



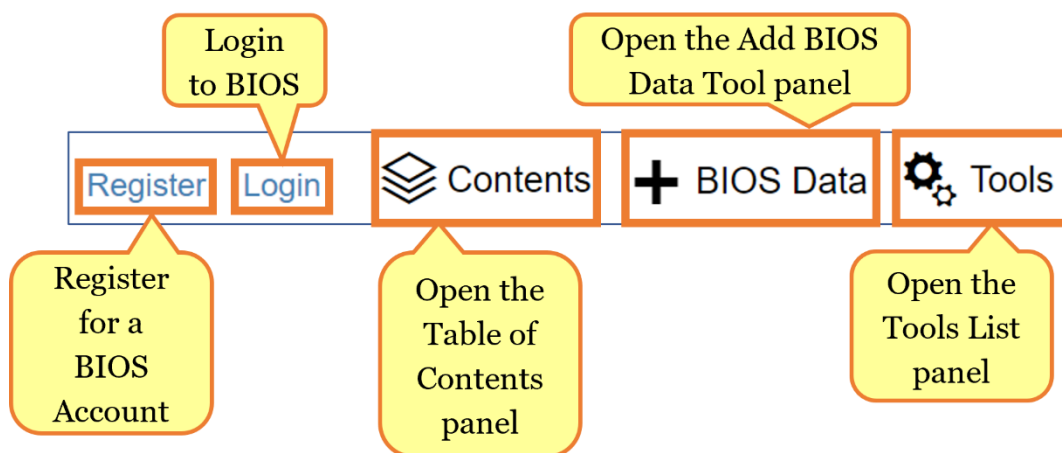
California Department of Fish and Wildlife Biogeographic Information and Observation System (BIOS 6) Getting Started:

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.

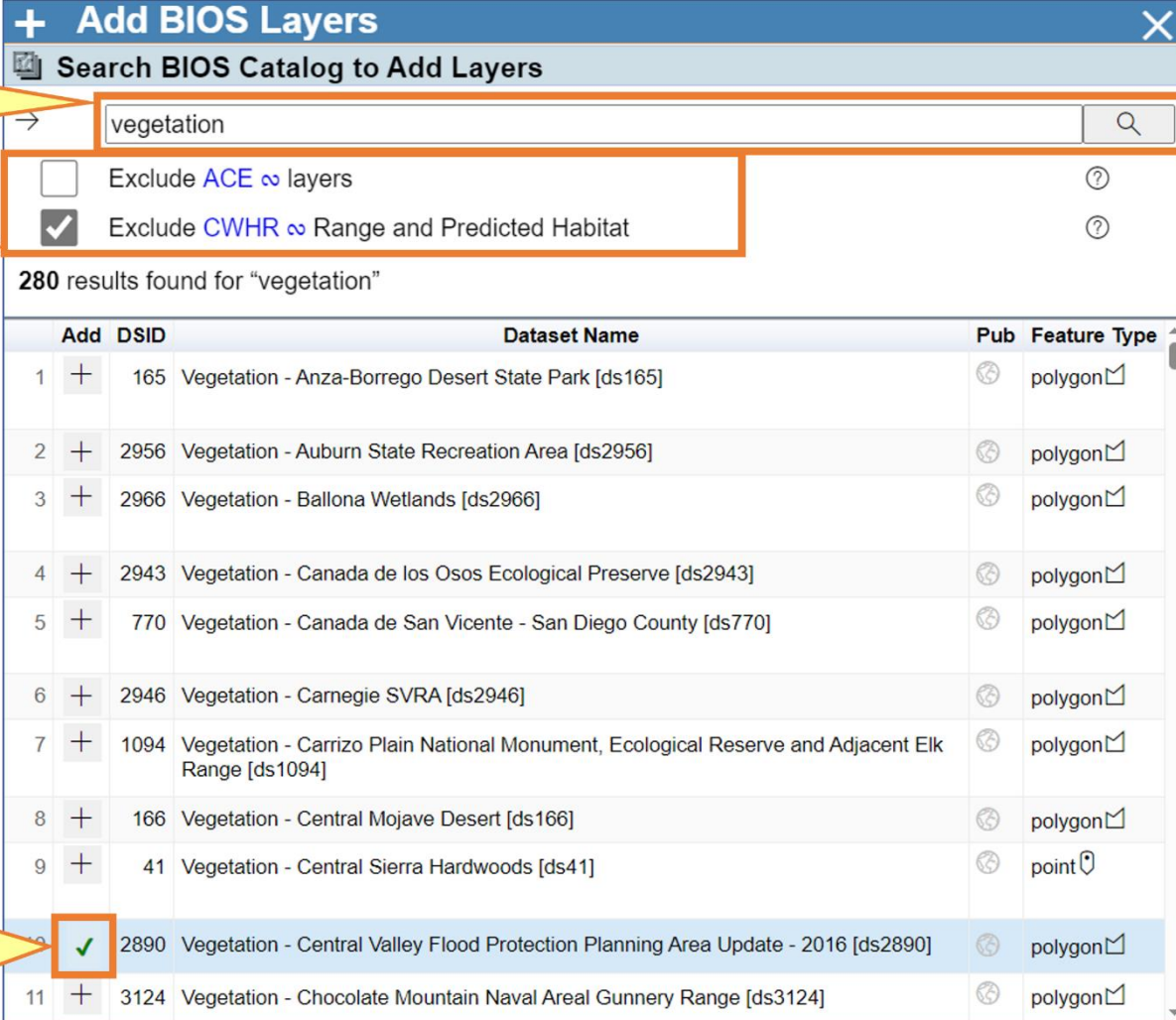
To quickly interact with data in BIOS, follow these steps:

1. Add a BIOS layer
2. Turn on the layer (check the box)
3. Activate the layer
4. Then click on a feature of interest in the map (Popup Info tool will appear)

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.



Type search terms here

Limit search results by excluding ACE & CWHR layers


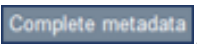



Click to add this layer to a session

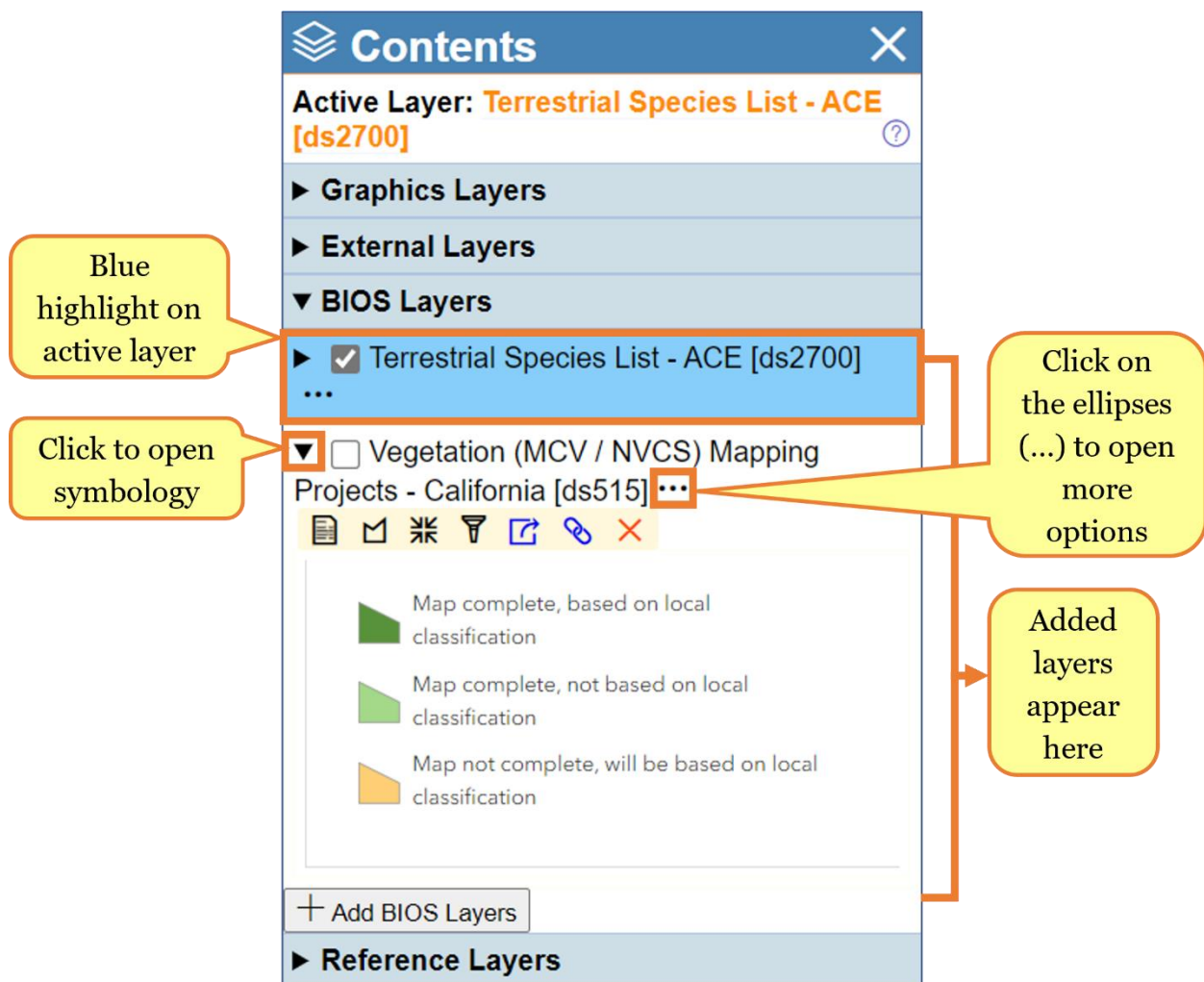
Add	DSID	Dataset Name	Pub	Feature Type
1 +	165	Vegetation - Anza-Borrego Desert State Park [ds165]		polygon 
2 +	2956	Vegetation - Auburn State Recreation Area [ds2956]		polygon 
3 +	2966	Vegetation - Ballona Wetlands [ds2966]		polygon 
4 +	2943	Vegetation - Canada de los Osos Ecological Preserve [ds2943]		polygon 
5 +	770	Vegetation - Canada de San Vicente - San Diego County [ds770]		polygon 
6 +	2946	Vegetation - Carnegie SVRA [ds2946]		polygon 
7 +	1094	Vegetation - Carrizo Plain National Monument, Ecological Reserve and Adjacent Elk Range [ds1094]		polygon 
8 +	166	Vegetation - Central Mojave Desert [ds166]		polygon 
9 +	41	Vegetation - Central Sierra Hardwoods [ds41]		point 
10 <input checked="" type="checkbox"/>	2890	Vegetation - Central Valley Flood Protection Planning Area Update - 2016 [ds2890]		polygon 
11 +	3124	Vegetation - Chocolate Mountain Naval Areal Gunnery Range [ds3124]		polygon 

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.



Metadata Brief
✕

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

Name:	Mark Lampinen
Org:	California Department of Fish and Wildlife (CDFW)
Division:	Office of Spill Prevention and Response (OSPR)
Address:	1700 K Street Sacramento, CA 95814
Phone:	(916) 322-4777
Email:	Mark.Lampinen@wildlife.ca.gov

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 for CDFW authored data are available on the [CDFW Open Data Portal](#).

Identify Popup Tool

To get basic information on any BIOS or Reference layer, use the **Popup Identify** tool. The tool can be accessed by first **Activating** a layer in the **Contents** panel, then clicking on a feature in the map.

Selection symbology

10531

Zoom to

OBJECTID	6986
Hex_ID	10531
BioRankEco	3
BioSumEco	0.326881
BioRankSW	3
BioSumSW	0.3555
Eco_Name	Southern Cascades
County	PLUMAS
Shape_Area	11152191.59765625
Shape_Length	12431.010963569866

Related records

- Anaxyrus boreas
- Rana cascadae
- Ambystoma macrodactylum
- Gavia immer
- Podilymbus podiceps

Dock, Minimize, and Close buttons

Popup Identify panel

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						ABNKC0601
3	20089	41760	1	Buteo swainsoni	swainson's hawk		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

Zoom to selection

Print table to PDF

Download table

Expand table

Close table

Scroll bars

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.