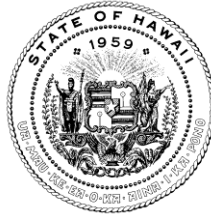


DAVID Y. IGE
GOVERNOR OF
HAWAII



**STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES**

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

**Testimony of
SUZANNE D. CASE
Chairperson**

**Before the House Committee on
ENERGY & ENVIRONMENTAL PROTECTION**

**Tuesday, March 20, 2018
9:00 AM
State Capitol, Conference Room 325**

**In consideration of
HOUSE CONCURRENT RESOLUTION 130
URGING STATE AGENCIES TO EVALUATE, COLLABORATE, AND IMPLEMENT
BEST MANAGEMENT PRACTICES, TECHNOLOGIES, AND REGULATIONS TO
ADDRESS VESSEL BIOFOULING IN HAWAII HARBORS**

House Concurrent Resolution 130 urges state agencies to evaluate technologies for in-water vessel cleaning to mitigate biofouling in Hawaii's harbors and to implement best management practices. **The Department of Land and Natural Resources (Department) supports this measure.**

The Department is a collaborator on biosecurity issues with the Hawaii Department of Transportation (HIDOT) and the Hawaii Department of Health (DOH), as described in the Hawaii Interagency Biosecurity Plan. Finding solutions to the problem of biofouling on vessel hulls is a major component of the preborder and border recommendations of the Biosecurity Plan. This Biosecurity Plan recognizes this as an interagency issue that impacts all three agencies, as HIDOT manages Hawaii's harbors, DOH regulates water quality standards, and the Department is mandated to prevent the introduction of aquatic invasive species through regulating hull fouling. Biosecurity Plan recommendation BorPro2.4 recommends that these agencies collaborate to test and apply new methods and technologies for ballast water and hull biofouling monitoring, treatment, and compliance monitoring and assessment, including in-water cleaning and treatment methods relative to their application in Hawaii. The full Biosecurity Plan is available for review at <http://dlnr.hawaii.gov/hisc/plans/hibp/>.

The Hawaii Invasive Species Council (HISC), which includes designees of the HIDOT, DOH, and Department, approved a Council resolution similar to the intent of this measure in January 2018. HISC Resolution 18-1, "Supporting Evaluation and Implementation of Best Management

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

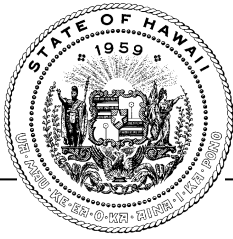
ROBERT K. MASUDA
FIRST DEPUTY

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

Practices and Technologies for Vessel Biofouling Management and Collaboration by HISC Agencies in the Development of Biofouling Management Regulations for Hawaii Harbors," is available at <http://dlnr.hawaii.gov/hisc/reports/resolutions/>.

Thank you for the opportunity to comment on this measure.



OFFICE OF PLANNING STATE OF HAWAII

235 South Beretania Street, 6th Floor, Honolulu, Hawaii 96813
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804

Telephone: (808) 587-2846
Fax: (808) 587-2824
Web: <http://planning.hawaii.gov/>

DAVID Y. IGE
GOVERNOR

LEO R. ASUNCION
DIRECTOR
OFFICE OF PLANNING

Statement of
LEO R. ASUNCION
Director, Office of Planning
before the
HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION
Tuesday, March 20, 2018
9:00 AM
State Capitol, Conference Room 325

in consideration of
HCR 130
**URGING STATE AGENCIES TO EVALUATE, COLLABORATE, AND IMPLEMENT
BEST MANAGEMENT PRACTICES, TECHNOLOGIES, AND REGULATIONS TO
ADDRESS VESSEL BIOFOULING IN HAWAII HARBORS.**

Chair Lee, Vice Chair Lowen, and Members of the House Committee on Energy & Environmental Protection.

The Office of Planning (OP) supports House Concurrent Resolution (HCR) 130, which urges state agencies to evaluate, collaborate, and implement best management practices, technologies, and regulations to address vessel biofouling in Hawaii harbors.

HCR 130 is consistent with two inter-agency initiatives: the Ocean Resources Management Plan (ORMP) and the Hawaii Invasive Species Council (HISC). OP is lead agency for the coordination of agencies to implement the ORMP and sits on the HISC on behalf of the Department of Business, Economic Development, and Tourism.

- HCR 130 supports the implementation of ORMP Management Priority #4 Marine Resources, Goal D to: "Minimize the likelihood of aquatic invasive species introductions and spread into and within Hawaii from sources associated with vessels".
- In addition, the Hawaii Interagency Biosecurity Plan prioritizes the need for managing the risk of aquatic invasive species (AIS) introduction and spread stemming from biofouling.

OP is in support of these inter-agency initiatives to continue collaboration towards supporting better management of ocean resources management through better practices and increased technological methods to reduce AIS introductions.

Thank you for the opportunity to testify on this matter.

HCR-130

Submitted on: 3/19/2018 8:58:56 AM

Testimony for EEP on 3/20/2018 9:00:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	OCC Legislative Priorities Committee, Democratic Party of Hawai'i	Support	No

Comments:

HCR-130

Submitted on: 3/18/2018 7:37:13 AM

Testimony for EEP on 3/20/2018 9:00:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Henry Curtis	Life of the Land	Support	No

Comments:



COORDINATING GROUP ON
ALIEN PEST SPECIES

The House of Representatives
Committee on Energy & Environmental Protection
March 20, 2018
9:00 a.m., Conference Room 325
State Capitol

Testimony in Support of HCR 130

Aloha Chair Lee, Vice Chair Lowen, and Members of the Committee,

The Coordinating Group on Alien Pest Species (CGAPS) **is in strong support of HCR 130, Urging state agencies to evaluate, collaborate, and implement best management practices, technologies, and regulations to address vessel biofouling in Hawai‘i harbors.**

CGAPS has long viewed the issue of vessel biofouling—the growth and spread of non-native marine life on the hulls of vessels—as one of the major gaps in Hawai‘i’s biosecurity program. Several research institutions have documented the presence of more than 400 non-native marine species, and that up to 78% of those arrived through vessel biofouling. Until recently, this issue had been particularly difficult to address, in part because of lack of technology to safely and adequately address biofouling, and in part because multiple agencies hold different parts of the responsibility for vessels, clean water, harbors, and invasive species mitigation.

However, a recent report contracted by CGAPS and DAR by the Smithsonian Environmental Research Center (see <http://www.cgaps.org/wp-content/uploads/Hawaii-In-Water-Vessel-Cleaning-Report-Final-123116.pdf> and earlier report <http://www.cgaps.org/wp-content/uploads/Hawaii-Biofouling-Report-2014-FINAL.pdf>) and through work with partners in New Zealand, Western Australia, California and Maryland, we believe that new technologies hold tremendous promise for addressing invasive species, protecting water quality, and assisting maritime industry with vessel safety and fuel efficiency.

While some vessel operators do their best to address biofouling, they need to be able to conduct hull husbandry in the years between drydocking, a practice that is currently not allowed in Hawai‘i harbors. There are also situations that place Hawai‘i at risk, where dry-docking is not feasible or possible, and it is best to mitigate biofouling in a manner that protects the environment. New technology has been tested and is being used in New Zealand and Western Australia that can clean vessels in-water, fully capturing the effluent and materials.

Addressing biofouling is of the priorities in the Hawai‘i Interagency Biosecurity Plan, and in January the Hawai‘i Invasive Species Council passed a resolution similar to HCR 130. We have been meeting with staff from federal and state agencies and representatives from the maritime industry, and we believe we can move forward together. We would be grateful for your support of this resolution. Mahalo!

Aloha,
Christy Martin
CGAPS

HCR-130

Submitted on: 3/19/2018 2:25:39 PM

Testimony for EEP on 3/20/2018 9:00:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Javier Mendez-Alvarez	Individual	Support	No

Comments:

LATE

HCR-130

Submitted on: 3/19/2018 3:33:42 PM

Testimony for EEP on 3/20/2018 9:00:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Erica Scott	Individual	Support	No

Comments: