

USGS Nonindigenous Aquatic Species (NAS) Program Products Produced for NBII

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The Nonindigenous Aquatic Species (NAS) program has been working with two nodes of the National Biological Information Infrastructure: the Pacific Basin Information Node (PBIN) and the Invasive Species Information Node (ISIN). Listed below are some of the products the NAS program produced for these two nodes in 2004.

NAS-Hawaii

<http://pbin.nbii.gov/NASHI/default.asp>

The NAS program created a tailored view of the national database that shows only data for Hawaii. Users may select a species, a taxonomic category, pathway, or status of introduced population. Results returned include species lists, collection information, Hawaii-specific maps, and species fact sheets.

NAS-Great Lakes

<http://nas.er.usgs.gov/GreatLakes>

A second tailored view, this one of the Great Lakes, is being created in partnership with NOAA's Institute for Invasive Species at the Great Lakes Environmental Research Lab in Ann Arbor, Michigan.

Pacific Islands Alien Snake Database

<http://pbin.nbii.gov/databases/snakeindex.html>

The NAS program, in conjunction with the USGS Brown Tree Snake Team, developed an on-line database for snake sightings in the Pacific Islands. No snakes are native to Pacific Islands, so any reports are of introductions. The new database, housed by PBIN, allows on-line data entry for those with permission; and on-line queries by the general public. NAS is coordinating with the Hawaiian Natural Heritage Program to develop mapping of locations using ArcIMS.

NISbase- Pacific Portal

<http://pbin.nbii.gov:8080/NISbase/SpSearchpbin.jsp>

NISbase is a distributed database of nonindigenous invasive species information developed jointly between the NAS program and the Smithsonian Environmental Research Center. The main focus of NISbase has been on aquatic species databases. The two programs worked with PBIN to establish a NISbase Pacific Portal. Four databases were added to the system, consisting primarily of terrestrial weed information and NAS-Hawaii.

Nonindigenous Species Alert System

<http://nas.er.usgs.gov/AlertSystem/>

The NAS program has developed an alert system for new locations of nonindigenous species (species new to: nation, state, county, drainage). Currently the system is working internally and alerts the data entry person of a new location. We are programming the system to allow users to register for alerts. A database will be kept of all alerts so that it can be viewed on the web or queried for new locations in a given time period. This system is now operational to the general public.