



California Department of Fish and Wildlife CNDDDB QuickView Tool in BIOS User Guide



California Department of Fish and Wildlife
California Natural Diversity Database
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The CNDDDB QuickView Tool in BIOS is a free tool that provides the user with access to basic [California Natural Diversity Database](#) (CNDDDB) and [Spotted Owl Observations Database](#) (SPOWDB) information at the USGS 7.5' topographic quad and county levels. A [subscription](#) is required to obtain the full, detailed information available in the CNDDDB and the SPOWDB, which is managed under the CNDDDB Program as a separate database due to data needs specific to spotted owls. Data within the CNDDDB QuickView Tool cannot be substituted for pre-project review or on-site surveys.

The CNDDDB QuickView Tool provides the user with a list of all CNDDDB-tracked elements (including spotted owl) that have been documented by the CNDDDB and the SPOWDB to occur on a particular USGS 7.5' topographic quad or county.

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Purpose of the CNDDDB QuickView Tool

The CNDDDB QuickView Tool is a free tool used to generate lists of CNDDDB-tracked elements that occur within particular quad(s) and/or counties within California. The CNDDDB QuickView Tool serves several functions:

1. Provides users with information on the general areas in which CNDDDB-tracked elements are reported.
2. Provides users with a way to query the CNDDDB to see if there is any unprocessed CNDDDB data for a particular quad or county.
3. Has a 9 quad search function which is often used to create a list of potential CNDDDB-tracked elements that one may encounter in an area. When this tool is used to generate a potential species list for pre-project review, it is important to note that a detailed biological survey must still be performed.
4. Provides users with general location information on California Rare Plant Rank (CRPR) 3 and 4 taxa. Information on CRPR 3 and 4 taxa is entered into the CNDDDB at the quad and county level only; no occurrences are actively mapped into the CNDDDB occurrence database. CRPR 3 and 4 data is only available to users through the CNDDDB QuickView Tool and the Unprocessed Online Field Survey Form layer [ds1002].
5. Allows users to view CNDDDB quad-level distribution of data for any selected CNDDDB-tracked element, including spotted owls.

Definitions of Mapped and Unprocessed Data

The CNDDDB QuickView Tool returns quad and/or county information for CNDDDB data that is either Mapped, Unprocessed, or Mapped and Unprocessed. These terms are defined below in relation to CNDDDB data.

Mapped Data

Mapped data is data that has been evaluated by a CNDDDB Program biologist and has been incorporated into the CNDDDB occurrence database, or the SPOWDB.

Quads with spotted owl records will only be listed as Mapped. QuickView users may inquire with the [SPOWDB manager](#) as to whether unmapped data is available.

Unprocessed Data

Unprocessed CNDDDB data is data that has been submitted to the CNDDDB but has not yet been entered into the CNDDDB occurrence database. A bibliographic record has been created for this data with quad and county information but a thorough review of the information has not yet been conducted. Unprocessed records should be used with caution as they have not been quality controlled. These data will eventually be reviewed by a CNDDDB Program biologist and incorporated into the CNDDDB occurrence database if appropriate.

Mapped and Unprocessed Data

If an element is returned with a "Data Status" of Mapped and Unprocessed, it means that for the particular quad or county in question, the CNDDDB has both mapped occurrences as well as unprocessed data in our database.

Launching the CNDDDB QuickView Tool in BIOS

For the best performance, we recommend that you use Chrome as your web browser. The CNDDDB QuickView Tool can be accessed two ways. The easiest way to access the CNDDDB QuickView Tool is to launch it from the [CNDDDB Maps & Data web page](#) by clicking on the CNDDDB QuickView Tool tab and then clicking on the “CNDDDB QuickView Tool in BIOS” link. This will open a new window for BIOS with the CNDDDB QuickView Tool already active.

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CNDDDB Maps and Data

The CNDDDB is comprised of two data components: Text information and spatial information. Text information is available through RareFind 5 and provides essential information about special status species and occurrences. Spatial information is available through GIS downloads or can be viewed in the BIOS Viewer. Spatial information is important but MUST be used in conjunction with the text information in order to fully understand and appreciate the CNDDDB's rare species information. Users must have a CNDDDB subscription to access RareFind 5, CNDDDB data in BIOS, and CNDDDB spatial data downloads.

All uses of data from the CNDDDB are subject to the terms and conditions contained in our [License Agreement \(PDF\)](#).

Please refer to our [Data Use Guidelines \(PDF\)](#) document for information on using the CNDDDB data.

Attention CNDDDB subscribers: starting February 4, 2020, any subscription user wishing to access CNDDDB-related data will be required to register for an individual CDFW account and be listed as an authorized user under a current CNDDDB subscription. The [cnddb_gov](#) and [cnddb_com](#) login credentials will be discontinued. More information can be found in the [Subscription User Management Instructions and FAQ \(PDF\)](#), or by contacting your organization's subscription administrator.

RareFind 5 CNDDDB in BIOS Monthly Data Updates **CNDDDB QuickView Tool**

CNDDDB QuickView Tool

The CNDDDB QuickView Tool is a free Internet application that has been documented by the CNDDDB and the Spotted Owl Observations Database (SPOWDB) to occur in a selected USGS 7.5' topographic quad or in a selected county. The tool generates a list with species name and rarity status information. No specific location information is provided in this free application. The information provided by the CNDDDB QuickView Tool is NOT a substitute for the CNDDDB or the SPOWDB and is NOT a substitute for pre-project surveys. The CNDDDB QuickView Tool is intended for general informational use only.

The CNDDDB QuickView Tool is useful for:

- Producing simple species lists by quad or county.
- Performing 9 quad searches with one click.
- Viewing quad data by species.
- Determining if there are any records for a particular quad/county not yet processed in the CNDDDB (unprocessed data has not been reviewed by the CNDDDB for accuracy).
- Querying for California Rare Plant Rank 1-3 data.

[CNDDDB QuickView Tool in BIOS](#)

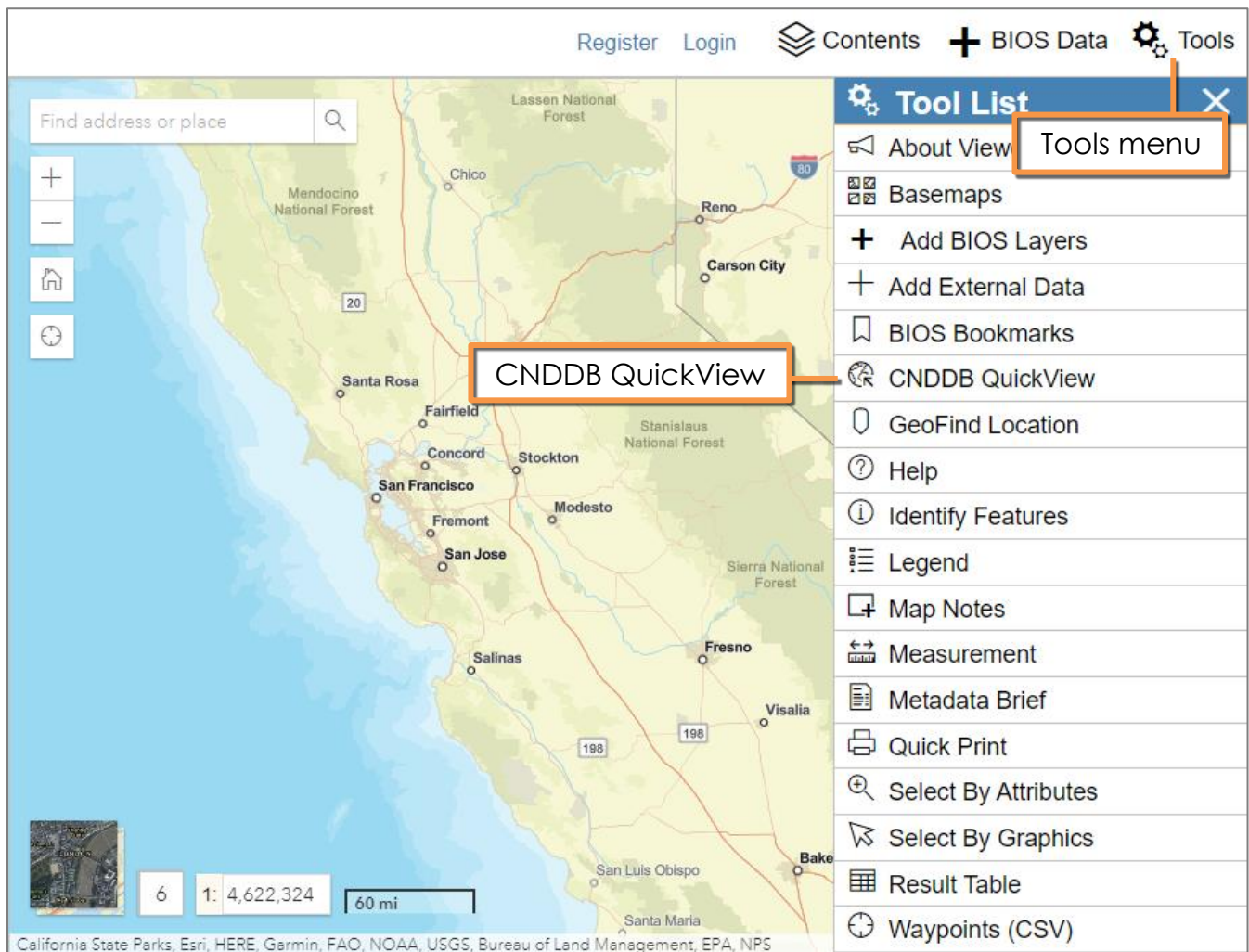
California Natural Diversity Database

About the CNDDDB
CNDDDB News
CNDDDB Subscriptions Management
CNDDDB QuickView Tool
CNDDDB and Spotted Owl Data Viewer
RareFind
Submitting Data
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Frequently Asked Questions

Related Information

- Native Plant Program
- Fully Protected Animals
- Species of Special Concern

Alternatively, if you already have BIOS open, you can access the CNDDDB QuickView Tool by opening the Tools menu at the upper right hand corner and navigating to the CNDDDB QuickView button.



CNDDDB QuickView Tool Disclaimer

When you first open the CNDDDB QuickView Tool in BIOS, an important message will appear on the right-hand side of the screen. Please take the time to read this message to understand the limitations of the QuickView tool. After reviewing the disclaimer, click “Open Tool” to begin using the CNDDDB QuickView Tool. You can bring back the disclaimer by pressing on the “?” bubble at the top left of the tool.

The screenshot displays the BIOS web application interface. On the left is a 'Contents' sidebar with expandable sections: Graphics Layers, External Layers, BIOS Layers, and Reference Layers. The Reference Layers section is expanded, showing checked items: Geolocation References, Hydrography, Natural Resources, Land Ownership, and Political Boundaries. The main area features a map of California with a grid overlay. A search bar at the top left of the map contains the text 'Find add'. A callout box points to a question mark icon in the top right corner of the map area, labeled 'Button to expand/hide message'. Another callout box points to a text box on the right side of the map, labeled 'Message about the QuickView tool'. The message text reads: 'The CNDDDB QuickView Tool provides public access to basic information taken from the California Natural Diversity Database (CNDDDB). A subscription is required to obtain the full, detailed information available in the CNDDDB. The CNDDDB QuickView Tool results contain "Mapped" and "Unprocessed" CNDDDB data at the 7.5 quad and county levels. The "Unprocessed" CNDDDB data has NOT been quality controlled and may contain errors. Neither the CNDDDB QuickView data, nor the full version of the CNDDDB, are to be substituted for pre-project review or for on-site surveys. Please see the CNDDDB QuickView Tool user guide for additional information.' A third callout box points to an 'Open tool' button located at the bottom right of the map area, labeled 'Begin using the QuickView tool'. The map includes a scale bar showing 6 miles and a scale of 1:4,622,324. The bottom of the map area contains attribution text: 'California State Parks, Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS'.

CNDDDB QuickView Tool Menu

To zoom to a particular area in California, you can use the “Zoom to a Quad” picklist or use the BIOS data viewer’s zoom and pan capabilities to locate your area of interest. For general information on how to use the BIOS data viewer, please see our [BIOS User Guide](#). The four CNDDDB QuickView Tool query methods are further discussed below.

The screenshot shows the CNDDDB QuickView Tool Menu interface. At the top, there are links for "User Guide" and "CNDDDB Home". Below these is a dropdown menu labeled "--Zoom to a quad--" with a callout box pointing to it that says "Navigate to a quad". Underneath is a green instruction: "List CNDDDB Species by selecting a tool below and clicking on the map". There are three tool options, each with an icon and an information icon: "Species in a Quad" (globe icon), "Species in 9 Quads" (grid icon), and "Species in a County" (map icon). A bracket on the right side of these three options points to a callout box that says "Generate potential species lists by various search areas". Below the tools is a section titled "View CNDDDB Quad Data by Species" with a text input field containing "--Species name--" and a callout box pointing to it that says "Type species name to see its data distribution by quad". At the bottom of the menu is a "Clear Highlights" button.

First select a search area; orange box will highlight selected tool

Selected quad

Results table

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status	Taxonomic_Sort
1 Animals - Amphibians	Rana boylei pop. 1	foothill yellow-legged frog - north coast DPS	AAABH01051	None	None	SSC	-	3912225	HOUGH SPRINGS	Mapped and Unprocessed	Animals - Amphibians - Ranidae - Rana boylei pop. 1
2 Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912225	HOUGH SPRINGS	Mapped	Animals - Birds - Accipitridae - Haliaeetus leucocephalus
3 Animals - Birds	Nannopterum auritum	double-crested cormorant	ABNFD01020	None	None	WL	-	3912225	HOUGH SPRINGS	Unprocessed	Animals - Birds - Phalacrocoracidae - Nannopterum auritum
4 Animals - Mammals	Perognathus inornatus	San Joaquin pocket mouse	AMAFD01060	None	None	-	-	3912225	HOUGH SPRINGS	Mapped and Unprocessed	Animals - Mammals - Heteromyidae -

List CNDDB Species for a Quad

This method allows you to view a list by quad of CNDDB-tracked elements for which the CNDDB received data. Click on this option and then click on the desired quad on the map. At the bottom of the page, a table will be generated that contains CNDDB-tracked elements for which there is CNDDB information on that quad.

List CNDDB Species for 9 Quads

This method allows you to view a list by quad of CNDDB-tracked elements for which the CNDDB received data. Click on this option and then click on the desired quad on the map. The selected quad and up to 8 adjacent quads will be selected. At the bottom of the page, a table will be generated that contains CNDDB-tracked elements for which there is CNDDB information on the selected quad and its adjacent quads. For this query, an element may be displayed multiple times, once for each quad.

List CNDDB Species for a County

This method allows you to view a list by county of CNDDB-tracked elements for which the CNDDB received data. Click on this option and then click on the desired county on the map. At the bottom of the page, a table will be generated that contains CNDDB-tracked elements for which there is CNDDB information within the selected county.

View CNDDDB Quad Data by Species

This method allows you to view a map with quad data for any CNDDDB-tracked element. Quad information for “Mapped” data and CNDDDB “Unprocessed” data will be displayed in different colors. If the element you have selected has a CNDDDB occurrence or SPOWDB positive observation on a particular quad, that quad will be displayed in purple. If the CNDDDB only has unprocessed data for an element on a particular quad, the quad will be displayed in light blue. Unprocessed data has not been quality-checked by CNDDDB staff and should be used with caution.



To use this tool, click in the text box provided and begin typing the scientific or common name of the desired element. As you type, CNDDDB-tracked elements will appear in a drop-down menu. Click on the species you wish to view quad data for. Directly under this tool, a summary of the information retrieved will be provided. Unlike the previous three tools, no tabular information is displayed at the bottom of the page.

Species mapped on this quad

Species info summary

Species not mapped on this quad, but unprocessed data exists

CNDDDB QuickView

User Guide | CNDDDB Home

--Zoom to a quad--

List CNDDDB Species by selecting a tool below and clicking on the map

- Species in a Quad
- Species in 9 Quads
- Species in a County

View CNDDDB Quad Data by Species

--Species name--

Hulsea californica (San Diego sunflower)

Found in: 23

Federal Status: None

State Status: None

CDFW Status: -

CA Rare Plant Rank: 1B.3

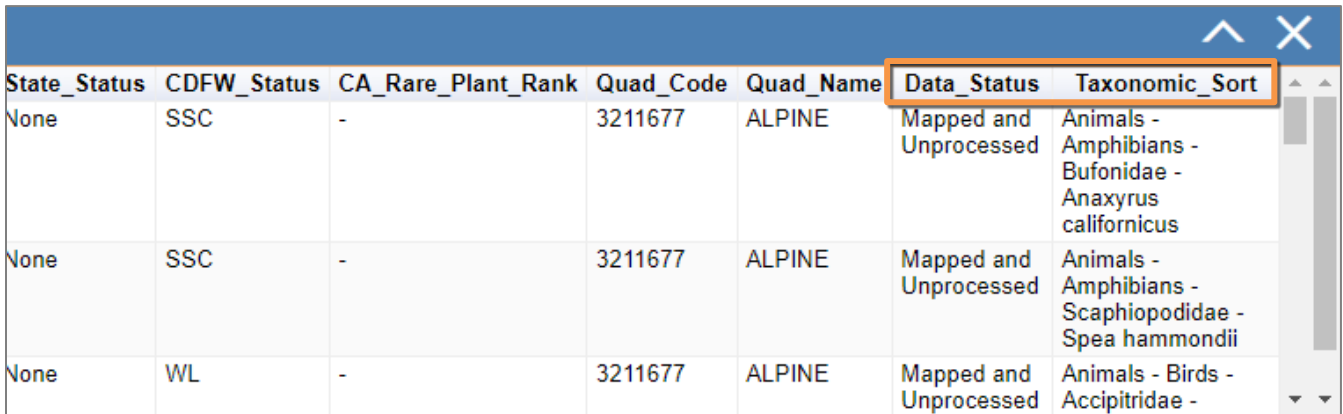
Legend: Mapped (Purple), Unprocessed (Light Blue)

Clear Highlights

SanGIS, California State Parks, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, Bureau of Land Management, EPA

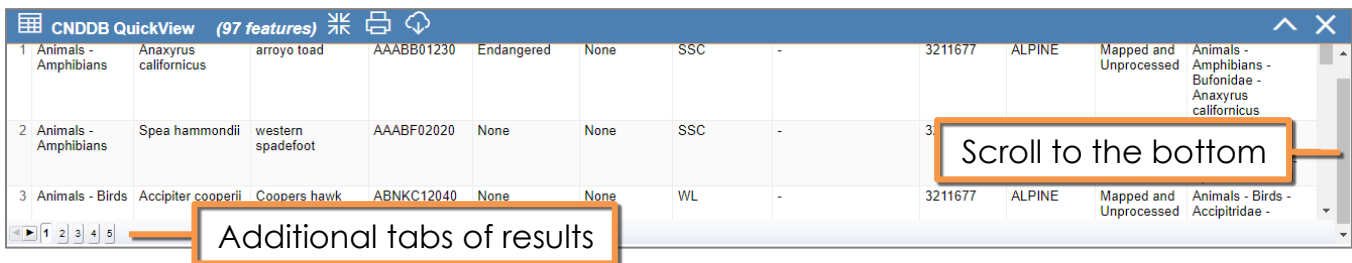
Results Table

After performing any of the first three CNDDDB QuickView Tool queries, a table of results will appear at the bottom of the page. Displayed along with the elements is some additional information on rarity status, quad, county, data status, and taxonomic sort order. The Data_Status and Taxonomic_Sort fields are discussed in more detail below.



State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status	Taxonomic_Sort
None	SSC	-	3211677	ALPINE	Mapped and Unprocessed	Animals - Amphibians - Bufonidae - Anaxyrus californicus
None	SSC	-	3211677	ALPINE	Mapped and Unprocessed	Animals - Amphibians - Scaphiopodidae - Spea hammondi
None	WL	-	3211677	ALPINE	Mapped and Unprocessed	Animals - Birds - Accipitridae -

Depending on the number of results returned, you may need to use the right scroll bar to scroll to the bottom to see additional tabs of results.



1	Animals - Amphibians	Anaxyrus californicus	arroyo toad	AAABB01230	Endangered	None	SSC	-	3211677	ALPINE	Mapped and Unprocessed	Animals - Amphibians - Bufonidae - Anaxyrus californicus
2	Animals - Amphibians	Spea hammondi	western spadefoot	AAABF02020	None	None	SSC	-	3211677	ALPINE	Mapped and Unprocessed	Animals - Birds - Accipitridae -
3	Animals - Birds	Accipiter cooperii	Coopers hawk	ABNKC12040	None	None	WL	-	3211677	ALPINE	Mapped and Unprocessed	Animals - Birds - Accipitridae -

Data_Status Field:

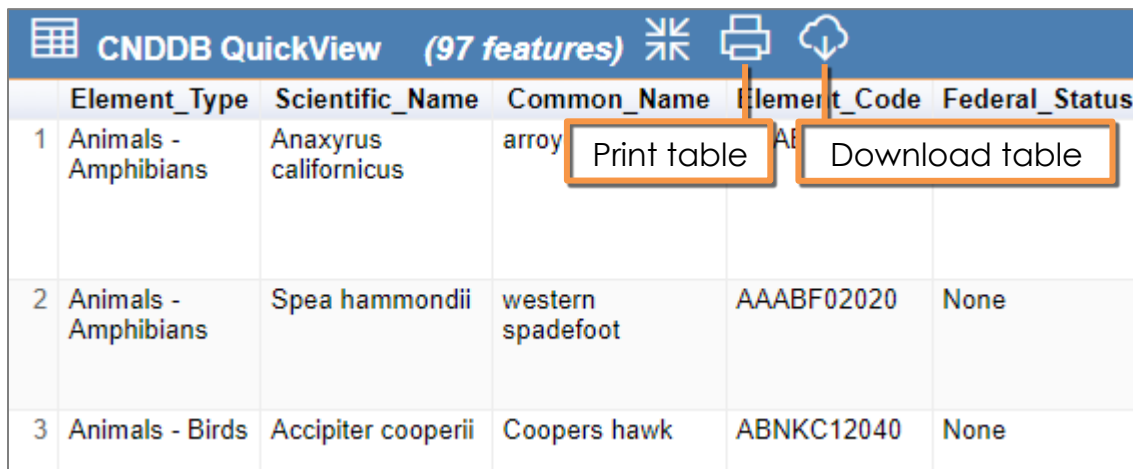
This field is used to indicate the status of the data on the selected quad or county. “Unprocessed” indicates that there is not currently any information from that quad/county for that element within the quality-controlled CNDDDB occurrence database, but there is unprocessed data at the CNDDDB waiting to be evaluated. “Mapped” indicates that there is currently information from the specified quad/county and element within the CNDDDB occurrence database or the SPOWDB. “Mapped and Unprocessed” indicates that there is both: information from the specified quad/county within the CNDDDB occurrence database and within the CNDDDB unprocessed data.

Taxonomic_Sort Field

This field is intended to show users how their results are being sorted. When a query is run with the CNDDDB QuickView Tool, the results are returned based on a taxonomic hierarchy so that similar organisms are grouped together (i.e. all birds are grouped together, all amphibians are grouped together, etc). By default, results are sorted alphabetically on this field. Users may re-sort the results alphabetically based on another field by clicking on its field header. It is important to understand though that the sorting does NOT carry over when printing or exporting the results. The sort order reverts back to the default.

Print and Export Table

Once a table of results is generated from any of the first three CNDDDB QuickView Tool queries, the user may print the table of results by clicking on the Print Table button, or export that information to a CSV file by clicking on the Download Table button.



The screenshot shows the CNDDDB QuickView tool interface. At the top, there is a blue header bar with the text "CNDDDB QuickView (97 features)" and three icons: a grid, a print icon, and a download icon. Below the header is a table with the following columns: "Element_Type", "Scientific_Name", "Common_Name", "Element_Code", and "Federal_Status". The table contains three rows of data. The first row is highlighted in blue. Below the table, there are two buttons: "Print table" and "Download table", both of which are highlighted with orange boxes. Arrows point from these buttons to the print and download icons in the header bar.

	Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status
1	Animals - Amphibians	Anaxyrus californicus	arroyo	AAABF02020	None
2	Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None
3	Animals - Birds	Accipiter cooperii	Coopers hawk	ABNKC12040	None

When you choose Print Table, a new browser tab will open. You may print this page using the print function in your browser. Return to BIOS by clicking on the BIOS Viewer tab.

When you choose Download Table, a CSV file should immediately download. Check your browser settings to find where the file gets downloaded on your computer.

As mentioned above, the sort order does NOT carry over when printing or exporting the results. However, the user may export the results to a CSV file and then use another program (such as Excel) to sort the results to suit their needs.

Disclaimer

The CNDDDB and the SPOWDB are actively managed and continuously updated databases. While the information is accurate to the best of our knowledge and ability, it does not constitute an official response from any state agency and will not in itself meet the requirements of the California Environmental Quality Act (CEQA). The information supplied is based on the material available at the time of the request and should not be regarded as complete data on the elements or areas being considered. The information must be used in consultation with the appropriate local, state and federal officials. Absence of data does not constitute the basis for a negative declaration. The CNDDDB QuickView Tool only provides quad and county location information for species tracked in the CNDDDB and the SPOWDB; more detailed information is available with a CNDDDB subscription which provides users access to the CNDDDB and the SPOWDB.