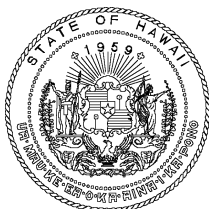


NEIL ABERCROMBIE
Governor

BRIAN SCHATZ
Lieutenant Governor



Hawai'i Invasive Species Council

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U.S. Department of Agriculture
U.S. Department of the Interior
U.S. Department of Defense

August 18, 2011

Chairpersons and Members
Hawai'i Invasive Species Council
State of Hawai'i

Co-Chairs and Council Members:

SUBJECT: Approval of the 2011-2012 Fiscal Year Budget for the Hawai'i Invasive Species Council

The invasive species budget initiative calls for the expenditure of \$1.4 million in State special funds for State Fiscal Year 2012 to provide support for the operations of the Hawai'i Invasive Species Council (HISC) and its cooperating partners to develop and implement a partnership of federal, state, county, and private entities for a comprehensive state-wide invasive species prevention, detection, and control program. In FY 2012, this amount has been supplemented by an additional \$400,000 from the Legacy Land Conservation Commission, provided via amendments to Act 209, Section 3, Section 173A-5: "The fund shall be used for...invasive species control and mitigation by the invasive species council under chapter 194."

Although this budget request is under the Department of Land and Natural Resources, it includes and involves programs and projects through multiple departments, the four counties, and federal and private partners. The funding will not replace state agency, private, or federal funding, but will support the development and implementation of innovative approaches that address gaps in capacity and build on existing cooperative programs. The goal of this program is to build successful programs that better protect Hawai'i from invasive species and encourage the incorporation of these programs into agency operations.

This budget was developed through collaboration of the working groups of the HISC. Projects were proposed in public meetings of the Public Outreach Working Group, Established Pests Working Group, and Prevention Working Group, totaling \$2.87 million. Due to the heavy demands on the budget from the other working groups, the Research and Technology group did not request proposals this year. A panel of evaluators was created for each of the working groups, consisting of the working group chair, the HISC Coordinator, and at least two individuals who were knowledgeable in the subject area at hand but who had not submitted proposals. These evaluators quantitatively scored proposals on a number of criteria related to the goals and objectives described in the HISC Strategic Plan. Working group chairs used these scores to consider amounts of funding to be recommended for individual projects, and worked with the HISC Coordinator to create an overall recommended budget that was balanced with the amount of funding available to the HISC. The Resources Working Group then met with the working group chairs in a public meeting on July 29, 2011, to discuss the recommended \$1.8 million budget and make changes to the funding amounts among program areas and

projects based on the public discussion. The final recommended budget was approved by the Resources Working Group chair and the chairs of the Public Outreach, Prevention, and Established Pests Working Groups.

The overall goals of the Hawai'i Invasive Species Council budget are to:

- Advise the governor and legislature on budgetary and other issues regarding invasive species.
- Coordinate invasive species management and control programs for county, state, federal, and private sector entities by developing a structure for cooperators to work together to share resources and responsibilities to address specific invasive species issues.
- Educate the public and private sector about invasive species to positively affect perception, action, and funding for control and prevention.
- Review risks of pest/invasive species entry into the State; and implement measures and improve capacity to prevent the entry of new pests/invasive species with shared resources and shared responsibilities of all agencies.
- Review priorities for the control of pests already present or recently arrived in the state; and implement cost-effective eradication and control programs against incipient and established pests with shared resources and shared responsibilities among private, not-for-profit, county, state, and federal agencies.

This funding has historically been broken into four programs, as well as an administrative support budget. The Resources Working Group, the group tasked with balancing the HISC budget, agreed upon the following Fiscal Year 2012 budget:

	Recommended Funding	% of \$1.8M
Public Outreach	\$194,757	10.82%
Established Pests	\$1,215,212.56	67.51%
Prevention	\$155,465.44	8.64%
Research and Technology*	\$0	0%
HISC Support	\$234,565	13.03%
Total HISC Funding	\$1,800,000	

*To maintain capacity in the other programs, Research and Technology is not recommended for funding in 2012.

A budget request that details program and project funding is attached as an addendum.

RECOMMENDATION:

That the Hawai'i Invasive Species Council approves the proposed FY 2012 budget for the program areas as presented to implement the State of Hawaii's Strategic Plan for invasive species prevention, control, and public outreach.

Addendum: Description of Projects and Funding Amounts in the Recommended HISC FY2012 Budget

Public Outreach (Total Funding: \$194,757)

1. \$35,000 to the Moloka'i/Maui Invasive Species Committee for **Public Outreach and Education in Maui County**: Support of educational efforts to increase detection and limit the spread of invasive pests within Maui County and to neighboring islands. Target audiences include citizens in priority communities, schools, and policymakers.
2. \$31,360 to the Kaua'i Invasive Species Committee for **Public Education and Outreach in Kaua'i County**: Conduct outreach activities on invasive species issues on Kaua'i.
3. \$33,490 to the Big Island Invasive Species Committee for **Hawai'i Island Invasive Species Education and Outreach**: Conduct outreach activities on invasive species issues in Hawai'i County.
4. \$35,000 to the O'ahu Invasive Species Committee for **O'ahu Island Invasive Species Public Education and Outreach**. Hire an outreach coordinator to conduct outreach activities on invasive species issues on O'ahu.
5. \$4,500 to the Division of Aquatic Resources, DAR Aquatic Invasive Species for **Aquatic Invasive Species (AIS) Outreach**: This project will produce and distribute outreach materials for O'ahu, Maui, and Hawai'i; will work in partnership with the ISCs on each island; and will hold workshops to bring together public, research, and agency stakeholders.
6. \$20,000 to Hawaiian Ecosystems at Risk Project (HEAR) for **Hawaiian Ecosystems at Risk Project Technical Assistant**: The Hawaiian Ecosystem at Risk project technical assistant provides support of outreach and inter-agency communication efforts of the Hawai'i Invasive Species Council (HISC), Coordinating Group on Alien Pest Species (CGAPS), and the island-based Invasive Species Committees (ISCs) through the Hawai'i Invasive Species Partnership website: www.hawaiiinvasivespecies.org. The technical assistant also supports the HEAR.org website and listserves.
7. \$29,407 to the Pacific Cooperative Studies Unit for **Management of Invasive Species Data and Web Products in Hawai'i**. This project seeks to transition the Pacific Basin Information Node (PBIN) from USGS following the loss of federal funding. PBIN hosts the data for the Hawai'i Invasive Species Partnership websites and provides a number of data services related to invasive species management, including the data entry system for the Hawai'i Pacific Weed Risk Assessment, the Hawai'i Early Detection Network, centralized data reporting and management for the island-based Invasive Species Committees, as well as the reportapest.org website and the forthcoming Plant Pono website.
8. \$6,000 to the Department of Land and Natural Resources, Division of Forestry and Wildlife for **Hawai'i Landscape and Forestry Pest Identification Cards**. This project seeks to produce a set of informational, transportable cards highlighting forest pests that are either established in Hawai'i or at risk of being introduced. The project is targeting landscape industry professionals and forest managers as users of the cards, which will help individuals identify new or existing pest populations rapidly. The cards will contain contact information for reporting pests.

Established Pests (Total Funding: \$1,215,212.56)

1. \$205,000 to the Big Island Invasive Species Council for **Big Island Invasive Species Detection & Control**: The Big Island Invasive Species Committee (BIISC) is a voluntary partnership of private citizens, community organizations, businesses, land owners, and government agencies to address invasive species issues on the island of Hawaii. This proposal will

partially fund continuing operations of the BIISC for FY12, including early detection of incipient pest species and control of established pests.

2. \$211,857 to the Kaua'i Invasive Species Committee for **Kaua'i Island Invasive Species Detection & Control**: Survey and eradication work for incipient forest pests and incipient invasive vertebrates in Kaua'i County.
3. \$180,000 to the Maui Invasive Species Committee and Moloka'i Invasive Species Committee for **Detection and Control of Invasive Species in Maui County**: Conduct detection and control operations for high priority invasive species on the islands of Maui, Moloka'i, and Lana'i.
4. \$208,041.56 to the O'ahu Invasive Species Committee for **O'ahu Island Invasive Species Detection & Control**: Survey and eradication work for incipient forest pests and incipient invasive vertebrates.
5. \$207,531.41 to the Department of Land and Natural Resources, Division of Aquatic Resources for **Aquatic Invasive Species (AIS) Management and Control**: Continued implementation of field activities for the control of aquatic invasive species in Hawai'i.
6. \$40,000 to the Hawaii Department of Agriculture Plant Pest Control Branch (PPC) for **HDOA Biocontrol Foreign Exploration**: HDOA's Biocontrol Program has effectively controlled many invasive pests in Hawai'i which were not amenable to control by other means. This proposal requests funding for PPC foreign exploration in Southeast Asia and addresses biocontrol targets for coffee berry borer, small hive beetle, stinging nettle caterpillar, pickleworm, fireweed, maile pilau, fountain grass, banana aphid, and Miconia.
7. \$72,782.59 to the Hawai'i Department of Agriculture Plant Pest Control Branch for **Control of Little Fire and Emerging Pest Ant Species in Hawai'i**. This project provides core funding for the Hawai'i Ant Lab, which provides prevention, response/control, outreach and research services for invasive ants to the State of Hawai'i. Little Fire Ants are now well established on the east coast of the Big Island and are rapidly spreading to neighbor islands and the west coast of the Big Island. This funding will address: eradicating or aggressively controlling LFA infestations in Kailua-Kona, Maui and Kauai; providing practical advice to industry and homeowners for management; providing information, training and technical advice to the ISCs, developing better treatment options for existing infestations; and development of management solutions for emerging pest species.
8. \$90,000 to the Big Island Invasive Species Committee for the **Axis Deer Project**, which seeks to locate and quantify herds of axis deer on the big island. This funding will allow for the capture and neutering of "Judas deer" from Moloka'i and for satellite collars to be attached to these deer. The neutered, collared deer will be released on the Big Island, where they will herd with existing, hard-to-locate deer populations, providing location information.

Prevention (Total Funding: \$155,465.44)

1. \$21,481 to the Department of Land and Natural Resources, Division of Aquatic Resources for **Ballast Water and Hull Fouling Coordinator**: This position is critical to maintain for the management and prevention of aquatic invasive species for DLNR. Duties of this position include: recording and evaluating ballast water reports, maintain ballast water database, develop hull fouling management policies and guidelines, conduct hull inspections, and maintain equipment for hull inspections.
2. \$119,541 to the Hawai'i Invasive Species Council for the Hawaii-Pacific Weed Risk Assessment (HPWRA) for **Continued Support of the Hawaii-Pacific Weed Risk Assessment (HPWRA)**: The Hawaii-Pacific Weed Risk Assessment addresses gaps in our capacity to prevent new invasive plants from entering the state and reduce the spread of existing

invasive plants. Continuation of funding for the HPWRA will fulfill prevention objectives highlighted in the 2008- 2013 Strategic Plan of the Hawaii Invasive Species Council, will allow for ongoing screening of new plants, and will also expand the list of both high risk species as well as low risk or “approved” species that are essential to public and private adoption of the system.

3. \$14,443.44 to the Hawai‘i Department of Agriculture Plant Pest Control Branch for **Early Detection of Africanized Honeybees and Exotic Honeybee Species**. Hawai‘i is the largest exporter of European honeybee queens in the world, an industry that is worth \$13 million to the local economy. These queens pollinate a range of crops whose value is in the billions of dollars. Africanized and Asian honeybees pose a serious threat to not just beekeeping in Hawai‘i but also to human health. This funding will provide proactive services including: the development of early detection systems, creating training and awareness programs for beekeepers, inspection personnel of various agencies, and shipping companies.

Research and Technology (Total Funding: \$0)

The HISC budget has decreased over recent years in direct relation to the fall in property sales associated with the economic downturn. During this time, the Research and Technology group has not been recommended for funding in order to maintain capacity in other programs. Research and Technology has not been allocated funds for the previous three years, and funding is not recommended for 2012.

HISC Support (Total Funding: \$234,565)

1. \$54,000 (3% of \$1,800,000) for DOFAW overhead.
2. \$126,000 (7% of \$1,800,000) for Central Services Fee.
3. \$54,565 for two HISC support positions:
 - a. **HISC Coordinator:** The duties of HISC Coordinator support the continued functioning of the HISC. The HISC Coordinator facilitates the convening of the Council and provides assistance in planning HISC operations, writing of annual reports, drafting policy documents related to invasive species management, administration of contracts, and budget management. The HISC Coordinator facilitates interagency collaboration and maintains communication between the HISC and leaders of projects receiving HISC funds. The HISC Coordinator maintains a broad understanding of invasive species issues in Hawai‘i and current gaps in funding and management.
 - b. **HISC Communications Coordinator:** The HISC Communications Coordinator’s duties are in direct support to the core functions of the HISC. The Communication Coordinator manages all internal and external communications for the HISC, including member agencies and supported projects. This position is also responsible for assisting with partnership building, engaging more participants in the HISC, promoting interagency collaboration, coordinating public education and community involvement strategies through the Public Outreach Working Group, and serving as the HISC point of contact for media and the outreach component of priority statewide issues.

Budget requests and recommended funding for fiscal year 2012:

HISC Support (\$234,565)		Request	Award
Hawai'i Invasive Species Council	DOFAW Overhead (3% of \$1.8M)	\$54,000.00	\$54,000.00
Hawai'i Invasive Species Council	Central Services Fee (7% of \$1.8M)	\$126,000.00	\$126,000.00
Hawai'i Invasive Species Council	HISC Coordinator and Communications Coordinator	\$54,565.00	\$54,565.00
Established Pests (\$1,215,212.56)			
Kaua'i Invasive Species Committee	Kaua'i Island Invasive Species Detection & Control	\$266,500.00	\$211,857.00
Oahu Invasive Species Committee	O'ahu Island Invasive Species Detection & Control	\$360,000.00	\$208,041.56
Division of Aquatic Resources	Aquatic Invasive Species (AIS) Management and Control	\$245,830.00	\$207,531.41
Big Island Invasive Species Committee	Big Island Invasive Species Detection & Control	\$386,500.00	\$205,000.00
Moloka'i/Maui Invasive Species Committee	Detection & Control of Invasive Species in Maui County	\$200,000.00	\$180,000.00
Big Island Invasive Species Committee	Big Island Axis Deer Project	\$166,800.00	\$90,000.00
Hawaii Department of Agriculture	Control of Little Fire and Emerging Pest Ant Species in Hawai'i	\$109,566.12	\$72,782.59
Hawai'i Department of Agriculture	Foreign Exploration and Introduction of Natural Enemies in Hawai'i for Suppression of Invasive Pests	\$100,000.00	\$40,000.00
Division of Forestry and Wildlife	Australian Tree Fern Control in Hono O Na Pali Natural Area Reserve	\$46,726.00	\$0.00
Pacific Cooperative Studies Unit	Management of Invasive Species Data and Web Products in Hawai'i	\$19,931.00	\$0.00
University of Hawaii	Real-Time Elimination of Incipient <i>Miconia (Miconia calvescens)</i> Targets using Herbicide Ballistic Technology (HBT) Platform	\$64,975.00	\$0.00
Division of Forestry and Wildlife	Kaena Point Ecosystem Restoration Project	\$9,482.00	\$0.00
Hawai'i Department of Agriculture	Control, Containment, or Eradication: Response to coqui frogs and other pests of the Hawaiian Islands	\$13,632.00	\$0.00
Division of Forestry and Wildlife	Mariana Swiftlet Predator Control Project	\$4,696.00	\$0.00
Hawai'i Department of Agriculture	Nosema Screening and Monitoring in Hawaii	\$16,843.44	\$0.00
Public Outreach (\$194,757)			
Moloka'i/Maui Invasive Species Committee	Public Outreach & Education in Maui County	\$35,000.00	\$35,000.00
Oahu Invasive Species Committee	O'ahu Island Invasive Species Public Education and Outreach	\$35,000.00	\$35,000.00
Big Island Invasive Species Committee	Hawai'i Island Invasive Species Education and Outreach	\$32,000.00	\$33,490.00
Kaua'i Invasive Species Committee	Public Education and Outreach in Kaua'i County	\$31,360.00	\$31,360.00
Pacific Cooperative Studies Unit	Management of Invasive Species Data and Web Products in Hawai'i	\$29,407.00	\$29,407.00
Hawaiian Ecosystems at Risk Project	Support of Invasive Species Public Outreach Efforts in Hawai'i	\$20,000.00	\$20,000.00
Division of Forestry and Wildlife	Hawai'i Landscape and Forestry Pest Identification Cards	\$5,000.00	\$6,000.00
Division of Aquatic Resources	Aquatic Invasive Species (AIS) Outreach	\$11,500.00	\$4,500.00
Hawai'i Department of Agriculture	Invasive Ant Outreach	\$20,100.00	\$0.00
West Maui Mountains Watershed Partnership	Stewardship & Invasive Species Education in West Maui	\$8,204.77	\$0.00
University of Hawaii	An illustrated guide to the non-native freshwater and land snails in Hawai'i	\$41,910.00	\$0.00
US Department of Agriculture (APHIS)	Species Introduction: inquiry-based curriculum and outreach actions for Hawai'i's keiki	\$13,591.97	\$0.00
Prevention (\$155,465.44)			

Hawai'i Invasive Species Council	Proposal for the Continued Support for the Hawai'i-Pacific Weed Risk Assessment FY2012	\$121,041.00	\$119,541.00
Division of Aquatic Resources	Ballast Water/Hull Fouling Coordinator	\$53,201.00	\$21,481.00
Hawai'i Department of Agriculture	Early Detection of Africanized Honeybees and Exotic Honeybee species	\$35,686.88	\$14,443.44
Hawai'i Department of Agriculture	Hawai'i Ant Lab Prevention Program for Invasive Ant Species	\$106,066.12	\$0.00
Pacific Cooperative Studies Unit	Management of Invasive Species Data and Web Products in Hawai'i	\$28,665.00	\$0.00
TOTAL		\$2.87M	\$1.8M