



2019 Executive Summary

HAWAII INVASIVE SPECIES COUNCIL

PROVIDING STATE POLICY DIRECTION, COORDINATION, AND PLANNING TO PROTECT HAWAII FROM THE IMPACTS OF INVASIVE SPECIES



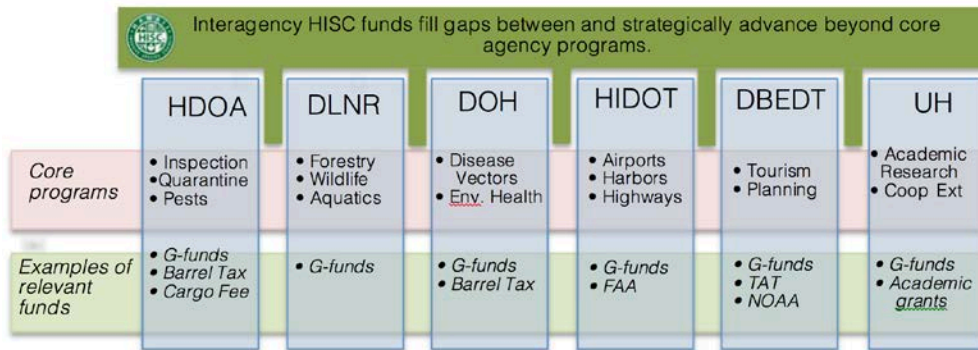
SUZANNE D. CASE DLNR SCOTT ENRIGHT HDOA KEITH KAWAOKA DOH LEO ASUNSCION DBEDT NICHOLAS COMERFORD, UH DAVID RODRIGUEZ DOT



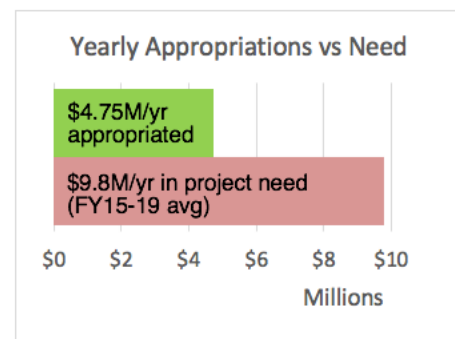
SEN. RON KOUCHI SEN. MIKE GABBARD SEN. J. KALANI ENGLISH SEN. LORRAINE INOUE REP. NADINE NAKAMURA REP. CHRIS LEE REP. KANIELA ING REP. NICOLE LOWEN

BUDGETARY ISSUES RELATING TO INVASIVE SPECIES

- State agencies largely address invasive species through existing programs funded by departmental budgets. A 2015 report by the Legislative Reference Bureau found that in FY14, \$19.6M (0.15% of a total \$13B state budget) in state funding was provided for invasive species programs across all state agencies.
- HISC funds support interagency projects and new research that help fill the gaps between permanent programs. In 2018 the legislature provided \$4.75M to the HISC for research and interagency projects, as well as several species-specific appropriations to various agencies.

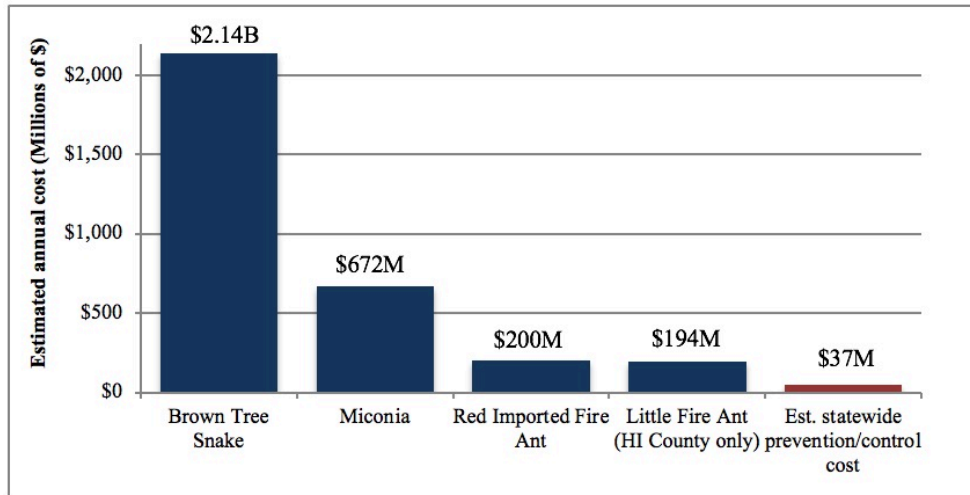


- In FY19 the HISC received 43 requests for research and interagency projects not covered by existing agency programs or funds, totaling \$7.5M
- Additional funding will be needed in FY20 to adequately support research and interagency projects
- The HISC also supports creating permanent civil service capacity where appropriate instead of funding critical projects on a year-to-year basis.



THE COST OF INACTION: ECONOMIC DAMAGES FROM INVASIVE SPECIES

Economic impacts from a sample of invasive species below, including estimated damages from species that are already in Hawaii (*Miconia* and little fire ant), as well as potential damages from species that have so far been kept from establishing (brown tree snake and red imported fire ant).



*L to R: brown tree snake impact (\$2.14B/yr in infrastructure, health costs, tourism), Miconia impacts (\$672M/yr in lost water recharge, bird habitat); RIFA cost (\$200M/yr in lost tourism, agriculture); LFA cost, HI County only (\$194M/yr in costs to various sectors); estimated **additional** annual need for invasives programs (HIBP). References available in full 2019 legislative report at <http://hisc.hawaii.gov>.*

ADVICE REGARDING INVASIVE SPECIES IN THE 2019 LEGISLATURE

The primary recommendation of the HISC to the legislature in 2019 is to **continue to implement the Hawaii Interagency Biosecurity Plan (HIBP)**, the State's 10-year vision roadmap to enhance biosecurity and invasive species mitigation (<http://dlnr.hawaii.gov/hisc/plans/hibp/>).

HIBP legislative goals achieved to date:

<ul style="list-style-type: none"> Fully restored the Vector Control Branch at Department of Health 	<ul style="list-style-type: none"> Appropriated planning funds for a new HDOA Biological Control facility
<ul style="list-style-type: none"> Approved HDOA to use transitional facilities for commodity inspection 	<ul style="list-style-type: none"> Added positions at DLNR DAR for aquatic biosecurity
<ul style="list-style-type: none"> Provided stable funds to the HISC by adding annual appropriation to base budget 	<ul style="list-style-type: none"> Provided \$6.5M in CIP funding to DLNR for watershed fencing to exclude invasive ungulates
<ul style="list-style-type: none"> Provided FY19 appropriations for rapid ohia death (\$1.55M), rat lungworm (\$300K), & rose-ringed parakeet (\$284K) 	<ul style="list-style-type: none"> Added two positions for UH Hawaii Ant Lab to expand services in Kona

Examples of key remaining legislative needs described in the HIBP:

<ul style="list-style-type: none"> Add positions at DLNR DOFAW for biosecurity in state protected areas 	<ul style="list-style-type: none"> Increase funding for critical biosecurity projects via HISC (LNR 402)
<ul style="list-style-type: none"> Create a Biosecurity Emergency Response Fund 	<ul style="list-style-type: none"> Add additional positions for commodity inspections at HDOA Plant Quarantine
<ul style="list-style-type: none"> Add additional positions at HDOA Plant Pest Control Branch 	<ul style="list-style-type: none"> Add base funding for the Invasive Species Committees and Hawaii Ant Lab to the UH budget
<ul style="list-style-type: none"> Add research and extension positions relating to biosecurity at UH CTAHR 	<ul style="list-style-type: none"> Move enforcement of HDOA import laws under the new Environmental Court

The 2019 legislative report *Budgetary and Other Issues Regarding Invasive Species* includes further details on the Hawaii Interagency Biosecurity Plan, the use of HISC funds in FY18-19, and provides a list of invasive species bills from the previous legislative session and their fate. For more information, visit <http://hisc.hawaii.gov>.