



[nrmaps.nt.gov.au](http://nrmaps.nt.gov.au)

## NR Maps User Guide

# NR Maps: N.T. Species Atlas

This guide describes how to view, explore, select and download data from the Northern Territory Species Atlas.

The Atlas consists of: Flora, Fauna, Sites of Conservation Significance and Sites of Botanical Significance

We recommend reading the Getting Started User Guide first.  
Click on the Help link on the top right of the NR Maps screen to access the Guide.

### Contact Us:

The NR Maps web mapping application is administered by the Spatial Data and Mapping Unit from the Department of Land Resource Management.

We encourage users to provide Feedback and help us improve NR Maps.

To send us an email, please click on the Feedback link, located at the top right of the NR Maps screen.

## Part 1. About the Species Atlas

### 1.1 What is the Species Atlas? (structure of the data)

The complete Species Atlas consists of 4 separate datasets:

- Fauna Atlas N.T. (points)
- Flora Atlas N.T. (points)
- Sites of Conservation Significance (polygons)
- Sites of Botanical Significance (polygons)

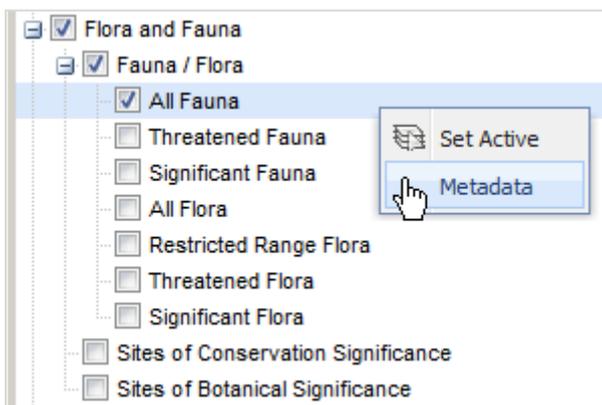
Each of these datasets has separate Metadata entry and a different attribute structure.

**IMPORTANT:** If you are not familiar with the Species Atlas, please read the Metadata first.

### 1.2 How the Atlas is displayed in NR Maps

Data becomes visible at scale 1:300,000 and closer. Above that scale, layers are grayed out. Zoom in.

Filters have been applied to display Flora and Fauna layers in different ways, according to selected attributes. Please read the Metadata to familiarise yourself with these attributes.



*All Fauna* displays all available data.

*Threatened Fauna* – THREAT2012 = 1

*Significant Fauna* – SIG2012 = 1

*All Flora* displays all available data

*Restricted Range Flora* – RESTRICTED\_RANGE = 'Y'

*Threatened Flora* – THREATENED2012 = 1

*Significant Flora* – SIGNIFICANT2012 = 1

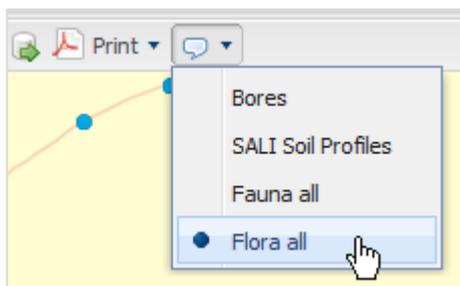
## Part 2. Viewing, examining and searching the Atlas data

### 2.1 Viewing the Atlas in the Map Window

Data points become visible at scale 1:300,000 and closer.

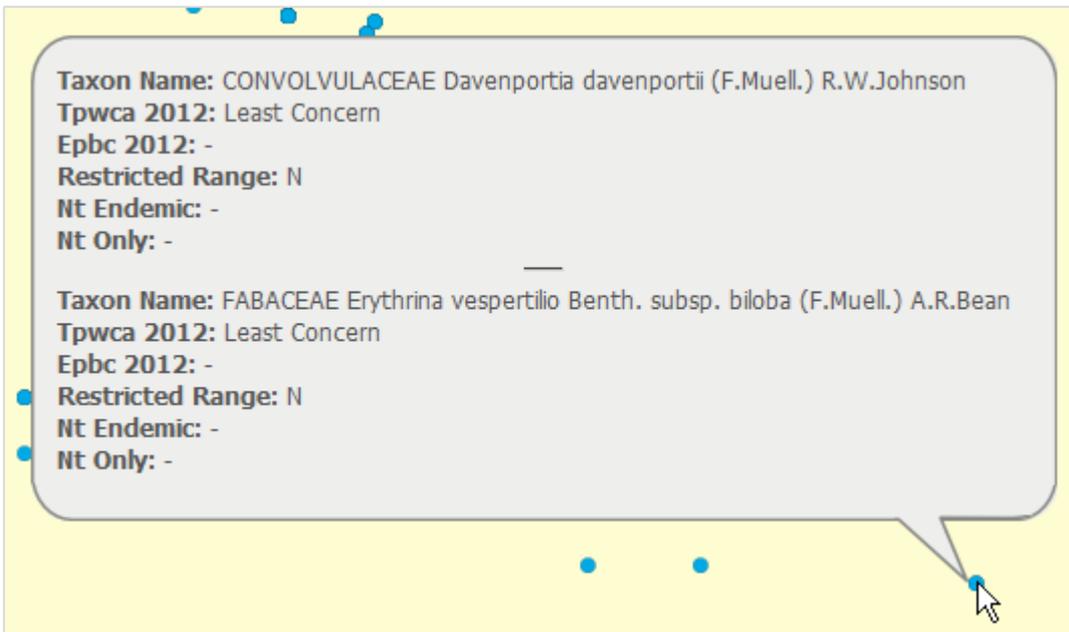
Labels become visible at scale 1:100,000 and closer.

If working between these two scales, it may be a good idea to activate the MapTips tool.



Hover the mouse over a data point to view the label.

If multiple points are clustered, multiple labels are shown. There are two points in the example below. Note that only selected attributes are displayed in this way.

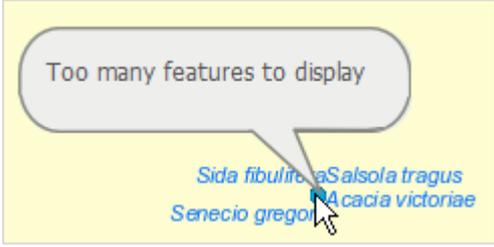


**NOTE:** Data points are often clustered – i.e. there may be ‘hidden’ points that will not be revealed even at closest possible scale.

In the example on the left it appears there are 4 points. Selecting the cluster reveals 26 points!

So... how to find out more about these mysterious invisible data points?

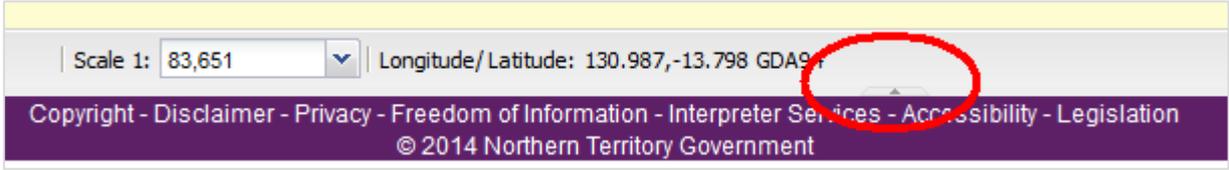
MapTip tool offers no help – too many features to display.



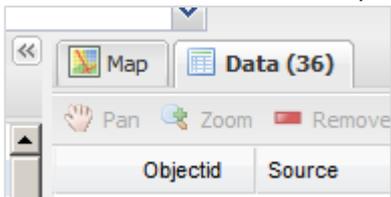
Viewing the table of attributes may be of help.

**2.2 Examining the Atlas in the Data Panel and Data Window**

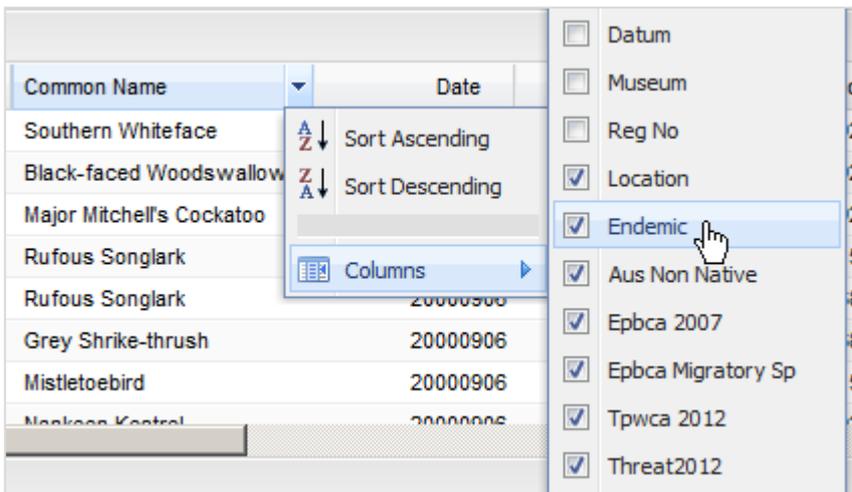
Data attributes can be viewed in the data panel at the bottom of the map screen, or in the data window. If the data panel is not visible at the bottom of the map screen, click on the **tiny tab on the border**. The size of the panel can be adjusted by dragging.



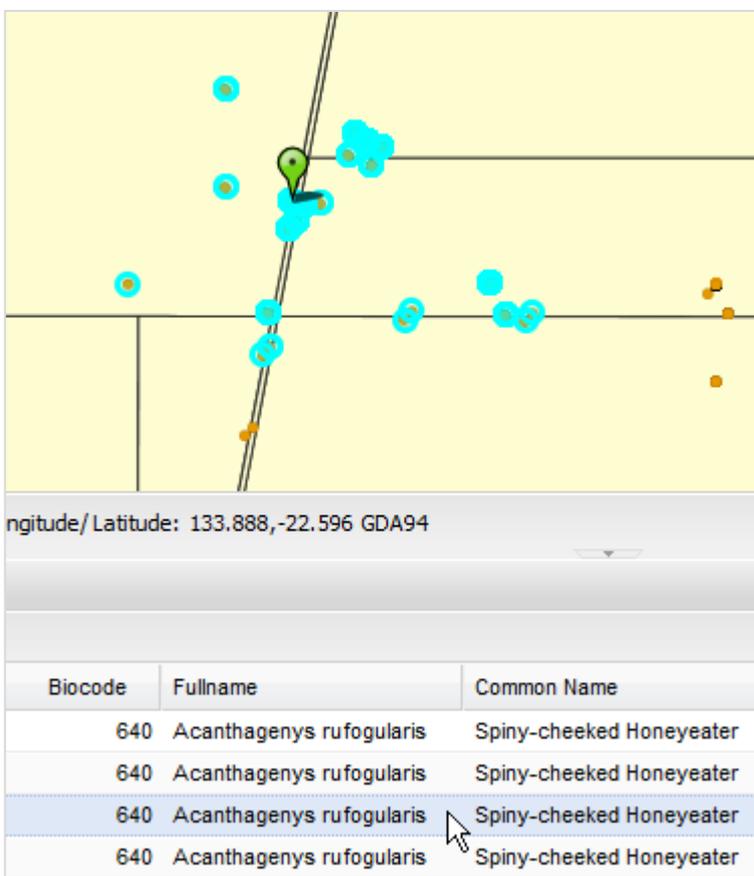
Click on the data tab at the top of the map screen to open the data window.



The data table (in both views) displays all available attributes (columns) by default. This setting can be changed. Columns can be turned on and off, and any column can be used to sort and filter the data. Initial setting to display 20 item per page can also be changed. Views in the data panel and data window can be customised independently.



Highlighting a table row places a **pin** on the associated data point. This is convenient when zoomed beyond label's visibility.

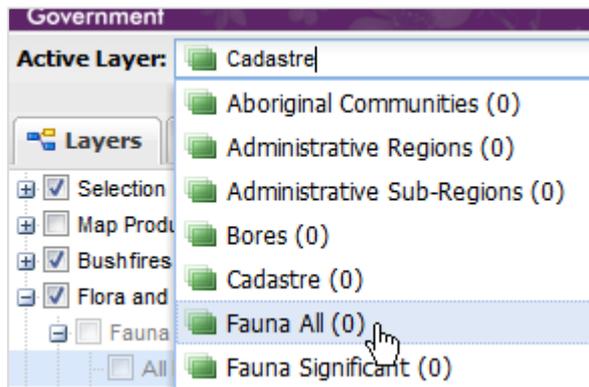


## 2.3 Searching by Species name

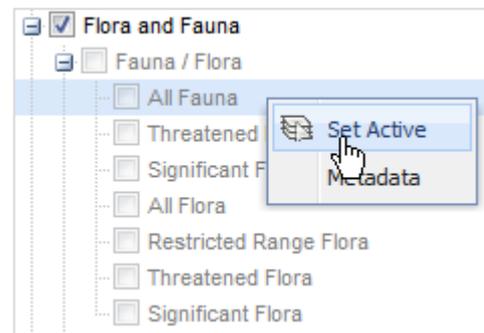
NR Maps offers detailed search (by text string) for some data layers. This search can be accessed from Search Tab.



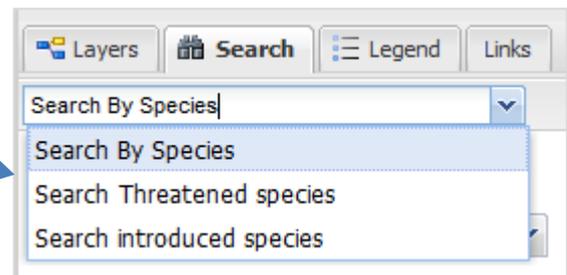
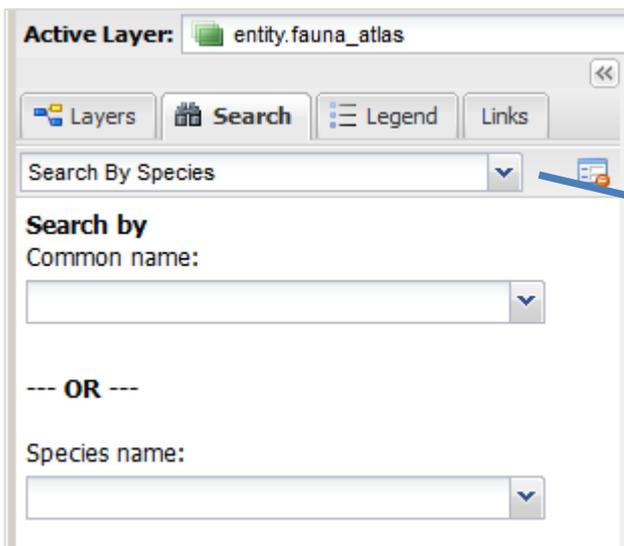
Search fields available depend on the active (searchable) layer. To use Search with Species Atlas activate one of its layers. Note that a layer can be made active even when, due to zoom scale, it is not visible. Let's activate layer **All Fauna** (either from pull down menu or by clicking right mouse button on the layer) and use it as an example.



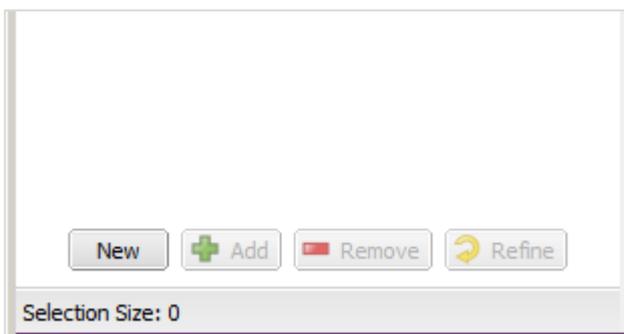
or



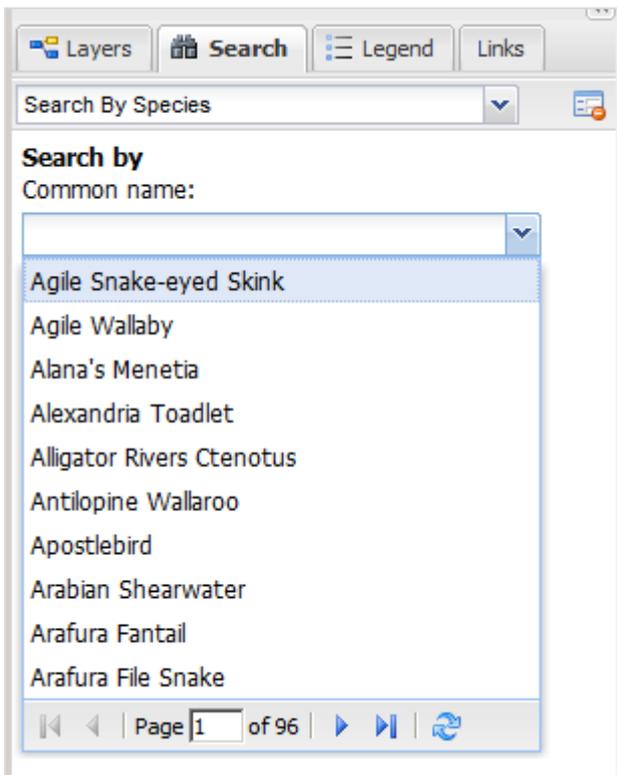
The first pull down menu – *Search By Species* – offers additional choices to narrow the search.



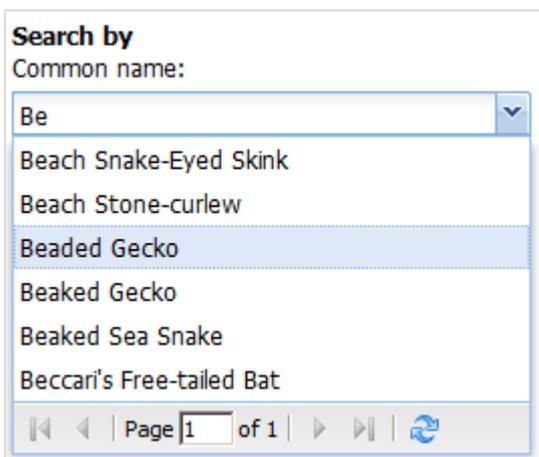
Note the buttons at the bottom of the search panel. These buttons become active when selection is made, allowing to refine and redefine the selection.



Pull down the *Common name* tab to unfold complete list of species.



Begin typing the name of the species you are searching for to narrow the list.



Let's use **Beaded Gecko** in this example. Select, then click at the bottom of the screen, on the button **New** to create new Selection. Note that:

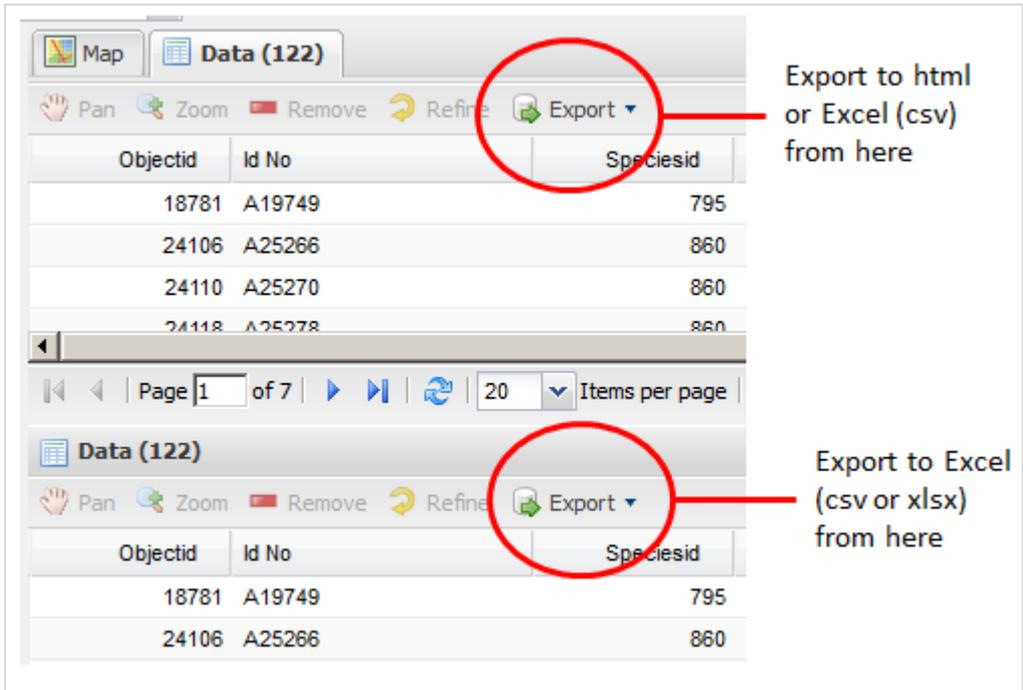
- map window zooms automatically to the extent of the selected data
- selected records are highlighted in bright cyan
- other data points may become visible (if zoomed inside visibility limits)
- other buttons at the bottom of search panel are now active and can be used to adjust the search parameters (for example adding another species to the selection)
- you can further examine, sort and filter the selection using the tools already described

## Part 3. Exporting and downloading

### 3.1 Exporting

Exporting saves the complete attribute table of selected items. It is not affected by visibility of columns or sorting, however it is affected by filtering. Only filtered records will be exported, as filtering changes the selection.

The exporting tool can be accessed from the Data screen (tab) or Data panel at the bottom.



Example:

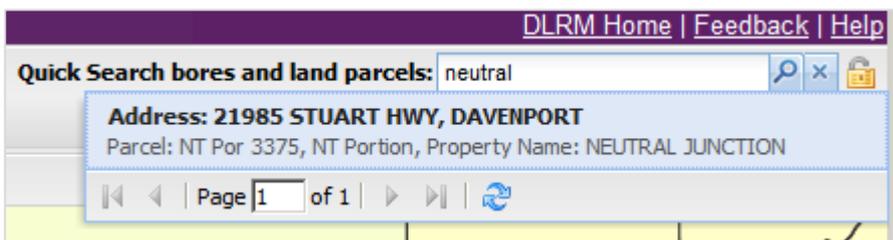
*"I want to export the table of attributes of all Flora data found on Neutral Junction pastoral property. I want to be able to examine this data in MS Excel."*

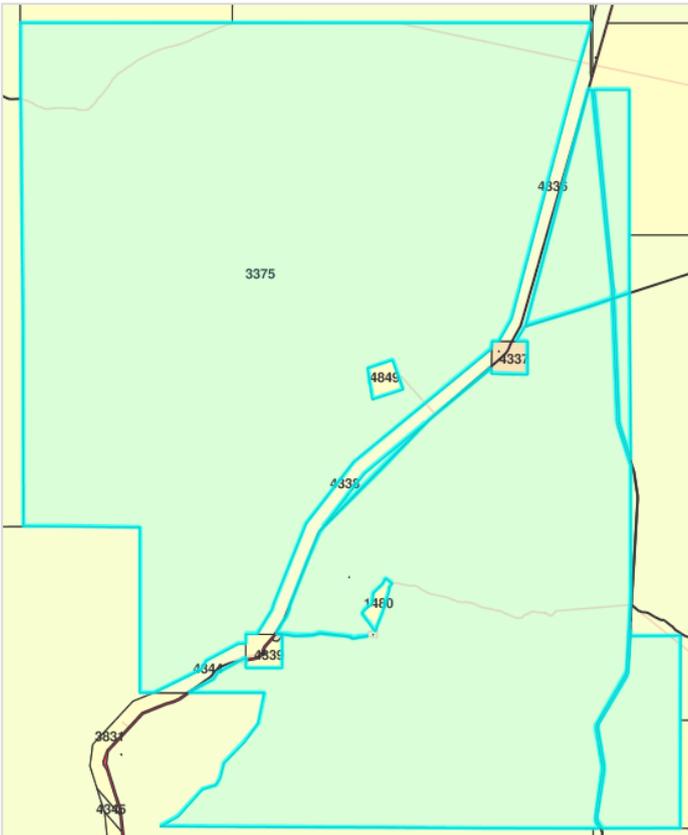
#### FINDING THE LOCATION:

Begin typing the name of the property in Quick Search window.

When the location appears in the search window, press Enter to complete the search.

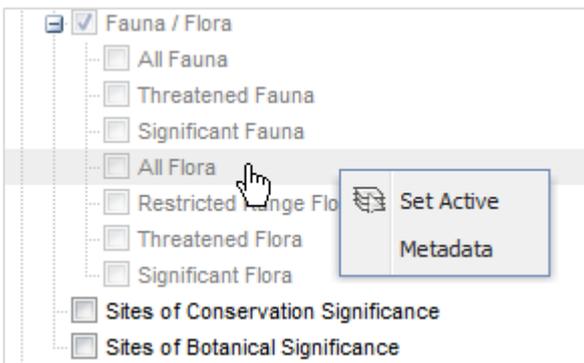
If multiple locations show in drop down list, click on the relevant record.



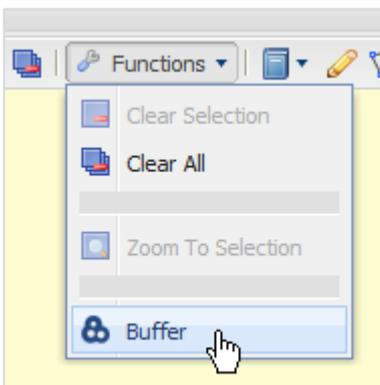


This search set the Cadastre layer active and Neutral Junction pastoral property is highlighted.

The zoom level is beyond the visibility of the Species Atlas. However, the Flora layer, even greyed out, can still be made active, ready for selecting and exporting.

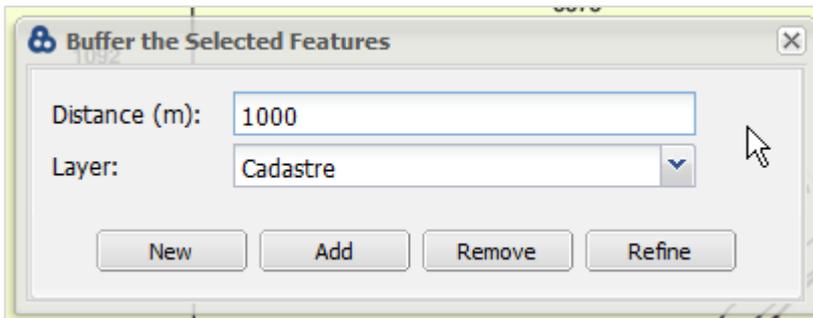


Use the Buffer tool to select all the Flora records that are within the Neutral Junction property.

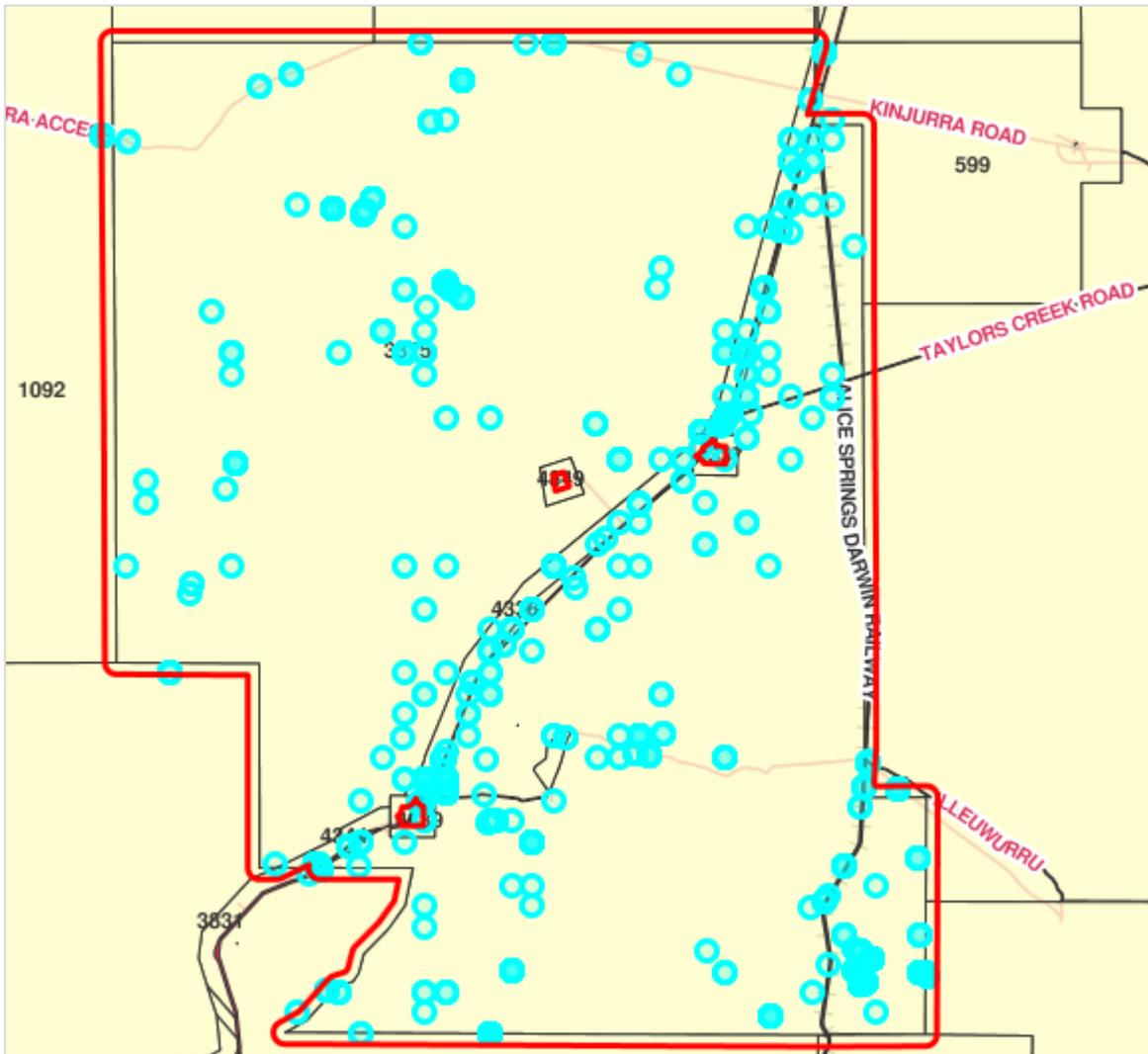


Enter the desired buffer. Leave blank for no buffer.

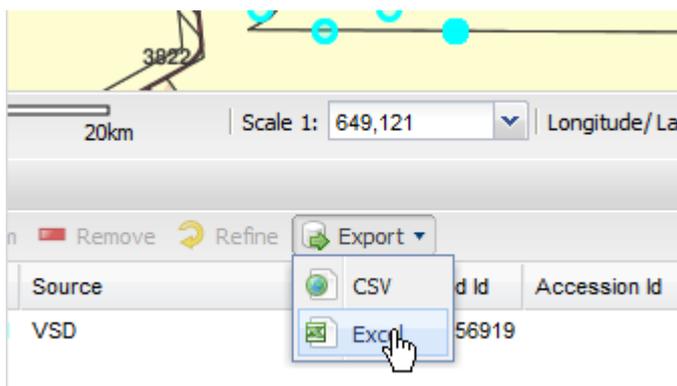
The example below sets the buffer to 1km (1000m). Click Add.

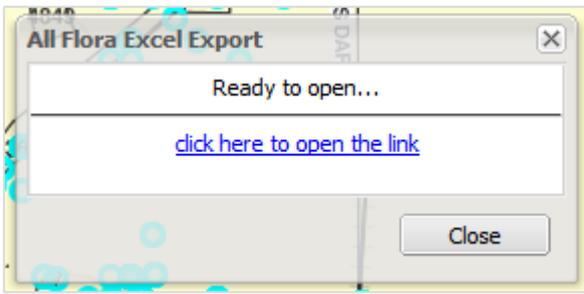


Selected Flora records are highlighted in bright cyan. The buffer is outlined in red.

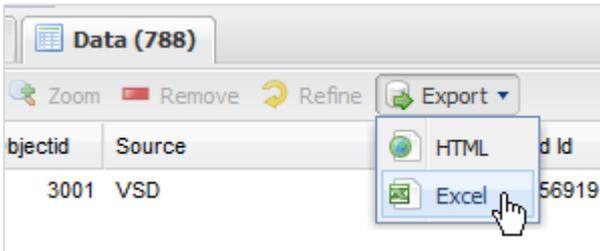


Select the desired format and open the table in MS Excel.





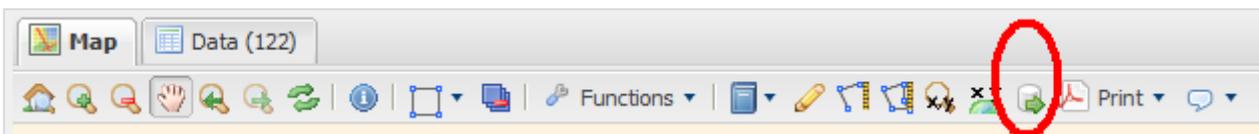
The data export tool is also available from the Data tab. The options offered are HTML and Excel (CSV).



### 3.2 Downloading

- The download tool becomes active when zoomed closer than 1:550,000.
- The extents of data available to download is limited to the extents of the map window at the time of download.
- **IMPORTANT:** The visibility of the data doesn't affect the ability to download.  
Example: Your area of interest lays at scale 1:400,000. At that scale, the download tool is already active, but the visibility of the data is not (data becomes visible at 1:300,000). You will still be able to download the data.
- If you require a larger clip of the data (beyond 1:550,000) or the complete dataset, please contact the Data Request Officer by phone (08) 8951 9216 or email: [datarequests.DLRM@nt.gov.au](mailto:datarequests.DLRM@nt.gov.au)

The downloading tool, accessible from the menu bar in the Map Window, allows users to save data in several spatial formats – ESRI shapefiles, Mapinfo TAB or dxf (for CAD programs).

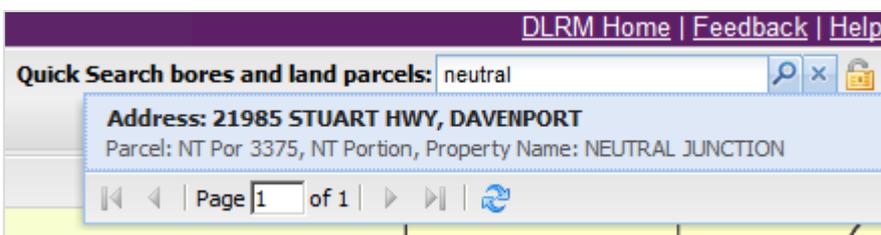


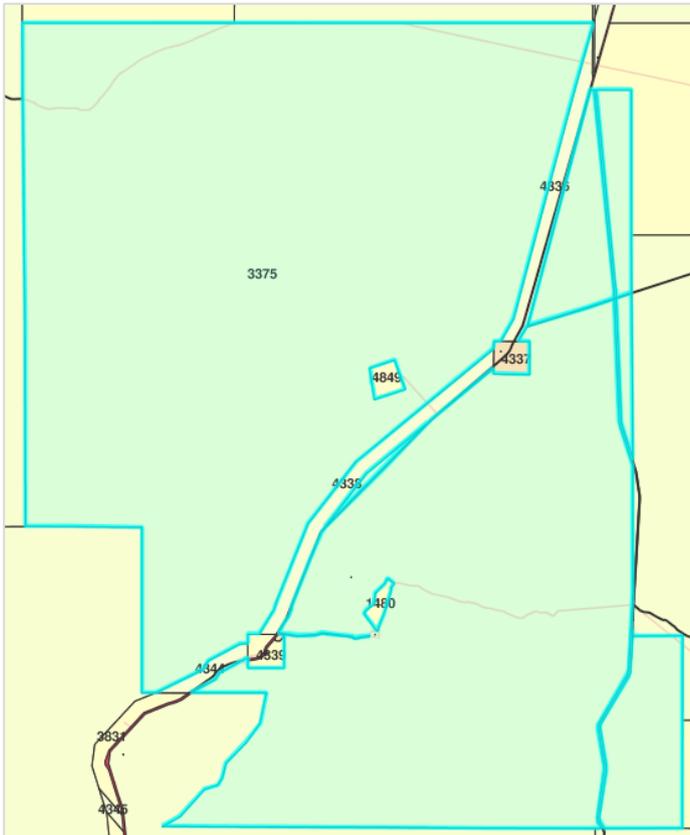
Example:

*"I want to download shapefile of all Flora and Fauna data found on Neutral Junction pastoral property."*

FINDING THE LOCATION:

Begin typing the name of the property in the Quick Search window. When the location appears in the search window, press Enter to complete the search.





This search has set the cadastre layer as active.

The highlighted polygon of Neutral Junction pastoral property is shown above.

The zoom level is beyond the visibility of the Species Atlas. However, the data can still be downloaded!

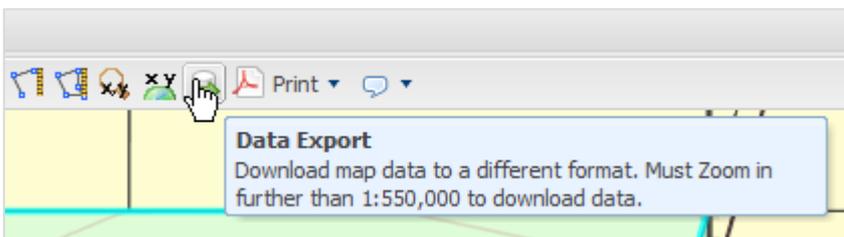
Adjust the zoom level if you wish to add a buffer around the property.

Do not zoom beyond the 1:550,000 scale.

If the data panel at the bottom is visible, click it away, to maximise the size of map window.

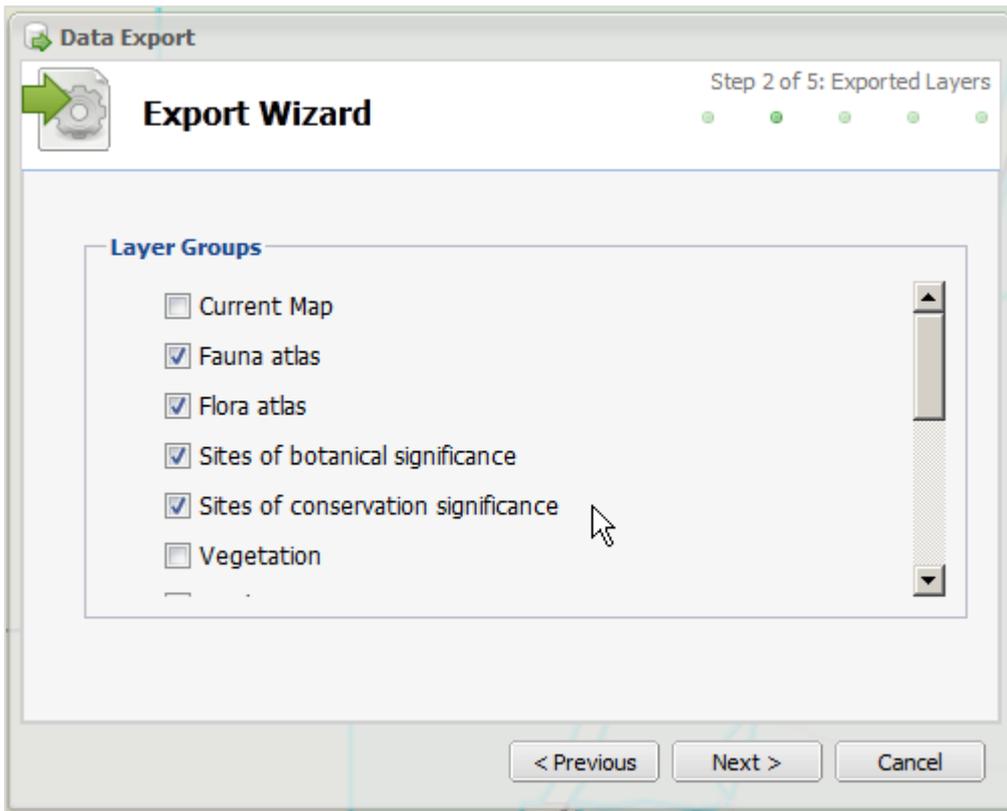
**Top Tip!! Click on F11 to maximise the screen display.**

Click on Data Export.

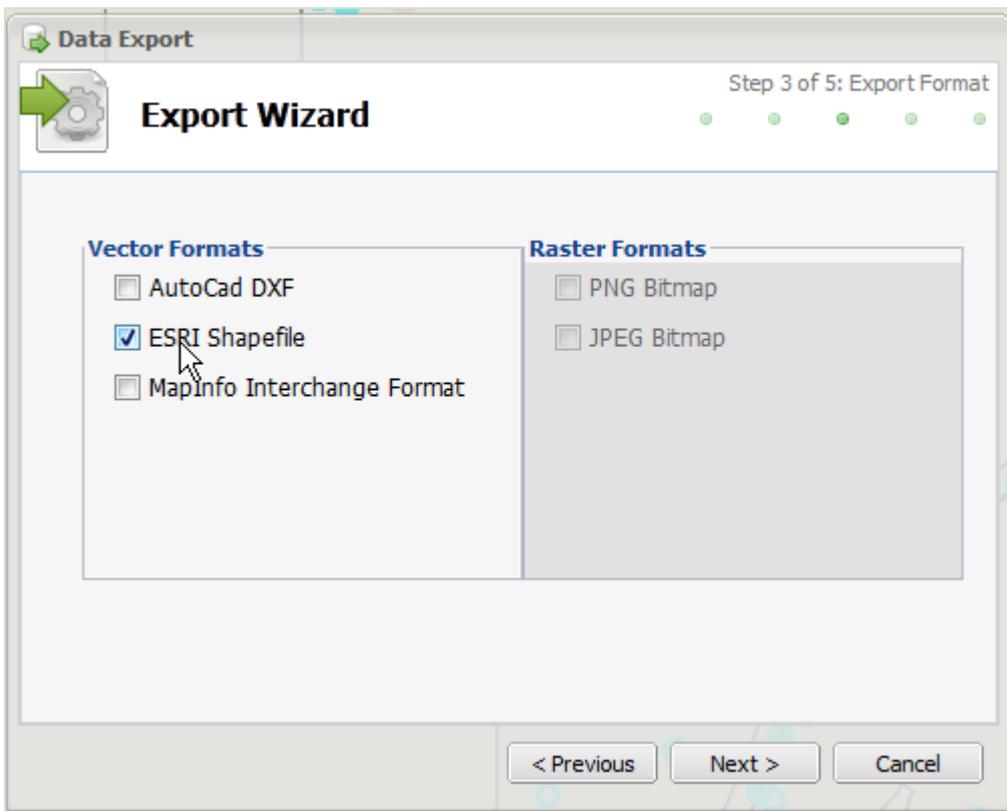


**Step 1** - Please read the instructions, including the Conditions of Use.

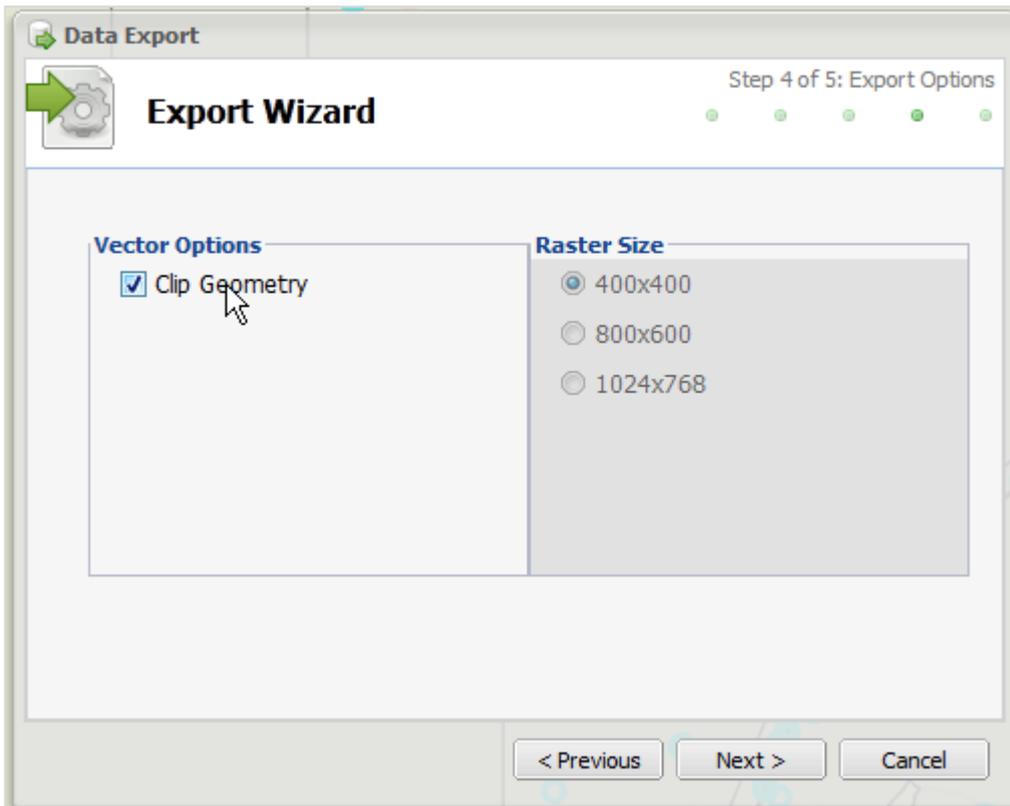
**Step 2** – Select the data layer groups.



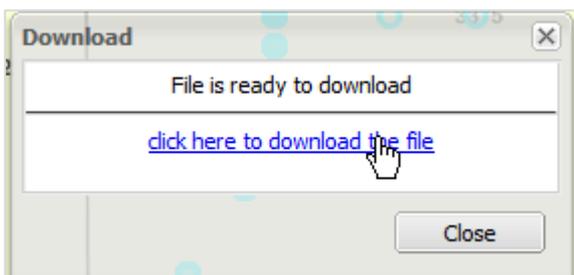
**Step 3** – Select the desired format.



**Step 4** – Geometry clipping is relevant to exporting polygon data. Leave unchecked if in doubt.



Click to download the zip file to your computer.



Many of the functions described in this guide may be applicable to other data layers in NR Maps.

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Please help us improve NR Maps. If you have any questions or comments, send an email using the Feedback Link located at the top right of the NR Maps screen.