

**Title:** Supporting Invasive Species Outreach Efforts  
**Organization:** Hawaii Biodiversity Information Network  
**Award(s):** \$40,000



**Introduction:** The Hawaii Biodiversity Information Network (HBIN) provides for the continued maintenance, update, and expansion of a core invasive species outreach information infrastructure in Hawaii. Associated web products, databases, and data management services are important to the outreach efforts of certain programs in the State.

At an ideal full capacity, the HBIN yearly budget need would be \$220,000. At its current capacity the yearly budget is approximately \$100,000. In FY 13 HBIN requested \$50,875 to fund the creation of specific technical products to aid in invasive species outreach efforts and interagency communication. HBIN received \$40,000 (79% of FY 13 request; 40% of its current capacity budgetary needs; 18% of its ideal full capacity budgetary needs).

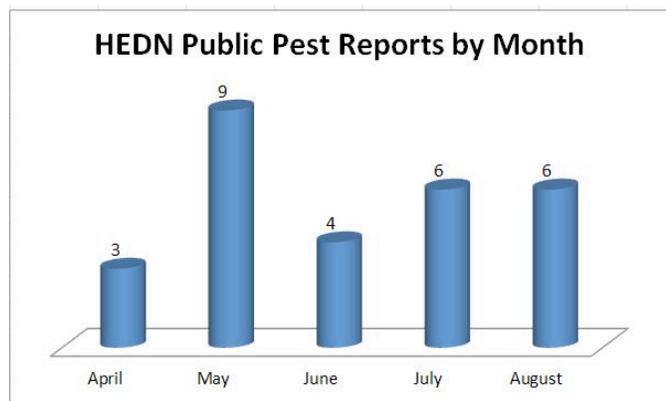
HBIN began HISC FY 13 project implementation and the use project funds in April 2013 and will continue until the end of the calendar year. This report details HBIN achievements from April 2013 to the present time.

### **Achievements in FY13**

**Hawaii Early Detection Network – Pest Reporting System:** Curate all HEDN public reports... (Review of initial report, interaction with reporter, facilitation of Assessment process, species identification, and referral to rapid response agency).

The Hawaii Early Detection Network (HEDN) Report-A-Pest (RAP) online pest reporting system ([reportapest.org](http://reportapest.org)) is hosted and managed within the HBIN infrastructure.

Since April 2013, 28 pest reports have been received from the public through the online pest reporting form. Reports may be in various stages of the curation process. Approximately 15 different species are the subject of these 28 reports.



**Hawaii Early Detection Network – Pest Reporting System:** Update and expand pest reporting internal referral and responder tree for all agencies and islands.

A complete review of the internal referral and responder tree is underway. We expect to have this completed by the end of November.

**Hawaii Pest Reporting Feed / Widget (Pest Report Access Tool – PRAT):** Create a customized “Feed” that aggregates HEDN Public Pest Reports, 643-Pest Hotline Reports (public), and Interagency Notifications.

The technological framework for the creation of RSS feeds for HEDN Public Pest Reports, 643-Pest Hotline Reports and Interagency Notifications has been established. Instead of having one aggregated feed as was originally planned, three different feeds (one for each type of report) will be generated. This will allow the end-user of the PRAT tool to choose which information feeds to access through the tool.



Reportapest.org and the Hawaii Early Detection Network site managed by HBIN

**Hawaii Pest Reporting Feed / Widget (Pest Report Access Tool – PRAT):** Develop customized Pest Report Widget that will consume the Pest Report “Feed” and can be placed on a user’s desktop.

The beta version of the Pest Report Access Tool (PRAT) has been developed and is in the testing phase. The tool allows users to view incoming Pest Reports or Interagency Notifications in near real-time. PRAT tool features:

- Easy to install run-time executable
- Small graphical user interface that is designed to stay open on a user’s desktop
- Ability to customize information feed consumption
- Hard-coded update frequency
- Ability to “Check Now”

**643-Pest Hotline Support and Integration:** Create customized online form and web application / database logic to capture, store and refer 643-Pest Hotline reports.

A beta version of a 643-Pest Hotline report form has been developed. The requirements for this input form were based on materials supplied by the Hawaii Department of Agriculture (HDOA). This new 643-Pest Hotline report form is designed to support HDOA efforts to manage phone-call-based public pest reports.

HDOA staff may use this new capability to divert all “non-investigative” public reports to the RAP system for curation. Once entered, these reports will be subjected to the same rule-based process as normal public reports submitted through the RAP system. This distributed work flow is intended to allow HDOA staff with limited time available to concentrate on the 643-Pest Hotline reports most important to the agency while still efficiently capturing and managing all Hotline reports.

**643-Pest Hotline Support and Integration:** Account for both “Investigative” (internal to HDOA) and “non-investigative” (sharable) scenarios.

The technical framework for the beta version accounts for both “Investigative and “Non-Investigative” scenarios. Investigative reports are those that are internal to HDOA, while non-investigative reports are those that are shareable with other agencies and possibly referred to other agencies for follow-up and response.

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