

Environment Online

Reference guide – Interactive Map

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Government of **Western Australia**
Department of **Water and Environmental Regulation**

Summary

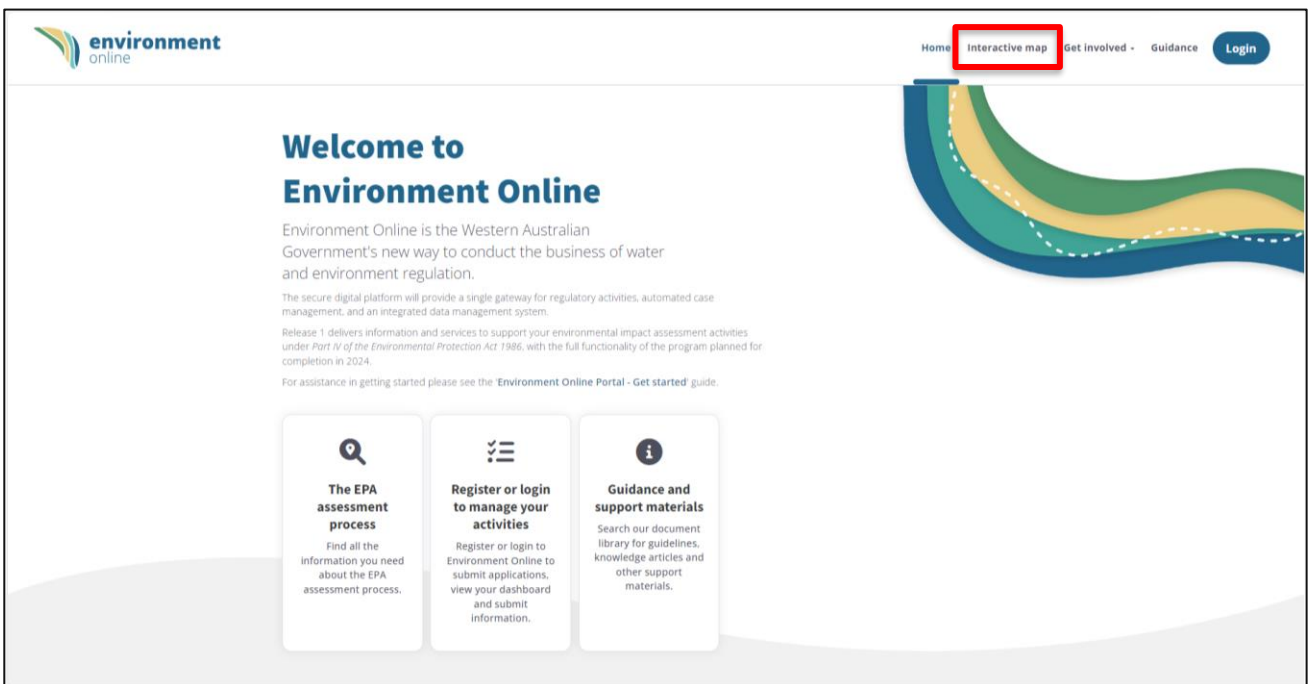
This reference guide provides instructions on how to access and use the interactive map within Environment Online.

The interactive map helps you find information, plan your project, and upload files.

Access the Interactive Map

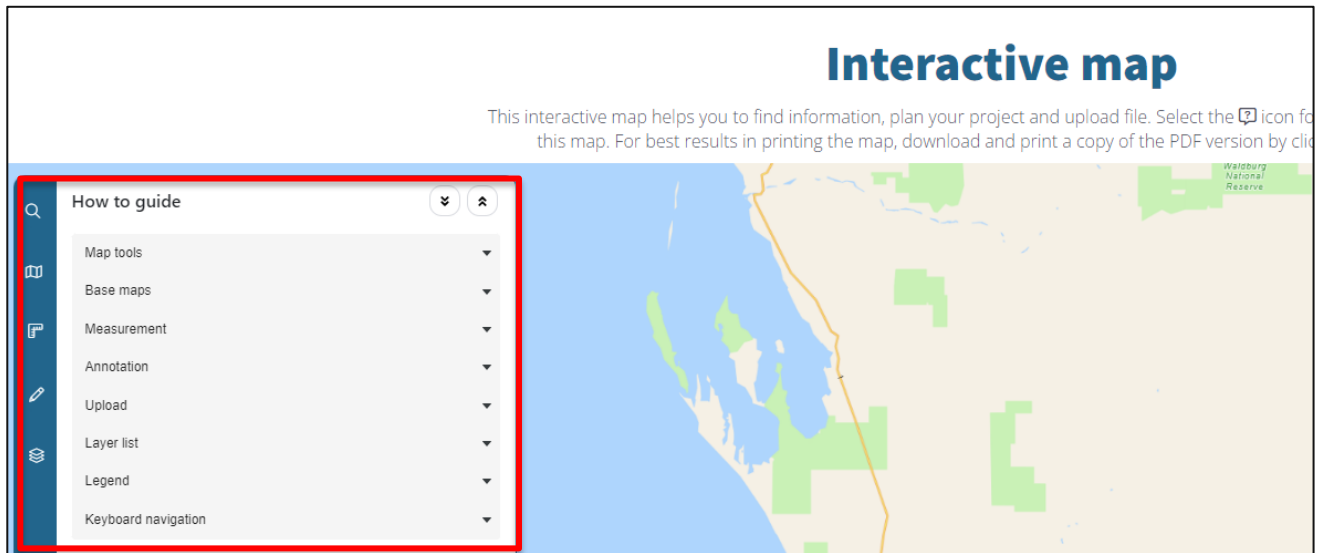
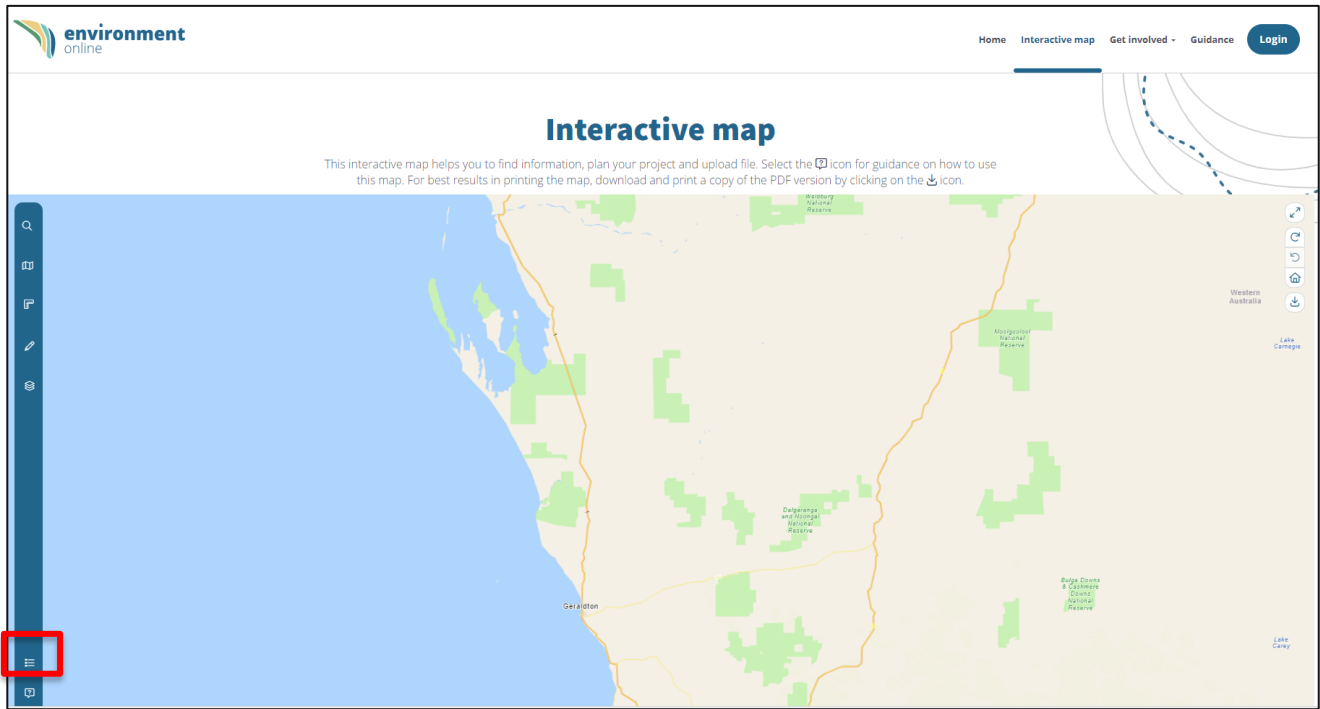
You do not need to be logged in to Environment Online to use the interactive map. Once you are logged in, you will be prompted to use the map during the submission of an application or proposal.

The interactive map can be accessed by opening Environment Online and clicking on the **Interactive map** option.



Note: The Interactive map will display

Clicking on the **question mark** icon, it will display the **How to guide** that contains information on how to use the map.

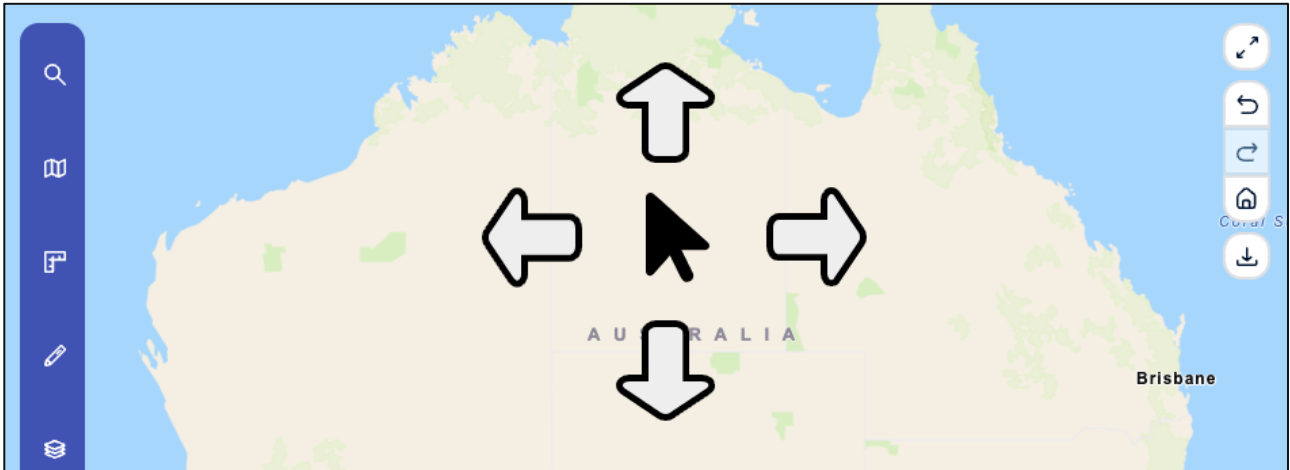


Map Tools

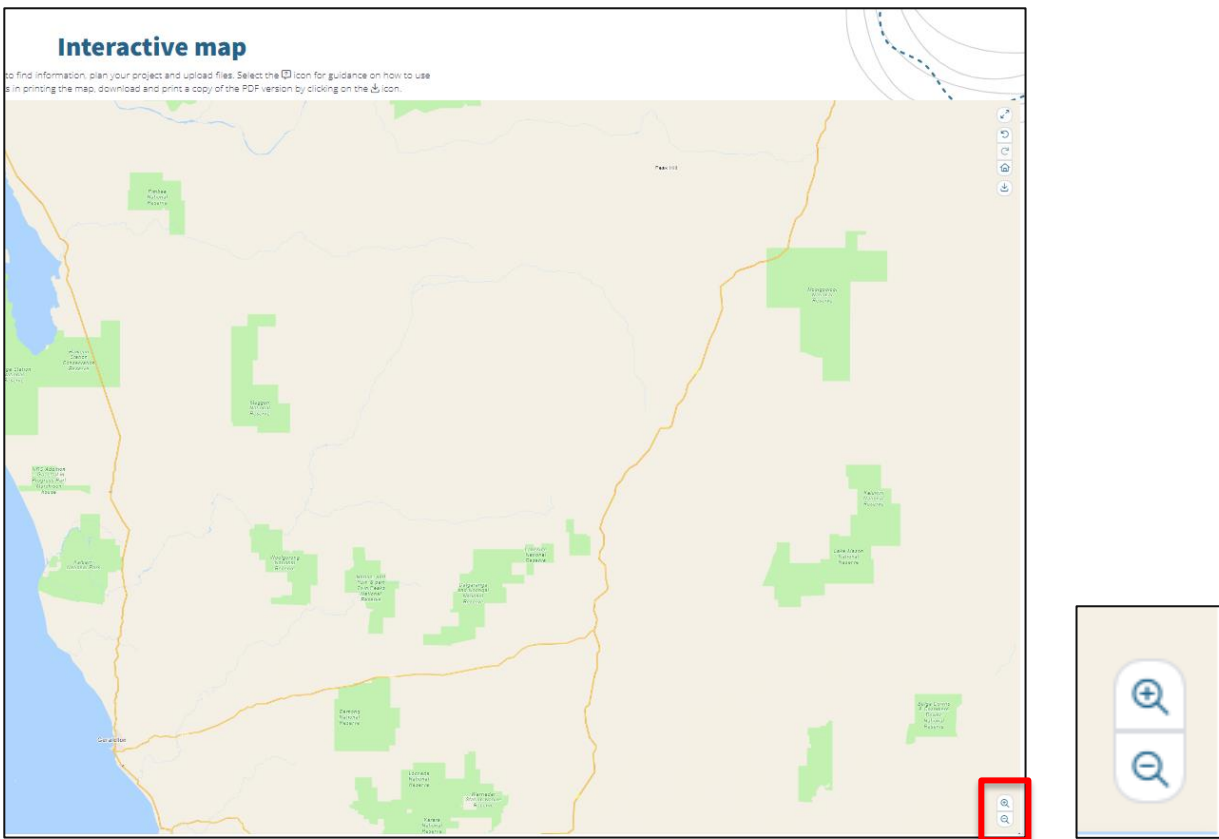
Navigation

The interactive map supports panning, zooming in/out, navigating through extents, and downloading a PDF version of the map. This guide may be updated as elements are configured, added, or removed.

To move around the map, click and hold your mouse anywhere on the map and drag.



To zoom in/out, use the two buttons on the bottom right (displayed as **magnifying glass** icons) or use the mouse scroll function.



To view the full screen, click on the Toggle full screen button shown below. This experience is recommended for smaller screens.



The extent navigator consists of the three buttons below the full screen button. Each time the map is dragged, or the zoom level changes, the viewport of the map is captured. These controls enable the ability to jump back and forth across these viewports.

The next extent button will take you to the next saved viewport (If applicable. It will enable once you use the previous extent button).

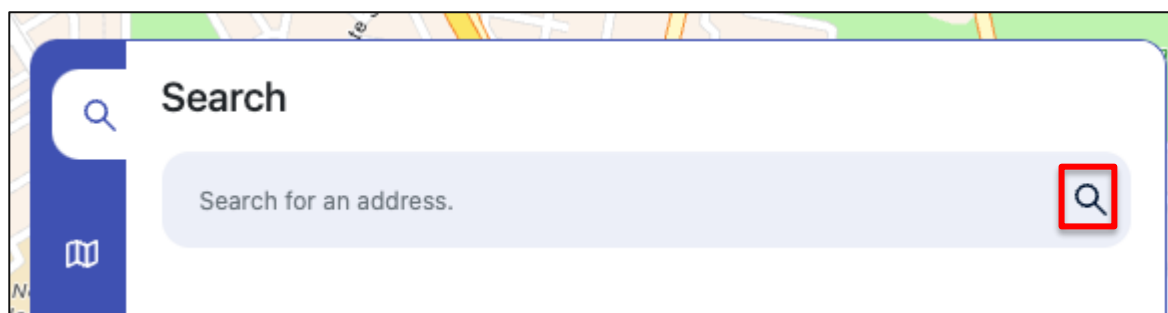
The previous extent button will return you to the previously saved view (If applicable).

The home button will return you to the original viewport when the map was first loaded.

The last button in the list will trigger a download of your current view on the map in a PDF version.

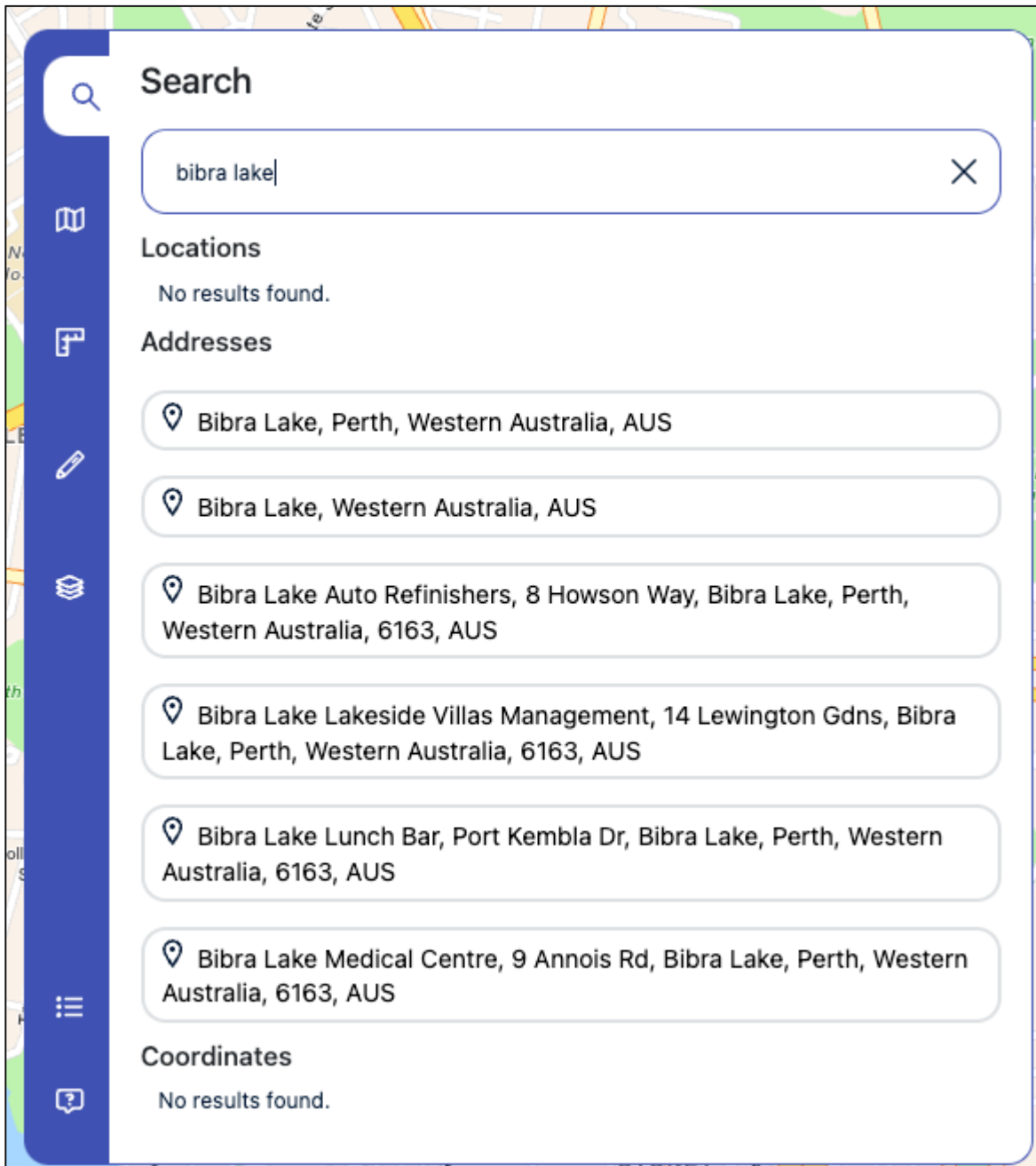
Searching

This Search tool allows you to search for an address, location, or a set of coordinates (Latitude and Longitude).



Enter your search criteria and press the **Enter key** on your keyboard or click on the **magnifying glass** icon to perform a search. Please wait while a list of suggested locations are found.

Click on the desired location and the map will place a marker on that location and zoom in on it.



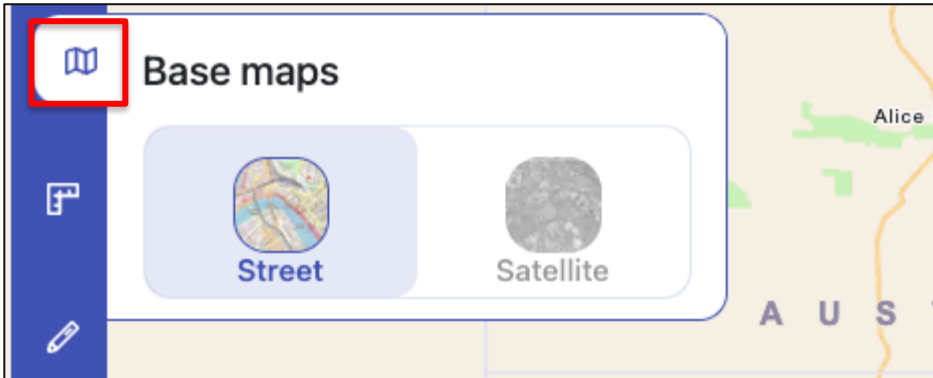
The desired location will be displayed on the map.



To cancel or remove the marker, click on the cross icon that replaces the magnifying glass after selecting a suggested location.

Base Maps

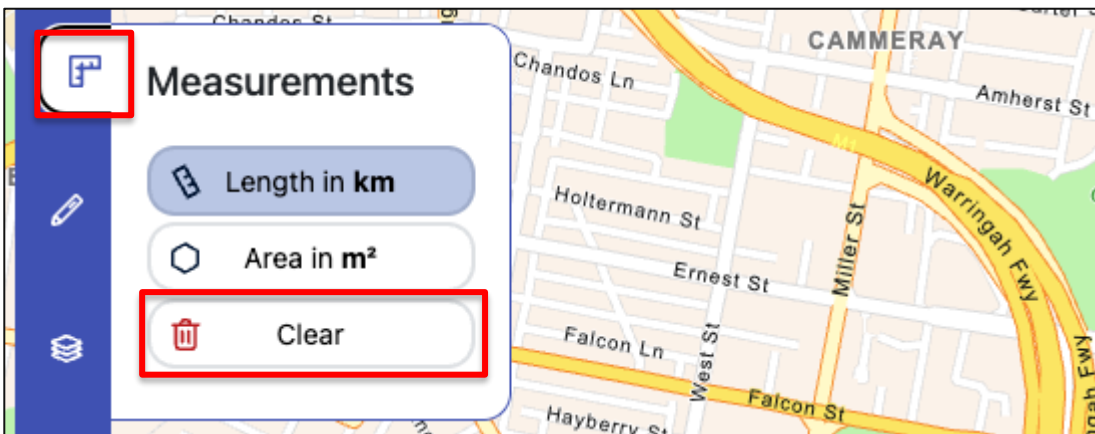
This tool allows you to switch between a street and a satellite base map view.



Measurement

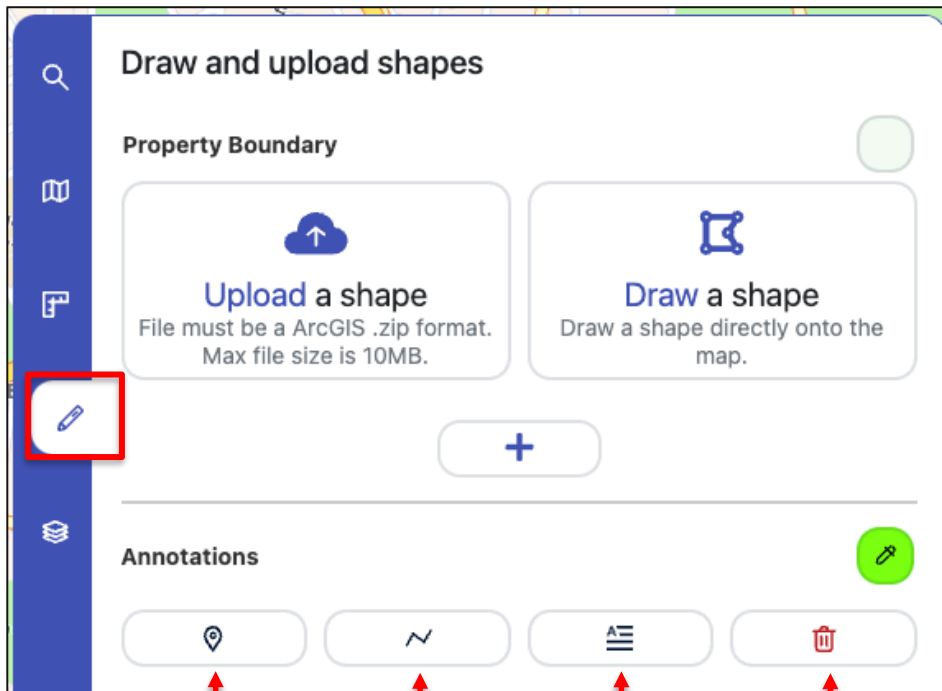
This tool allows you to draw lines and polygons specifically for measurement. Items drawn using this tool have specific styling to identify them more easily.

To delete all measurements, select the red **Rubbish bin/Clear button**.



Annotation

This tool allows you to draw markers, lines, and text.



Draw a point Draw a line Draw some text Delete an annotation

Draw a point - Select the first icon to activate the tool, then click on any location within the map to position your point.

Draw a line - Select the second icon to activate the tool. Click anywhere on the map to start your line. Once the starting point is placed, move your mouse to a different location within the map and click again to place the end of the line. By clicking only once, you can continue to add points to your line. To stop adding to your line, double-click on your final location.

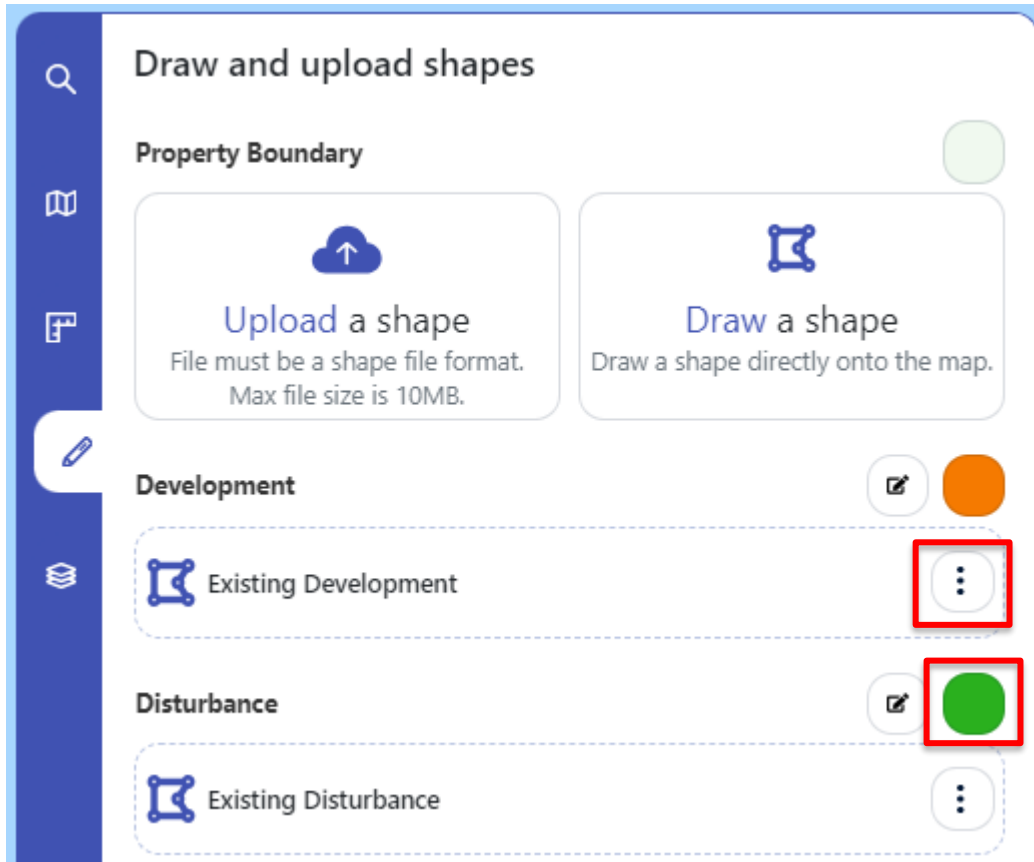
Draw some text - Click the third icon to activate the tool, click anywhere within the map, this will allow you to end text, click 'add' to complete the process.

When selecting an annotation tool, you can cancel drawing/placing it by re-selecting the same annotation tool. If you have already started drawing and wish to cancel then you can press the Escape key on your keyboard.

To delete an annotation, select the red Rubbish bin icon. You will be presented with a confirmation message. Once an item is deleted the delete tool is disabled.

Upload

This tool allows you to submit shape files or manually drawn polygons.



To upload a shape file you can either drag and drop your file directly into the **Upload a shape** control or click on **Upload a shape** to select your file.

Once a file has been uploaded the control will change to display the file name.

Next to the title of each upload control is a three-dot icon. Click on the eye icon within the three-dot menu to toggle the visibility of each set of shapes. Visibility does not affect submission.

Next to each upload control, there is a colour picker that allows you to apply styling to each shape.

To draw a shape instead click **Draw a shape**. The same logic from annotations applies to cancelling the drawing. If upload/draw is available, you can only provide one of each.

You can remove the shape by clicking on the **Delete shape** icon located within the three-dot menu next to the file name.

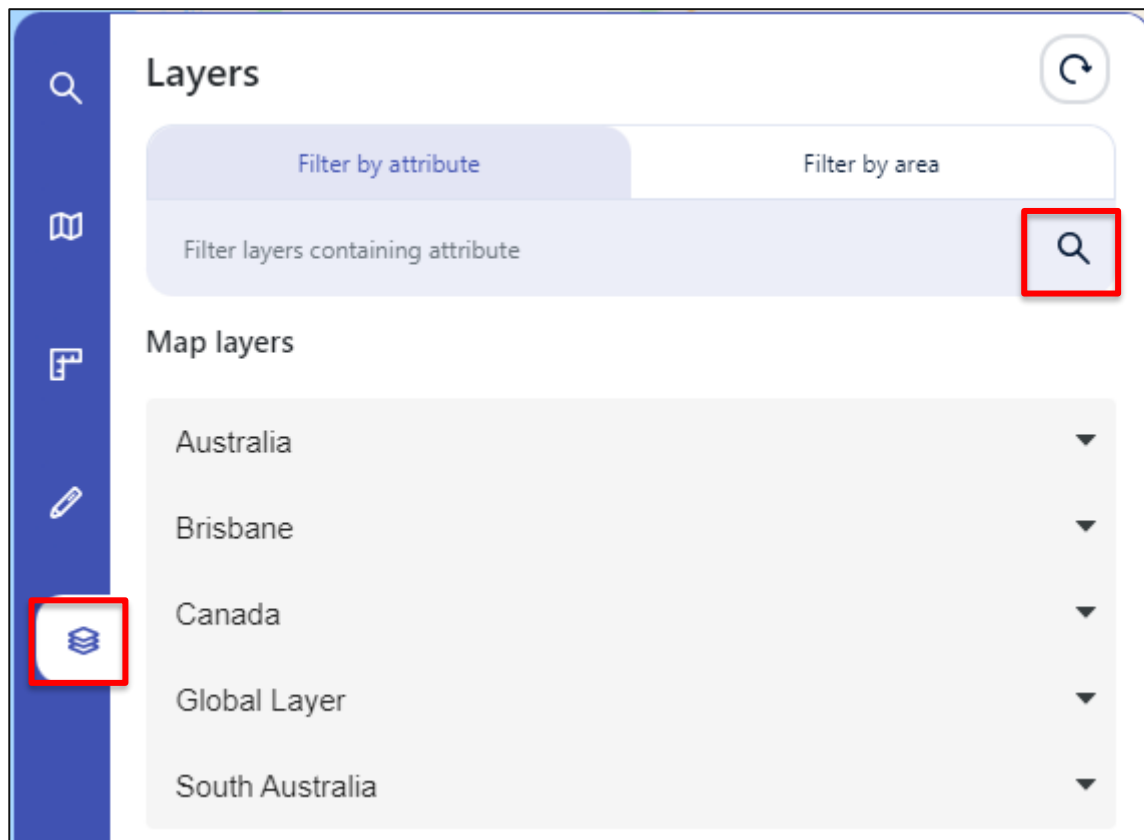
Supported file formats are:

- Esri Shapefile (ZIP)
- KML
- KMZ
- GeoJSON

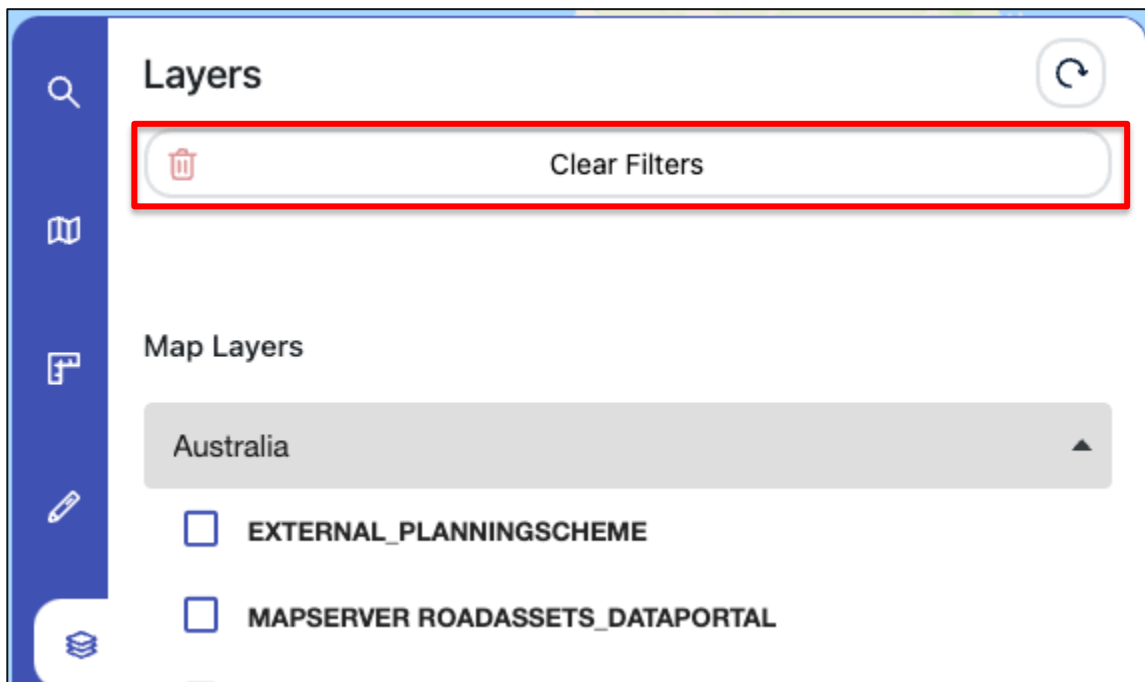
Layer List

This tool allows you to search and toggle layers.

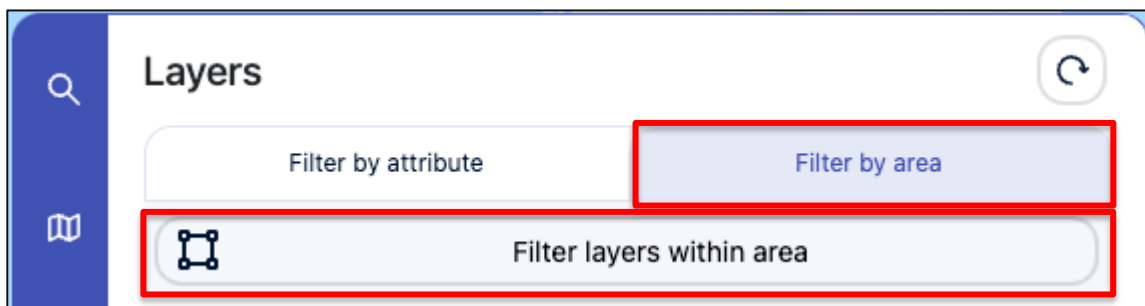
To search layers by attributes, enter any value from a layer's metadata and press **Enter** on your keyboard or click on the **magnifying glass** icon.



It may take some time to list the layers matching the search text. You can clear the results by clicking on the **Clear Filters** button, which will list the original records.



To search layers by drawing, click on the **Filter by area** tab then click on the **Filter layers within area** button. This will allow you to draw a rectangle on the map. Once you have finished drawing the rectangle it may take some time to list the layers matching the rectangle's area. You can clear the result by clicking on the **Clear Filters** button, which will list the original records.

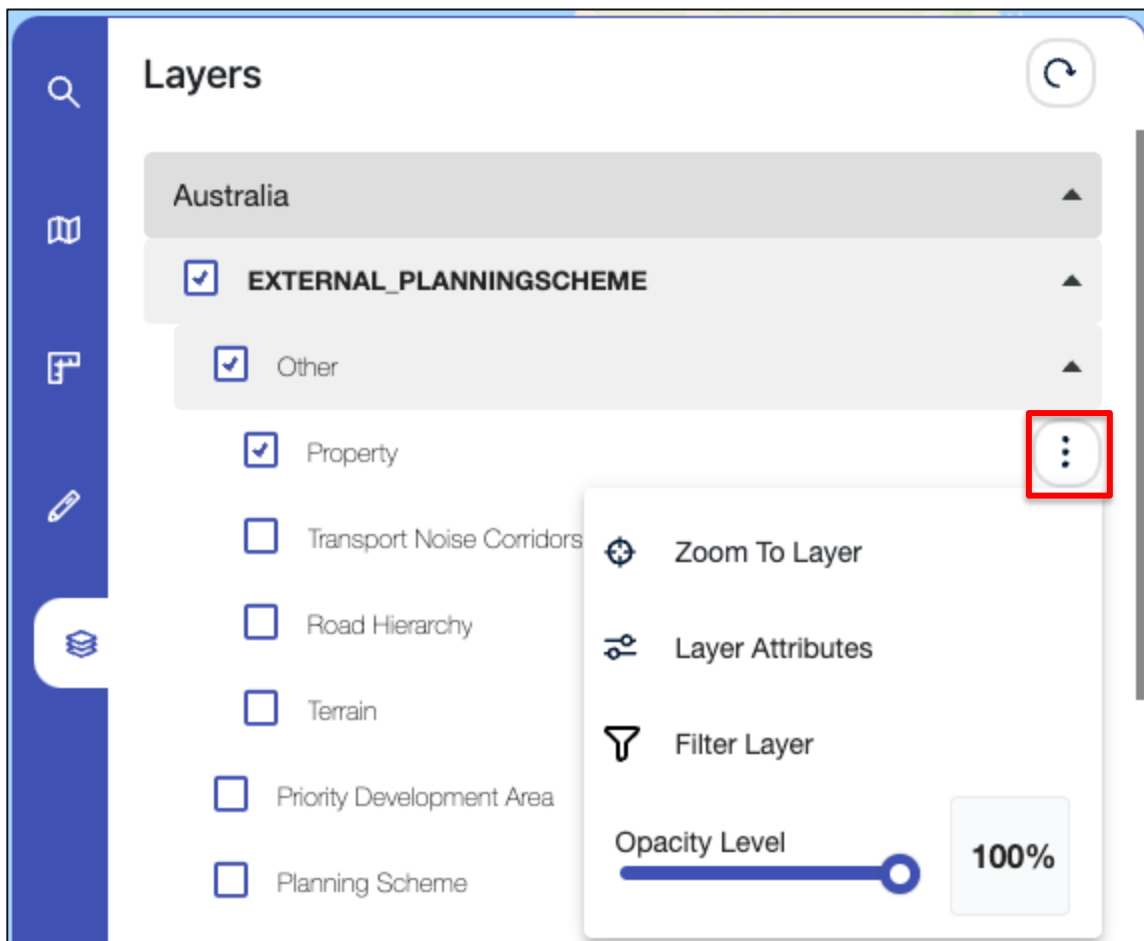


To toggle between layers, expand the group dropdown list to display the layers available.

Click on a **checkbox** to turn on the layer. If the layer has children, then sub-layers will display with additional checkboxes.

Click on the **three-dot** icon on a parent layer to zoom in to the extent of the whole layer.

Pressing on the **three-dot** icon on a sublayer will allow you to zoom to the extent of the sublayer, show layer attributes, filter by attribute (available on some layers), and change the opacity level.



Layer Attributes

Selecting layer **Attributes** from the three-dot menu will render a table on the bottom of the screen containing all the features within the layer. Depending on the amount of data, loading this table may take some time. During loading you can click on the cancel button which will display the currently loaded data.

In this table, you can perform the following:

- Click on individual rows to highlight and zoom in on a particular feature.
- Use the checkbox to select one/multiple/all features and then click on the pin icon to highlight and zoom it to the selected features.
- Use the checkbox to select one/multiple/all features and then click on the document icon to export attribute data to a CSV file.
- Use the polygon icon to draw a polygon on the map which will select all features within the boundaries of your drawn shape and filter the table down.
- Individual column filtering as well as global table filtering.

To minimise the attribute table, click the **Attribute** table header.

To expand and collapse the attribute table click the **arrow** icon.

To close the table, use the **cross** icon located on the right side.

<input type="checkbox"/>	OID ▾	GID ▾	SITE CODE ▾	SITE TITLE ▾	SHORT NAME ▾	SITE COMMO ▾	
<input type="checkbox"/>	1	89938990	S0000001	Pieces of Eight - Admiral Hill	Pieces of Eight	Au, Ag	I
<input type="checkbox"/>	2	89935889	S0000002	Albury Heath	Albury Heath	Au, Ag	I

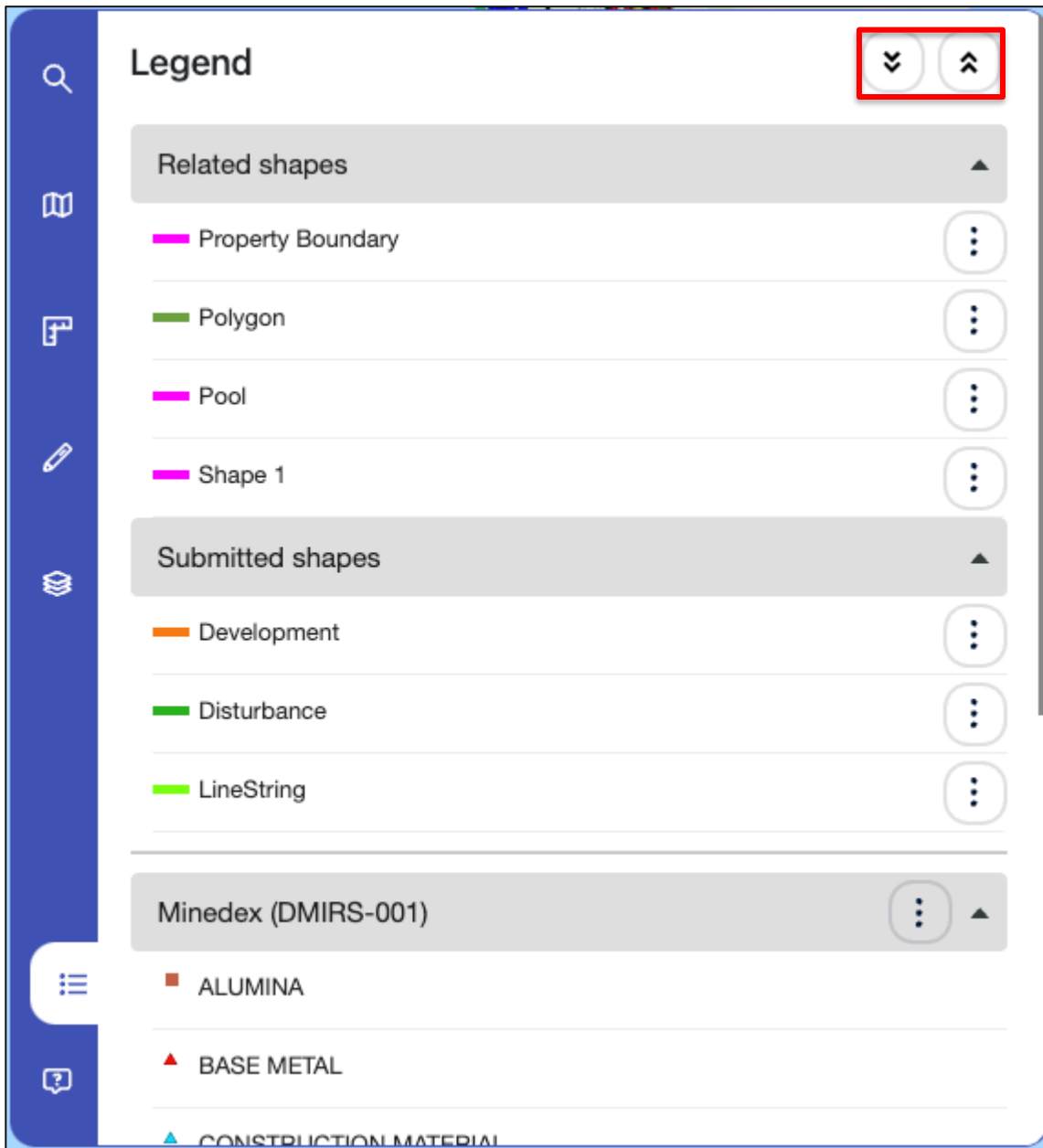
Layers can also be interacted with by clicking on a feature with your mouse/tapping on the screen. Clicking on a feature will display an attribute pop-up.

Attribute Name	Attribute Value
oid	1
gid	89938990
site_code	S0000001
site_title	Pieces of Eight - Admiral Hill
short_name	Pieces of Eight

Legend

This tool provides a styling guide on all elements rendered on the map (layers and uploaded/drawn shapes).

You can individually collapse/expand legend entries or use the **Expand All** and **Collapse All** buttons.



Keyboard Navigation

The Interactive map application supports keyboard navigation to make it more accessible for users. Use the following keys to navigate throughout the app.

Tool Bar

- 'Tab' key to navigate between the toolbar buttons and menus.
- 'Spacebar' or 'Enter' key to interact with the selected control.

Layer List

- 'Tab' key to navigate between the different collapsible panels and their child items.
- Arrow keys to navigate between the collapsible panel headers.
- 'Spacebar' or 'Enter' key to open a selected panel.
- 'Spacebar' keys to enable the selected layer or open the layer options menu.
- Arrow keys to navigate the layer option menu items, and the 'Spacebar' or 'Enter' key to interact with the selected item.
- 'Escape' key to close the layer options menu.

Layer Attributes

- The Layer Attributes table can be opened from the layer options menu.
- 'Tab' key to navigate between the table controls, rows, and cells.
- 'Enter' key to sort a column when you have the column header selected.
- 'Spacebar' or 'Enter' key to open the selected column filter.
- Arrow keys key to change the filter options and the 'Tab' quick to navigate between the controls.
- 'Spacebar' or 'Enter' key to interact with the filter controls.
- 'Escape' key to close the filter menu.

Layer Filters

- The Layer Filters modal can be opened from the layer options menu.
- 'Tab' key to navigate between the controls.
- 'Spacebar' or 'Enter' key to interact with the controls.
- Arrow keys to select an option from the dropdown menus.

Map controls

- 'Tab' key to navigate to the desired control.
- 'Spacebar' or 'Enter' key to interact with the control.

Note: Keyboard navigation/interaction might not be available for all functionalities due to technical limitations or administrative configurations.

