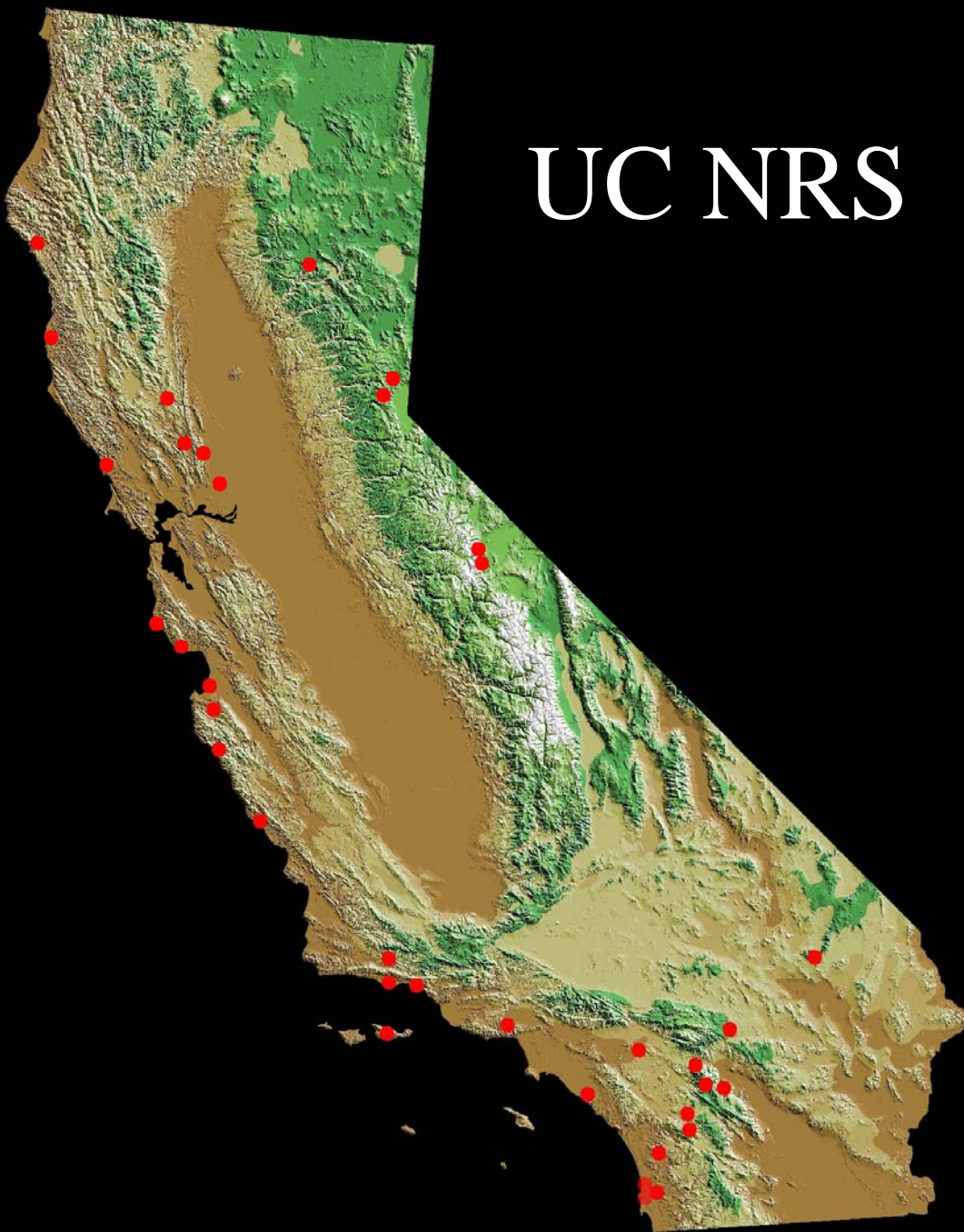


# UC NRS



36 Reserves

1 Full-Time Data  
Manager

23 Reserve  
Directors  
(most Ph.D.)

135, 000 acres

12 Ecological Zones

# UC NRS Information Management



University of California Natural Reserve System


[NRS System-Wide Home](#)

## [RAMS](#)

[Reserve Application Management System](#)

## ONLINE APPLICATIONS

Some Reserves have the ability to accept Online Application Submission through their websites. If the reserve is part of this system it will be listed in the pulldown below. Reserves using the Online Application System prefer that applications be submitted in this format. By selecting a reserve from the pulldown below you will be taken to that reserve's online application web-site. ([www.ucnrs.net](http://www.ucnrs.net))

ONLINE APPLICATION UCNRS RESERVE LIST 

Other Reserves not using the online application system can be found at the following link.

[UCOP Word or PDF Applications](#)

[RAMS Administrative Area](#) - *access for reserve managers only.*

## [System-Wide Bibliographic Database](#)

Search the Bibliography [Bibliographic Database Search](#)

Add a New Reference [New Bibliographic Entry](#)

Download individual reserve [bibliography files](#) in various formats.


## NRS [Data Registry](#) (Data Catalog)

[Register a new dataset](#) (form-based entry of information about the dataset).

[Register a new dataset using your past application's data](#). (search the NRS application database)


Please contact [infomgr@ucnrs.org](mailto:infomgr@ucnrs.org) when you are ready to enter catalog entries or have any question.


[Guide to the Meta Data Catalog System.](#)


Download the UCNRS Filemaker metadata database template >  <


Search the Data Registry


Habitat 

Taxonomy 

Ecology 

Evolution 

Measurements 

Level of Organization 

# UC NRS Ecological Metadata

**Database Design, Implementation: Morpho**

*Full Data Entry*

**Reduced (lite) Data Entry:**

**Online-** Web Form NRS

**Offline-** FileMaker Pro

**Sneaky-** Field Station User Registration

**Institutional-** ESA, OBFS      NSF?

NRS has provided 433 of the 925 data sets in Morpho

# UC NRS Ecological Metadata

**Database Design, Implementation: Morpho  
Full Data Entry**

**Reduced (lite) Data Entry:**

**Online-** Web Form (various sources)

**Offline-** FileMaker Pro

**Sneaky-** Field Station User Registration

**Institutional-** ESA NSF OBFS

# UC Natural Reserve System Data Registry

[NRS Home](#)[Registry Home](#)[Register New  
Dataset](#)[Search for Data](#)

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

Please have a look at the [Guide on How to Complete Data Registry Entries](#) before you start filling in this catalog form. Also, use your Reload/Refresh function to make sure you see the latest version of this page.

Fields in **red** are required.

If you have any questions, comments or problems regarding this form, please contact Kevin Browne at [nrsadmin@nceas.ucsb.edu](mailto:nrsadmin@nceas.ucsb.edu).

## Web Form (1)

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

Name of Person completing this form

**First Name**

**Last Name**

**Reserve Name**

**Data Set Title**

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

**First Name**

**Last Name**

**Organization Name**

**E-Mail**

**Phone**

**FAX**

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

<input type="text"/>	City
<input type="text" value="Select state here."/>	State
<input type="text"/>	Other State or Province
<input type="text"/>	ZIP
<input type="text"/>	Country

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

First Name	Last Name	Role
<input type="text"/>	<input type="text"/>	<input type="text" value="Principal Investigator"/>
<input type="button" value="Add Associated Party"/>		

Web Form (2)

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

### Data Set Abstract

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

(for example keywords, have a look at the keyword thesaurus for the [NASA Global Change Master Directory \(GCMD\)](#))

Keyword	Keyword Type	Keyword Thesaurus
<input type="text"/>	<input type="text" value="none"/>	<input type="text" value="none"/>
<input type="button" value="Add Keyword"/>		

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

(for example keywords, have a look at the keyword thesaurus for the [NASA Global Change Master Directory \(GCMD\)](#))

Keyword	Keyword Type	Keyword Thesaurus
<input type="text"/>	<input type="text" value="none"/>	<input type="text" value="none"/>
<input type="button" value="Add Keyword"/>		

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

**Beginning Date of Data Set:**

<input type="text"/>	<b>Year (YYYY)</b>	<input type="text" value="00"/>	<b>Month (MM)</b>	<input type="text" value="00"/>	<b>Day (DD)</b>
----------------------	--------------------	---------------------------------	-------------------	---------------------------------	-----------------

**Ending Date of Data Set (provide no ending date at all if your data set is open-ended):**

<input type="text"/>	<b>Year (YYYY)</b>	<input type="text" value="00"/>	<b>Month (MM)</b>	<input type="text" value="00"/>	<b>Day (DD)</b>
----------------------	--------------------	---------------------------------	-------------------	---------------------------------	-----------------

Web Form (3)

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

### Geographic Description

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

### Coordinates (in Degrees, Minutes and Seconds; at least 1 lat./long. pair is required):

Enter the first lat./long. pair only to indicate a point location. Enter both coordinate pairs to indicate a bounding box. In case of a bounding box, the first coordinate pair is the northwest corner and the second coordinate pair is the southeast corner of the bounding box.

☐ Use reserve coordinates. (This indicates that the data were collected at the reserve. If you check this box, you don't need to fill in the lat./long. fields below).

**Latitude**

North/South

**Longitude**

West/East

The second lat./long. pair, if provided, indicates the southeast corner of a bounding box.

Latitude

North/South

Longitude

West/East

**TAXONOMIC COVERAGE OF DATA** ([What's this?](#))**List the taxa associated with this set of data.**

The Taxon Rank should indicate the level in the taxonomic hierarchy (e.g., Phylum or Species) and the Taxonomic Name should be the scientific name for the organism at that level (e.g., *Ursus arctos*).

**Taxon Rank****Taxon Name****Taxonomic Authority**

List the source(s) used for identifying and naming taxa in this list. These sources should provide comprehensive information about the taxonomic concepts indicated by the names listed.

**METHODS** ([What's this?](#))**Data Collection Methods****Title of Method****Method Description**

# Web Form (4)



### Description of Study Extent

Describe the temporal, spatial and taxonomic extent of the study, supplementing the information on coverage provided above. 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.

### Sampling Description

Describe the sampling design of the study. For example, you might describe the way in which treatments were assigned to sampling units.

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

☐ Use the same name and address as the PRINCIPAL DATA SET OWNER above (If you check this box, you don't need to fill in the address fields below).

<input type="text"/>	<b>First Name</b>
<input type="text"/>	<b>Last Name</b>
<input type="text"/>	<b>Organization Name</b>
<input type="text"/>	<b>E-Mail</b>
<input type="text"/>	<b>Phone</b>
<input type="text"/>	<b>FAX</b>

**Street information (number, street, unit, etc., comma-separated)**

<input type="text"/>	<b>City</b>		
<input type="text"/>	<b>State</b>	<input type="text"/>	<b>Other State or Province</b>
<input type="text"/>	<b>ZIP</b>		
<input type="text"/>	<b>Country</b>		

# Web Form (5)

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

Dataset Name or Identifier (important) [\(What's this?\)](#)

### Data Medium:

If you selected "other" for Data Medium, enter detail below

### Use Constraints:

If you selected "other" for Use Constraints, enter detail below.

URL (for location of data set or of more metadata)

Additional Information [\(What's this?\)](#)

Web Form (6)

**NOTE:** You must submit your data in order for these to be entered in the Data Registry!

# UC NRS Ecological Metadata

**Database Design, Implementation: Morpho  
Full Data Entry**

**Reduced (lite) Data Entry:**

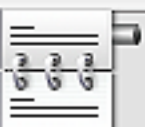
**Online-** Web Form

**Offline-** FileMaker Pro (Hire Students?)

**Sneaky-** Field Station User Registration

**Institutional-** ESA NSF OBFS

Data Entry



## UCNRS Metadata Database University of California Natural Reserve System

Fields including a red asterisk (\*) are required.

12

Records:  
106

Unsorted

18

Data set title

Long Term Change in Maritime Chaparral Stands \*

2004-02-07

Date Submitted

Site Name

Hastings Natural History Reservation \*

Name of person entering info

Daniel

First name \*

Levitis

Last name \*

Morpho User Name

User name

mstromberg

Organization

UCNRS

Password

elymus

SUBMIT Data to  
KNB Website☒ Success 4/13/2004Use information to make updates  
after data has been submitted.

Data set originator

Eric

First name \*

Van Dyke

Last name \*

Originator's Role

Originator

Organization

Elkhorn Slough National Estuarine

Address

Department of Environmental Studies

Watsonville

City

95076

Zip

Country

California

State

Other State or Province

E-mail

vandyke@elkhornslough.org

Phone

(831) 728-5939

Fax

(831) 728-1056

Additional Originator

James

First name

Griffin

Last name

Additional Originator's Role

Originator



# Offline FMP (2)

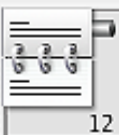
Data Entry	
12	
Records: 106	
Unsorted	

Additional Originator	James	Griffin
	First name	Last name
Additional Originator's Role	Originator	
Additional Originator		
	First name	Last name
Additional Originator's Role		

Temporal coverage	Month	Day	Year	
From:	01	01	1944	Beginning Date of Data Set *
To:	01	01	1991	Ending Date of Data Set
(provide no ending date if data set is open-ended):				
Enter the 4 digit year only				

Abstract *	Maritime chaparral stands on California's central coast are dominated by a number of endemic Arctostaphylos species and are the habitat for several other species of concern. Although chaparral is a fire-adapted vegetation type, maritime chaparral occurs in densely populated regions where fire suppression prevents most stands from burning. In 2000, we re-sampled vegetation at six locations in north Monterey County's Prunedale sandhills that were sampled in 1975-1976 by Griffin (1978); this allowed us to document changes in community composition, canopy cover, and seedling abundance over a 25-year interval after more than 70 years of fire exclusion. Although species richness in the tree and shrub layers
------------	--

Title for Method of Data Collecting	
Purpose data were collected	research
Way data were collected	none
Publications arising from data	Van Dyke Eric; Holl Karen D; Griffin James R. 2001. Maritime chaparral community transition in the absence of fire. [Article] Madrono. [print] 48(4). 221-229.

Records:  
106

Unsorted

## Title for Method of Data Collecting

Purpose data were collected research

Way data were collected none

Publications  
arising  
from data

Van Dyke Eric; Holl Karen D; Griffin James R. 2001. Maritime chaparral community transition in the absence of fire. [Article] Madrono. [print] 48(4). 221-229.

Keywords

Ecology; Environmental Biology/General; Methods,

Type

theme

Theme

none

Offline FMP (3)

## TAXONOMIC COVERAGE OF DATA

Ranking

Name



## Taxonomic Authority

List the source(s) used for identifying and naming taxa in this list

## SPATIAL COVERAGE \*

☒ Use Reserve Site's Coordinates If you check this box, you don't need to fill in the lat./long. fields below.

Latitude

Longitude

Point 1 ° ′ ″ ☐ N ☐ S

° ′ ″ ☐ W ☐ E

Degree Minutes Seconds Hemisphere

Degree Minutes Seconds Hemisphere

Point 2 ° ′ ″ ☐ N ☐ S

° ′ ″ ☐ W ☐ E

Degree Minutes Seconds Hemisphere

Degree Minutes Seconds Hemisphere

Geographic Description

Enter a general description of the geographic area in which the data were collected.

\* Prunedale sandhills

Study Extent Description

Supplementary Information - Describe the temporal, spatial and taxonomic extent of the study

none



**Geographic Description**

Enter a general description of the geographic area in which the data were collected.

\* Prunedale sandhills

**Study Extent Description**

Supplementary Information - Describe the temporal, spatial and taxonomic extent of the study

none

☐ **Use Originator's Address Information**

**Contact name** Mark Stromberg  
**First name \*** **Last name \***  
**Organization** Hastings Natural History Reservation  
**Address** 38601 E. Carmel Valley Rd.  
Carmel Valley 93924  
**City** **Zip** **Country**  
California  
**State** **Other State or Province**  
**E-mail** stromberg@hastingsreserve.org  
**Phone** 831 659-2664  
**Fax** 831 659-0148

Offline FMP (4)

**Dataset Name or Identifier** Change in fire suppressed chaparral**Data Medium (digital, paper, etc.)** hardcopy \*  
**Detail** raw data, field notes and maps**Quality of Data****Use constraints/Sensitivity** obtain permission from originator(s) \*  
**Detail****Data Set URL****Additional Comments**

```

    cfg nrs
    docid
    stage confirmed

```

```
dataCorrect    Yes, it is correct!!
taxaCount     1
```

FMSubmitDataToKNBURL

http://knb.econfor.matics.org/cgi-bin/register-dataset.cgi?cfg=nrs&docid=&stage=confirm&provider=GivenName=Daniel&providerSurName=Levitis&site=Hastings Natural History Reservation&identifier=Change in fire suppressed chaparral&title=Long Term Change in Maritime Chaparral Stands&origNamefirst0=Eric&origNameLast0=Van Dyke&origNameOrg=Elkhorn Slough National Estuarine Research Reserve&origRole0=Originator&origDelivery=Department of Environmental Studies&origCity=Watsonville&origState=California&origStateOther=&origZIP=95076&origCountry=&origPhone=(831) 728-5939&origFAX=(831) 728-1056&origEmail=vandyke@elkhornslough.org&useOrigAddress=&origNamefirstContact=Mark&origNameLastContact=Stromberg&origNameOrgContact=Hastings Natural History Reservation&origDeliveryContact=38601 E. Carmel Valley Rd.&origCityContact=Carmel Valley&origStateContact=California&origStateOtherContact=&origZIPContact=93924&origPhoneContact=831 659-2664&origFAXContact= 831 659-0148&origEmailContact=stromberg@hastingsreserve.org&origNamefirst1=James&origNameLast1=Griffin&origRole1=Originator&origNamefirst2=&origNameLast2=&origRole2=&abstract=Maritime chaparral stands on California's central coast are dominated by a number of endemic *Arctostaphylos* species and are the habitat for several other species of concern. Although chaparral is a fire-adapted vegetation type, maritime chaparral occurs in densely populated regions where fire suppression prevents most stands from burning. In 2000, we re-sampled vegetation at six locations in north Monterey County's Prunedale sandhills that were sampled in 1975-1976 by Griffin (1978); this allowed us to document changes in community composition, canopy cover, and seedling abundance over a 25-year interval after more than 70 years of fire exclusion. Although species richness in the tree and shrub layers changed little between 1975-1976 and 2000, combined tree and shrub cover increased from 86 to 99%. Cover of *Arctostaphylos pajaroensis* J. Adams increased from 58 to 82%. Cover of *Quercus agrifolia* Nee and *Heteromeles arbutifolia* (Lindley) Roemer also increased significantly, whereas percent cover for most shrub species decreased, often dramatically. Species richness in the herb layer was markedly lower in the 2000 survey. Seedlings were rare under the dense canopy, although seedling abundance for *Q. agrifolia* and *Mimulus aurantiacus* Curtis increased. These results suggest that the long absence of fire in maritime chaparral stands may lead to dominance by one or two species and a gradual transition from chaparral to oak woodland. Land managers should consider the reintroduction of wildfire, or practices that mimic the effects of fire, to assure the long-term survival of maritime chaparral vegetation communities.&keyword0=Ecology; Environmental Biology/General; Methods, Ecology; Environmental Biology/Plant, Plantae-Unspecified, Ericaceae, Fagaceae, Scrophulariaceae, Biodiversity; Terrestrial Ecology (Ecology, Environmental Sciences) Ericaceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Fagaceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Plantae; Scrophulariaceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae *Arctostaphylos pajaroensis* (Ericaceae); *Arctostaphylos* spp. (Ericaceae): endemic; *Heteromeles arbutifolia* (Plantae); *Mimulus aurantiacus* (Scrophulariaceae); *Quercus agrifolia* (Fagaceae), Angiosperms; Dicots; Plants; Spermatophytes; Vascular Plants, canopy cover; community composition; fire absence; fire suppression; fire-adapted vegetation type; land management; maritime chaparral community transition; seedling abundance; species richness&kwType0=theme&kwTh0=none&keyword1=&kwType1=&kwTh1=&keyword2=&kwType2=&kwTh2=&kwType3=&kwTh3=&keyword4=&kwType4=&kwTh4=&keyword5=&kwType5=&kwTh5=&keyword6=&kwType6=&kwTh6=&keyword7=&kwType7=&kwTh7=&keyword8=&kwType8=&kwTh8=&keyword9=&kwType9=&kwTh9=&keyword10=&kwType10=&kwTh10=&keyword11=&kwType11=&kwTh11=&keyword12=&kwType12=&kwTh12=&keyword13=&kwType13=&kwTh13=&keyword14=&kwType14=&kwTh14=&keyword15=&kwType15=&kwTh15=&keyword16=&kwType16=&kwTh16=&keyword17=&kwType17=&kwTh17=&keyword18=&kwType18=&kwTh18=&keyword19=&kwType19=&kwTh19=&keyword20=&kwType20=&kwTh20=&keyword21=&kwType21=&kwTh21=&keyword22=&kwType22=&kwTh22=&keyword23=&kwType23=&kwTh23=&keyword24=&kwType24=&kwTh24=&keyword25=&kwType25=&kwTh25=&keyword26=&kwType26=&kwTh26=&keyword27=&kwType27=&kwTh27=&keyword28=&kwType28=&kwTh28=&keyword29=&kwType29=&kwTh29=&keyword30=&kwType30=&kwTh30=&keyword31=&kwType31=&kwTh31=&keyword32=&kwType32=&kwTh32=&keyword33=&kwType33=&kwTh33=&keyword34=&kwType34=&kwTh34=&keyword35=&kwType35=&kwTh35=&keyword36=&kwType36=&kwTh36=&keyword37=&kwType37=&kwTh37=&keyword38=&kwType38=&kwTh38=&keyword39=&kwType39=&kwTh39=&keyword40=&kwType40=&kwTh40=&keyword41=&kwType41=&kwTh41=&keyword42=&kwType42=&kwTh42=&keyword43=&kwType43=&kwTh43=&keyword44=&kwType44=&kwTh44=&keyword45=&kwType45=&kwTh45=&keyword46=&kwType46=&kwTh46=&keyword47=&kwType47=&kwTh47=&keyword48=&kwType48=&kwTh48=&keyword49=&kwType49=&kwTh49=&keyword50=&kwType50=&kwTh50=&keyword51=&kwType51=&kwTh51=&keyword52=&kwType52=&kwTh52=&keyword53=&kwType53=&kwTh53=&keyword54=&kwType54=&kwTh54=&keyword55=&kwType55=&kwTh55=&keyword56=&kwType56=&kwTh56=&keyword57=&kwType57=&kwTh57=&keyword58=&kwType58=&kwTh58=&keyword59=&kwType59=&kwTh59=&keyword60=&kwType60=&kwTh60=&keyword61=&kwType61=&kwTh61=&keyword62=&kwType62=&kwTh62=&keyword63=&kwType63=&kwTh63=&keyword64=&kwType64=&kwTh64=&keyword65=&kwType65=&kwTh65=&keyword66=&kwType66=&kwTh66=&keyword67=&kwType67=&kwTh67=&keyword68=&kwType68=&kwTh68=&keyword69=&kwType69=&kwTh69=&keyword70=&kwType70=&kwTh70=&keyword71=&kwType71=&kwTh71=&keyword72=&kwType72=&kwTh72=&keyword73=&kwType73=&kwTh73=&keyword74=&kwType74=&kwTh74=&keyword75=&kwType75=&kwTh75=&keyword76=&kwType76=&kwTh76=&keyword77=&kwType77=&kwTh77=&keyword78=&kwType78=&kwTh78=&keyword79=&kwType79=&kwTh79=&keyword80=&kwType80=&kwTh80=&keyword81=&kwType81=&kwTh81=&keyword82=&kwType82=&kwTh82=&keyword83=&kwType83=&kwTh83=&keyword84=&kwType84=&kwTh84=&keyword85=&kwType85=&kwTh85=&keyword86=&kwType86=&kwTh86=&keyword87=&kwType87=&kwTh87=&keyword88=&kwType88=&kwTh88=&keyword89=&kwType89=&kwTh89=&keyword90=&kwType90=&kwTh90=&keyword91=&kwType91=&kwTh91=&keyword92=&kwType92=&kwTh92=&keyword93=&kwType93=&kwTh93=&keyword94=&kwType94=&kwTh94=&keyword95=&kwType95=&kwTh95=&keyword96=&kwType96=&kwTh96=&keyword97=&kwType97=&kwTh97=&keyword98=&kwType98=&kwTh98=&keyword99=&kwType99=&kwTh99=&keyword100=&kwType100=&kwTh100=&keyword101=&kwType101=&kwTh101=&keyword102=&kwType102=&kwTh102=&keyword103=&kwType103=&kwTh103=&keyword104=&kwType104=&kwTh104=&keyword105=&kwType105=&kwTh105=&keyword106=&kwType106=&kwTh106=&keyword107=&kwType107=&kwTh107=&keyword108=&kwType108=&kwTh108=&keyword109=&kwType109=&kwTh109=&keyword110=&kwType110=&kwTh110=&keyword111=&kwType111=&kwTh111=&keyword112=&kwType112=&kwTh112=&keyword113=&kwType113=&kwTh113=&keyword114=&kwType114=&kwTh114=&keyword115=&kwType115=&kwTh115=&keyword116=&kwType116=&kwTh116=&keyword117=&kwType117=&kwTh117=&keyword118=&kwType118=&kwTh118=&keyword119=&kwType119=&kwTh119=&keyword120=&kwType120=&kwTh120=&keyword121=&kwType121=&kwTh121=&keyword122=&kwType122=&kwTh122=&keyword123=&kwType123=&kwTh123=&keyword124=&kwType124=&kwTh124=&keyword125=&kwType125=&kwTh125=&keyword126=&kwType126=&kwTh126=&keyword127=&kwType127=&kwTh127=&keyword128=&kwType128=&kwTh128=&keyword129=&kwType129=&kwTh129=&keyword130=&kwType130=&kwTh130=&keyword131=&kwType131=&kwTh131=&keyword132=&kwType132=&kwTh132=&keyword133=&kwType133=&kwTh133=&keyword134=&kwType134=&kwTh134=&keyword135=&kwType135=&kwTh135=&keyword136=&kwType136=&kwTh136=&keyword137=&kwType137=&kwTh137=&keyword138=&kwType138=&kwTh138=&keyword139=&kwType139=&kwTh139=&keyword140=&kwType140=&kwTh140=&keyword141=&kwType141=&kwTh141=&keyword142=&kwType142=&kwTh142=&keyword143=&kwType143=&kwTh143=&keyword144=&kwType144=&kw

## Offline FMP (5)





14

Records:

106

Unsorted

**abstract** Jim Griffin's notes and data for a plant**addComments** Raw data are on paper at Hastings Reserve**beginningDay** 01**beginningMonth** 01**beginningYear** 1979**cfg** nrs**dataCorrect** Yes, it is correct!!**dataMedium** hardcopy**dataMediumOther** charts, maps, tables, few notes**docid****endingDay** 01**endingMonth** 01**endingYear** 1982**FMDataQuality** disorganized but salvageable**FMDateSubmitted** 2004-02-07**FMPublications****FMPublicPermissions****FMRecordINDEX** 20**FMSearchAll** 20**geogdesc** Bell Ranch- Poison Oak Hill**hemisphLat1****hemisphLat2****hemisphLong1****hemisphLong2****identifier** SD1**keyword0** Quercus douglasii. diversity. richness.**keyword1****keyword2****keyword3****kwTh0** none**kwTh1****kwTh2****kwTh3****kwType0** theme**kwType1****kwType2****kwType3**

Offline FMP (6)

# UC NRS Ecological Metadata

**Database Design, Implementation: Morpho  
Full Data Entry**

**Reduced (lite) Data Entry:**

**Online-** Web Form

**Offline-** FileMaker Pro

**Sneaky-** Field Station User Registration  
(users, required)

**Institutional-** ESA NSF OBFS

## Reservations and Applications

# Register (1)

### 1. Select a form to use as your application.

**IF YOU ARE UNSURE WHICH TYPE TO SELECT, PLEASE CONTACT THE RESERVE DIRECTOR TO DETERMINE WHAT TYPE OF APPLICATION YOU NEED.**

#### NEW USE APPLICATION

<input type="radio"/>	<b>Class Use Form</b>	Use this form to apply for class use at Hastings Reserve . A class is defined as a university level course (with an official course number). If available to the user, check the reservations calendar for availability before you submit your form.
<input type="radio"/>	<b>Research Use Form</b>	Use this form to apply for research use at Hastings Reserve. Research can be conducted by any high school student under teacher supervision, undergraduate, graduate student, faculty, or professional scientist. We recommend that you consult with Hastings Reserve staff before submitting your application.
<input type="radio"/>	<b>Public Use Form</b>	Use this form to apply for public use at Hastings Reserve. Public use includes any K-12 activity, nonprofit organization or business event or training, workshops or small symposium, community and public affairs events including tours, university organization meetings or academic department retreats that do not have an official course number. If available to the user, check the reservations calendar for availability before you submit your form.

#### CURRENTLY OPEN APPLICATION

<b>Add New Activity to Currently Open Application</b>		
<input type="radio"/>	<b>Currently Open APPLICATION</b>	Use this form to append an activity to a current application previously approved for use at Hastings Reserve. For example a repeat visit, a new field assistant visit, adding a new grad student visit, etc.

#### UPDATE APPLICATION

<b>Update a Previously Submitted Application</b>		
<input type="radio"/>	<b>Update Existing APPLICATION</b>	Use this form to change the information in an existing application or activity already in the RAMS database. If you are not the creator of that application you will need the application's password.

### 2. User Login

If you are already in our database from a previous visit please provide your name.

If this is your first visit to the UC Natural Reserve System please provide your name and any password you wish to use.

For information security reasons we need the password you created for yourself.

<b>First</b>	<b>Middle Initial</b>	<b>Last</b>	<b>NEXT-&gt;</b>
<input type="text"/>			
<b>Password</b>			
<input type="password"/>			
<p>Please use alphanumeric characters only without spaces.  <i>If you are a NEW USER</i>  just enter any password you wish to use.  <i>If you have FORGOTTEN your password</i>  you will be given an opportunity to retrieve it  through your e-mail address after pressing the NEXT button.  If you are a repeat visitor place your name here.  If you are the Primary Investigator and submitting an activity for one of your assistants /  students please enter that name here instead of the PI's name (you will need to know your  assistants / students contact information).</p>			

Application Selection — User Database — Application — Activity — Waivers

Your name is not in our database of users so please fill in your information before you enter your new activity .

First	Middle Initial	Last
John	D	Dowe
<i>No Punctuation</i>		

<b>Title:</b>	Test Images for SEEK
<b>Institution:</b> <i>(Do Not Abbreviate)</i>	University of California Berkeley * University of California Berkeley
<b>Department:</b> <i>(Do Not Abbreviate)</i>	Integrative Biology
<b>Advisor / Supervisor:</b> <i>Principal Investigator</i>	
<b>Street Address:</b>	3101 Valley Life Science Building *
<b>City:</b>	Berkeley *
<b>State:</b>	California *
<b>Zip:</b>	93924 *
<b>Country:</b>	USA
<b>Phone:</b>	510 642-7289 *
<b>Fax:</b>	
<b>Email:</b>	dowe@berkeley.edu *
<b>Assistants</b> <i>(Please list the names of people you commonly work with while on a reserve or station.)</i>	Frank Dowe Jean Dowe

\* Required

TYPE	ORIGIN *
<input checked="" type="checkbox"/> Primary User	<input type="radio"/> Reserve's Institution - University of California Berkley
<input type="checkbox"/> Assistant	<input checked="" type="radio"/> University of California Campus
<input type="checkbox"/> Guest	<input type="radio"/> California State University Campus
	<input type="radio"/> California Community College
	<input type="radio"/> Other California Campus
	<input type="radio"/> Out of State College or University
	<input type="radio"/> International
	<input type="radio"/> Public Service (K-12, Non-Profit Organization, Government, Bussiness)

# Register (2)

**TYPE**

- ☒ Primary User    ☐ Reserve's Institution - University of California Berkley
- ☐ Assistant    ☒ University of California Campus
- ☐ Guest    ☐ California State University Campus
- ☐ California Community College
- ☐ Other California Campus
- ☐ Out of State College or University
- ☐ International
- ☐ Public Service (K-12, Non-Profit Organization, Government, Bussiness)

# Register (3)

**CLASSIFICATION \***

- ☒ Research Faculty
- ☐ Research Scientist
- ☐ Research Assistant
- ☐ Graduate Student Researcher
- ☐ Undergraduate Student Researcher
- ☐ University Class Instructor
- ☐ University Class Student
- ☐ K-12 Instructor
- ☐ K-12 Student
- ☐ Government (Fed/State/Local)
- ☐ Non-Gov. Org. / Non-Profit Org.
- ☐ For-Profit Business
- ☐ Volunteers
- ☐ Others

**PASSWORD:**

....

\*

Please use alpha-numeric characters only without spaces or punctuation.

Reset

NEXT-&gt;

**NRS**N A T U R A L  
R E S E R V E  
S Y S T E MUniversity of California Berkley  
Research Use Application**Hastings Reserve**

Please call or consult online reserve calendar (if available) in advance to check for availability, then fill out one application per project.

Please submit completed application via this form

\* Fields followed by a red asterisk require data to be entered in that field.

**Register (4)**

APPLICATION

\*

PROJECT TITLE:

*Enter a unique name that can be used to identify Your Application.*

Application Password

\*

*Your password allows you to Update the application as well as Add future Activities to this application.***APPLICANT INFORMATION:**

APPLICANT: John D Dowe

APPLICANT'S TITLE OR

ACADEMIC STATUS: Test Images for SEEK

ADVISOR (If applicable):

INSTITUTION University of California Berkeley

DEPARTMENT Integrative Biology

OFFICE ADDRESS: 3101 Valley Life Science Building

CITY: Berkeley

STATE: California

ZIP: 93924

COUNTRY: USA

OFFICE ADDRESS: 5101 Valley Life Science Building

CITY: Berkeley

STATE: California

ZIP: 93924

COUNTRY: USA

OFFICE PHONE: 510 642-7289

OFFICE FAX:

E-MAIL: dowe@berkeley.edu

### PROJECT DESCRIPTION

The information you provide here is important to our reserve manager. Please be as complete as possible.

#### PRINCIPAL INVESTIGATORS:

#### PRINCIPAL INVESTIGATOR AFFILIATION (Company or Institution & Department)

Test Images for SEEK John Dowe

University of California Berkeley – Integrative  
Biology

Register (5)

#### FULL PROJECT or THESIS TITLE

(Do not truncate):

*If no formal title yet please provide a short description.*

A exposition of the RAMS for demonstration \*

**ABSTRACT:** Please provide a short "Technical" description of your research.

*(please limit this to one or two paragraphs)*

We will live trap 35 small mammals, on the Madrone Grid, and collect blood  
and ear tip tissue. Etc. etc. |

**ABSTRACT:** Please provide a short "Technical" description of your research.

(please limit this to one or two paragraphs)

We will live trap 35 small mammals, on the Madrone Grid, and collect blood and ear tip tissue. Etc. etc.

**PROJECT DURATION DATES** (Month/Year):

**Start:** July 2005

**End:** July 2006

**IF FOR DEGREE:** ☐ B.A. ☐ B.S. ☐ M.A. ☐ M.S. ☐ Ph.D.

**Advisor's Name:**

**CONTRACT/GRANT INFORMATION:** (Please check all that apply to your project)

☐ PROJECT IS SELF-FUNDED

☒ PROJECT IS CURRENTLY BEING SUPPORTED BY A CONTRACT(S) OR GRANT(S)

☐ A CONTRACT(S) OR GRANTS(S) APPLICATION HAS BEEN SUBMITTED BUT HAS NOT YET BEEN APPROVED

☐ A CONTRACT(S) OR GRANT(S) APPLICATION WILL BE SUBMITTED IN THE FUTURE

If this project is currently being supported by a contract(s) or grant(s), please complete the following for the award received. If you receive funding for your project in the future, please update the reserve director.

Register (6)

### Support Source Information

SPONSOR (Do not abbreviate):	USDA Forest Service	
AWARD AMOUNT:	5,500	
DATE AWARD GRANTED:	12/1/04	(mm/dd/yyyy)
PROJECT DURATION DATES (Month/year to month/year):	Start Date: 5/05	End Date: 7/06
GRANT NUMBER:	USDA 56-40005	
FULL PROJECT TITLE (Do not truncate):	Small Mammal Example Application	

SPONSOR (Do not abbreviate):	
AWARD AMOUNT:	



## PERMIT REQUIREMENTS

Please read and answer the following items carefully. Instructors will not be allowed access to the reserve until they obtain the appropriate permit(s), or the reserve has been informed by the agency(ies) involved that no permits are required for the project described in this application. It is the user's responsibility to obtain the appropriate permit(s) and to provide the reserve director with a copy. Please discuss permit requirements with the reserve director.

### INTRODUCTION OF NON-NATIVE GENOTYPES

Does your project involve the transfer of animals, plants, and/or microorganisms from outside the reserve to within the reserve, or between different parts of the reserve? ☐ Yes ☒ No

A) Does your project involve vertebrate animals? ☐ Yes ☒ No

If "Yes," - Indicate all that apply: ☐ Reptile ☐ Amphibian ☐ Fish ☐ Bird ☐ Mammal

- Will any animal be captured? ☐ Yes ☒ No
- Will any animal be held longer than 12 hours? ☐ Yes ☒ No
- Will any animal be held longer than 24 hours? ☐ Yes ☒ No
- Will any birds be banded and/or color marked? ☐ Yes ☒ No
- Will any animal's skin be broken (needles, tags, surgery, etc.)? ☐ Yes ☒ No
- Will any animal's movement in the environment be restricted? ☐ Yes ☒ No
- Is there potential for any animal's behavior to be altered? ☐ Yes ☒ No
- If this is a renewal, has there been any change in the project? ☐ Yes ☒ No ☐ NA

Prior to beginning a research project involving the use of vertebrate animals, you must receive approval from the animal care committee at your home institution. (This is often the same committee that oversees the care of laboratory animals.) Please have written approval with you when you arrive or FAX them to the reserve.

### B) PERMITS & OTHER QUESTIONS

Register (7)

## B) PERMITS & OTHER QUESTIONS

- Does your project involve the collecting (including banding and/or color marking) of vertebrate wild animals, marine plants, or invertebrates?	<input type="radio"/> YES <input checked="" type="radio"/> NO	If "Yes," you will need to obtain a scientific collecting permit from the California Department of Fish and Game. Please have written approval with you when you arrive or FAX them to the reserve.
- Does your project involve the collection, banding, and/or color marking of birds?	<input type="radio"/> YES <input checked="" type="radio"/> NO	If "Yes," you will need a federal permit from the US Fish and Wildlife Service. Please have written approval with you when you arrive or FAX them to the reserve.
- Does your project involve working with plants or animals that are California state listed species of special concern, threatened, or endangered species?	<input type="radio"/> YES <input checked="" type="radio"/> NO	If "Yes," you will need to obtain a memorandum of understanding (MOU) from the California Department of Fish and Game. Please have written approval with you when you arrive or FAX them to the reserve.
- Does your project involve working with plants or animals that are Federally listed threatened or endangered species?	<input type="radio"/> YES <input checked="" type="radio"/> NO	If "Yes," you need to obtain a federal permit from the US Fish and Wildlife Service. Please have written approval with you when you arrive or FAX them to the reserve.
PERMITS CAN TAKE AT LEAST 30 DAYS TO BE APPROVED, SO CALL IMMEDIATELY FOR AN APPLICATION.		

## RESERVE POLICIES

-If the Research use application is approved, the user must comply with all applicable University regulations, including those that are reserve-specific, and provide all required state and federal permits. All users, unless exempted, must sign a waiver agreement before they will be allowed on the reserve. It is the responsibility of the group leader to see that each member of the group has signed a waiver agreement **BEFORE** visiting the reserve. A parent or guardian must sign a minor waiver agreement for visitors under 18 years old.

-All publications resulting from the use of any reserve must acknowledge the reserve's institution ( University of California Berkley ) and the reserve at which the research was conducted. Please submit two copies of all publications (only one bound copy of a thesis or dissertation is required) to the reserve director.

-Domestic animals are not permitted at any reserve, unless they are part of an approved research project or are necessary to help a disabled user. Please notify the reserve director if you have a special need.

-Firearms are forbidden at all reserves.

-All users are requested to leave the land and any facilities cleaner than you found them.

# Register (8)

Submit Application Form

# UC NRS Ecological Metadata

**Database Design, Implementation: Morpho**

*Full Data Entry*

**Reduced (lite) Data Entry:**

**Online-** Web Form NRS\*

**Offline-** FileMaker Pro

**Sneaky-** Field Station User Registration

**Institutional-** ESA\*, OBFS\* (voluntary)



# Organization of Biological Field Stations

## Organizational Activities

- [Join OBFS](#)
- [OBFS News/Jobs](#)
- [Annual Meetings](#)
- [Publications/Reports](#)
- [Bylaws](#)
- [Executive Board](#)
- [Operations Manual](#)
- [Photo Gallery](#)
- [Newsletters](#)
- [Forums](#)

## Directory

- [Stations](#)
- [People](#)

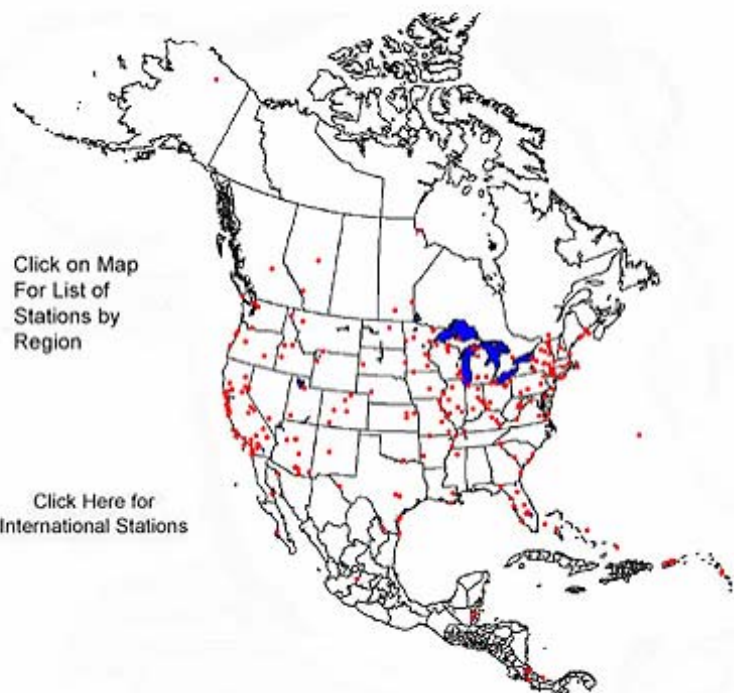
## Research

- [Metadata Catalog](#)
- [Methods Bibliography](#)
- [NSF Support- FSML](#)

## Education

- [Courses](#)
- [FIRST II](#)
- [NSF Education Report](#)

## Welcome to the OBFS Web Site



Click on Map  
For List of  
Stations by  
Region

Click Here for  
International Stations

**Mission Statement:** The mission of the Organization of Biological Field Stations is to advance understanding of the changing natural world through field-based science and education.

**Description:** OBFS includes about 200 member stations from North America, as well as about 100 individuals who are associated with field stations. Each field station is associated with some tract of land that is dedicated to research and teaching in the natural world. OBFS stations vary from small stations with minimal facilities to large institutions that can house hundreds of students, with advanced laboratory, library and support facilities.

[View Larger Image](#)

## Breaking News, Announcements and Job Postings

### **LTER Planning Meeting Includes OBFS**

OBFS Invited to LTER Planning Meetings

News

## Login

Username

Mark Stromberg

Password

\*\*\*\*\*

☐ Remember me

Login

[Log in Problems?](#)  
[New User? Sign Up!](#)

## OBFS Events

<< February 2005 >>

	S	M	T	W	T	F	S
>	30	31	01	02	03	04	05
>	06	07	08	09	10	11	12
>	13	14	15	16	17	18	19
>	20	21	22	23	24	25	26
>	27	28	01	02	03	04	05

## Upcoming Events

No Events

## NEON News

[Subscribe to the NEON mailing list](#)

[NEON Leaders to Address the NCSE Conference](#)

[NEON Design Consortium Committee Reports Now Available for Comment and Review](#)

[Request for Community](#)



# Organization of Biological Field Stations Data Registry

[OBFS Home](#)[Registry Home](#)[Register New Dataset](#)[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 datasets 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.



## LONG-TERM STUDIES SECTION

[Section Officers](#)  
[Section Documents](#)  
[Section Forum](#)  
[Section Information](#)  
[Section Email List](#)  
[Subscribe](#)  
[Mail List Archive](#)  
[Old LTSS web site](#)

## REGISTRIES

[Registry of Ecological  
Data Sets](#)

neon

- [Subscribe to the NEON mailing list](#)
- [NEON Leaders to Address the NCSE Conference](#)
- [NEON Design Consortium Committee Reports Now Available for Comment and Review](#)
- [Request for Community Input](#)
- [NEON Design Consortium Members Selected](#)

[Read more](#)

## MAIN MENU

• [Home](#)

## Modules

- [FAQ](#)
- [Members List](#)
- [News](#)

## Long-Term Studies Section Of The Ecological Society Of America

Welcome to the web site for the Long-Term Studies Section of the Ecological Society of America. You are welcome to browse this site, but if you want to add content or participate in forums, you will need to sign up and receive a user name and password. Registered users can submit web links, submit news items and participate in forums, along with other yet-to-be added capabilities. Bookmark this page as <http://esa.org/longterm>.

### LTSS Email Listserv Established



An email listserv for section members and other interested parties has been created. Use the "Subscribe" link on this web site to add yourself to the list, or to manage your list membership if you are already on the list.

Published Oct 20, 2004 - 03:25 PM  
 comments?

### Ecological Data Registry



Allow others to discover ecological data sets that can help network our understanding of ecological processes. See link to left.

Published Oct 14, 2004 - 11:17 PM  
[Read more...](#) (691 bytes more) comments?

### Minutes From 2004 Meeting Available



The minutes from the 2004 annual meeting of the Long-Term Studies Section are available on the section web page in the "Section Documents" section. Additionally you can access them as HTML [HERE](#) or as PDF [HERE](#).

Published Aug 26, 2004 - 11:30 AM  
 comments?

### Web Site For Wireless Field Sensors

## Other Stories

- [LTSS Email Listserv Established](#) (Oct 20, 2004)
- [Ecological Data Registry](#) (Oct 14, 2004)
- [Minutes from 2004 Meeting Available](#) (Aug 26, 2004)
- [Web site for wireless field sensors](#) (Aug 20, 2004)
- [Continuing Education in LTSS](#) (Jun 10, 2004)
- [What's In a name?](#) (Feb 17, 2004)
- [Got Links?](#) (Feb 13, 2004)
- [Forums Open](#) (Feb 12, 2004)
- [Welcome](#) (Feb 06, 2004)

## Poll

**The most important activity for the Long-Term Studies Section is:**

- supporting Symposia at ESA meetings
- supporting Workshops at ESA meetings
- supporting student travel to ESA meetings
- provide online forums for members
- address science topics at annual meetings
- provide listings of long-term data and projects
- publish articles in the ESA Bulletin
- none of the above

[ [Results](#) | [Polls](#) ]



Welcome to the Long-term Studies Section Data Registry. This is a publically accessible registry describing [scientific data sets on ecology and the environment](#). In this context, we refer to a data set as the collection of data tables and objects that are associated with a study, experiment, or monitoring program. Exactly what constitutes a data set is determined by each submitter. Credit for the datasets in this registry goes to the investigators who collected the data -- see each individual registry entry for citation and attribution information as well as usage rights.

### [Registry Tools](#)

- [Search for Data](#)

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. Use a '%' symbol as a wildcard in searches (e.g., '%biodiversity%' would locate any phrase with the word biodiversity embedded within t).

- [Browse data sets](#)

Browse all existing data sets by title. This operation can be slow as the number of entries in the registry grows.

- [Register a new data set](#)

The registration page is used to submit information about a [new](#) data set regarding ecology or the environment. The documentation about the data set will be submitted to the Registry. You (and only you, or your designee) can return to edit the entry at a later point in time to add to or correct the description. You can also use other tools such as [Morpho](#) to further document the set of data and directly attach the data to the registry entry.

- [Create a new account](#)

- [Change your password](#)

# UC NRS Ecological Metadata

**Database Design, Implementation: Morpho  
Full Data Entry**

**Reduced (lite) Data Entry:**

**Online-** Web Form

**Offline-** FileMaker Pro

**Sneaky-** Field Station User Registration

**Institutional-** ESA OBFS

NSF? LTREB Program? (required?)