

Title: Management of Invasive Species Data and Web Products in Hawaii

Organization: Hawaii Biodiversity Information Network

Award: \$29,407



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

At an ideal full capacity, the HBIN yearly budget need would be \$220,000. In FY 12 HBIN requested \$89,551 to fund approximately 6 months (July to December) of activities. HBIN received \$29,407 (32% of FY 12 request; 18% of full capacity budgetary needs). The HISC FY 12 award was supplemented with \$50,000 in DOFAW general funds bringing the combined award to \$79,407 (89% of FY 12 HISC request; 36% of full capacity budgetary needs).

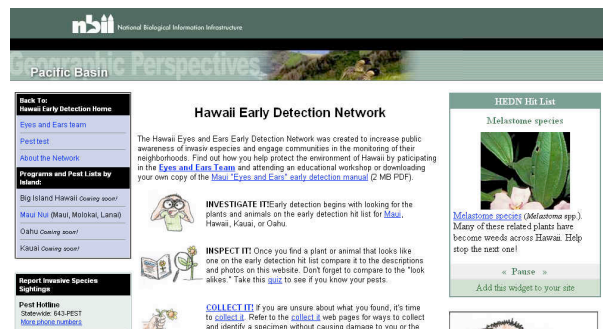
HISC FY 12 funds have supported the creation and transition of the HBIN project at UH Manoa PCSU from what was a federally funded program under the United States Geological Survey (USGS) called PBIN. The PBIN program officially ended on 7/31/2012. From 5/16/2012 (the official first day of the HBIN project) until 7/31/2012 there was a transition period where some HBIN staff were working for both programs. This report details HBIN achievements from 5/16/2012 to 8/15/2012.

Achievements in FY12 (5/16/2012 – 6/30/2012)

The Establishment of the HBIN Program:

The HBIN project officially started on 5/16/2012 when the Project Manager was hired at 50% FTE. From 5/16/2012 to 6/30/2012 the Project Manager worked to establish the HBIN team and create the administrative foundation for the project. Three other HBIN staff positions started within the first week of July. Specific activities from 5/16 to 6/30:

- Created and established three RCUH HBIN positions by writing position descriptions and managing approval process with the help of PCSU staff
- Managed the interview and hiring process with the help of PCSU staff
- Initiated the requisition of necessary technical equipment for the project
- Secured the maintenance and functioning of the HBIN server at UHMC
- Established necessary budget projections and budget management protocols
- Established task and deliverable management framework



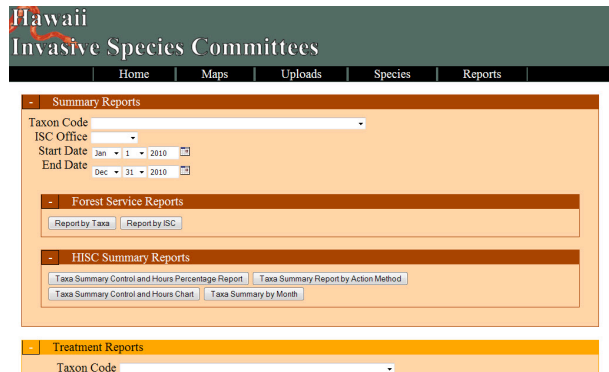
Reportapest.org and the Hawaii Early Detection Network site managed by HBIN

Achievements in FY12 (7/1/2012 – 8/15/2012)

The Plant Pono Website: Provide active hosting, management and curation (content updates and required changes) of the site based on HISC Public Outreach Working Group needs.

The Plant Pono website is hosted and managed within the HBIN infrastructure. A new version of this site has been in development and will be publically available soon. HBIN staff actively manages the back-end database. Activities related to this deliverable:

- Migrate site to a more stable server framework
- Maintain contractor access to website and back-end database
- Create the Plant Pono database standard and update procedure in collaboration with WRA Specialists



*Hawaii Invasive Species Committee
Reporting Site managed by HBIN*

Weed Risk Assessment Database: Convert existing WRA database data entry application to a web application.

The Weed Risk Assessment Database is hosted and managed within the HBIN infrastructure. The existing Microsoft Access / SQL Server model is not ideal for long-term stability; therefore, the front-end software will be converted into a web application. Activities related to the Weed Risk Assessment Database:

- Create a development environment and mirrored version of the WRA database
- Re-create table primary keys and key indexes
- Re-create database relationships
- Conduct first phase of Technical Requirements Analysis based on WRA Specialist needs

Hawaii Early Detection Network: Continued support and expansion of the reportapest.org online pest reporting system.

The reportapest.org online pest reporting system is hosted and managed within the HBIN infrastructure. During the past six weeks 6 public reports have been received from the public. Each report has been processed and curated by HBIN staff. This includes:

- Interaction with the public reporter
- Attempts to identify the reported pest
- Referral to appropriate agency

For more information, please contact: Sky Harrison (HBIN Project Manager) at skyh@hawaii.edu