THE SENATE TWENTY-SEVENTH LEGISLATURE, 2014 STATE OF HAWAII

S.B. NO. ³⁰³⁶ S.D. 2

A BILL FOR AN ACT

RELATING TO BEACH MANAGEMENT FOR THE NORTH SHORE OF OAHU.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 The legislature finds that the northwest facing SECTION 1. 2 shore of the north shore of Oahu, stretching from the Kawailoa 3 to Waiale'e ahupua'a is a spectacular coastline of primary importance to state residents and visitors from around the world 4 5 for its beautiful sandy beaches, famous surf breaks, 6 recreational opportunities, marine resources and wildlife, and 7 vistas. Several important north shore beaches are at increasing 8 risk of erosion and deterioration from a combination of high 9 energy waves, winter surf, tsunami events, sea level rise and 10 climate change, and coastal erosion and intensive use by people 11 accessing the shoreline. Estimates indicate that nearly half of 12 all visitors to Oahu visit the north shore during their stay, 13 and most of the shoreline beach parks and coastal access areas 14 along the north shore have visibly inadequate infrastructure to 15 handle the high number of residents and the millions of visitors 16 who are attracted to these beaches each year, causing additional 17 erosion and damage to natural resources.

SB3036 HD1 HMS 2014-2588

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S.B. NO. ³⁰³⁶ S.D. 2 H.D. 1

1 Recently, homes in the Ke Nui road area on the north shore 2 have been damaged and are still at risk from high surf and 3 eroding beaches, causing significant disruption and calls for 4 government action in the short- and long-term for beachside 5 homeowners. In addition, some key sections of Kamehameha 6 highway, including sections along Laniakea beach and Chun's 7 reef, are currently subject to erosion due to high surf, storm 8 events, and loss of sand. The Pupukea marine life conservation 9 district, which stretches from Waimea bay to Shark's cove, is 10 experiencing high levels of shoreline erosion due to poor 11 management, severely eroded walkways due to lack of 12 infrastructure and planning, and parking lot and road collapse 13 due to sink holes and over-use. Other areas along the coastline 14 are at risk from the lack of overall planning for protection of 15 the beaches, beach access areas, and shoreline uses. 16 Nonetheless, Hawaii's beaches and coastline are part of the 17 public trust, held by the State for the benefit of the people, 18 and the State has a fiduciary duty to affirmatively protect 19 beaches and coastal access.

20 Therefore, the legislature finds that long-term protection 21 of the northwest-facing north shore beaches from the Kawailoa to 22 Waiale'e ahupua'a, which are subject to a common wave regime and SB3036 HD1 HMS 2014-2588 Page 3

S.B. NO. ³⁰³⁶ S.D. 2 H.D. 1

1 share common beach erosion characteristics, requires a 2 comprehensive assessment and modern management plan that 3 recognizes the risks of climate change and sea level rise. The 4 large number of government, business, private, and community 5 entities involved in the north shore would benefit from 6 participating in the development and implementation of a 7 comprehensive beach management plan for this vulnerable area. 8 In 2010, the University of Hawaii sea grant college program 9 successfully produced a beach and dune management plan for 10 Kailua beach, which provided an extensive analysis of the 11 current state of this important beach and recommended management 12 measures for federal, state, and local government, as well as 13 community partners, in response to threats such as climate 14 change and sea level rise. This study serves as a useful 15 prototype for the implementation of beach management plans at 16 other locations and demonstrates the effectiveness of location-17 specific beach management policies and practices, which the 18 north shore would greatly benefit from. The north shore's 19 northwest-facing coastline is more than five times longer than 20 the 2.6 mile stretch of Kailua beach surveyed and will require 21 greater funding and resources to accomplish such comprehensive 22 planning.



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The purpose of this Act is to provide funds for the
 University of Hawaii sea grant college program to create a north
 shore beach management plan covering the area from the Kawailoa
 to Waiale'e ahupua'a, with substantial community input, over a
 two-year period.

6 (a) Over the course of a two-year period, the SECTION 2. 7 University of Hawaii sea grant college program shall create a 8 north shore beach management plan for the area of the north 9 shore of Oahu that stretches from the Kawailoa to Waiale'e 10 The University of Hawaii sea grant college program ahupua'a. 11 shall ensure the inclusion of substantial community input in 12 developing the plan. The plan shall consider innovative means 13 to address erosion of private property, including 14 recommendations to set homes and vehicular traffic back from the 15 beach and to address recreational access, vistas, and traffic 16 issues relating to the receding coastline.

17 (b) The plan under subsection (a) shall also include:
18 (1) Long- and short-term planning and climate change scenarios;

20 (2) Temporary and emergency erosion management;

21 (3) Beach and dune management techniques based on sediment
22 transport;



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1	(4)	Shoreline public access management and foot traffic	
2		control;	
3	(5)	Beach and dune nourishment;	
4	(6)	Longer-term coastal land use strategies;	
5	(7)	Shoreline protection and erosion management;	
6	(8)	Shoreline setbacks, rolling easements, and land	
7		acquisition;	
8	(9)	Public park expansion, land swaps, and transfer of	
9		development rights;	
10	(10)	Innovative means to adapt to coastal hazards; and	
11	(11)	Climate change.	
12	SECT	ION 3. There is appropriated out of the general	
13	revenues	of the State of Hawaii the sum of \$ or so much	
14	thereof a	s may be necessary for fiscal year 2014-2015 for the	
15	University of Hawaii sea grant college program to create a		
16	comprehensive north shore beach management plan for the north		
17	shore of	Oahu stretching from the Kawailoa to Waiale'e ahupua'a	
18	pursuant	to this Act.	
19	The	sum appropriated shall be expended by the University of	
20	Hawaii fo	r the purposes of this Act.	
21	SECT	ION 4. This Act shall take effect on July 1, 2050.	

SB3036 HD1 HMS 2014-2588



Report Title:

North Shore of Oahu; Beach Management Plan; University of Hawaii Sea Grant College Program; Appropriation

Description:

SB3036 HD1 HMS 2014-2588

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. Effective July 1, 2050. (SB3036 HD1)

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.



UNIVERSITY OF HAWAI'I SYSTEM

Legislative Testimony

Testimony Presented Before the House Committee on Higher Education Tuesday, March 18, 2014 at 2:34 pm By E. Gordon Grau, PhD, Director and Dolan Eversole, Extension Agent Sea Grant College Program University of Hawai'i at Mānoa

SB3036 SD2 HD1 – RELATING TO BEACH MANAGEMENT FOR THE NORTH SHORE OF OAHU

Chair Choy, Vice Chair Ichiyama and members of the committee:

The UH Sea Grant strongly supports SB3036 SD2 HD1 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 legislation endeavors to improve the scientific understanding and sustainable management of beach resources along North Shore of O'ahu from Kawailoa to Waiale'e ahupua'a, roughly Laniakea 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.

The North Shore community has 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 UH Sea Grant 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.

SB3036 SD2 HD1 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.

NEIL ABERCROMBIE GOVERNOR OF HAWAII





WILLIAM J. AILA, JR. CHAIRPERSON BOARD OF LAND AND NATURAL RESOURCES COMMISSION ON WATER RESOURCE MANAGEMENT

> JESSE K. SOUKI FIRST DEPUTY

WILLIAM M. TAM

AQUATIC RESOURCES BOATING AND OCEAN RECREATION BUREAU OF CONVEYANCES COMMISSION ON WATER RESOURCE MANAGEMENT CONSERVATION AND RESOURCES ENFORCEMENT ENGINEERING FORESTRY AND WILDLIFE 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 WILLIAM J. AILA, JR. Chairperson

Before the House Committee on HIGHER EDUCATION

Tuesday, March 18, 2014 2:34 pm State Capitol, Conference Room 309

In consideration of SENATE BILL 3036, SENATE DRAFT 2, HOUSE DRAFT 1 RELATING TO BEACH MANAGEMENT FOR THE NORTH SHORE OF OAHU

Senate Bill 3036, Senate Draft 2, House Draft 1 proposes to appropriate funds to the University of Hawaii Sea Grant College Program (UH Sea Grant) to conduct a study and create a beach management plan for the North Shore of Oahu. **The Department of Land and Natural Resources (Department) supports this bill provided that its passage does not replace or adversely impact priorities indicated in our Executive Budget request.**

This legislation endeavors to improve understanding and management of beach resources along the fifteen-mile stretch of coastline from Haleiwa to Kahuku Point, which is of primary importance to state residents and visitors from around the world for its beautiful beaches, worldclass 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 University of Hawaii and United States (US) Geological Survey researchers¹ 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. Management and conservation of north shore beaches is further challenged by a legacy of concentrated development too close to hazard-prone shorelines, 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 last several months with a series of highly publicized coastal erosion events in the Sunset

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.

Beach area. The Department is working closely with local residents and county and federal agencies to coordinate and authorize short-term solutions to manage these erosion problems, while also working to protect public beach and marine resources.

The Department, county, 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 beach management plan guiding future beach management efforts.

The Department has worked closely with UH Sea Grant for over 10 years in support of the OCCL Coastal Lands Program. Collaborative efforts between the Department and UH Sea Grant include development of the Kailua Beach and Dune Management Plan in 2010. UH Sea Grant is ideally suited to develop a north shore beach management plan as a neutral broker and due to the organization's affiliations with UH researchers and expertise in community extension and outreach.

Thank you for the opportunity to testify on this measure.

DEPARTMENT OF DESIGN AND CONSTRUCTION CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11[™] FLOOR HONOLULU, HAWAII 96813 Phone: (808) 768-8480 ● Fax: (808) 768-4567 Web site: <u>www.honolulu.gov</u>



CHRIS T. TAKASHIGE, P.E., CCM DIRECTOR

> MARK YONAMINE, P.E. DEPUTY DIRECTOR

March 17, 2014

The Honorable Isaac Choy, Chair and Members House Committee on Higher Education State Capitol, Conference Room 309 415 South Beretania Street Honolulu, Hawaii 96813

Dear Chair Choy and Members:

Senate Bill No. 3036 HD1, Relating to Beach Management for the North Shore of Oahu

The Department of Design and Construction (DDC) respectfully **supports** Senate Bill 3036 HD1, 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. The Department of Design and Construction works with DPR on matters concerning park facilities and supporting 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, <u>City Beach Parks Erosion Study, Island Of O'ahu, Hawai'i</u>. This report surveyed the entire island's shoreline with the exception of the Leeward coast. The Leeward shoreline is presently under study by the same firm. 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.

KIRK CALDWELL MAYOR The Honorable Isaac Choy, Chair and Members March 17, 2014 Page Two

For these reasons, DDC respectfully supports Senate Bill 3036 HD1.

Thank you for the opportunity to testify.

Very truly yours,

fr M. Ym mm Chris Takashige, P.E., CCM

Director

From: Sent: To: Subject: Mike Dixon <helmsman@lava.net> Monday, March 17, 2014 9:50 AM HEDtestimony SB 3035 and 3036

Please report these bills out of Committee they are both vitally important to highway access to our Community.

Sincerely,

Mike Dixon helmsman@lava.net

Denise Antolini 59-463 Alapi'o Road, Pūpūkea, Oʻahu 96712 (808) 554-7215 antolinid@gmail.com

Hearing on SB3036 SD2 HD1

House Committee on Higher Education (HED) Hearing: Mar. 18, 2014, 2:34 pm Conference Room 309

Dear Chair Choy, Vice Chair Ichiyama, and Committee Members:

I write in **STRONG SUPORT OF SB3036 SD2 HD1** introduced by Senator Clayton Hee, whose district includes the proposed project area. This bill will support and fund a **North Shore Beach Management Plan** under the leadership of the University of Hawai'i Sea Grant College. The plan will involve public-private partnerships and be community driven as everyone works together toward sustaining our islands' precious coastal resources.

Please note that this project was requested by <u>the community</u>, which is asking for help from the University. This is not a "rogue" request for funding from within the University but arose due to the community's severe beach erosion problems over this past winter and because Sea Grant is the ideal entity, with its experience and track record on coastal planning (such as the beach management plans for Kailua and Maui), to assist the community on this urgent issue. This project is a great example of how the University – which is a land, sea, and space grant institution – should use its unique expertise to assist communities directly and concretely with climate change adaptation planning.

The combination of climate change impacts such as sea level rise and episodic coastal erosion have already been particularly damaging to the "northwest" facing stretch of the North Shore, from the ahupua'a of Kawailoa to Waiale'e. Stretches of Kamehameha Highway near the beach in this area are obviously undermined and experience wash-over in high surf/tides. Several private homes at Ke Nui Road have recently been hit by high surf events and more heart-breaking impacts on beachfront homeowners are surely coming in the future.

More important, the beach itself -- a public trust asset that belongs to everyone – has substantially narrowed in many areas and is not proactively or adequately managed for the long-term. Reacting to acute damage situations with short-term solutions such as hardening the shoreline or seawalls will only lead to further disaster for the common resource.

A NSBMP would ultimately save considerable time and money for the state, city, and community by coordinating and integrating city-state-community planning efforts along this shoreline. Sea Grant has considerable expertise in this area, having completed the Kailua Beach and Dune Management Plan in 2010 and is well positioned to lead this community planning effort, which can become a model for future collaborative efforts in other beach areas statewide. As the attached Star-Advertiser editorial states: It's time to be *proactive* to protect Hawai'i's critical beaches and coastlines. The NSBMP will be a major step forward for all of us.

Thank you for the opportunity to testify.

Protect highway, improve access to shoreline - Hawaii News – Honolulu Star-Advertiser StarAdvertiser.com

Protect highway, improve access to shoreline POSTED: 01:30 a.m. HST, Feb 18, 2014

"Lawmakers have seized an opportunity to deal with the North Shore erosion problem in a way that makes sense: by pairing the goals of protecting the highway and improving public use of the shoreline. . . . [references to SB3035 omitted]

What matters more than the sequence of events is that there's some kind of coordination here to make the best use of public land and money, addressing the twin issues of erosion and beach access. If that's managed successfully here, the plan can serve as a template for many more coastal areas where these issues arise.

To that point, Hee is also pressing for another piece of legislation to expand the area where comprehensive shoreline management planning can take place. **SB 3036** would allot an unspecified amount of money for the Sea Grant College to create a North Shore beach management plan covering the area from Sunset Beach to Waimea Bay. The focus would be on dealing with erosion and other threats of sea-level rise, but smart planning would produce coastal road adjustments that mesh well with recreation, too.

These bills should pass, sending a clear message that further delay is simply intolerable. Government may drag its heels on a highway project, but erosion won't wait forever. The end result we don't want is for the sea to claim Kamehameha Highway."

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From:	mailinglist@capitol.hawaii.gov
Sent:	Saturday, March 15, 2014 10:10 PM
То:	HEDtestimony
Cc:	kathienow@gmail.com
Subject:	*Submitted testimony for SB3036 on Mar 18, 2014 14:34PM*

SB3036

Submitted on: 3/15/2014 Testimony for HED on Mar 18, 2014 14:34PM in Conference Room 309

Submitted By	Organization	Testifier Position	Present at Hearing
kathleen flynn	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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Randolph G. Moore 2445-A Makiki Heights Drive Honolulu Hawaii 96822

March 15, 2014

The Honorable Isaac W. Choy, Chair and members of the Committee on Higher Education The Senate State Capitol Honolulu, HI

Dear Senator Choy and members of the Committee on Higher Education:

Subject: SB 3036 SD 2 HD 1

I encourage your support of SB3036, which would appropriates 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 45 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 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

Mahalo for your consideration.

Sincerely yours,

Randolph G. Moore

From: Sent: To: Subject: Andrea Woods <andreaswimsunset@yahoo.com> Sunday, March 16, 2014 10:40 PM HEDtestimony Support for SB 3036

Dear Chair Choy, Vice Chair Ichiyama, and Committee members,

I strongly support SB3036 SD2 HD1 because of the importance of managing our coastlines and planning for the future so we do not lose an asset that is of great importance to the state, both economically through tourism as well as environmentally. Mahalo for hearing the bill and *keeping the bill alive.*"

Andrea Woods

58-034 Kapuai Place

Haleiwa HI 96712

From:	A & B <lei< th=""></lei<>		
Sent:	Sunday, N		
То:	HEDtestin		
Subject:	Support S		

A & B <leinaur001@hawaii.rr.com> Sunday, March 16, 2014 8:37 PM HEDtestimony Support SB3036 SD2 HD1

"Dear Chair Choy, Vice Chair Ichiyama, and Committee members, I strongly support SB3036 SD2 HD1 because it addresses an intelligent way to deal with shore line erosion. Mahalo for hearing the bill and *keeping the bill alive*." Roberts Leinau 59-524 Aukauka Pl, Haleiwa, HI

From:	mailinglist@capitol.hawaii.gov
Sent:	Sunday, March 16, 2014 4:41 PM
То:	HEDtestimony
Cc:	gil@gilriviere.com
Subject:	Submitted testimony for SB3036 on Mar 18, 2014 14:34PM

SB3036

Submitted on: 3/16/2014 Testimony for HED on Mar 18, 2014 14:34PM in Conference Room 309

Submitted By	Organization	Testifier Position	Present at Hearing
Gil Riviere	Individual	Support	No

Comments: Aloha, Chair Choy and Representatives, SB3036 will improve planning for coastal areas subject to erosion throughout the state. The two dramatic erosion events that occurred near Sunset Beach this winter remind us that our shoreline is subject to great fluctuation that can quickly destroy both private and state infrastructure. Now is the time to review the science and make a plan for the future. Thank you for your support. Gil Riviere Waialua, HI

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From:	mailinglist@capitol.hawaii.gov
Sent:	Monday, March 17, 2014 2:35 PM
To:	HEDtestimony
Cc:	walkerra@hawaii.edu
Subject:	Submitted testimony for SB3036 on Mar 18, 2014 14:34PM
Follow Up Flag:	Follow up



Flag Status:

<u>SB3036</u>

Submitted on: 3/17/2014 Testimony for HED on Mar 18, 2014 14:34PM in Conference Room 309

Flagged

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Walker	Individual	Support	Yes

Comments: Dear Chair Choy, Vice Chair Ichiyama, and Committee members, Thank you for the opportunity to voice my strong support for SB3036, which relates to the development of a Beach Management Plan for the North Shore of Oahu. This is a critical bill for the state, and something the North Shore community really needs. I am a licensed professional engineer by the State of Hawaii, and my specialty is coastal engineering. I work with issues relating to beach erosion and sediment management. Erosion events like those experienced on the North Shore this winter are complex and there is a significant need for additional research. The majority of sandy beaches in Hawaii are eroding, and future climate change and rising sea levels are going to exacerbate this problem. The North Shore community needs to be proactive in dealing with coastal erosion. This bill will support the development of a comprehensive plan for managing the precious coastal resources within the study area. The University of Hawaii and Sea Grant College are perfect for taking on this task: they have the scientific expertise and I am confident at their ability to engage the community. There is strong community support for this bill. Living on the North Shore I have experienced first hand the concern for acute and chronic erosion of North Shore beaches and it has become very clear that we cannot postpone our efforts in understanding the complex coastal processes and how they are changing. The state as a whole needs proactive coastal erosion planning to protect our public trust resources -our public beaches -- for everyone to enjoy. I appreciate the opportunity to support this progressive motion addressing a dire need for the North Shore. Robert Walker, PE Resident of Waialua

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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March 8, 2014

Committee Chair & Members of Higher Education (HED)

RE: Strong Support for SB 3036, SD2, HD1

Hearing on Tue., 3/18, State Capitol, Conf. Rm. 309, 2:34pm.

Dear Chair Choy, Vice Chair Ichiyama, and Committee Members,

My name is Stuart Coleman, and I am the Hawaii Coordinator of the Surfrider Foundation. With more than 5000 activists and supporters across the state, Surfrider strongly supports SB 3036, SD2, HD1.

After the tragic loss of several homes on the North Shore this winter due to big wave events and coastal erosion, this bill will create a desperately needed North Shore Coastal Plan, which could help prevent such losses in the future.

Community groups and local citizens have been clamoring for help with these issues, and the UH Sea Grant Program is well-suited to design this plan and come up with a model for coastal areas across the state. We ask that they involve community and environmental groups like the Surfrider Foundation in the planning process so we can help with education efforts.

Mahalo for hearing the bill and moving it forward. Please feel free to contact me if you have any questions or suggestions.

Sincerely, Stuart Coleman Stuart H. Coleman Hawaii Coordinator