

JOSH GREEN, M.D.  
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA

P.O. BOX 621  
HONOLULU, HAWAII 96809

Testimony of  
DAWN N. S. CHANG  
Chairperson

Before the Senate Committee on  
WATER AND LAND

Monday, February 6, 2023  
1:05 p.m.

State Capitol, Conference Room 229 & Videoconference

In consideration of  
SENATE BILL 1068  
RELATING TO SEA LEVEL RISE ADAPTATION

Senate Bill 1068 proposes the development of a statewide beach assessment study and a beach and shoreline restoration and conservation plan and appropriates funds for the endeavor. **The Department of Land and Natural Resources (Department) supports this bill.**

In order to enable beaches to persist with sea level rise, one of the recommendations made in the 2022 Sea Level Rise Report<sup>1</sup> is to *conduct a statewide assessment of beaches applying the objectives of the Hawaii 'i Coastal Zone Management Act (Hawaii Revised Statutes §205A-2)*. The report notes that the assessment should identify beaches and dune systems that are important for recreational uses, cultural practices, wildlife habitat, and coastal resilience.

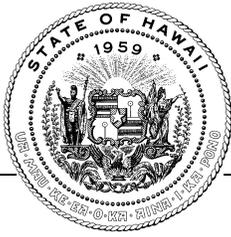
The Department appreciates that Senate Bill 1068 will take action on the recommendations of the Sea Level Rise Report. The results of the assessment, and the development of beach and shoreline restoration and conservation plans, will assist the Department in its mission to protect Hawai'i's natural and cultural public trust resources.

The Department looks forward to cooperating with the Office of Planning and Sustainable Development in working on the study and developing the restoration and conservation plans.

Mahalo for the opportunity to provide testimony in support of this measure.

<sup>1</sup> The report is available at [climate.hawaii.gov/wp-content/uploads/2023/01/OCCL23-Sea-Level-Rise-Report-FY22-1.pdf](https://climate.hawaii.gov/wp-content/uploads/2023/01/OCCL23-Sea-Level-Rise-Report-FY22-1.pdf)

DAWN N.S. CHANG  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE  
MANAGEMENT  
LAURA H.E. KAAKUA  
FIRST DEPUTY  
M. KALEO MANUEL  
DEPUTY DIRECTOR - WATER  
AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
BUREAU OF CONVEYANCES  
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HISTORIC PRESERVATION  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS



**STATE OF HAWAII  
OFFICE OF PLANNING  
& SUSTAINABLE DEVELOPMENT**

**JOSH GREEN, M.D.**  
GOVERNOR

**SCOTT J. GLENN**  
DIRECTOR

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Statement of  
**SCOTT GLENN, Director**

before the  
**SENATE COMMITTEE ON WATER AND LAND**

Monday, February 6, 2023, 1:05 PM  
State Capitol, Conference Room 229

in consideration of  
**SB 1068**  
**RELATING TO BEACHES.**

Chair Inouye, Vice Chair Elefante, and Members of the Senate Committee on Water and Land:

The Office of Planning and Sustainable Development (OPSD) **supports and provides comments to SB 1068** which amends Hawaii Revised Statutes (HRS) § 226-11(b) and makes an appropriation for the development of a statewide beach assessment study and a beach and shoreline restoration and conservation plan; provided that its passage does not replace or adversely impact priorities indicated in our Executive Budget.

In order to align more closely with the existing framework of the Objectives and Policies of the Hawaii State Planning Act, the OPSD respectfully offers the following amendments on Page 2, Lines 14-18:

(10) [~~Develop~~] Promote statewide beach assessments and beach restoration and conservation [~~plan~~] to [~~regularly assess shoreline erosion and~~] develop feasible beach restoration or conservation options.

The OPSD has long recognized the value of beaches and public access and the pressures on these resources from coastal erosion, development, and sea level rise. In addition to funding past studies and beach management plans, the Coastal Zone Management (CZM) Program has obtained funding for an initiative that will contribute towards the intent of this measure and recently contracted services to explore shoreline management from an alternative approach to parcel-by-parcel decision making by developing a methodology to establish a regional approach that takes into consideration the environmental conditions for the state's diverse shorelines and beaches.

Thank you for the opportunity to testify on this measure.



# UNIVERSITY OF HAWAII SYSTEM

## ‘ŌNAEHANA KULANUI O HAWAII

### Legislative Testimony

#### Hō'ike Mana'o I Mua O Ka 'Aha'ōlelo

Testimony Presented Before the  
Senate Committee on Water and Land  
Monday, February 6, 2023 at 1:05 p.m.

By  
Charles "Chip" Fletcher, PhD  
Dean, School of Ocean and Earth Science and Technology  
And  
Darren T. Lerner, PhD  
Director, Sea Grant College Program,  
School of Ocean and Earth Science and Technology  
And  
Michael Bruno, Provost  
University of Hawai'i at Mānoa

**LATE**

#### SB 1068 – RELATING TO BEACHES

Chair Inouye, Vice Chair Elefante, and Members of the Committee:

The University of Hawai'i Sea Grant College Program (Hawai'i Sea Grant) and the Climate Resilience Collaborative (CRC) support the SB 1068.

This measure includes in the State's policies for the physical environment under the Hawai'i State Planning Act, the development of a statewide beach assessment study and a beach and shoreline restoration and conservation plan. The measure also appropriates funds.

Hawai'i Sea Grant's mission is to provide integrated research, extension, and education activities that increase understanding and use of ocean and coastal resources of the Hawaiian and Pacific Islands and support the informed personal, policy, and management decisions that are integral to realizing this vision. Hawai'i Sea Grant is part of a national network of 34 university-based programs associated with the National Oceanic and Atmospheric Administration (NOAA) that promote better understanding, conservation, and use of coastal resources.

CRC is a multi-investigator research project at the University of Hawai'i at Mānoa focused on sea level rise adaptation and climate resilience. CRC is working to update coastal models with more recent projections of sea level rise and to take account of other variables that impact Hawai'i's shorelines.

Hawai'i Sea Grant and CRC would be happy to provide updated sea level rise data and projections to the Committee or any lawmaker upon request.

**Hawai'i Sea Grant and the Climate Resilience Collaborative support SB 1068.**

Thank you for the opportunity to testify on this measure.



**STATE OF HAWAII  
HAWAII CLIMATE CHANGE MITIGATION & ADAPTATION  
COMMISSION  
POST OFFICE BOX 621  
HONOLULU, HAWAII 96809**

**Co-Chairs:**  
Chair, DLNR  
Director, OPSD

**Commissioners:**  
Chair, Senate AEN  
Chair, Senate WTL  
Chair, House EEP  
Chair, House WAL  
Chairperson, HTA  
Chairperson, DOA  
CEO, OHA  
Chairperson, DHHL  
Director, DBEDT  
Director, DOT  
Director, DOH  
Chairperson, DOE  
Director, C+C DPP  
Director, Maui DP  
Director, Hawaii DP  
Director, Kauai DP  
The Adjutant General  
Manager, CZM

**Testimony of  
Leah Laramée  
Coordinator, Hawai'i Climate Change Mitigation and Adaptation Commission**

**Before the Senate Committees on  
WATER AND LAND  
&  
GOVERNMENT OPERATIONS**

**Monday, February 6, 2023  
1:05 p.m.  
State Capitol, Conference Room 229 & Videoconference**

**In consideration of  
SENATE BILL 1068  
RELATING TO SEA LEVEL RISE ADAPTATION**

Senate Bill 1068 proposes the development of a statewide beach assessment study and a beach and shoreline restoration and conservation plan and appropriates funds for the endeavor. **The Climate Change Mitigation and Adaptation Commission (Commission) supports this bill.**

The Hawai'i Climate Change Mitigation and Adaptation Commission consists of a multi-jurisdictional effort between 20 different departments, committees, and counties. The 2022 Hawai'i Sea Level Rise Vulnerability and Adaptation Report update recommended an action item to "Conduct a state-wide assessment of beaches applying the objectives of the Coastal Zone Management Act (HRS 205A-2)" in support of the recommendation to "enable beaches to persist with sea level rise". SB 1068 directly supports the recommendation of that report and enables the State to continue sea level rise adaptation planning.

Mahalo for the opportunity to testify in support of this measure.



Ka Moku'aina 'O Hawai'i Aha Moku O Pae'Aina

State of Hawai'i Aha Moku

P. O. Box 621

Honolulu, Hawaii 96809

**LATE**

Testimony of the Hawaii State Aha Moku  
Before the Senate Committee on Water and Land

Monday, February 6, 2023

1:00 PM

Conference Room 229 & Videoconference

**IN CONSIDERATION of Senate Bill 1068**

Relating to Beaches

Senate Bill 1068 includes in the State's policies for the physical environment under the Hawaii State Planning Act, the development of a statewide Planning Act, the development of a statewide beach assessment study and a beach and shoreline restoration and conservation plan. Appropriates funds.

**The Hawaii State Aha Moku (Aha Moku) this measure and offers a friendly amendment.**

Aha Moku is comprised of the Pae'Aina – the Islands of Moku O Keawe (Hawaii), Moku O Piilani (Maui), Moku O Kanaloa (Kaho'olawe), Nana'i Kaula (Lana'i), Moloka'i Pule O'o (Moloka'i), Moku O Kakuhihewa (O'ahu), and Manokalanipo (Kaua'i), and Kawelonakala (Ni'ihau). Within the Pae'Aina are 46 moku and their ahupua'a. Traditionally the lineal and generational families of each of these places are practitioners who already take care of the natural resources of their ahupua'a.

We offer this addition to Section 1(8) to read "Pursue compatible relationships among activities, facilities, ~~and~~ **native Hawaiian traditional practices mauka makai**, and natural resources". (Material to be repelled is bracketed and stricken. New material is underscored and in bold.)

We believe SB 1068 is a strong protective policy that strengthens the protection of natural resources. The added language to section 226-11, Hawaii Revised Statutes, ensures that generational knowledge of the cultural resources is equally protected. Including their indigenous knowledge of land and ocean resources can only enhance the intent of this measure.

Thank you for the opportunity to show our support and ask that SB 1068 be adopted with our additional amendment.

Respectfully,

Leimana DaMate, Luna Alaka'i/Executive Director

Hawaii State Aha Moku

808-640-1214

Leimana.k.damate@hawaii.gov

*Pae'Aina: Moku O Keawe, Moku O Piilani, Moku O Kanaloa, Nana'i Kaula, Moloka'i Pule O'o, Moku O Kakuhihewa,  
Manokalanipo, Ka'Aina O Kawelonakala*