

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**

**Wednesday, March 29, 2017
1:40 PM
State Capitol, Conference Room 211**

**In consideration of
HOUSE BILL 588, HOUSE DRAFT 1 SENATE DRAFT 1
RELATING TO MAKING AN APPROPRIATION FOR HE'ĒIA
NATIONAL ESTUARINE RESEARCH RESERVE**

House Bill 588, House Draft 1, Senate Draft 1, proposes to appropriate funds for Fiscal Year 2018-2019 for the initial staff necessary to develop and manage the He'ēia National Estuarine Research Reserve (NERR) and its programs. **The Department of Land and Natural Resources (Department) supports this measure.**

The measure would provide initial funding to the University of Hawaii of an unspecified amount to hire four, full-time, permanent employees to develop and manage the He'ēia NERR. The Department supported efforts to secure the NERR designation, as federal and state funds will go towards further research on the State's largest estuary in Kāne'ōhe Bay. The information that will be discovered about this ecosystem will help us 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



HAWAII COMMUNITY
DEVELOPMENT AUTHORITY



KAKA
KALAELOA

David Y. Ige
Governor

John Whalen
Chairperson

Jesse K. Souki
Executive Director

STATEMENT OF

JESSE K. SOUKI, EXECUTIVE DIRECTOR
HAWAII COMMUNITY DEVELOPMENT AUTHORITY

BEFORE THE

SENATE COMMITTEE ON WAYS AND MEANS

ON

Wednesday, March 29, 2017

1:40 P.M.

State Capitol, Conference Room 211

in consideration of

**HB588, HD1, SD1 – MAKING AN APPROPRIATION FOR HE‘EIA
NATIONAL ESTUARINE RESEARCH RESERVE**

Chair Tokuda, Vice Chair Dela Cruz, and members of the committee.

The Hawaii Community Development Authority (HCDA) **supports**
HB588, HD1, SD1.

While the HCDA board is a signatory to the He‘eia National Estuarine Research Reserve, 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 HB588, HD1, SD1 to support the reserve as long as it does not replace priorities requested in the Executive Budget.

Thank you for the opportunity to testify on this bill.

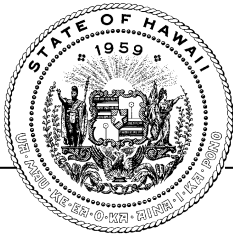
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**OFFICE OF PLANNING
STATE OF HAWAII**

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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 COMMITTEE ON WAYS AND MEANS
Wednesday, March 29, 2017
1:40 PM
State Capitol, Conference Room 211

in consideration of
HB 588, HD1, SD1
**RELATING TO MAKING AN APPROPRIATION FOR HE'EIA NATIONAL
ESTUARINE RESEARCH RESERVE.**

Chair Tokuda, Vice Chair Dela Cruz, and Members of the Senate Committee on Ways and Means.

The Office of Planning (OP) supports the intent of HB 588, HD1, SD1 provided that its passage does not replace or adversely impact priorities indicated in the Executive Budget. OP also defers to the University of Hawai'i (UH) for the specific staffing request to fulfill the State match requirement and necessary staffing support for the operation of the He'eia National Estuarine Research Reserve.

Thank you for the opportunity to testify on this measure.



UNIVERSITY OF HAWAII SYSTEM

Legislative Testimony

Testimony Presented Before the
Senate Committee on Ways and Means
Wednesday, March 29, 2017 at 1:40 p.m.

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

HB 588 HD1 SD1 – MAKING AN APPROPRIATION FOR HE'EIA NATIONAL ESTUARINE RESEARCH RESERVE

Chair Tokuda, Vice Chair Dela Cruz, and members of the committee.

The University of Hawai'i supports the intent of HB 588 HD1 SD1, provided that its passage does not replace or adversely impact priorities as indicated in the University's Board of Regents Approved Budget.

In my role as Director of the Hawai'i Institute of Marine Biology, I am presenting testimony in strong support of HB588 HD1 SD1, the success of which will allow the University 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, Kako'o'Oiwi) and the University of Hawaii 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 HB 588 HD1 SD1 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.

I ask the committee to approve HB588 HD1 SD1 and thank you for the opportunity to present testimony in support of this important House Bill.

Testimony of The Nature Conservancy of Hawaii'i
Supporting H.B. 588 HD1 SD1 Making Appropriation for He'eia
National Estuarine Research Reserve
Senate Committee on Ways and Means
Wednesday, March 29, 2017, 1:40PM, Room 308

The Nature Conservancy of Hawaii'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 Hawaii'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 Hawaii'i's important watershed forests and coral reefs.

The Nature Conservancy supports H.B. 588 HD1 SD1 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 (Hawaii'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 Hawaii'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

Mark Agne Paul Alston Christopher Benjamin Dr. C. Tana Burkert Anne Carter Richard Cooke III Brian Doyle
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James Polk Jean Rolles Scott Rolles Crystal Rose Dustin Sellers Nathan Smith Peter Tomozawa

From: mailinglist@capitol.hawaii.gov
Sent: Friday, March 24, 2017 9:54 PM
To: WAM Testimony
Cc: mkhan@hawaiiantel.net
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/24/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Leimomi Khan	Democratic Party of Hawaii, Hawaiian Affairs Caucu	Support	No

Comments: The Hawaiian Affairs Caucus, DPH, supports HB 588, HD1, SD1 that would appropriate funds for Fiscal Year 2018-2019 for the initial staff positions that are necessary to develop and manage the He'eia National Estuarine Research Reserve System and its programs. The value of NERRS is clearly articulated in HB 588 HD1 SD1 to warrant this appropriation, i.e. "the System is founded on the principle that long-term protection of representative estuaries provides stable platforms for research and education and the application of management practices that will benefit the nation's estuaries and coasts." Accordingly please pass HB588 HD 1 SD1.

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 26, 2017 11:14 AM
To: WAM Testimony
Cc: vicentejan@gmail.com
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/26/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
JAN	Hawaii Institute of Marine Biology	Comments Only	No

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. I have submitted testimony throughout this process because 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 allocation of funds for these core positions will ensure success of a project that benefits the community and will serve as an example for the nation in the integration of culture and science. Therefore, I ask that your committee approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia.

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KO`OLAUPOKO HAWAIIAN CIVIC CLUB

March 28, 2017

To: Sen. Jill N. Tokuda, Chair
Sen. Donovan M. Dela Cruz, Vice Chair
Members, Committee on Ways & Means

From: Alice P. Hewett, President
Ko'olaupoko Hawaiian Civic Club

Re: H.B. 588, H.D.1, S.D.1, Making an Appropriation for
He`eia National Estuarine Research Reserve

Aloha Chair Tokuda, Vice Chair Dela Cruz and Committee Members:

The Ko'olaupoko Hawaiian Civic Club strongly supports passage of House Bill 588, H.D.1, S.D.1, which would provide the state's match of funding for federal monies committed to the He`eia National Estuarine Research Reserve System (He`eia NERRS).

We are pleased to note that this important ahupua`a in Ko'olaupoko has received national recognition as an estuarine research reserve as well as a sentinel site, highlighting the value of collaborative efforts between federal, state and local partners to identify environmental challenges to this area and working on solutions to correct those problems.

Much work has gone into reclaiming important farm and fishpond resources of He`eia as well as Kane`ohe bay. In our view, this commitment of state funding for the program engages our community as partners in the stewardship of this ahupua`a. This is something that our civic club has advocated for many years, to ensure better management of resources for future generations.

Your support of this bill, by approving it and including funding in the state budget, would be a wise investment in food and environmental sustainability for Ko'olaupoko.

We extend our heartfelt request to you and urge your committee to approve this bill.

Mahalo 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."

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 28, 2017 1:54 PM
To: WAM Testimony
Cc: malamapono744@aol.com
Subject: *Submitted testimony for HB588 on Mar 29, 2017 13:40PM*

HB588

Submitted on: 3/28/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Aaron D. Mahi	Ko`olau Foundation	Support	Yes

Comments:

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KAMEHAMEHA SCHOOLS®

Senate Committee on Ways and Means

Time: 1:40 p.m.

Date: March 29, 2017

Where: State Capitol Room 211

TESTIMONY

By Kā'eo Duarte

Kamehameha Schools

To: Chair Tokuda, Vice Chair Dela Cruz and Members of the Committee

RE: **HB 588 HD1, SD1, Making An Appropriation for He'eia National Estuarine Research Reserve**

E ka Luna Ho'omalua Tokuda, ka Hope Luna Ho'omalua Dela Cruz a me nā Lālā o ke Kōmike o nā Loa'a a me nā Ho'olilo o ka 'Aha Kenekoa, aloha! My name is Kā'eo Duarte and I serve as the Vice President of Community Engagement and Resources of Kamehameha Schools.

Kamehameha Schools is writing in **support of HB 588, HD 1, SD1**. The bill will provide funds that will help advance the He'eia estuary with science research allowing Hawai'i to learn more about the intersection of the marine and terrestrial environments within the newly established He'eia National Estuarine Research Reserve. This research will provide critical insight into the current and future stewardship of He'eia's near shore and coastal waters, including He'eia fishpond, a traditional resource that has been restored to produce food for Hawai'i.

Founded in 1887, Kamehameha Schools is an organization striving to advance a thriving Lāhui where all Native Hawaiians are successful, grounded in traditional values, and leading in the local and global communities. We believe that community success is individual success, Hawaiian culture-based education leads to academic success and local leadership drives global leadership.

'A'ohe hana nui ke alu 'ia. No task is too large when we all work together! Mahalo nui.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, March 24, 2017 4:59 PM
To: WAM Testimony
Cc: hawaiifishingfanatic@gmail.com
Subject: *Submitted testimony for HB588 on Mar 29, 2017 13:40PM*

HB588

Submitted on: 3/24/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Don Aweau	Individual	Support	No

Comments:

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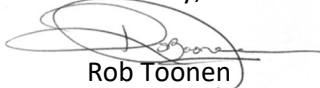
Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588, HD1, SD1 Relating to Making an Appropriation for the He'eia National Estuarine Research Reserve (NERR). I strongly support this bill.

I have offered testimony in support of this bill throughout the process and wish I was able to attend this final decision making hearing, but I am off island right now. I support HB588 because it supports the removal of alien invasive species and the restoration of the He'eia NERR property to traditional Native Hawaiian Ahupua'a management practices to document the value of this management strategy. This vision is in line with the many community partners at the site, including including, Ko'olaupoko Hawaiian Civic Club, Ko'olaupoko Foundation, Paepae O He'eia, Kāko'o 'Ōiwi and the University of Hawai'i, Hawai'i Institute of Marine Biology (HIMB) and State agencies (including OP, DLNR, & HCDA) who are tasked with the management of this area.

The site partners are ready to begin implementing the publicly-vetted management plan, but doing so will require support. As the Federal Partner, NOAA has committed to long-term support of the site (the oldest in the system has enjoyed ~40 years of continuous Federal funding) but the Coastal Zone Management Act limits their support to no more than 70% of the total operating budget, which requires the State to provide the additional 30% to qualify for the Federal funding. As this will be an annual requirement, the allocation of State-funded FTEs for a full-time reserve manager, and education, research and cultural resource faculty housed within UH would fulfil the permanent need for a State match. These permanent positions will be charged with implementing the management plan by coordinating efforts among all the site partners and the community as well as ensuring that the efforts of each will be enhanced through the partnership to the benefit of the broader community.

In closing, I would like to reiterate my most enthusiastic possible support for HB588, HD1, SD1 and I want to thank your committee for their support and the opportunity to offer this testimony.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rob Toonen', is written over a horizontal line.

Rob Toonen

Professor of Marine Biology

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 26, 2017 7:25 AM
To: WAM Testimony
Cc: michellergaither@gmail.com
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/26/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

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

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. I have submitted testimony throughout this process because 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 allocation of funds for these core positions will ensure success of a project that benefits the community and will serve as an example for the nation in the integration of culture and science. Therefore, I ask that your committee approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia.

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 26, 2017 6:52 AM
To: WAM Testimony
Cc: carolyfong@gmail.com
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/26/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Carol Fong	Individual	Support	No

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. I have submitted testimony throughout this process because 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 allocation of funds for these core positions will ensure success of a project that benefits the community and will serve as an example for the nation in the integration of culture and science. Therefore, I ask that your committee approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia.

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 26, 2017 9:48 AM
To: WAM Testimony
Cc: iknapp@hawaii.edu
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/26/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

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

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. I have submitted testimony throughout this process because 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 allocation of funds for these core positions will ensure success of a project that benefits the community and will serve as an example for the nation in the integration of culture and science. Therefore, I ask that your committee approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia.

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 26, 2017 10:21 AM
To: WAM Testimony
Cc: al.dudoit@hawaii.edu
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/26/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

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

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. I have submitted testimony throughout this process because 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 allocation of funds for these core positions will ensure success of a project that benefits the community and will serve as an example for the nation in the integration of culture and science. Therefore, I ask that your committee approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia.

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 26, 2017 11:01 AM
To: WAM Testimony
Cc: zac@hawaii.edu
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/26/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Zac Forsman	Individual	Support	No

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means. Once again I thank you for continued opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. I continue to submit testimony keeping a close eye on this process with great interest because I strongly support this bill. This reserve will merge and bridge together traditional management with modern science to return the impacted watershed of He'eia to a sustainable traditional source of agriculture. The allocation of funds for the central positions will allow this to happen, benefiting the local community, serving as an example for the world how traditional and scientific knowledge can be bridged for sustainable outcomes. I urge you to approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia. Mahalo nui loa. -Zac H. Forsman

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

27 March 2017

Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means,

Thank you so much for the opportunity to provide my personal testimony in support of HB588, HD1, SD1, 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 HB588. I have submitted testimony throughout this legislative process because I think 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.

The allocation of funds for these core positions will ensure success of a project that will benefit the community. I ask that you approve the State of Hawaii's commitment to match the Federal funding allocated to this effort to restore the He'eia ahupua'a.

Respectfully,

A handwritten signature in black ink, appearing to read "Matthew Iacchei". The signature is written in a cursive style with a large initial "M".

Matthew Iacchei

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 27, 2017 2:27 PM
To: WAM Testimony
Cc: donaleik@hawaii.edu
Subject: *Submitted testimony for HB588 on Mar 29, 2017 13:40PM*

HB588

Submitted on: 3/27/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

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

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 27, 2017 12:13 PM
To: WAM Testimony
Cc: bbowen@hawaii.edu
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/27/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

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

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. The only way to catch invasive species is by detecting them early. The NERRS designation would provide his service for Kāne'ōhe Bay. Kāne'ōhe Bay is unique for many reasons, as the only estuarine habitat in Hawai'i, the only major tropical estuary in the United States, the only lagoonal habitat in the main Hawaiian Islands, a calving ground for hammerhead sharks, and a refuge for honu. Furthermore, because Kāne'ōhe Bay is semi-enclosed with freshwater runoff, it contains coral reef conditions (temperature and acidity) that are projected to become widespread in coming decades. That means it is a window into the future of coral reefs, and a very important study site for conservationists and scientists concerned about the future of coral reefs. Notably, all these features can be maintained without curtailing current fishing and recreational activities in the bay, so there essentially no downside to NERRS designation. For all these reasons, I strongly support the NERRS designation.

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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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 27, 2017 10:23 AM
To: WAM Testimony
Cc: johanna_wren@hotmail.com
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/27/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

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

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. I have submitted testimony throughout this process because 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 allocation of funds for these core positions will ensure success of a project that benefits the community and will serve as an example for the nation in the integration of culture and science. Therefore, I ask that your committee approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia. Best regards, Johanna

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 27, 2017 8:44 AM
To: WAM Testimony
Cc: lindsayv@hawaii.edu
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/27/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Lindsay Veazey	Individual	Support	No

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. I have submitted testimony throughout this process because 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 allocation of funds for these core positions will ensure success of a project that benefits the community and will serve as an example for the nation in the integration of culture and science. Therefore, I ask that your committee approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia.

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 26, 2017 6:20 PM
To: WAM Testimony
Cc: across@hawaii.edu
Subject: Submitted testimony for HB588 on Mar 29, 2017 13:40PM

HB588

Submitted on: 3/26/2017

Testimony for WAM on Mar 29, 2017 13:40PM in Conference Room 211

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

Comments: Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means, I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 Making an Appropriation for the He'eia National Estuarine Research Reserve. I have submitted testimony throughout this process because 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 allocation of funds for these core positions will ensure success of a project that benefits the community and will serve as an example for the nation in the integration of culture and science. Therefore, I ask that your committee approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia.

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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Richard Coleman
1022 Prospect St #404
Honolulu, HI 96822

Senate Ways & Means Committee
Hawaii State Capitol
415 South Beretania St.
Honolulu, HI 96813

RE: Letter of support for HB 588, HD1, SD1

26 March 2017

Dear Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means ,

I am writing this letter in **support of HB 558, HD1 SD1**, Making an Appropriation for the He'eia National Estuarine Research Reserve. I have submitted testimony throughout this process because I strongly support this bill. 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

Chair Tokuda, Vice Chair Dela Cruz, and the Senate Committee on Ways and Means,

I thank you for this opportunity to provide my personal testimony in support of HB588,HD1,SD1 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. In addition, it will seek to include traditional knowledge about systems that can supplement scientific research to both honor indigenous ways of life and bring benefit to local communities. The project will be beneficial to the community, serve as an example for the nation in the integration of culture and science, and begin valuable steps toward decolonizing our ways of research in this country. Therefore, I ask that your committee approve the State commitment to match the Federal funding for this long-term effort to restore an area of ahupua'a management to He'eia.

Sincerely,

Michael Hoban
PhD Student
Hawai'i Institute of Marine Biology
mhoban@hawaii.edu