

## I Searching for a species with Latitude Longitude data on iDigBio

Direct link: <https://www.idigbio.org/portal/search>

104,844,019 Specimen Records  
22,399,434 Media Records  
1,626 Recordsets

Search the Portal

Digitization  
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Sharing Collections  
Documentation on data ingestion

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Join in, contribute, be part of the community

Proposals  
New tool and workshop ideas

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How can you help biological collections?

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Learn how your collection can benefit from our work

Teachers & Students  
Download lesson plans about using digitized specimens

1. Navigate to iDigBio ([www.idigbio.org](http://www.idigbio.org)) and click on the “Search the Portal” button.

Search Records [Help](#) [Reset](#)

search all fields

Must have media  Must have map point

Filters Mapping Sorting Download

Add a field Clear

Scientific Name Marmota monax Add EOL Synonyms

Present  Missing

Date Collected Start: End:

Present  Missing

Country dwc:country

Present  Missing

2. On the search page, click the “must have map point” box, type in *Marmota monax* (woodchuck) in the “Scientific Name” box, and the records that match your search will appear below in a list (as well as on the map to the right).

Take our 30-second survey  
The U.S. National Science Foundation and iDigBio are required to collect information on use of digitized collections-based specimen data. Please help us meet this requirement every time you use this search portal. Sustainability of the national digitization effort depends on evidence of data use! [Maybe later.](#)

Search Records Help Reset

search all fields

Must have media  Must have map point

Filters | Mapping | Sorting | Download

Add a field Clear

Scientific Name  Add EDL Synonyms

Present  Missing

Date Collected Start:  End:

Present  Missing

Country

Present  Missing

List | Labels | Media | Recordsets

Specific Epithet	Date Collected	Locality	Scientific Name	Institution Code	Catalog Number	State/Province	Family	Genus	Water Body	Basis of Record	Collected By	Field Number	Comments
nonax	1857	no specific locality ...	Marmota monax	CHAS	685	Manitoba	Sciuridae	Marmota	no data	PreservedSpecimen	Collector(s): Robe...	no data	view
nonax	1860-01-01/2614-9...	Ithaca	Marmota monax	CUMV	7228	New York	Sciuridae	Marmota	no data	PreservedSpecimen	Collector(s): unkn...	no data	view
nonax	1860-01-01/2614-9...	Ithaca	Marmota monax	CUMV	15381	New York	Sciuridae	Marmota	no data	PreservedSpecimen	Collector(s): unkn...	no data	view
nonax	1880-01-01/2004-0...	Petersham	Marmota monax	UAM	5353	Massachusetts	Sciuridae	Marmota	no data	PreservedSpecimen	Collector(s): Neal...	no data	view
nonax	1885	Lucknow	Marmota monax	ROM	9111010110	Ontario	Sciuridae	Marmota	no data	PreservedSpecimen	Garnier, JH	no data	view
nonax	1889-03-27	London	Marmota monax	ROM	17182	Ontario	Sciuridae	Marmota	no data	PreservedSpecimen	Saunders, WE	no data	view
nonax	1890	Port Sydney	Marmota monax	ROM	2012300023	Ontario	Sciuridae	Marmota	no data	PreservedSpecimen	Kay, A ?	no data	view
nonax	1890	Portage La Prairie	Marmota monax	ROM	3306201002	Manitoba	Sciuridae	Marmota	no data	PreservedSpecimen	Atkinson, G	no data	view
nonax	1890-06	Toronto	Marmota monax	ROM	3306201004	Ontario	Sciuridae	Marmota	no data	PreservedSpecimen	Brodie, WGA	no data	view

3. Scroll down to see the results. There should be at least 1700 records of *Marmota monax* that have latitude and longitude coordinates. New records are often uploaded to the portal and as a result the list of search results will grow over time. The results are also automatically visualized on a map to the right.

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Search Records Help Reset

search all fields

Must have media  Must have map point

Filters | Mapping | Sorting | Download

Add a field Clear

Scientific Name  Add EDL Synonyms

Present  Missing

Date Collected Start:  End:

Present  Missing

Country

List | Labels | Media | Recordsets

Specific Epithet	Date Collected	Locality	Scientific Name	Institution Code	Catalog Number	State/Province	Family	Genus	Water Body
caligata	1903-07-28	Seldovia	Marmota caligata	AMNH	M-21890	Alaska	Sciuridae	Marmota	no data
caligata	1918-01-01/1918-1...	Telegraph Creek	Marmota caligata	DMNS	2454	British Columbia	Sciuridae	Marmota	no data
caligata	1918-01-01/1918-1...	Telegraph Creek	Marmota caligata	DMNS	2453	British Columbia	Sciuridae	Marmota	no data
caligata	1920-09-26	Lat: 48 8358 Long:...	Marmota caligata	UWBM	6787	Washington	Sciuridae	Marmota	no data
caligata	1921-08-29	Mile 33-34, Pge Ra...	Marmota caligata	ROM	114294	British Columbia	Sciuridae	Marmota	no data
caligata	1927-08-17	Alta Lake, New W...	Marmota caligata	ROM	24771	British Columbia	Sciuridae	Marmota	no data
caligata	1927-08-19	Mons, Red Mounta...	Marmota caligata	ROM	2901090155	British Columbia	Sciuridae	Marmota	no data
caligata	1927-08-19	Alta Lake, New W...	Marmota caligata	ROM	2901090154	British Columbia	Sciuridae	Marmota	no data
caligata	1929-06-26	Lituya Bay	Marmota caligata	OMNH	1214	Alaska	Sciuridae	Marmota	no data

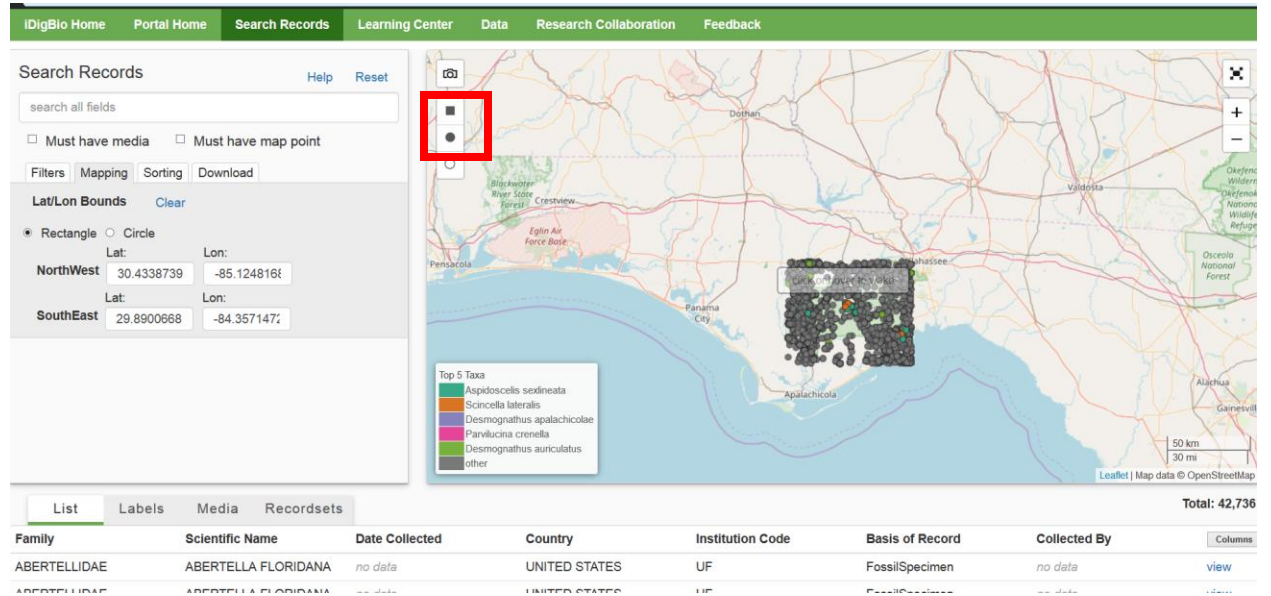
4. If you'd like to search for more than one species at a time, simply enter multiple species names in the "Scientific Name" box separating each name by hitting enter (or return). The example above added the species *Marmota flaviventris* (yellow-bellied marmot) and *Marmota caligata* (hoary marmot) to the search.

## Searching with a Bounding Box

The map provides several controls for further interaction including boundary drawing capabilities.

1. Click the rectangle or circle button at the top left of the map to draw a rectangular or circular boundary around a geographic area to further limit your results to records with geopoints inside the boundary.

2. Once the boundary is drawn the results will automatically update below and the coordinates of the bounding area drawn can be viewed under the mapping tab.



The screenshot displays the iDigBio Search Records interface. The top navigation bar includes links for IDigBio Home, Portal Home, Search Records, Learning Center, Data, Research Collaboration, and Feedback. The Search Records section on the left features a search bar, checkboxes for 'Must have media' and 'Must have map point', and filter options for 'Lat/Lon Bounds' (Rectangle and Circle). The 'Rectangle' option is selected, and the bounding box coordinates are shown as NorthWest (30.4338739, -85.1248164) and SouthEast (29.8900688, -84.357147). The map on the right shows a cluster of points near Apalachicola, Florida, with a red rectangle drawn around them. A legend for 'Top 5 Taxa' is visible, listing Aspidoscelis sexlineata, Scincella lateralis, Desmognathus apalachicola, Parvilocnia crenella, and Desmognathus auriculatus. The bottom section shows a table of search results with columns for Family, Scientific Name, Date Collected, Country, Institution Code, Basis of Record, and Collected By. The total number of records is 42,736.

Family	Scientific Name	Date Collected	Country	Institution Code	Basis of Record	Collected By	Columns
ABERTELLIDAE	ABERTELLA FLORIDANA	no data	UNITED STATES	UF	FossilSpecimen	no data	view
ABERTELLIDAE	ABERTELLA FLORIDANA	no data	UNITED STATES	UF	FossilSpecimen	no data	view

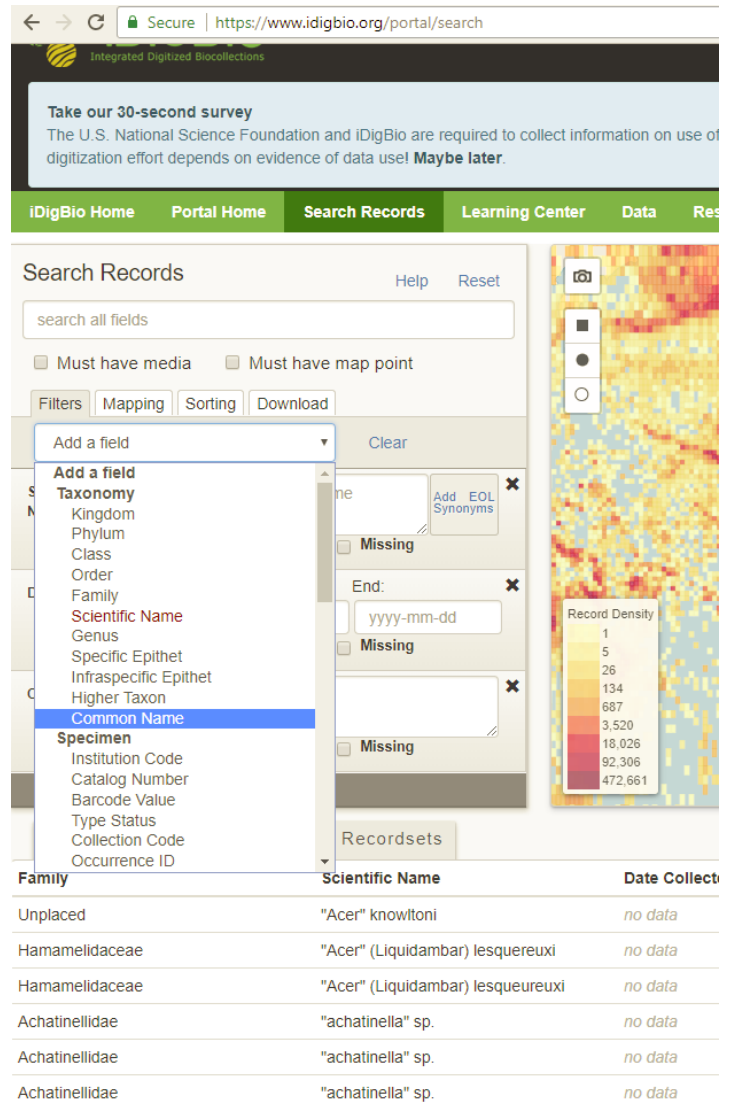
## II Adding a Search Field

iDigBio includes scientific name, date collected, and country as default search filters. You can search using a variety of fields including taxonomy (genus, family, phylum), specimen information (institution code, catalog number, type status), collection event (collected by, date collected), locality (state/province, locality water body) and others.

1. Navigate to the iDigBio portal by going to the search portal (<https://www.idigbio.org/portal/search>)

2. Use the **Add a Field** dropdown menu to choose a field you would like to add as a filter to search by. Here we are adding the Common Name field.

3. Enter your search criteria into the new field



The screenshot shows the iDigBio search portal interface. At the top, there is a navigation bar with links for iDigBio Home, Portal Home, Search Records, Learning Center, Data, and Results. Below this is a search bar with the text "search all fields". To the right of the search bar is a "Clear" button. Below the search bar are several filter options, including "Must have media" and "Must have map point". A dropdown menu titled "Add a field" is open, showing a list of search fields. The "Common Name" field is highlighted in blue. Below the dropdown menu is a table of search results. The table has three columns: "Family", "Scientific Name", and "Date Collect". The results are as follows:

Family	Scientific Name	Date Collect
Unplaced	"Acer" knowltoni	no data
Hamamelidaceae	"Acer" (Liquidambar) lesqueureuxi	no data
Hamamelidaceae	"Acer" (Liquidambar) lesqueureuxi	no data
Achatinellidae	"achatinella" sp.	no data
Achatinellidae	"achatinella" sp.	no data
Achatinellidae	"achatinella" sp.	no data



### III Searching using the all fields options

The screenshot shows the 'Search Records' interface. At the top, there is a search box labeled 'search all fields' with 'Help' and 'Reset' links. Below the search box are two checkboxes: 'Must have media' and 'Must have map point'. There are four buttons: 'Filters', 'Mapping', 'Sorting', and 'Download'. Below these is a dropdown menu labeled 'Add a field' and a 'Clear' button. The interface is divided into three main sections, each with a close button (X):

- Date Collected:** Includes 'Start' and 'End' date fields (format: yyyy-mm-dd), and checkboxes for 'Present' and 'Missing'.
- Genus:** Includes a text input field with 'dwc:genus', a 'Present' checkbox, a 'Missing' checkbox, and a button labeled 'Add EOL Synonyms'.
- Specific Epithet:** Includes a text input field with 'dwc:specificEpithet', a 'Present' checkbox, and a 'Missing' checkbox.

1. The **search all field** box allows you to search a term across all fields of the data simultaneously. For example, if you search for 'carex', this term is searched in all fields, and the search returns records where 'carex' appears in a scientific name, genus, host, locality, or any other place where it appears, excluding substrings (parts of words). Searches are not case-sensitive, i.e., 'carex' and 'Carex' will return the same result. You can enter either common name or genus and species in the all fields toolbar.

2. Below we searched the common name sea robin, and got multiple results, using the all fields search option.

The screenshot shows the search results for 'sea robin' on the iDigBio portal. The search interface is highlighted with a red box. The results are displayed on a world map and a table. The table has the following columns: Family, Scientific name, Date Collected, Country, Institution Code, and Basis of Record. The total number of results is 7,450.

Family	Scientific name	Date Collected	Country	Institution Code	Basis of Record	Columns
Engraulidae	<i>Abraliopsis gichristi</i> (Robson, 1924)	1968-10-14T06:35:00:1964-10-14T07:00:00	Australia	NIW	PreservedSpecimen	view
Cenodrussidae	<i>Acantomunna lagocheilus</i> Cohen, 1.	1964-10-14T21:00:00:1964-10-14T00:00:00	Australia	NIW	PreservedSpecimen	view

3. You could search on Encyclopedia of Life ([www.eol.org](http://www.eol.org)) to find the genus and species if you only have a common name.