178, making an appropriation for the He'eia National Estuarine Research Reserve. We all know what happened to Kaneohe Bay with the invasive algae. Monitoring is the only way to catch such problems early and eliminate them. Therefore I strong support the NERRS appropriation.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 14, 2017 7:59 PM
To: WTL Testimony
Cc: sischo@hawaii.edu
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/14/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
David Sischo	Individual	Support	No

Comments: I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 15, 2017 9:15 AM
To: WTL Testimony
Cc: angela.dona@gmail.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/15/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Angela Richards Dona	Individual	Support	No

Comments: Dear Chairs Rhoads and Kahele, and Vice Chairs Gabbard and Kidani and members of the committees, I thank you for this opportunity to provide my personal testimony in support of SB 1178, Making an Appropriation for the He'eia National Estuarine Research Reserve. I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort. Thank you for your time and consideration, Angela Richards Dona

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Hawai'i State Capitol
415 S. Beretania St
Honolulu, HI 96813

15 February 2017

Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani, and Members of the Committees,

Thank you so much for the opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve.

As a long-term resident of O'ahu who has worked in the Kāne'ohe Bay region for over a decade, I strongly support bill SB1178. This project will benefit the Kāne'ohe Bay community and serve as an example for the nation in how the integration of culture and science can bring about impactful results to communities. The reserve will provide a platform to meld traditional methods of management with modern science to help restore the impacted watershed of He'eia.

I ask that you support the passage of this bill to secure the State of Hawai'i funding match for the Federal funding committed to this effort.

Respectfully,

A handwritten signature in black ink, appearing to read "Matthew Iacchei". The signature is fluid and cursive, with the first name "Matthew" being more prominent than the last name "Iacchei".

Matthew Iacchei

59-065 Kahae Rd
Haleiwa, HI 96712
Email: Iacchei@hawaii.edu

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 15, 2017 7:28 AM
To: WTL Testimony
Cc: johanna_wren@hotmail.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/15/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Johanna Wren	Individual	Support	No

Comments: Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees, I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve. I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort. Aloha, Johanna

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 15, 2017 10:35 AM
To: WTL Testimony
Cc: michellergaither@gmail.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/15/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Michelle R. Gaither	Individual	Support	No

Comments: Chairs Rhoads and Kahele, Vice Chairs Gabbard and Kidani and members of the committees, I thank you for this opportunity to provide my personal testimony in support of SB1178, Making an Appropriation for the He'eia National Estuarine Research Reserve. I strongly support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 15, 2017 10:41 AM
To: WTL Testimony
Cc: shelleyannjones@gmail.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/15/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Shelley Jones	Individual	Support	No

Comments: I strong support this bill. This reserve will bring together traditional methods of management with modern science to restore the impacted watershed of He'eia. The project will benefit the community and serve as an example for the nation in the integration of culture and science and I ask that you support the passage of this bill to secure the State match for the Federal funding committed to this effort.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 15, 2017 12:06 PM
To: WTL Testimony
Cc: jonesjen@hawaii.rr.com
Subject: Submitted testimony for SB1178 on Feb 16, 2017 13:45PM

SB1178

Submitted on: 2/15/2017

Testimony for WTL/HRE on Feb 16, 2017 13:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Leilani Jones Tollefsen	Individual	Comments Only	No

Comments: I hereby submit support for the NERRS program. As a lifelong resident of the Heeia Ahu`pua`a.

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