

Hawai'i Biodiversity & Mapping Program

University of Hawai'i at Manoa

Pacific Biosciences Research Center

Center for Conservation Research & Training



To: Jene Michaud, UHH CERE Focus Leader

From: Barbara Gibson, HBMP

Date: 30 April 2007

RE: Report on CERE Contract and Work Completed

Items 1 & 2, also related to Items 3 & 4:

The metadata for vector (GIS) and raster (including imagery) currently available to the public through the HBMP metadata catalog service: <http://hbmp.hawaii.edu/metadateexplorer>

Searches for GIS data that currently have FDGC complaint metadata can be made through a combination of either selecting an area on a map; selecting a topical theme from a dropdown menu; or using a keyword search. HBMP has added an additional 200+ records to the catalog since being awarded this contract. (There are currently 750+ data records in the catalog). A large number of the files added has been LIDAR data which have been processed by HBMP as part of this contract; these data are now available as a compressed GRID (*.e00) or hillshade files. When available, a link is provided in the metadata text where the actual data file may be downloaded. If the data is not yet available, a POC is listed as to who to contact to inquire about getting the data. A thematic list is below that describes the types of data that has been added to the metadata catalog.

- LIDAR derived from raw SHOALS data (All islands except Oahu)
- Ahupuaa (Hawaii, Kauai, Maui, Molokai, Oahu)
- Contour 500ft statewide
- Hazard Atlas Datasets
- Bathymetry statewide
- Invasive Dataset by Bishop Museum
- NOAA Habitat maps (Hawaii, Maui, Molokai, Oahu)
- Invasive Species Committee (ISC) Dataset 2006

Items 3 & 4:

HBMP has been in contact with several UH faculty, NGOs, and agency personnel concerning sharing their GIS data or, at the very least, their metadata. It is anticipated that many will be willing to share their metadata, if not their GIS data files. The HBMP GIS server may house some of the data in the future in order to provide easier access to the data for GIS users within the UH community. Below is a summary of data where either inquiries have been made, or the data are in the processes of being shared. Note: metadata and other details about the data are not available at this time, but will be as it is shared by each faculty or agency over the next fiscal year.

GIS DATASET 2007-2008 RELEASE

Apple Snail (Rob Cowie)

Bird and Goat Game Management survey (Jason Misaki, DOFAW)

DOFAW Waterbird Survey Shapefile

DOFAW Oahu Game Bird shapefile from 2000-2005

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• <http://hbmp.hawaii.edu> •

HBMP old projects as (HINHP/TNC)
Oahu's Offshore Islets
Rapa Nui Dataset
Update datasets from the State of Hawaii GIS Site
Update HIGAP Stewardship
Update ISC Dataset 2007
Update Watershed Partnership
Wetland Inventory Network Shapefile

IMAGERY 2007-2008 RELEASE

LIDAR derived from raw SHOALS data (Oahu)
LIDAR 2005 update (GRID / Hillsshade)
Oahu 2000 version

Restricted Imagery:

IKONOS (HIC)
IfSAR (NOAA)
Digital Globe/QuickBird (State)