



# Simple Data Catalog

2018 April  
Environmental Data Initiative (EDI)





# Introduction

Five Phases of data publishing:

1. Organize data and metadata
2. Clean and format data tables
3. Create EML metadata
4. Upload data package to EDI repository
5. Cite and link



<https://environmentaldatainitiative.org/resources/five-phases-of-data-publishing/>

# Example

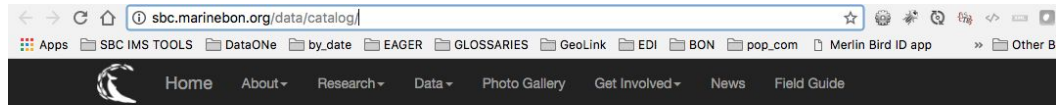
<http://sbc.marinebon.org/data/catalog/>

HTML has

- Text description, dataset titles
- Hyperlink to the dataset *in the EDI repository*

Good solution for groups that

- Have few datasets
- Don't need a custom display
- Don't have time to code



## SBC MBON Data Catalog

This catalog contains data from the Santa Barbara Channel Marine BON (SBC MBON) that are available through public repositories, with DOIs and revision control. Metadata can be browsed and data downloaded with the links below. Most of our datasets are ongoing time-series, and so code should access data through the repository API, so that it can be assured of using most recent revision of any dataset. For information on accessing via repository APIs, contact [SBC MBON](#).

For an overview of SBC MBON's data management and packaging practices see [SBC MBON Data Management Overview](#).

## Datasets in public repositories

### Kelp forest/Reef

Abundance measurements of kelp forest species through 2016, integrated from four sources: Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO), Santa Barbara Coastal LTER (SBC-LTER), Channel Islands National Park (KFM) and San Nicolas Island monitoring program (SNI). The integrated fish dataset includes ancillary sampling locations and integration code (R) to produce input for time-series plots by taxa and site.	Santa Barbara Channel Marine BON: Integrated kelp forest/reef: Fish	<a href="#">dataset in repository</a>
	Santa Barbara Channel Marine BON: Integrated kelp forest/reef: Quad and swath cover	<a href="#">dataset in repository</a>
	Santa Barbara Channel Marine BON: Integrated kelp forest/reef: Benthic cover	<a href="#">dataset in repository</a>
	Santa Barbara Channel Marine BON: species list for the four integrated datasets shown above (joined by taxon_id)	<a href="#">dataset in repository</a>

### Biological surveys from deep reefs and oil/gas platforms (Love lab)

Long-term biological surveys on fish and invertebrate from deep natural reefs and the gas and oil platforms in the northern Santa Barbara Channel Islands and Southern California. Shallow water columns (< 20 m) were surveyed by Scuba and the deep water columns (from 20 m to 400 m) were surveyed using manned submersibles Delta and Dual Deepworker and unmanned Remotely Operated Vehicle (ROV).	Santa Barbara Channel fish surveys at deep reefs: Footprint, Piggy Bank, Anacapa Passage	<a href="#">dataset in repository</a>
	Santa Barbara Channel fish and invertebrate surveys at oil and gas platforms	<a href="#">dataset in repository</a>
	Santa Barbara Channel fish surveys at shallow regions of oil and gas platforms (SCUBA)	<a href="#">dataset in repository</a>
	Santa Barbara Channel fish surveys at shallow outcrops nearby the oil/gas platforms and served as a comparison of the organisms on the platforms	<a href="#">dataset in repository</a>

# Using the identifier

Example: hyperlink to the most recent revision of dataset “edi.5”:

<https://portal.edirepository.org/nis/mapbrowse?scope=edi&identifier=5&revision=newest>

`<a href="https://portal.edirepository.org/nis/mapbrowse?scope=edi&identifier=6&revision=newest">dataset in repository</a>`

The screenshot shows the SBC MBON Data Catalog website. The header includes navigation links: Home, About, Research, Data, Photo Gallery, Get Involved, and News. The main content area is titled "SBC MBON Data Catalog" and contains a paragraph about the catalog's purpose. Below this, there are two sections: "Datasets in public repositories" and "Biological surveys from deep reefs and oil/gas platforms (Love lab)". The "Datasets in public repositories" section includes a table with two columns: "Kelp forest/Reef" and "Santa Barbara Channel Marine BION: Integrated Fish". The "Biological surveys from deep reefs and oil/gas platforms (Love lab)" section includes a table with two columns: "Long-term biological surveys on fish and invertebrates from deep natural reefs and the gas and oil platforms in the northern Santa Barbara Channel islands and Southern California" and "Santa Barbara Channel Marine BION: Integrated Fish".

Kelp forest/Reef	Santa Barbara Channel Marine BION: Integrated Fish
Abundance measurements of kelp forest species through 2016, integrated from four sources: Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO), Santa Barbara Coastal LTER (SBC-LTER), Channel Islands National Park (PIM) and San Nicolas Island monitoring program (SNI). The integrated fish dataset includes ancillary sampling locations and integration code (R) to produce input for time-series plots by taxa and site.	Santa Barbara Channel Marine BION: Integrated Fish Santa Barbara Channel Marine BION: Integrated Quad and swath cover Santa Barbara Channel Marine BION: Integrated Benthic cover Santa Barbara Channel Marine BION: species integrated datasets shown above (joined by <a href="#">dataset in repository</a> )

Long-term biological surveys on fish and invertebrates from deep natural reefs and the gas and oil platforms in the northern Santa Barbara Channel islands and Southern California. Shallow water columns (< 20 m) were surveyed by SCUBA and the deep water columns (from 20 m to 400 m) were surveyed using manned submersibles Delta and Dual Deepworker and unmanned Remotely Operated Vehicle (ROV).	Santa Barbara Channel Marine BION: Integrated Fish
Santa Barbara Channel fish surveys at deep reefs: Footprint, Piggy Bank, Anacapa Passage	<a href="#">dataset in repository</a>
Santa Barbara Channel fish and invertebrate surveys at oil and gas platforms	<a href="#">dataset in repository</a>
Santa Barbara Channel fish surveys at shallow regions of oil and gas platforms (SCUBA)	<a href="#">dataset in repository</a>
Santa Barbara Channel fish surveys at shallow outcrops nearby the oil/gas platforms and served as a comparison of the organisms on the platforms	<a href="#">dataset in repository</a>

`<tr>`

`<td class="ds_title">CALCOFI fish larvae at 66 standard stations, 1966 - ongoing</td>`

`<td>`

`<a href="https://portal.edirepository.org/nis/mapbrowse?scope=edi&identifier=109&revision=newest">dataset in repository</a>`

`</td>`

`</tr>`

# Using the identifier



Example: hyperlink to the most recent revision of dataset “edi.5”:

<https://portal.edirepository.org/nis/mapbrowse?scope=edi&identifier=5&revision=newest>

`<a href="https://portal.edirepository.org/nis/mapbrowse?scope=edi&identifier=6&revision=newest">dataset in repository</a>`



# Add to an existing page ...

The University of Kansas  
**Kansas Biological Survey**  
*Understanding our environment*

Home About People Programs Research KU Field Station Web mapping Giving

Overview

Research Associated Projects

Central Plains Center for Bioconservation

Kansas Applied Remote Sensing

Kansas Natural Heritage Inventory

Research and inventory projects

Publications

Recent papers, articles, and related content

Data and project reviews

KU Ecosystems Research Group

Monarch Watch

Native Medicinal Plant Research Program

### Kansas Natural Heritage Inventory: Data and project reviews

**Making a data request**

GIS datasets showing buffered species locations are available for download free of charge from the Kansas Natural Resource Planner (NRP) web mapping application. The Terrestrial Species of Concern layer was last updated in October 2017. The next update of the Aquatic Species of Concern layer is scheduled for December 2017.

For site-specific project reviews requiring detailed location information, contact Jennifer Delisle, Heritage Program Information Manager, at [jdelisle@ku.edu](mailto:jdelisle@ku.edu).

When making a request please provide the following details:

1. Your name, address, telephone number, email address and professional affiliation.
2. The purpose for which the information is needed (e.g., environmental assessment, management plan).
3. A brief description of the nature of the project (e.g., pipeline, city park, cellular tower).
4. Legal description (section, township, range) of the project site.
5. Current land use of the project area (cropland, urban, pasture (native vs. introduced)).
6. A GIS data layer or photocopy of a 7.5-minute USGS topographical map needed.

Fees are charged to cover the cost of providing data services. Charges are based on the project sponsor prior to beginning work on a major data request. From one hour to respond to a request. The Heritage Program also reserves the right to require a deposit prior to data delivery. The entire rare species database can be accessed through an annual subscription. The annual fee for this subscription is \$7,500.

**ARCHBOLD BIOLOGICAL STATION**  
Research • Conservation • Education

News Make a Difference Donate

HOME ABOUT RESEARCH DATA LAND MANAGEMENT CONSERVATION EDUCATION NEWS/EVENTS VISITOR INFORMATION

### Archbold Data and Metadata

ARCHDATA (our program for managing research and monitoring data and metadata)

ARCHSPATIAL DATA (serving our geographic projects)

SPECIES LISTS

BIOLOGICAL COLLECTIONS

### Data Access Policy

See our Data Access Policy. You will need to sign/accept the Archbold Data Use Agreement prior to downloading data. We hope you enjoy exploring the Archbold data.

### Contact and Resources

Contact our Data Manager

Support and Resources available

MORE INFORMATION QUICK LINKS CONTACT INFORMATION STAY CONNECTED

MAERC Home

The Reserve Jobs Contact

Archbold Biological Station, 123 Main St., Venus, FL 33580  
Phone: 863-465-3271  
Fax: 863-689-1957

Sign up for our Newsletter

Facebook Twitter YouTube

Copyright © 2014 Archbold Biological Station. All rights reserved.

UNIVERSITY OF SOUTH CAROLINA  
**Baruch Institute**  
College of Arts & Sciences

US CAROLINA • U.S. • Data & Publications • Biological Databases

Home About Baruch Data & Publications

Data Distribution Liability & Acknowledgement

Contact Data Manager

Imaging Array

Real-time Data: Tides, Weather, Water Quality

Biological Databases

Water Quality & Chemistry Databases

Geological & Hydrological Databases

Meteorological Databases

Reference Specimens & Species Lists

Site Profile

Publications

Facilities, Resources, & Research Sites

North Inlet-Winyah Bay

### Biological Databases

Before using any data, users are responsible for reading both the Data Distribution Acknowledgement information, which applies to all data on this website, and the specific to the data of interest. Databases not available online are so noted.

Questions about or requests for assistance with any of the databases should be addressed to the Data Manager at [dean@baruch.usc.edu](mailto:dean@baruch.usc.edu), 843.954.9032.

All Biological databases in Access

Each individual database in Excel and Access:

MacroBenthic Infauna (0.5mm - 20mm)

1981-1992 (Excel) 1981-1992 (Access)

1993-2008 "currently not available online"

MacroBenthic Infauna (0.5 mm - 0.5 mm)

1972-1994 "currently not available online"

Mesozooplankton - Large Mobile Epibenthic

1981-2003 (Excel) 1981-2003 (Access)

2004-present "currently not available online"

Mesozooplankton - Small

1981-present "currently not available online"

Metadata - condensed version Data Set Credit

Metadata - condensed version Data Set Credit

Secure | <https://bullshoals.missouri-state.edu/weather.htm>

IMS TOOLS DataOne by date EAGER OLOSARIES DeoLink EDI BON pag.com Merlin Bird ID app Current Rainfall NEWS EDO

### Resources

Wind speed and direction

### Current Data

You need Microsoft Excel to access these files. They can be opened in Google Docs if you do not have Microsoft Excel.

[Weather data from 12/26/15 to 5/10/17](#)

[Header abbreviations key for the weather data file](#)

### Archived Data

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014												
2015												
2016	N/A	N/A	N/A	N/A						N/A	N/A	

**Pepperwood Preserve**

HOME WHAT WE DO GET INVOLVED RESOURCES ABOUT US

### Sentinel Site

## Tracking nature's health indicators over time

### Watershed Sentinel Site

Pepperwood serves as a Watershed Sentinel Site dedicated to tracking ecosystem health over time by systematically monitoring things like weather, soil moisture, stream flow, and the diversity and vitality of local plant and animal populations. Over 70 projects on-site are run by a combination of staff, citizen scientists, visiting scholars, and university partners. This long-term monitoring has immediate benefits for land and water managers, and will be evaluating climate impacts in real time and informing best resource management practices over time.

Much of Pepperwood's Sentinel Site data is available for researchers. [Click here](#) to contact us about obtaining data or to apply to conduct research at Pepperwood.



Pepperwood's Sentinel Site is designed to meet the following objectives:

**SEDGWICK RESERVE**  
UC SANTA BARBARA NATURAL RESERVE SYSTEM

UCSB

### Current and Past Research at Sedgwick

As part of the UC Reserve System, Sedgwick presents a "living laboratory" for world-class researchers to study the pressing issues facing plant and animal communities.

**Current Research:**

Studies range from small to large scale and across disciplines as diverse as archeology, botany, microbiology, geology, environmental science and zoology. Some recent projects include:

- Regeneration of native oak trees
- Competition among native and invasive plant species
- Restoration of native grasslands
- Microbial activity in soils
- Pollinators
- Cultural history

**Bibliography of research conducted at Sedgwick:**

*Overlaid study on the Upper Mesa*

*Researchers assessing a remote study site on the Upper Reserve*

Natural Reserve System  
UNIVERSITY OF CALIFORNIA

University of California  
Natural Reserve System  
Santa Barbara, CA 93106-1000 (805) 884-1001

Copyright © The Regents of the University of California. All Rights Reserved. • Terms of Use • Privacy Policy

# Dataset links



## DOI

Starts with “10. “

Permanent, to a specific revision:

<https://dx.doi.org/10.6073/pasta/62803c95783c4e771695d1c6cc3d23ac>

## Repository identifier

Most recent revision:

<https://portal.edirepository.org/nis/mapbrowse?scope=edi&identifier=5&revision=newest>

# Which link?



To	Use	Result
Cite data...	DOI	Resolves to the exact revision
Link to an ongoing time series, where you plan to update with new revisions...	Use the repository id, with revision="newest"	User will be taken to the most recent revision of your time series User will see the DOI, so it can be cited correctly



# Duane Costa



Complex catalogs with PASTA API