



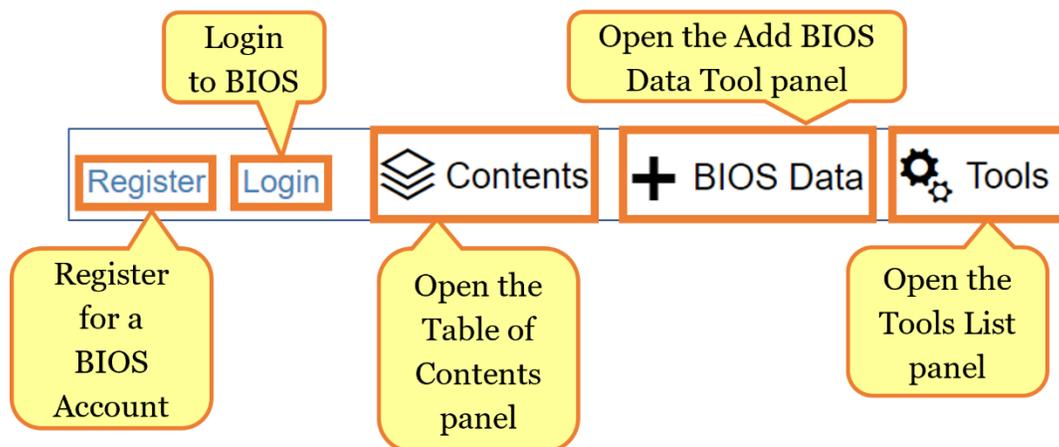
California Department of Fish and Wildlife Biogeographic Information and Observation System (BIOS 6) Getting Started:

Getting Started with BIOS 6

From the [BIOS homepage](#), click the button for one of the many BIOS viewers to begin. The standard and default viewer is labeled as “BIOS Viewer (Public and Secure)”.

Once the BIOS Viewer is open, you can either continue using the public version or sign in using your California Natural Diversity Database (CNDDDB) or Department credentials.

The banner across the top of the viewer gives access to many of the primary functions in BIOS.



The BIOS tools have been arranged into a single tool menu that you see at the top right of the viewer.

As a rule of thumb, follow these steps to interact with data in BIOS:

1. **Add a BIOS layer / turn on a reference layer**
2. **Activate that layer**
3. **Open a tool to interact with the active layer**

Adding Data to the Map

On the top right of the viewer, you will find the **+ Add BIOS Data** tool, adjacent to the **Tools** button. This tool is your primary method for adding data from the BIOS catalog into your map session.

Type the name of the dataset that you would like to add in the textbox or enter a search term such as a species name. Click the search button  or press Enter on your keyboard, the search results table below will populate with the results. Click the Add data button  to add a dataset to your map session. Added data appears in the **BIOS Layers** section of the **Contents** panel.

+ Add BIOS Layers

Search BIOS Catalog to Add Layers

Type search terms here:

Limit search results by excluding ACE & CWHR layers

Exclude ACE layers

Exclude CWHR Range and Predicted Habitat

908 results found for "vegetation"

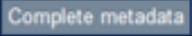
| | Add | DSID | Dataset Name | Pub | Feature Type |
|-----|-----|------|--|-----|--------------|
| 96 | + | 1057 | Vegetation - Western Madera County [ds1057] | 🔒 | polygon |
| 97 | + | 170 | Vegetation - Western Riverside County - 2005 [ds170] | 🔒 | polygon |
| 98 | + | 1196 | Vegetation - Western Riverside County Update - 2012 [ds1196] | 🔒 | polygon |
| 99 | + | 986 | Vegetation - Whiskeytown National Recreation Area Vegetation Mapping Project [ds986] | 🔒 | polygon |
| 100 | + | 200 | Vegetation - Yosemite [ds200] | 🔒 | polygon |
| 101 | + | 1327 | Vegetation (fvog) - CALFIRE FRAP [ds1327] | 🔒 | raster |
| 102 | ✓ | 515 | Vegetation (MCV / NVCS) Mapping Projects - California [ds515] | 🔒 | polygon |
| 103 | + | 2653 | Vegetation Climate Exposure CNRM CM5 RCP45 2070_2099 - ICE [ds2653] | 🔒 | raster |

Click to add this layer to a session

Security level and data type are listed

Contents Panel

The **Contents** panel also provides other map content related functionality, such as additional layer options and access to references.

- To draw a data layer, simply check on the small box to the left of the name of the data layer in the Table of Contents.
- Click on the layer name to select it as the current **Active Layer**. This makes the layer available for use with the various tools in BIOS. You will see a blue box appear around the layer indicating that it is active.
- You can view the metadata document for the layer by first clicking three ellipses (...) after the dataset name, then on the **Mini-metadata info** button  to below the layer name.
- To view the complete metadata scroll down to the bottom of the metadata window on the right side of viewer and click the **Complete metadata** button .
- The **Zoom to Layer** button  will allow you to quickly zoom the map to the full spatial extent of the layer.
- Click on the ► (right arrow) to the left of the Layer name, then press the **Display Symbology** button  and the legend will appear.
- Click on the **Remove Layer**  button to remove the layer from your map session.

The screenshot shows the 'Contents' panel of a GIS application. The panel is titled 'Contents' and has a close button (X) in the top right corner. It is organized into several sections: 'Graphics Layers', 'External Layers', 'BIOS Layers', and 'Reference Layers'. Under 'BIOS Layers', there are two main items: 'Terrestrial Species List - ACE [ds2700] ...' and 'Vegetation (MCV / NVCS) Mapping Projects - California [ds515] ...'. The 'Terrestrial Species List' layer is highlighted in blue and has a checkmark icon. The 'Vegetation' layer has a dropdown arrow and a three-dot menu icon. Below the 'Vegetation' layer, there is a toolbar with icons for document, print, refresh, filter, link, and close. A legend titled 'ProjStatus' is visible below the toolbar, showing four categories with corresponding colored swatches: 'Map complete, based on local classification' (dark green), 'Map complete, not based on local classification' (light green), 'Map not complete, will be based on local classification' (orange), and 'Map not complete, will not be based on local classification' (pink). At the bottom of the panel, there is a button labeled '+ Add BIOS Layers'. Four callout boxes with orange borders and yellow backgrounds provide instructions: 'Blue highlight on active layer' points to the blue highlight on the 'Terrestrial Species List' layer; 'Click to open symbology' points to the dropdown arrow of the 'Vegetation' layer; 'Click on the ellipses (...) to open more options' points to the three-dot menu icon of the 'Vegetation' layer; and 'Added layers appear here' points to the legend area.

Blue highlight on active layer

Click to open symbology

Click on the ellipses (...) to open more options

Added layers appear here

Metadata Brief [X]

California Ports - OSPR [ds353]

Summary
Created to display port locations within California.

Description
This layer contains the 11 major seaports within the State of California.

Last Updated In BIOS On:
02/15/2008

Contact Information

| | |
|------------------|---|
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Complete metadata **Download data**

Click to display complete metadata

Click for GIS dataset

If the dataset is available for download, there will be a blue download data button **Download data** at the bottom of the metadata window. Additional download options are available on the [CDFW Open Data Portal](#).

Identify Features Tool

To get basic information on any BIOS or Reference layer, use the **Identify Features** tool. The tool can be accessed from the **Tool List**. Ensure a layer is active before using this or any other BIOS tool.

Identify Features [X]

Terrestrial Species List - ACE [ds2700]

Clear Identified

Lat-Lon:(37.2928, -120.1323)

Selection symbology

Current active layer

Once the tool is open, click on any feature in the map to get more information. Once selected, the results related records will appear in a table at the bottom of the map. These results can be exported to a PDF or an Excel document.

Terrestrial Species List - ACE [ds2700] (1 features) (96 related records)

| OBJECTID | Hex_ID | Ecoregion | Biodiversity Rank | Sci_Name | Com Name | Observation | Model | Rare | E | WHR_code |
|----------|--------|-----------|-------------------|-------------------------|--------------------|-------------|-------|------|---|-----------------|
| 1 | 20089 | 41760 | 1 | Anaxyrus punctatus | | | | | | AAABB01120 A036 |
| 2 | 20089 | 41760 | 1 | Elanus leucurus | | | | | | ABNKC06011 |
| 3 | 20089 | 41760 | 1 | Buteo swainsoni | swainson's hawk | N | Y | Y | | ABNKC1907 |
| 4 | 20089 | 41760 | 1 | Buteo lagopus | rough-legged hawk | N | Y | N | | ABNKC19130 B125 |
| 5 | 20089 | 41760 | 1 | Geococcyx californianus | greater roadrunner | N | Y | N | | ABNRB0902 |

For more detailed instructions on using the BIOS 6 Viewer please read the [User Guide](#).

Thank you for using BIOS. Please [email](#) us with any comments or questions.