



## Metadata

# Hawaiian Freshwater Algal Database

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Exported from the Freshwater Biodiversity Data Portal, <http://data.freshwaterbiodiversity.eu>  
Visit the Freshwater Metadatabase, [http://data.freshwaterbiodiversity.eu/metadb/about\\_metadata](http://data.freshwaterbiodiversity.eu/metadb/about_metadata)

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### General information

**name of the dataset:**

full name of the dataset: *Hawaiian Freshwater Algal Database*

dataset short name: *HfwADB*

**type of dataset ([more information](#)):** *species (taxonomic group) per site database including environmental information*

data type: *point data/observation data*

short description of the dataset/summary:

*HfwADB is a digital repository that acts as a Laboratory Information Management System for Hawaiian non-marine algal data. Users can interact with the repository through the web to view relevant habitat data (including geo-referenced collection locations) and download images of collection sites, specimen photographs and micrographs, and DNA sequences.*

**science keywords according to [GCMD](#):**

topic: *Biosphere, Biological Classification*

keywords: *Algae, Biodiversity survey, Freshwater, Hawaii, Hawaiian Freshwater Algal Database, HfwADB*

**ISO topic category according to [ISO 19115](#):**

*Biota, Environment, Inland Waters*

## Technical and administrative specifications

**data format:** *MySQL*  
**operating system:** *Linux*  
**data language:** *English*  
**current access level:** *web (public)*  
web address (URL): *http://algae.manoa.hawaii.edu/hfwadb/*  
others/details: *The template MySQL database and PHP scripts are available upon request from the authors*

currently available through [GBIF](#): *no*  
exchange planned: *yes*  
**update level:** *continuously updated*

**documentation:**  
type: *scientific paper*  
language: *English*  
others/details: *http://www.biomedcentral.com/1472-6785/12/22/abstract*

### Do you plan to publish the data on the Freshwater Biodiversity data portal:

media for data delivery: *online internet (HTTP)*  
web address: *http://algae.manoa.hawaii.edu/hfwadb/*

### contact details:

metadata contact person:  
first, last name: *Alison R Sherwood*  
phone: *(808) 956-4115*  
email: *asherwoo@hawaii.edu*  
institution: *Botany Department, University of Hawai'i at Manoa*  
address: *3190 Maile Way,*  
postal code, city: *HI 96822 Honolulu*  
province, state: *Hawaii*  
country: *USA*  
web address: *hadb@hawaii.edu*

technical contact person:  
scientific contact person:

**comments:** *[This entry is currently filled by the BioFresh team by visiting the site and needs to be validated by one of the data holders.]*

## Intellectual property rights and citation

(if the database is already published):

### dataset creator (data compiler):

contact name: *Alison R Sherwood*  
contact email: *asherwoo@hawaii.edu*

### data contributors to/owners of this dataset:

*single*

criteria for using the data in a publication/scientific analysis:

*The dataset is publicly available (data portal, data archive) and can be used without restrictions, but must be acknowledged and cited correctly.*

### citation of this dataset:

author(s): *Sherwood and Presting Laboratories*  
title: *HfwADB: Hawaiian Freshwater Algal Database*  
year: *2009-2011*

### citation of the metadata:

## General data specifications

### regional coverage of the dataset:

scale of the dataset:	<i>regional</i>
continents:	<i>North America</i>
countries:	<i>North America: United States</i>
comments:	<i>Only Hawaii is covered.</i>

## Site specifications

<b>coordinate system/grid data:</b>	<i>latitude/longitude, format: DD</i>
grid data available:	<i>yes</i>
comments:	<i>Each collection site is documented with photographs and GPS coordinates.</i>
<b>site coding:</b>	
site coding available:	<i>yes</i> <i>numerical</i>
number of digits:	<i>5</i>
example:	<i>04117</i>
<b>number of sites:</b>	<i>&gt;1000</i>
exact number of sites:	<i>1786</i>
<b>comments:</b>	<i>At the present time the database houses data for over 2,825 samples of non-marine algae from 1,786 collection sites.</i>

## Climate and environmental data

<b>climate related data:</b>	<i>no data available</i>
<b>environmental data:</b>	<i>no parameter data per catchment available</i> <i>no parameter data per site available</i>
<b>physico-chemistry data:</b>	<i>no data available</i>
<b>stressors influencing the sites:</b>	
reference sites available:	<i>no</i>
	<i>no stressor data available</i>

## **Biological data**

**biological data origin:**

specify project:

*from sampling*

*The Hawaiian Freshwater Algae Biodiversity Survey*

organism group addressed:

*phytoplankton, phytobenthos, (benthic) diatoms, macroalgae, other  
group(s): euglenoids*

## Sample specifications/sample resolution

phytoplankton:

**sample information:**

**taxonomic resolution:**

*order, family, sub-family, genus, species, other*

other taxonomic levels:

*class, subclass, phylum, subphylum*

**taxonomic coding:**

**sample specifications:**

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phytobenthos:

**sample information:**

**taxonomic resolution:**

**taxonomic coding:**

**sample specifications:**

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(benthic) diatoms:

**sample information:**

**taxonomic resolution:**

**taxonomic coding:**

**sample specifications:**

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macroalgae:

**sample information:**

**taxonomic resolution:**

**taxonomic coding:**

**sample specifications:**

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other group(s):

**sample information:**

**taxonomic resolution:**

**taxonomic coding:**

**sample specifications:**

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## Other specifications

availability of photos:           yes  
availability of maps:            yes  
quality control procedures: