



OBFS Data Registry on the KNB

Will Tyburczy

National Center for Ecological Analysis
and Synthesis

UC Santa Barbara





Terminology: Data and Metadata

DATA

- Actual values of measurements taken
- Stored in a variety of formats

METADATA

- The context of the data, how to interpret the values, the format of the data, etc
- Stored using EML documents

A metadata entry, with or without its accompanying data, is called a data package.



Terminology:

Registries and Repositories

REGISTRY

- Creates a data package with metadata only
- Useful for documenting existence of data

REPOSITORY

- Creates an data package with both metadata and data
- Useful for data archival



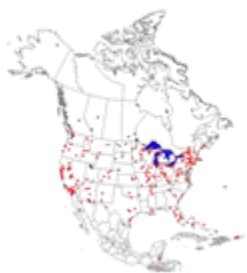
The Knowledge Network for Biocomplexity (KNB)

- A national network to facilitate ecological and environmental research
- A technological approach to documenting and storing ecological data and metadata
- Adopted by OBFS, LTER, ESA (pilot 2006), PISCO, UCNRS, and others



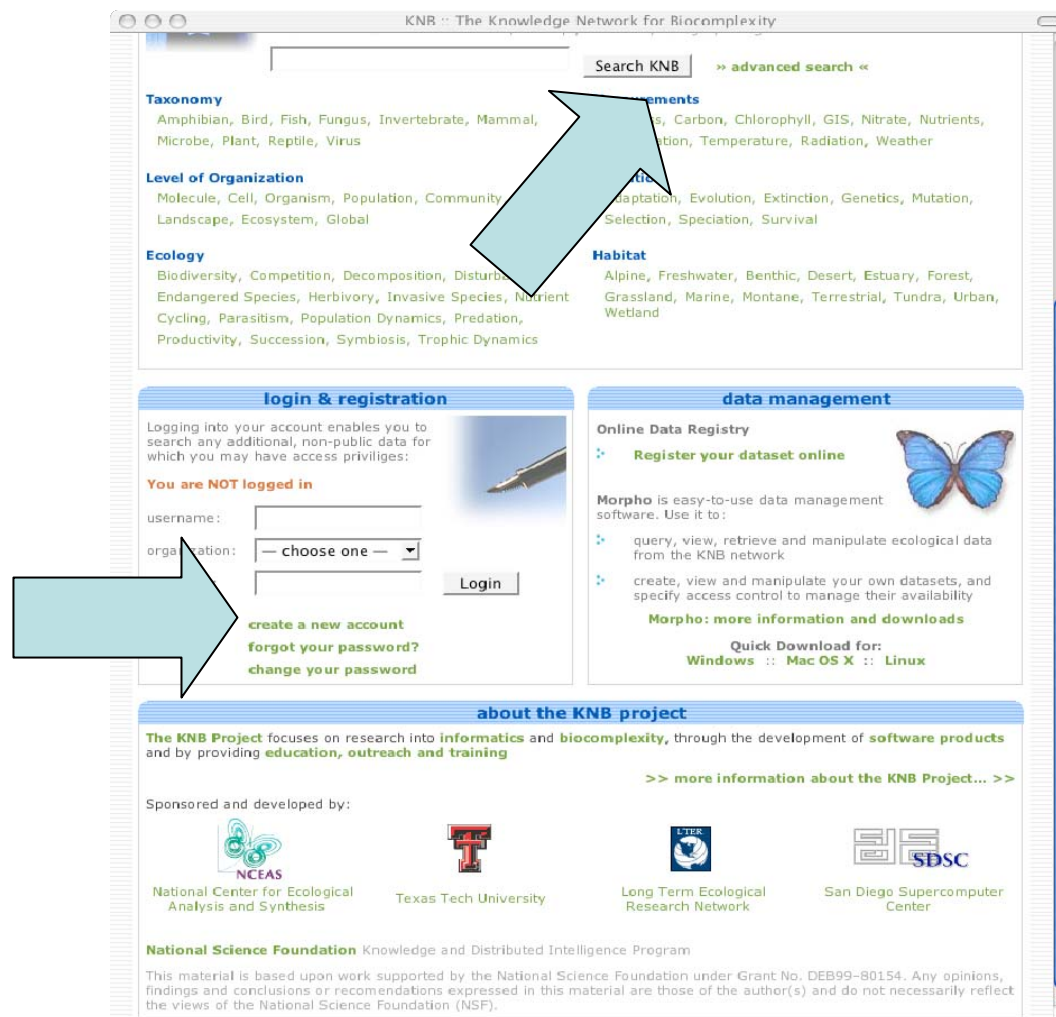
The Knowledge Network for Biocomplexity (KNB)

- Consolidates data and metadata from a highly-distributed set of individual researchers, field stations, laboratories, and research sites
- Expedites metadata discovery, access, interpretation, integration and analysis



Creating a KNB account

- Go to the KNB website
- Click on "create a new account" on the lower left of the webpage
- You can also search for data packages across the whole KNB from this site



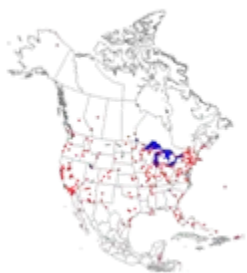
<http://knb.ecoinformatics.org>



Creating a KNB account

- Fields with asterisks are required
- Select OBFS for your organization
- Remember your username, password, and organization for future use

A screenshot of a web browser window titled "Data Registry". The page has a blue header with the "KNB" logo and the text "Biocomplexity Data Search" and "Home". Below the header, the main heading is "Register for the Knowledge Network for Biocomplexity (KNB)!". A paragraph of text explains the purpose of registration. Below this, a note states "Required fields are denoted by an asterisk (*)". The registration form consists of several labeled input fields: "* First Name:", "* Last Name:", "* Organization:" (with a dropdown menu showing "KU"), "Telephone:", "* E-mail:", "Title:", "* Username:", "* Password:", and "* Confirm Password:". A "Register" button is located at the bottom right of the form.



The OBFS Data Registry

- Creates an EML document for the metadata of your data set
- Stores the document on the KNB
- Allows others to browse data packages associated with OBFS

The screenshot shows a web browser window titled "OBFS Data Registry". The main heading is "Organization of Biological Field Stations Data Registry". Below this is a navigation bar with links: "OBFS Home", "Registry Home", "Register a New Data Set", and "Search for Data". To the right of the navigation bar is the OBFS logo, which consists of four square icons: a bird, a mountain, a cactus, and a seal, with the text "OBFS" in the center. The main content area contains a welcome message, a paragraph about the project's cooperative effort involving OBFS, NCEAS, UC Natural Reserve System, and LTER Network Office, and a paragraph about credit for data sets. Below this is a section titled "Registry Tools" with two bullet points: "Browse existing OBFS data sets" and "Register a new OBFS data set". Each bullet point has a brief description of the tool's function.

OBFS Data Registry

Organization of Biological Field Stations Data Registry

[OBFS Home](#) [Registry Home](#) [Register a New Data Set](#) [Search for Data](#)

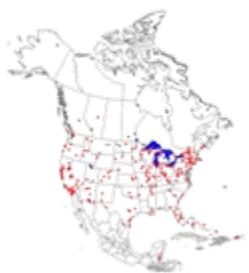
Welcome to the OBFS Data Registry. This is the primary source for comprehensive information about scientific and research data sets collected within or under the auspices of the Organization of Biological Field Stations.

This project is a cooperative effort of [OBFS](#), the [National Center for Ecological Analysis and Synthesis \(NCEAS\)](#), the [UC Natural Reserve System](#), and the [LTER Network Office](#). The Data Registry is based on software developed by the [Knowledge Network for Biocomplexity \(KNB\)](#), and houses metadata that are compliant with [Ecological Metadata Language \(EML\)](#).

Credit for the data sets in this registry goes to the investigators who collected the data, and also to the OBFS sites and system for providing an effective and pleasant environment for research and education at the individual research stations. Our particular thanks go out to the OBFS reserve managers, scientists, and stewards for their comments and continuing support.

Registry Tools

- **Browse existing OBFS data sets**
The registry search system is used to locate data sets of interest by searching through existing registered data sets. Presently the search covers all fields, including author, title, abstract, keywords, and other documentation for each dataset. (More sophisticated search capabilities, including boolean field searches, will be available in future.)
- **Register a new OBFS data set**
The registration page is used to submit information about a **new** data set associated with OBFS research. The documentation about the data set will be reviewed and then submitted to the Registry.




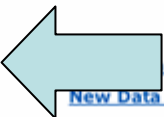
Finding the Registry

- Go to the OBFS website
 - www.obfs.org
- Click the “Metadata Catalog” link
- Click the “Registry Home” link

OBFS Data Registry

Organization of Biological Field Stations Data Registry

[OBFS Home](#) [Registry Home](#) [New Data Set](#) [Search for Data](#)



Data Registry Form

Use this form to submit a new data set description for inclusion in the registry .

Please have a look at the [Guide for Completing the Data Registry Form](#) before you start filling in this form. Also, use your browser's Reload/Refresh function to make sure you see the latest version of this page.

If you have any questions, comments or problems regarding this form, please contact Mark Stromberg at stromberg@berkeley.edu.

*Denotes a required field.

BASIC INFORMATION (What's this?)		Hide
* First Name	<input type="text"/>	
* Last Name	<input type="text"/>	
* Data Set Title	<input type="text"/>	
* Station Name	Select your station here. <input type="text"/>	
PRINCIPAL DATA SET OWNER (What's this?)		Hide
* First Name	<input type="text"/>	
* Last Name	<input type="text"/>	
Organization Name	<input type="text"/>	
E-Mail	<input type="text"/>	



Searching for OBFS data

- Two methods
- Browse all available data
- Search for specific terms

OBFS Data Registry

Organization of Biological Field Stations Data Registry

[OBFS Home](#) [Registry Home](#) [Register a New Data Set](#) [Search for Data](#)

Welcome to the OBFS Data Registry. This is the primary source for comprehensive information about OBFS and research data sets collected within or under the auspices of the Organization of Biological Field Stations.

This project is a cooperative effort of [OBFS](#), the [National Center for Ecological Analysis and Synthesis \(NCEAS\)](#), the [UC Natural Reserve System](#), and the [LTER Network Office](#). The Data Registry is based on software developed by the [Knowledge Network for Biocomplexity \(KNB\)](#), and houses metadata that are compliant with [Ecological Metadata Language \(EML\)](#).

Credit for the data sets in this registry goes to the investigators who collected the data, and also to the OBFS sites and system for providing an effective and pleasant environment for research and education at the individual research stations. Our particular thanks go out to the OBFS reserve managers, scientists, and stewards for their comments and continuing support.

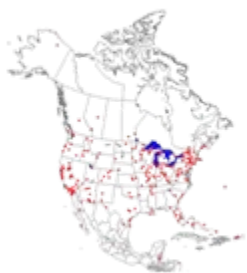
Registry Tools

- [Browse existing OBFS data sets](#)

The registry search system is used to locate data sets of interest by searching through existing registered data sets. Presently the search covers all fields, including author, title, abstract, keywords, and other documentation for each dataset. (More sophisticated search capabilities, including boolean field searches, will be available in future.)

- [Register a new OBFS data set](#)

The registration page is used to submit information about a **new** data set associated with OBFS research. The documentation about the data set will be reviewed and then submitted to the Registry.



Search Results

- Click "View" or the name of the data package to see the description
- "Edit" and "Delete" functions are controlled by access rights

Organization of Biological Field Stations
Data Registry

[OBFS Home](#) [Registry Home](#) [Register a New Data Set](#) [Search for Data](#)

198 data packages found

Title	Contacts	Organization	Keywords	Actions
» 120 Band Hyperspectral Data for the Inger and Walter Rice Center for Environmental Life Sciences	William Shuart Shuart Shuart	Select your station here.	GIS hyperspectral data remote sensing	View Edit Delete
ID: obfs.324.3				
» A biological survey of Long Pond, Presque Isle Park, Erie, Pennsylvania	Walker Johnston Gail F. Johnston	(PA) Pymatuning Laboratory of Ecology	community structure pH Ponds Pennsylvania Presque Isle water temperature	View Edit Delete
ID: obfs.240.3				
» A comparison of colonial and non-colonial nesting by northern orioles in central coastal California	Williams Williams Mark Stromberg	Organization of Biological Field Stations		View Edit Delete
ID: obfs.70.4				
» A comparison of territorial behavior in the hummingbirds	Bransfield Bransfield	(CA) Hastings Natural History		View Edit



Registering data

- Return to the OBFS Registry Home
- Click “Register a New Data Set”

OBFS Data Registry

Organization of Biological Field Stations Data Registry

[OBFS Home](#) [Registry Home](#) [Register a New Data Set](#) [Data](#)

Welcome to the OBFS Data Registry. This is the primary source for comprehensive information about scientific and research data sets collected within or under the auspices of the Organization of Biological Field Stations.

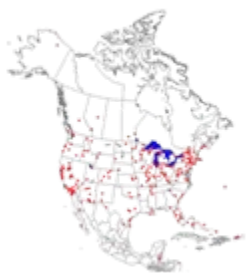
This project is a cooperative effort of [OBFS](#), the [National Center for Ecological Analysis and Synthesis \(NCEAS\)](#), the [UC Natural Reserve System](#), and the [LTER Network Office](#). The Data Registry is based on software developed by the [Knowledge Network for Biocomplexity \(KNB\)](#), and houses metadata that are compliant with [Ecological Metadata Language \(EML\)](#).

Credit for the data sets in this registry goes to the investigators who collected the data, and also to the OBFS sites and system for providing an effective and pleasant environment for research and education at the individual research stations. Our particular thanks go out to the OBFS reserve managers, scientists, and stewards for their comments and continuing support.

Registry Tools

- [Browse existing OBFS data sets](#)
The registry search system is used to locate data sets of interest by searching through existing registered data sets. Presently the search covers all fields, including author, title, abstract, keywords, and other documentation for each dataset. (More sophisticated search capabilities, including boolean field searches, will be available in future.)
- [Register a new OBFS data set](#)
The registration page is used to provide information about a **new** data set associated with OBFS research. The documentation about the data set will be reviewed and then submitted to the Registry.

<http://knb.ecoinformatics.org/style/skins/obfs/index.html>



The Registry Form

- Fields with an asterisk are required
- The "Guide for Completing the Data Registry Form" provides info on best practices
- Click "What's This?" for more an explanation of the fields in that section

OBFS Data Registry

Organization of Biological Field Stations Data Registry

[OBFS Home](#) [Registry Home](#) [Register a New Data Set](#) [Search for Data](#)

Data Registry Form

Use this form to submit a new data set description for inclusion in the registry.

Please have a look at the [Guide for Completing the Data Registry Form](#) this form. Also, use your browser's Reload/Refresh function to make sure you see the latest version of the form.

If you have any questions, comments or problems regarding this form, please contact Mark Stromberg at stromberg@berkeley.edu.

* Denotes a required field.

BASIC INFORMATION (What's this?) Hide	
* First Name	<input type="text"/>
* Last Name	<input type="text"/>
* Data Set Title	<input type="text"/>
* Station Name	Select your station here <input type="text"/>

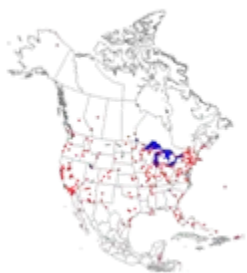
PRINCIPAL DATA SET OWNER (What's this?) Hide	
* First Name	<input type="text"/>
* Last Name	<input type="text"/>
Organization Name	<input type="text"/>
E-Mail	<input type="text"/>



The Registry Form: Basic Information

BASIC INFORMATION (What's this?)		Hide
*First Name	<input type="text"/>	
*Last Name	<input type="text"/>	
*Data Set Title	<input type="text"/>	
*Station Name	<input type="text" value="Select your station here."/> ▼	

- The name is for the person completing the form, NOT the data set owner
- The title should be informative (i.e. not just the name of a computer file)
- Remember to select your research station from the list



The Registry Form: Data Set Owner

PRINCIPAL DATA SET OWNER [\(What's this?\)](#) [Hide](#)

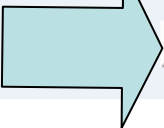
*First Name	<input type="text"/>
*Last Name	<input type="text"/>
Organization Name	<input type="text"/>
E-Mail	<input type="text"/>
Phone	<input type="text"/>
FAX	<input type="text"/>
Street Information	<input type="text"/> (number, street, unit, etc.; comma-separated)
City	<input type="text"/>
State	<input type="text" value="Select state here."/> ▼
Other State/Province	<input type="text"/>
Postal Code	<input type="text"/>
Country	<input type="text"/>

- Enter the name and contact information for the primary owner for the data



The Registry Form: Associated Parties

ASSOCIATED PARTIES [\(What's this?\)](#) [Hide](#)

First Name	<input type="text"/>
Last Name	<input type="text"/>
Role	<input type="text" value="Co-owner"/>
	
<input type="button" value="Add Associated Party"/>	

- List any additional people associated with the dataset
- Click “Add Associated Party” to add the party (parties are NOT added until this button is pressed)



The Registry Form: Associated Parties

ASSOCIATED PARTIES [What's this?](#) [Hide](#)

First Name

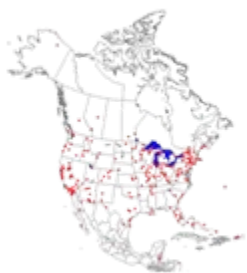
Last Name

Role

↕ ↕ ✕ Jane Doe (Role: Co-owner)

↕ ↕ ✕ John Smith (Role: Co-owner)

- Entered parties appear at the bottom of the section
- Delete entered parties or rearrange the order using the buttons beside their names



The Registry Form: Abstract

DATA SET ABSTRACT (What's this?) Hide	
*Data Set Abstract	

- Enter a brief description of the dataset, including content and purpose



The Registry Form: Keywords

KEYWORD INFORMATION [\(What's this?\)](#)

[Hide](#)

For samples, see [NASA Global Change Master Directory \(GCMD\)](#).

Keyword

Keyword Type

Keyword Thesaurus

- Add keywords to the list
- Select the type of keyword
- State whether the keyword came from the Global Change Master Directory
- Click "Add Keyword" to enter the keyword



The Registry Form: Keywords

KEYWORD INFORMATION [\(What's this?\)](#) [Hide](#)

For samples, see [NASA Global Change Master Directory \(GCMD\)](#).

Keyword

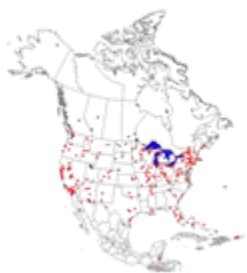
Keyword Type

Keyword Thesaurus

⚡ ⚡ ✕ Biomass (Type: Theme, Thesaurus: GCMD)

⚡ ⚡ ✕ Estuarine Habitat (Type: Place, Thesaurus: GCMD)

- Entered keywords are listed at the bottom of the section



Global Change Master Directory Keywords

- A list of keywords relevant to global change
- Using keywords from this list will improve the visibility of your dataset
- Most relevant keywords are in the "EARTH SCIENCE > Biosphere" section

GODDARD SPACE FLIGHT CENTER

Global Change Master Directory
a directory to Earth science data and services

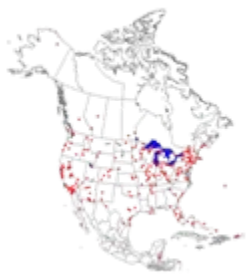
Home Data Sets Data Services Collaborations Add to GCMD What's New Participate Calendar Links

GCMD Keywords
GCMD Science Keywords

CATEGORY > TOPIC > TERM > VARIABLE

EARTH SCIENCE > Agriculture > Agricultural Aquatic Sciences > Aquaculture
 EARTH SCIENCE > Agriculture > Agricultural Aquatic Sciences > Fisheries
 EARTH SCIENCE > Agriculture > Agricultural Chemicals > Fertilizers
 EARTH SCIENCE > Agriculture > Agricultural Chemicals > Pesticides
 EARTH SCIENCE > Agriculture > Agricultural Engineering > Agricultural Equipment
 EARTH SCIENCE > Agriculture > Agricultural Engineering > Farm Structures
 EARTH SCIENCE > Agriculture > Agricultural Plant Science > Crop/Plant Yields
 EARTH SCIENCE > Agriculture > Agricultural Plant Science > Cropping Systems
 EARTH SCIENCE > Agriculture > Agricultural Plant Science > Irrigation
 EARTH SCIENCE > Agriculture > Agricultural Plant Science > Plant Breeding and Genetics
 EARTH SCIENCE > Agriculture > Agricultural Plant Science > Plant Diseases/Disorders/Pests
 EARTH SCIENCE > Agriculture > Agricultural Plant Science > Reclamation/Revegetation/Restoration
 EARTH SCIENCE > Agriculture > Agricultural Plant Science > Weeds, Noxious Plants Or Invasive Plants
 EARTH SCIENCE > Agriculture > Animal Commodities > Dairy Products
 EARTH SCIENCE > Agriculture > Animal Commodities > Livestock Products
 EARTH SCIENCE > Agriculture > Animal Commodities > Poultry Products
 EARTH SCIENCE > Agriculture > Animal Science > Animal Breeding and Genetics
 EARTH SCIENCE > Agriculture > Animal Science > Animal Diseases/Disorders/Pests
 EARTH SCIENCE > Agriculture > Animal Science > Animal Ecology and Behavior
 EARTH SCIENCE > Agriculture > Animal Science > Animal Management Systems
 EARTH SCIENCE > Agriculture > Animal Science > Animal Manure and Waste
 EARTH SCIENCE > Agriculture > Animal Science > Animal Nutrition
 EARTH SCIENCE > Agriculture > Animal Science > Animal Physiology and Biochemistry
 EARTH SCIENCE > Agriculture > Animal Science > Animal Yields
 EARTH SCIENCE > Agriculture > Animal Science > Animal Science > Aquaculture
 EARTH SCIENCE > Agriculture > Animal Science > Sericulture
 EARTH SCIENCE > Agriculture > Feed Products > Feed Composition
 EARTH SCIENCE > Agriculture > Feed Products > Feed Contamination and Toxicology
 EARTH SCIENCE > Agriculture > Feed Products > Feed Processing
 EARTH SCIENCE > Agriculture > Feed Products > Feed Storage
 EARTH SCIENCE > Agriculture > Food Science > Food Additives
 EARTH SCIENCE > Agriculture > Food Science > Food Contamination and Toxicology
 EARTH SCIENCE > Agriculture > Food Science > Food Packaging
 EARTH SCIENCE > Agriculture > Food Science > Food Processing
 EARTH SCIENCE > Agriculture > Food Science > Food Quality
 EARTH SCIENCE > Agriculture > Food Science > Food Storage
 EARTH SCIENCE > Agriculture > Forest Science > Afforestation/Reforestation
 EARTH SCIENCE > Agriculture > Forest Science > Defoliants
 EARTH SCIENCE > Agriculture > Forest Science > Forest Conservation
 EARTH SCIENCE > Agriculture > Forest Science > Forest Fire Science

http://gcmd.nasa.gov/Resources/valids/gcmd_parameters.html



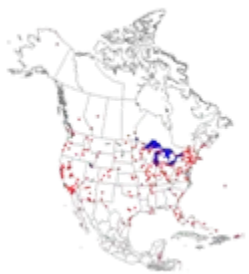
The Registry Form: Temporal Coverage

TEMPORAL COVERAGE OF DATA [\(What's this?\)](#) [Hide](#)

Start Date		Stop Date	
*Year (yyyy)	<input type="text"/>	Year (yyyy)	<input type="text"/>
*Month	<input type="text" value="00"/>	Month	<input type="text" value="00"/>
*Day	<input type="text" value="00"/>	Day	<input type="text" value="00"/>

Note: Leave "Stop Date" blank if your data set is open-ended.

- Select a start date for the dataset
- If a defined endpoint exists, select a stop date



The Registry Form: Spatial Coverage

- Describe where the data collection occurred
- Enter the bounding coordinates of the data collection
- Remember to enter the NW corner of the collection first

SPATIAL COVERAGE OF DATA [\(What's this?\)](#)

[Hide](#)

*Geographic Description

General description of the geographic area in which the data were collected. It can be a simple place name (e.g., Santa Barbara) or a fuller description.

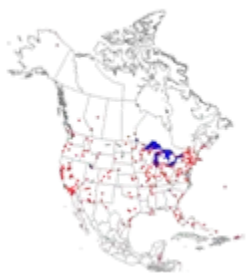
COORDINATES

	Degrees	Minutes	Seconds		
*Latitude	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> North	<input type="radio"/> South
*Longitude	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> West	<input type="radio"/> East

If only this first lat/long pair is entered, this indicates a point location. If both lat/long pairs are entered, then this first pair represents the northwest corner of a bounding box.

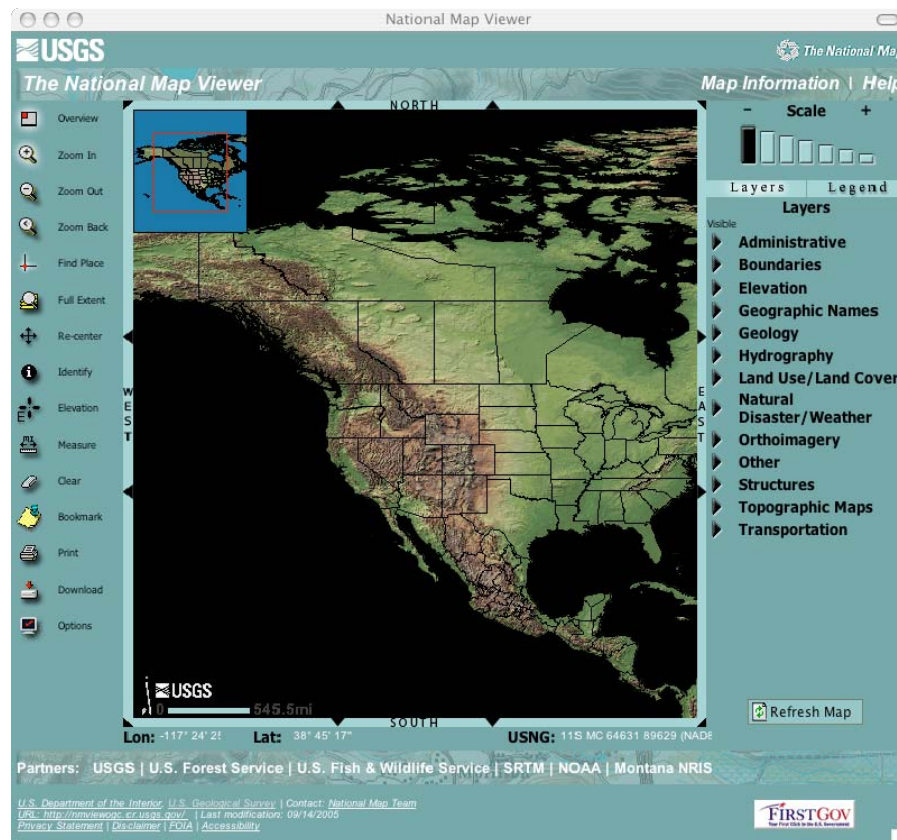
Latitude	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> North	<input type="radio"/> South
Longitude	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> West	<input type="radio"/> East

If entered, this lat/long pair represents the southeast corner of a bounding box.



The USGS National Map

- Detailed map system for the USA
 - Can view streams, roads, and cities through layers
- Google Earth is another interface for finding bounding coordinates
<http://earth.google.com>



<http://nationalmap.gov>



The Registry Form: Taxonomic Coverage

TAXONOMIC COVERAGE OF DATA (What's this?)		Hide
See the Glasgow Taxonomic Name Server or the Integrated Taxonomic Information System for correct spelling of taxonomic names.		
Taxonomic Rank	<input type="text"/>	(e.g., Species)
Taxonomic Name	<input type="text"/>	(e.g., <i>Ursus arctos</i>)
<input type="button" value="Add Taxon"/>		
<hr/>		
Taxonomic Reference	<input type="text"/>	
List the source(s) used for identifying and naming taxa (e.g., name of a field guide, key, or nomenclature revision).		

- List the name and rank of the taxa covered in the data
 - For the species rank, enter the full binomial name
- Click “Add Taxon” to enter the values
- You can also list the reference you used for identifying taxa



The Registry Form: Taxonomic Coverage

- Taxa appear below the “Add Taxon” button

TAXONOMIC COVERAGE OF DATA [\(What's this?\)](#)

[Hide](#)

See the [Glasgow Taxonomic Name Server](#) or the [Integrated Taxonomic Information System](#) for correct spelling of taxonomic names.

Taxonomic Rank (e.g., Species)

Taxonomic Name (e.g., *Ursus arctos*)

Add Taxon

Rank: Phylum, Name: Arthropoda

Rank: Genus, Name: Drosophila

Rank: Species, Name: Drosophila melanogaster

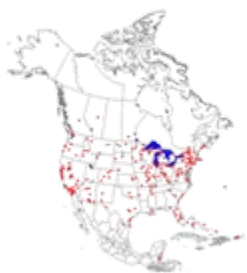
Rank: Phylum, Name: Nematoda

Rank: Family, Name: Rhadbitidae

Rank: Species, Name: Caenorhabditis elegans

Taxonomic Reference

List the source(s) used for identifying and naming taxa (e.g., name of a field guide, key, or nomenclature revision).



The Integrated Taxonomic Information System (ITIS)

- Search engine for current taxon names
- Ensures common nomenclature for taxa in registry

The screenshot shows the ITIS website with a browser window titled "Integrated Taxonomic Information System". The page features a green sidebar with a tree icon and a list of links: "What's New", "About ITIS", "Data Access", "Submit Data", "Tools", "TRED", "Links", and "Comments". The main content area has the ITIS logo and a welcome message. Below the message is a "Quick search on:" section with radio buttons for "Any Name or TSN*", "Common Name", "Scientific Name", and "TSN*". There are also dropdown menus for "In: every" and "Kingdom" containing, followed by a "Search" button. At the bottom right, there is a link to "Go to Advanced Search and Report", the text "Last Updated: 23-Nov-2004", a link to "Privacy statement and disclaimers", and the URL "http://www.itis.usda.gov/index.html".

Integrated Taxonomic Information System

ITIS Integrated Taxonomic Information System

Welcome to ITIS, the Integrated Taxonomic Information System! Here you will find authoritative taxonomic information on plants, animals, fungi, and microbes of North America and the world. We are a [partnership](#) of U.S., [Canadian](#), and [Mexican](#) agencies ([ITIS-North America](#)); other organizations; and taxonomic specialists. ITIS is also a partner of [Species 2000](#) and the [Global Biodiversity Information Facility \(GBIF\)](#).

Quick search on:

☒ Any Name or TSN* ☐ Common Name ☐ Scientific Name ☐ TSN*

In: Kingdom

* Taxonomic Serial Number (TSN)

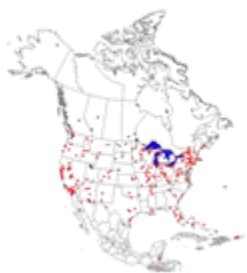
[Go to Advanced Search and Report](#)

Last Updated: 23-Nov-2004

[Privacy statement and disclaimers](#)

<http://www.itis.usda.gov/index.html>

<http://www.itis.usda.gov>



The Integrated Taxonomic Information System (ITIS)

- Lists the currently accepted name for the taxon
- Lists full taxonomic hierarchy

ITIS Standard Report Page: *Drosophila melanogaster*

 **ITIS Report**

[Home](#) [About Data](#) [Data Access](#) [Submit Data](#) [Tools](#) [Comment](#)

[Go to Print Version](#)

Results of: Search in every Kingdom for all containing '*Drosophila melanogaster*'

***Drosophila melanogaster* [Meigen, 1830](#)**
Taxonomic Serial No.: 146290

Taxonomy and Nomenclature

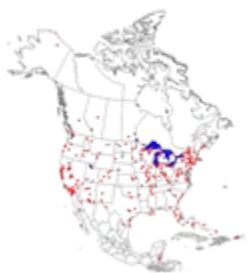
Kingdom:	Animalia
Taxonomic Rank:	Species
Synonym(s):	Drosophila ampelophila Loew, 1862
Common Name(s):	

[Taxonomic Status:](#)
Current Standing: valid

[Data Quality Indicators:](#)
Record Credibility Rating: unverified

Taxonomic Hierarchy

Kingdom	Animalia -- Animal, animals, animaux
Phylum	Arthropoda -- arthropodes, arthropods, Artrópode
Subphylum	Hexapoda -- hexapods
Class	Insecta -- hexapoda, insectes, insects, insecto
Subclass	Pterygota -- insects ailés



The Registry Form: Methods

- Enter methods used to collect data
- Add paragraphs as needed
- Describe the method of sampling and extent of the study

DATA COLLECTION METHODS (What's this?) Hide	
Method Title	<input type="text"/>
Method Description	<div><input type="text"/></div> <div>Add Paragraph to Method Description</div>
Extent of Study Description	<div><input type="text"/></div> <p>Describe the temporal, spatial and taxonomic extent of the study, supplementing the information on coverage provided above.</p> <p>For example, if the temporal coverage of the data is 1990-2000, you might provide details about any years that were missed or the months in which sampling occurred.</p>
Sampling Description	<div><input type="text"/></div> <p>Describe the sampling design of the study. For example, you might describe the way in which treatments were assigned to sampling units.</p>



The Registry Form: Data Set Contact

- Enter the information for the primary contact for the dataset
- Check the box at the top if the contact is the same person as the owner

DATA SET CONTACT [\(What's this?\)](#) [Hide](#)

☐ Use the same name and address as the **PRINCIPAL DATA SET OWNER** above.

*First Name

*Last Name

Organization Name

E-Mail

Phone

FAX

Street Information
(number, street, unit, etc.; comma-separated)

City

State ▼

Other State/Province

Postal Code

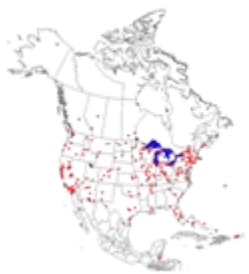
Country



The Registry Form: Distribution Information

DISTRIBUTION INFORMATION (What's this?)		Hide
Data Set Identifier	<input type="text"/>	
Note:	If available, please enter a name or number that uniquely identifies and describes concisely the data set. Alternatively, provide other pertinent information that can identify and locate the data set within your site's data management system.	
*Data Medium	<input type="radio"/> Digital <input type="radio"/> Hardcopy <input type="radio"/> Other <input type="text"/>	
*Usage Rights	<input type="radio"/> No restrictions <input type="radio"/> Obtain permission from data set owner(s)	
	<input type="radio"/> Other <input type="text"/>	
URL	<input type="text"/>	
Additional Information	<input type="text"/>	

- Enter the format of the stored data
- Describe usage restrictions of the dataset
- List a URL or identifier for the dataset, if available



Metadata Submission: Error Checking

- When you click “submit”, the form will be checked to ensure all required information is entered
- Any missing fields will be listed in a screen like this

OBFS Data Registry

Organization of Biological Field Stations Data Registry

[OBFS Home](#) [Registry Home](#) [Register a New Data Set](#) [Search for Data](#)

Failure

An error occurred. Please check the list of errors below:

- Longitude degrees are missing.
- Last name of data set contact is missing.
- Data medium is missing.

Click [here](#) to return to the form, fill in the required fields, and submit the data set description again.




Metadata Submission: Review

- Check to ensure that the metadata is all correct
- Click “submit” if correct
- Otherwise click “go back to editing”

OBFS Data Registry

Organization of Biological Field Stations

Data Registry



Please review the information that you entered in the OBFS Data Registry Form. If the information below is correct, provide your username, organization, and password at the bottom of this page, and submit the information. If you need to edit something, click on the edit button that is provided at the bottom of this page. You can print this page for your record.

BASIC INFORMATION

First Name: Will
Last Name: Tyburczy
Data Set Title: Sample Data Set
Station Name: (CA) Santa Cruz Island Reserve

PRINCIPAL DATA SET OWNER

First Name: Joe
Last Name: Smith
Organization Name:
E-Mail:
Phone:
FAX:
Street Information:
City:
State: Select state here.
Other State/Province:
Postal Code:
Country:



Metadata Submission: Login and Send

- Enter your KNB account username and password
- Remember to select OBFS for your organization

SIGN IN

NOTE: You must enter your username and password. This is for the protection of your metadata. The username and password will prevent any unauthorized person from modifying your metadata. If you do not have an account, click [here](#). If you don't remember your password, you can have it reset and e-mailed to you by clicking [here](#). If you want to change your password, click [here](#).

Username:

Organization:

Password:

Is the information above correct?

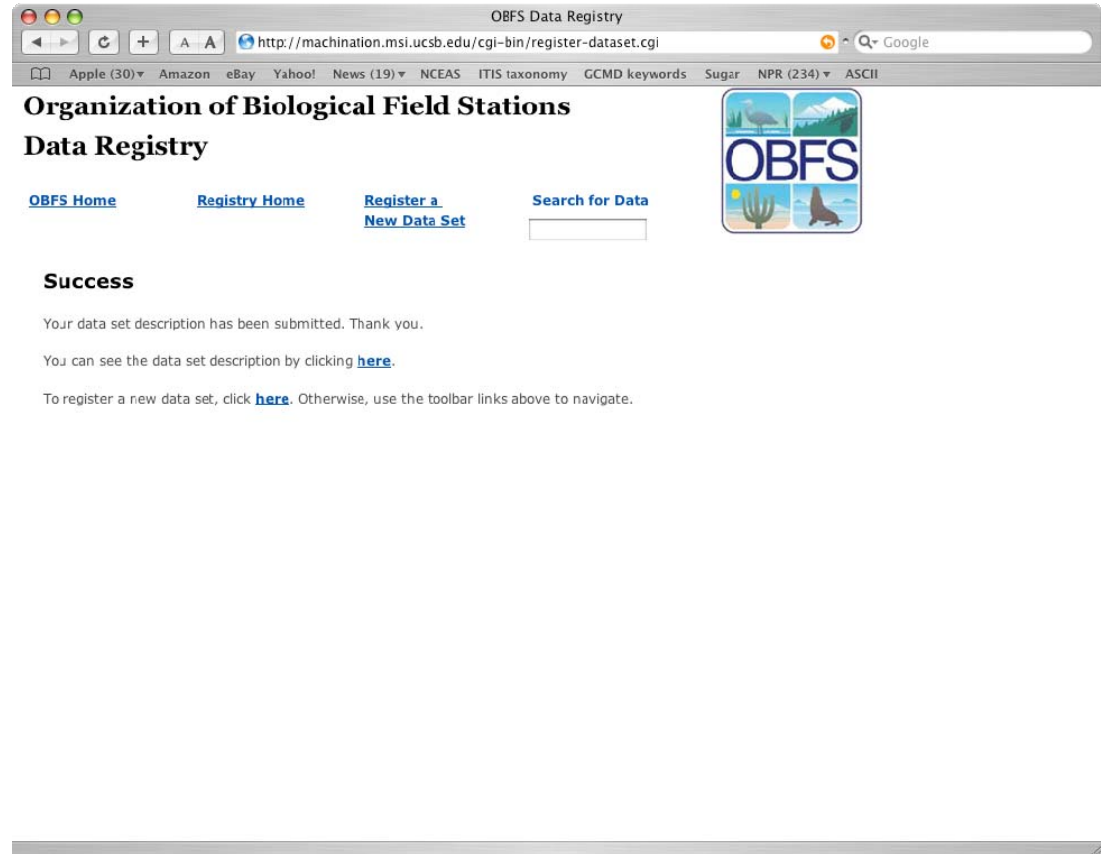
Yes, submit

No, go back to editing



Metadata Submission: Confirmation

- If the data entry is successful, you should see this screen
- Otherwise, a screen explaining what happened should appear





CONGRATULATIONS!!!





Help for Web Registry

- Guide for Completing the Data Registry Form
- KNB Metadata Coordinators (at NCEAS)
 - (805) 892-2160
 - Callie Bowdish
 - Veronique Connolly
 - Will Tyburczy
- knb-help@nceas.ucsb.edu