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GOVERNOR OF
HAWAII



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

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FIRST DEPUTY

JEFFREY T. PEARSON, P.E.
DEPUTY DIRECTOR - WATER

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

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 Committee on
OCEAN, MARINE RESOURCES & HAWAIIAN AFFAIRS

Wednesday, March 16, 2016
9:00 am

State Capitol, Conference Room 325

In consideration of
SENATE BILL 2972, SENATE DRAFT 1
RELATING TO BEACH MANAGEMENT FOR THE NORTH SHORE OF O'AHU

Senate Bill 2972, Senate Draft 1 appropriates funds to the University of Hawai'i Sea Grant College Program (Hawai'i Sea Grant) to create a beach management plan for the north shore of O'ahu stretching from the Kawailoa to Waiale'e ahupua'a. **The Department of Land and Natural Resources (Department) supports this bill provided that it supports the goals of the Hawaii Climate Adaptation Initiation Act (Act 83, SLH, 2015), and its passage does not replace or adversely impact priorities indicated in the Executive Biennium Budget request.**

This legislation endeavors to improve understanding and management of beach resources along the fifteen-mile stretch of coastline from Kawailoa to Waiale'e ahupua'a, which is of primary importance to state residents and visitors from around the world for its beautiful beaches, world-class surf breaks, and marine resources.

As you know, part of the Department's mission is to manage coastal areas and ocean resources through the Department's Office of Conservation and Coastal Lands (OCCL). A recent study by researchers from the University of Hawai'i (UH) and United States Geological Survey¹ finds the 73% of beaches along the north shore of Oahu are undergoing a long-term trend of beach erosion (shoreline retreat). The threat of seasonal erosion and inundation during large waves may be an even greater hazard along many north shore beaches as we've witnessed during this year's massive El Niño "fueled" waves. Management and conservation of north shore beaches is further challenged by a legacy of concentrated development too close to hazard-prone shorelines,

¹ Fletcher, C.H., *et al.*, 2012, National assessment of shoreline change: Historical shoreline change in the Hawaiian Islands: U.S. Geological Survey Open-File Report 2011-1051, 55 p.

as well as impacts from intensive public use. Frequency and severity of coastal erosion and coastal flooding events will only increase with increasing rates of sea level rise in the coming decades.

The Department has been especially busy with beach management efforts on the north shore over the past several years with a series of highly publicized coastal erosion events in the Sunset Beach area and seawall failures in the Kawaihoa area. The Department is working closely with local residents and county and federal agencies to coordinate and authorize short-term solutions to manage erosion problems, while also working to protect public beach and marine resources.

The Department, county, state, and federal agencies that share regulatory oversight of the north shore, as well as the local community and property owners, would greatly benefit from improved scientific information on beach processes through a coordinated, community-supported plan guiding future beach management efforts.

Management agencies such as the Department of Transportation, Highways Division, and the City and County of Honolulu, Department of Parks and Recreation would benefit from improved information and guidance for managing coastal hazards within their respective areas of jurisdiction – e.g., erosion and flooding along sections of Kamehameha Highway, and sand deficit issues within county beach parks. Private land owners along this important stretch of public shoreline could benefit from higher resolution information regarding beach morphology and littoral sand processes.

The Department has worked closely with Hawai‘i Sea Grant for over 10 years in support of the OCCL’s Coastal Lands Program. Collaborative efforts between the Department and Hawai‘i Sea Grant include development of the Kailua Beach and Dune Management Plan in 2010. Hawai‘i Sea Grant is ideally suited to develop a north shore beach management plan due to the organization’s affiliations with UH researchers and expertise in community extension and outreach. As long as a North Shore Beach Management Plan is consistent with and enhances the Department’s on-going Sea level Rise Vulnerability and Adaptation Report planning process, the Department supports the measure, under the condition that its passage does not replace or adversely impact priorities indicated in the Executive Biennium Budget request.

Thank you for the opportunity to testify on this measure.



UNIVERSITY OF HAWAII SYSTEM

Legislative Testimony

Testimony Presented Before the
House Committee on Ocean, Marine Resources, and Hawaiian Affairs
Wednesday, March 16, 2016 at 9:00 a.m.

By
Robert Bley-Vroman, Chancellor
and
Darren T. Lerner, Director
Dolan Eversole, Extension Agent
Sea Grant College Program
University of Hawai'i at Mānoa

SB 2972 SD1 – RELATING TO BEACH MANAGEMENT FOR THE NORTH SHORE OF OAHU

Chair Ing, Vice Chair Lowen, and Members of the Committee:

The University of Hawai'i Sea Grant College Program (Hawai'i Sea Grant) supports the intent of SB 2972 SD1 provided that its passage does not replace or adversely impact priorities as indicated in the University's Board of Regents approved executive biennium budget. The bill appropriates funds to Hawai'i Sea Grant to create a beach management plan for the north shore of Oahu stretching from the Kawaihoa to Waiale'e ahupua'a. This legislation endeavors to improve the scientific understanding and sustainable management of beach resources along North Shore of O'ahu from Kawaihoa to Waiale'e ahupua'a, roughly Laniakea beach to Sunset Beach. This heavily used coastal stretch is world renown for its beautiful beaches, world-class surf breaks, and marine resources and warrants a dedicated regional beach and dune management plan to conserve and sustainably manage this unique area. **Hawai'i Sea Grant supports this important effort but respectfully requests consideration for the establishment of a new fund rather than utilizing the Department of Land and Natural Resources (DLNR), Beach Restoration Special Fund as currently specified in SB 2972 SD1. A dedicated appropriation, separate from the aforementioned DLNR Fund would allow for a focused effort by Hawai'i Sea Grant to create a beach management plan for the North Shore, would maintain DLNR's current efforts that support the development of other planned beach conservation efforts and would allow for synergistic efforts between these two organizations on all of these activities including the North Shore Beach Management Plan.**

The North Shore community has consistently expressed strong interest and support for a beach management plan. The development of a regional beach management plan requires the support and participation of the community in order to ensure successful implementation of priority management strategies. In this respect, Hawai'i Sea Grant supports and encourages continued community engagement and discussion on the topic to assist in the development and review the objectives of the plan and allow an opportunity

for the community to share their comments, ideas and concerns for the management of this community resource.

Hawai'i's beaches have become increasingly threatened by coastal erosion. According to the United States Geological Service (USGS) National Assessment of Shoreline Change for the Hawaiian Islands, 70% of Hawai'i's beaches are eroding and 13 miles of beach have been lost over the last century. Beach erosion effects shoreline access, recreation and cultural activities, coastal ecosystems and environments, and our economy. Beaches are the backbone of Hawai'i's \$15 Billion tourism industry and are central to Hawai'i's unique culture and lifestyle. With sea-level rise and chronic coastal erosion, the state is challenged to find effective and efficient ways to preserve and maintain our naturally occurring sand beaches. We believe the proposed legislation will support sustainable management plans that attempt to address this issue.

There is an increasingly strong scientific consensus that sea-level rise will accelerate in the coming decades. The impacts of this are just beginning to be felt here in Hawai'i with accelerated rates of coastal erosion and increasing frequency of coastal inundation. Hawai'i Sea Grant has been involved with providing scientific and technical support for climate change impacts including sea-level rise to a wide range of stakeholders including communities and state and local agencies statewide. Establishing a beach management plan that recognizes and assesses the impacts of sea-level rise in high risk areas will provide accommodation and mitigation opportunities and offer more policy and regulatory options for future generations of residents and coastal managers dealing with coastal conservation and protection.

This type of environmental policy is consistent with President Obama's 2015 Executive Order 11988 regarding the Federal Flood Risk Management Standard. In recognition of the threat of sea level rise, the U.S. Congress in their FY2016 omnibus package made it a law that federal agencies plan for rising seas in all projects. Executive Order 11988 requires that all projects using federal funding must meet a federal flood risk standard that either:

- 1) Use data and methods "informed by best-available, actionable climate science";
- 2) Build 2 ft. above the 100-year flood elevation for standard projects, and 3 ft. above for critical buildings (hospitals and evacuation centers); or
- 3) Build to the 500-year flood elevation.

SB2972 SD1 provides support for the development of a coastal processes study and creates a science-based north shore beach management plan, with substantial community and stakeholder input, over a two-year period. The University of Hawai'i is well positioned to carry this out and has successfully developed similar beach and dune management plans in Hawai'i including the [Kailua Beach and Dune Management Plan](#) and the [Beach Management Plan for Maui](#).

Thank you for the opportunity to testify on this measure.

<http://seagrant.soest.hawaii.edu/kailua-beach-and-dune-management-plan>

<http://seagrant.soest.hawaii.edu/sites/default/files/publications/MauiBeachManagementPlan2008.pdf>

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
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Web site: www.honolulu.gov

KIRK CALDWELL
MAYOR



ROBERT J. KRONING, P.E.
DIRECTOR

MARK YONAMINE, P.E.
DEPUTY DIRECTOR

March 14, 2016

The Honorable Kaniela Ing, Chair
and Members
House Committee on Ocean, Marine Resources and Hawaiian Affairs
State Capitol, Room 311
415 South Beretania Street
Honolulu, Hawaii 96813

Dear Chair Ing and Members:

SUBJECT: Senate Bill No. 2972 SD1, Relating to Beach Management for the
North Shore of Oahu

The Department of Design and Construction (DDC) respectfully **supports** Senate Bill No. 2972 SD1, which appropriates funds to the University of Hawaii Sea Grant College Program to create a beach management plan for the North Shore of Oahu stretching from the Kawailoa to Waiale'e ahupua'a. City beach parks comprise a significant portion of the total land area along the specified coastline.

The Department of Parks and Recreation (DPR) is responsible for operation and maintenance of the City's parks. DDC works with DPR on matters concerning park facilities and infrastructure, including threats to park land and facilities by shoreline erosion. The proposed legislation would provide a comprehensive approach to addressing an ongoing problem that is expected to increase due to climate change and the associated sea level rise projected to occur over the coming decades.

The City has begun to address the problem at our shoreline parks, but has not yet formulated a plan for the area addressed in this bill. The City contracted with Sea Engineering, Incorporated, to prepare an April 2010 report entitled, *City Beach Parks Erosion Study, Island Of O'ahu, Hawaii*. This report surveyed the entire island's shoreline with the exception of the Leeward Coast. A Leeward shoreline study by the same firm has been recently completed. The City also has plans to address the protection of City infrastructure and beach resources at Hale'iwa, Punalu'u and Hau'ula Beach Parks. The proposed beach management plan would complement, but would not duplicate, the City's ongoing efforts in this regard.

The City would welcome the opportunity to participate in the beach management planning process and would have an implementation role for shoreline areas where the City owns and/or controls public park lands.

For these reasons, DDC respectfully **supports** Senate Bill 2972 SD1.

The Honorable Kaniela Ing
and Members
March 14, 2016
Page 2

Thank you for the opportunity to testify.

Very truly yours,



Robert J. Kroning, P.E.
Director



Mālama Pūpūkea-Waimea
Post Office Box 188
Hale'iwa, HI 96712

Board of Directors

Denise Antolini
Colette Coty
John Cutting
Bob Leinau
Jim Parsons
Laura Parsons

Advisory Council

Athline Clark
Dr. Alan Friedlander
Debbie Gowensmith
Bill Quinlan
Palakiko Yagodich

Staff

Maxx Elizabeth Phillips,
Managing Director
Jenny Yagodich, Director of
Educational Programs &
Community Outreach

Federal Nonprofit Organization
501(c)(3) FEIN 27-0855937
www.pupukeawaimea.org
info@pupukeawaimea.org

Testimony in Support of SB2972 SD1
North Shore Beach Management Plan

COMMITTEE ON OCEAN, MARINE RESOURCES & HAWAIIAN AFFAIRS
Rep. Kaniela Ing, Chair
Rep. Nicole E. Lowen, Vice Chair

Wednesday, March 16, 2016
9:00 a.m. Conference Room 325

Dear Chair Ing, Vice Chair Lowen, and Committee Members:

We write in **strong support of SB2972 SD1** to support and fund a **North Shore Beach Management Plan** under the leadership of UH Sea Grant. It is vital, however, that **the funding for this bill come from new state funds** (e.g., added to the beach restoration special fund specified in SD1) and not detract from existing funding priorities for the Department of Land & Natural Resources or the University of Hawai'i. **SB2972 SD1 would save considerable time and money for the State, City, and community by coordinating and integrating city-state-community planning efforts along this important shoreline.**

Mālama Pūpūkea-Waimea has witnessed and is particularly concerned about the coastal erosion in the ahupua'a of Pūpūkea and Waimea, which include the heavily used Pūpūkea Beach Park (Sharks Cove, Three Tables) and Waimea Beach Park. Our board, staff, and members, many of whom live along this coastline, have witnessed the tragic erosion of the North Shore shoreline resulting in a safety issues, property risks, and ecological threats. The negative trend of coastal erosion is, unfortunately, only getting worse and shows no sign of natural reversal. A proactive and resilient approach that involves a broad spectrum of the community is desperately needed.

UH Sea Grant has considerable expertise in this area, having completed the Kailua Beach and Dune Management Plan in 2010 and a Maui Beach Management Plan in 2008, and is well positioned to lead this community planning effort, which can become a model for future collaborative efforts in other beach areas statewide. Please support **adequate and new state funds** for this important bill.

Mahalo nui!

Sincerely,

Denise Antolini, President

Save Sunset Beach Coalition
P.O. Box 301
Haleiwa, HI 96712
savehaleiwabeachpark.org@gmail.com

Testimony in Support of SB2972 SD1
North Shore Beach Management Plan
COMMITTEE ON OCEAN, MARINE RESOURCES & HAWAIIAN AFFAIRS
Rep. Kaniela Ing, Chair
Rep. Nicole E. Lowen, Vice Chair
Wednesday, March 16, 2016
9:00 a.m. Conference Room 325

Dear Chair Ing, Vice Chair Lowen, and Committee Members:

My Name is Ian Anderson and I am a resident of the North Shore of Oahu and am the President of the Save Sunset Beach Coalition.

We write in **Strong Support** of SB2972 SD1 to support and fund a North Shore Beach Management Plan under the leadership of UH Sea Grant. It is vital, however, that the funding for this bill come from new state funds (e.g., added to the beach restoration special fund specified in SD1) and not detract from existing funding priorities for the Department of Land & Natural Resources or the University of Hawai'i. SB2972 SD1 would save considerable time and money for the State, City, and community by coordinating and integrating city-state-community planning efforts along this important shoreline.

Save Sunset Beach Coalition has witnessed and is specifically concerned about the coastal erosion in the ahupua'a of Pupukea and Waimea, which include the heavily used Pupukea Beach Park (Sharks Cove, Three Tables) and Waimea Beach Park. Our board, staff, and members, many of whom live along this coastline, have witnessed the tragic erosion of the North Shore shoreline resulting in a safety issues, property risks, and ecological threats. The negative trend of coastal erosion is, unfortunately, only getting worse and shows no sign of natural reversal. A proactive and resilient approach that involves a broad spectrum of the community is desperately needed.

UH Sea Grant has considerable expertise in this area, having completed the Kailua Beach and Dune Management Plan in 2010 and a Maui Beach Management Plan in 2008, and is well positioned to lead this community planning effort, which can become a model for future collaborative efforts in other beach areas statewide. Please support adequate and new state funds for this important bill.

Respectfully,



Ian Anderson
President
Save Sunset Beach Coalition
DBA: Save Sharks Cove Coalition
P.O. Box 301 Haleiwa, HI 96712
savehaleiwabeachpark.org@gmail.com





March 11, 2016

Representative Kaniela Ing, Chair
Representative Nicole E. Lowen, Vice Chair
Committee on Ocean, Marine Resources
& Hawaiian Affairs

Comments and Support of SB 2972, SD1 Relating to Beach Management for the North Shore of Oahu. (Appropriates funds to the University of Hawaii Sea Grant College Program to create a North Shore Beach Management Plan for the North Shore of Oahu stretching from the Kawailoa to Waiale‘e ahupua‘a.)

OMH Hearing: Wednesday, March 16, 2016, 9:00 a.m., Conf. Rm. 325

The Land Use Research Foundation of Hawaii (LURF) is a private, non-profit research and trade association whose members include major Hawaii landowners, developers and a utility company. One of LURF’s missions is to advocate for reasonable, rational and equitable land use planning, legislation and regulations that encourage well-planned economic growth and development, while safeguarding Hawaii’s significant natural and cultural resources and public health and safety.

LURF appreciates the opportunity to express its **support for SB 2972, SD1 and comments**. For over a hundred years, LURF members have been long-time stewards of Hawaii’s lands, native endangered and threatened species, and coastlines, including its sandy beaches, surf breaks, recreational opportunities, marine resources and wildlife, and vistas. Over the years, LURF and its members (who include coastal land owners), have worked with a *broad* group of stakeholders dedicated to the preservation and restoration of Hawaii’s shorelines, including, but not limited to, shoreline property owners and businesses that would be affected; private sector, academic and government professionals and organizations, including the University of Hawaii Sea Grant College Program (Hawaii Sea Grant); federal, State and county government agencies responsible for shoreline areas, and community members and organizations. This broad collaboration has often resulted in *comprehensive* recommendations relating to innovative and environmentally-friendly solutions for managing coastal erosion and to preserve private property rights, as well as Hawaii’s beaches and shoreline environments, culture and way of life.

SB 2972, SD1. This measure would appropriate funds to Hawaii Sea Grant over the course of a two-year period, to create a *comprehensive* North Shore Beach Management Plan for the North Shore of Oahu stretching from the Kawailoa to Waiale‘e ahupua‘a. The bill also states, *“The large number of government, business, private, and community entities involved in the north shore would benefit from participating in the development and implementation of a comprehensive beach management plan for this vulnerable area.”*

LURF’s Position and Comments. LURF **supports SB 2972, SD1** and encourages Hawaii Sea Grant to continue its practice of *broad* input from community stakeholders, including, but not limited to, North Shore landowners and businesses who would be affected; private sector, academic and government professionals and organizations; and federal, state and county government agencies and community members and organizations. LURF encourages Hawaii Sea Grant to continue its practice of including *comprehensive* recommendations relating to innovative and environmentally-friendly solutions for managing coastal erosion and to preserve North Shore beaches and shoreline environments.

For the above reasons, LURF **supports SB 2972, SD1** and respectfully urges your favorable consideration.

Thank you for the opportunity to present testimony regarding this matter.



Testimony Presented Before the
House Committee on
OCEAN, MARINE RESOURCES, AND HAWAIIAN AFFAIRS

Wednesday, March 16, 2016 at 9:00 am
Conference Room 325

By
HAWAII SHORE AND BEACH PRESERVATION ASSOCIATION

In consideration of
SENATE BILL 2972, SD1 – RELATING TO BEACH MANAGEMENT
FOR THE NORTH SHORE OF OAHU

Senate Bill 2972, SD1 appropriates funds to the University of Hawaii Sea Grant Program to create a beach management plan for the north shore of Oahu stretching from Kawaihoa to Waiale'e.

The Hawaii Shore and Beach Preservation Association (HSBPA)* supports Senate Bill 2972, SD1. Recent dramatic beach erosion events on Oahu's North Shore have threatened homes and property. Many HSBPA members have been active participants in observing the events and advising homeowners and government agencies on how best to preserve their property, yet maintain the unique character of the North Shore coastal environment. This environment is dynamic and complex. A comprehensive assessment and modern management plan would benefit the North Shore community and offer a path forward to understand and preserve one of Hawaii's most valuable treasures.

The North Shore community continues to express strong interest and support for a beach management plan, and engaging with the community throughout the process will be important in order to ensure the successful implementation of priority management strategies. In this respect, the HSBPA also supports and encourages the planned "community conversations" to discuss the objectives of the plan and allow an opportunity for the community to share their comments, ideas and concerns for the management of this community resource.

Please note that although HSBPA offers strong support for this bill, we respectfully request consideration for the establishment of a new fund for this effort as opposed to utilizing the existing Department of Land and Natural Resources (DLNR) Beach Restoration Fund as specified in the current version of SB 2972, SD1. The DLNR Beach Restoration Fund has limited monies that are already supporting ongoing and future planned beach conservation efforts across the State.



A dedicated appropriation in support of a North Shore Beach Management Plan would allow for a focused effort by Hawaii Sea Grant, without compromising other critical programs related to beach management and conservation.

*The Hawaii Shore and Beach Preservation Association (HSBPA, www.hawaiishoreandbeach.org), formed in 2014, is an organization of private sector, academic, and government professionals, students and local community members dedicated to the preservation and restoration of Hawaii's beaches and coastal environments. The HSBPA aims to bring together various members of the coastal community to foster dialogue and cooperation on beach and coastal resource conservation, management, and regulation; supporting professional development of chapter members; and providing education to students and community members on Hawaii's beaches and coastal environments.

Thank you for considering our testimony on this bill. Please consider HSBPA a resource should you have any questions or want more information about beach preservation and restoration. We can be reached at aloha@hawaiishoreandbeach.org.

Testimony Presented Before the
House Committee on

OCEAN, MARINE RESOURCES, AND HAWAIIAN AFFAIRS

Wednesday, March 16, 2016 at 9:00 am
Conference Room 325

By
Robert Walker, P.E., President/Coastal Engineer
Shoreline Science & Engineering, LLC

In consideration of
SENATE BILL 2972, SD1 – RELATING TO BEACH MANAGEMENT
FOR THE NORTH SHORE OF OAHU

Senate Bill 2972, SD1 appropriates funds to the University of Hawai'i Sea Grant Program to create a beach management plan for the North Shore of Oahu, from Kawailoa to Waiale'e.

Shoreline Science & Engineering, LLC* offers its strong support for Senate Bill 2972, SD1. The dramatic beach erosion events that have threatened homes and public infrastructure during this year's "El Nino" winter provide a glimpse of what may be in store for the future of the North Shore with respect to shoreline erosion issues. The time is now to be proactive in developing a comprehensive plan to best manage coastal resources in this dynamic and complex environment. The University of Hawai'i Sea Grant College is well-positioned to assist the North Shore community with this challenging task. Their staff possess scientific expertise in coastal science/research, they have a great deal of experience in developing similar beach management plans across the nation (including Hawai'i), and I am confident that they will engage both the community and local experts in this endeavor to ensure optimal success of a plan that also prioritizes the continued existence of the unique character of the North Shore.

Please note that while we fully support the intent of the bill, we respectfully request consideration for the establishment of a new fund for this endeavor, as opposed to utilizing the existing Beach Restoration Fund of the Department of Land and Natural Resources (DLNR).

*Established in Haleiwa, Oahu in 2014, Shoreline Science & Engineering, LLC is a small business operating out of the North Shore that focuses on solving complex problems in the coastal environment.

Alan Lennard
POB 818, Haleiwa, HI 96712

Testimony in Support of SB2972 SD1
North Shore Beach Management Plan
COMMITTEE ON OCEAN, MARINE RESOURCES & HAWAIIAN AFFAIRS
Rep. Kaniela Ing, Chair
Rep. Nicole E. Lowen, Vice Chair
Wednesday, March 16, 2016
9:00 a.m. Conference Room 325

Dear Chair Ing, Vice Chair Lowen, and Committee Members:

My Name is Alan Lennard and I am a resident of the North Shore of Oahu and am on the Board of Directors for the Save Sunset Beach Coalition.

I write in **Strong Support** of SB2972 SD1 to support and fund a North Shore Beach Management Plan under the leadership of UH Sea Grant. It is vital, however, that the funding for this bill come from new state funds (e.g., added to the beach restoration special fund specified in SD1) and not detract from existing funding priorities for the Department of Land & Natural Resources or the University of Hawai'i. SB2972 SD1 would save considerable time and money for the State, City, and community by coordinating and integrating city-state-community planning efforts along this important shoreline.

Save Sunset Beach Coalition has witnessed and is specifically concerned about the coastal erosion in the ahupua'a of Pupukea and Waimea, which include the heavily used Pupukea Beach Park (Sharks Cove, Three Tables) and Waimea Beach Park. Our board, staff, and members, many of whom live along this coastline, have witnessed the tragic erosion of the North Shore shoreline resulting in a safety issues, property risks, and ecological threats. The negative trend of coastal erosion is, unfortunately, only getting worse and shows no sign of natural reversal. A proactive and resilient approach that involves a broad spectrum of the community is desperately needed.

UH Sea Grant has considerable expertise in this area, having completed the Kailua Beach and Dune Management Plan in 2010 and a Maui Beach Management Plan in 2008, and is well positioned to lead this community planning effort, which can become a model for future collaborative efforts in other beach areas statewide. Please support adequate and new state funds for this important bill.

Thank you for allowing me to testify.

Alan Lennard -dig signature

Alan Lennard
P.O. Box 818
Haleiwa, HI 96712-0818

Randolph G. Moore
2445-A Makiki Heights Drive
Honolulu Hawaii 96822

March 13, 2016

The Honorable Kaniela Ing, Chair
and members of the Committee on Ocean, Marine Resources, & Hawaiian Affairs
The House of Representatives
State Capitol
Honolulu, HI

Dear Representative Ing and members of the Committee:

Subject: SB 2972 SD 1 – Relating to Beach Management for the North Shore of Oahu

I encourage your support of SB 2972, which would appropriate funds for the University of Hawaii Sea Grant College Program to create a North Shore Beach Management Plan covering Oahu beaches from Kawailoa to Waiale`e.

These beaches, with others on Oahu and other islands, have suffered erosion. Scientists knowledgeable about beach erosion are in agreement that erosion on most of the beaches in the state will accelerate as the effects of climate change – rising sea levels and more intense storms – are increasingly felt.

Full disclosure: I am a beachfront property owner at Sunset Beach, and the beach fronting my house has eroded approximately 25 feet in the 47 years that I have owned it.

The beach management plan that is proposed in this bill will become the basis for other beach management plans with statewide applicability. Absent a management plan, the state and the counties (as significant owners of beachfront property with considerable investment in roads, parks, and other public facilities) and private landowners will react to periodic episodes of beach erosion in a crisis mode in ways (such as constructing sea walls) that will result in the loss of public access to and use of our beaches. A plan to guide public and private responses to the beach erosion we know is coming will minimize the public cost to respond to beach erosion and maximize public use of our beaches.

I encourage you to appropriate general funds for this project. The bill was amended in the Senate to provide that funds for this project would come from DLNR's beach restoration special fund. This would reduce the resources available for the important purposes for which this special fund was established.

Mahalo for your consideration.

Sincerely yours,

Randolph G. Moore

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 13, 2016 6:45 AM
To: omhtestimony
Cc: ahuntemer@aol.com
Subject: Submitted testimony for SB2972 on Mar 16, 2016 09:00AM

SB2972

Submitted on: 3/13/2016

Testimony for OMH on Mar 16, 2016 09:00AM in Conference Room 325

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

Comments: Aloha Chair Ing, Vice-Chair Lowen and committee members, I fully support SB2972 to study beach erosion on the North Shore of Oahu. Erosion is a problem here and is only expected to get worse as we experience increased storm action and sea level rise. This school year I led a group of 50 third graders from Sunset Beach Elementary in a service learning project to restore dune habitat at Turtle Bay's Kahuku Point. We must do everything we can to study the effects of climate change on our coast and everything we can to mitigate or adapt to it. Funding for the SB2972 project needs to come from "new" money NOT from DLNR funds. DLNR is already sadly underfunded. Mahalo, Angela Huntemer Public School Teacher and North Shore Resident

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 14, 2016 12:43 PM
To: omhtestimony
Cc: dylanarm@hawaii.edu
Subject: *Submitted testimony for SB2972 on Mar 16, 2016 09:00AM*

SB2972

Submitted on: 3/14/2016

Testimony for OMH on Mar 16, 2016 09:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Dylan Armstrong	Individual	Support	No

Comments:

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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Cc: Hariom@hawaii.rr.com
Subject: Submitted testimony for SB2972 on Mar 16, 2016 09:00AM

SB2972

Submitted on: 3/14/2016

Testimony for OMH on Mar 16, 2016 09:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Diane Anderson	Individual	Support	No

Comments: Aloha, I am in strong SUPPORT of SB2972 SD1. I live on the North Shore near Laniakea. The beach erosion all along the Kawailoa area, between Haleiwa and Waimea is threatened. UH Sea Grant is in a great position to lead our community in this necessary planning effort. Please give your support to funding this Bill with new state funds, rather than take away from any other projects. Mahalo Nui Loa. Diane Anderson

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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To: omhtestimony
Cc: nsweatt@earthlink.net
Subject: Submitted testimony for SB2972 on Mar 16, 2016 09:00AM

SB2972

Submitted on: 3/14/2016

Testimony for OMH on Mar 16, 2016 09:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
nancy sweatt	Individual	Support	No

Comments: On behalf of myself and several homeowners here, we are in very strong support of funding the North Shore Beach Management Plan. A few years back many meetings within neighborhoods and the City and County, led to supposedly a beach management plan by the City, but it never seemed to develop into a real Plan. All the owners have been left to expensive and frugal attempts at saving their properties while no one can get permits to repair seawalls or other means of protection. The Kam Highway is equally at risk of loss in many areas. Protection is required because the State or County is not managing the beaches with the sand replenishment, etc. These are famous beaches as is Waikiki and deserve the same protection. Kailua received protection and it certainly is not a famous beach by any means. UH Sea Grant has the expertise to take charge of this urgent endeavor before this famous shoreline is destroyed and everything with it. It should not be that difficult if the powers that be would assist its citizens instead of putting up the road blocks. This seems to be the perfect answer for everyone to get the beaches managed as they should be. Please support adequate and new state funds to UH Sea Grant to save the North Shore. Mahalo, Nancy Sweatt

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 14, 2016 3:04 PM
To: omhtestimony
Cc: wwardo@earthlink.net
Subject: Submitted testimony for SB2972 on Mar 16, 2016 09:00AM

SB2972

Submitted on: 3/14/2016

Testimony for OMH on Mar 16, 2016 09:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Will Ward	Individual	Support	No

Comments: PLEASE - Urgent that you support this Bill. North Shore has been ignored by any State action to manage its beaches resulting in homes being lost and much property damaged every year. We have tried for several years to get some ability to protect our homes. County never gets a plan organized. Kam Highway is also severly at risk in many sections. How can the State ignore its second most famous beach area, the North Shore, while helping the Kailua area protect theirs??? Makes no sense nor is it even reasonable. The UH Sea Grant would be a great path to a remedial plan to save Oahu's "North Shore" and Kam Hiway...They have the experience to accomplish and coordinate this. Please support the necessary new State funds to do this before it is totally to late.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 14, 2016 4:00 PM
To: omhstestimony
Cc: tarasweet@earthlink.net
Subject: Submitted testimony for SB2972 on Mar 16, 2016 09:00AM

SB2972

Submitted on: 3/14/2016

Testimony for OMH on Mar 16, 2016 09:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
t. sweet	Individual	Support	No

Comments: We not only support but urgently need the North Shore Management Plan to be supported, pursued and adequately funded to UH Sea Grant as soon as humanly possible. The North Shore is as famous as Waikiki and visited by all islands and the entire world. It is now an eyesore from the erosion receiving no management by the State of its beaches which would stop the erosion. It has created ongoing safety issues, destroyed homes and property including Kam, and is disrupting the shoreline ecology. Please support the required new funding to save the North Shore and Kam. We are losing everything each year nothing is done to protect it which the City and County cannot seem to accomplish despite years of meetings. Owners have not been allowed to do anything to save our shores. UH Sea Grant has the experience necessary to finally do the right thing in saving our beaches and famous surf. Mahalo, Tara Sweet

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 15, 2016 9:01 AM
To: omhtestimony
Cc: millera012@hawaii.rr.com
Subject: Submitted testimony for SB2972 on Mar 16, 2016 09:00AM

SB2972

Submitted on: 3/15/2016

Testimony for OMH on Mar 16, 2016 09:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Antya Miller	Individual	Support	No

Comments: 51% of all Oahu visitors go to the North Shore according to two Hawaii Tourism Authority studies done in 2005, one in winter and one in summer. Oahu had 5.2 million visitors in 2014, so this means 2.652 visitors came to the North Shore! Our infrastructure was not built to accommodate that many people. Kamehameha Highway is a 100 years old, for example. We desperately need a plan to deal with all the people trampling down to see the turtles causing further erosion (not to mention a road re-alignment). Haleiwa Beach Park pavilion, which is on the Register of Historic Places, is literally falling into the ocean. An assessment of the impacts of the break water and sea wall needs to be done and alternatives identified. We need to proactively plan for sea level rise, a disaster event that might wipe out our one road (remember the rock fall at Waimea Bay), and erosion control all along the North Shore popular surfing beaches. Please support SB 2972. Mahalo, Antya Miller North Shore Resident since 1961

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 15, 2016 1:36 PM
To: omhtestimony
Cc: lkmcelheny@gmail.com
Subject: Submitted testimony for SB2972 on Mar 16, 2016 09:00AM

SB2972

Submitted on: 3/15/2016

Testimony for OMH on Mar 16, 2016 09:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Larry McElheny	Individual	Support	No

Comments: Strongly support SB 2972

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