IntraMaps
Customer User Guide

Helping customers navigate Wollongong City Council's public mapping system

Contents

Introduction

IntraMaps is Wollongong City Council's online mapping tool.

It provides access to spatial data to enable our community to make informed decisions using the information we hold.

You can use IntraMaps to view, search, display, export and print maps and associated data.

IntraMaps is accessed through any standard browser (e.g., Microsoft Edge, Google Chrome, Mozilla Firefox) and can be saved as a bookmark.

Use this guide to help you navigate the core functionality of our online maps and help you get the most out of this useful tool.

Please note: the information displayed in IntraMaps is, at a minimum, 48 hours old and should be used for general information purposes only. If you are looking for more recent (less than 48 hours old), detailed or specific information, contact Council's Customer Service team on (02) 4227 7111, Monday to Friday between 8:30am and 5pm.

Accessing IntraMaps

You can access IntraMaps via Wollongong City Council's website:
https://www.wollongong.nsw.gov.au/plan-and-build/maps

This page provides links to access the maps and the information each map holds.

The below table provides a high-level overview of the information contained in each map:

Map	Description	Notable Layers
General Map	A simple view of property information	• Property boundaries and information • Suburb and other boundaries • Aerial Imagery
Planning and Environment Map	Everything showing the General Map + Information from our **Local Environmental Plans** (LEP)	• Zoning, floor space ratios, height restrictions and minimum lot sizes • Heritage items, conservation areas, reservations, riparian lands, Illawarra Escarpment, natural resource and biodiversity areas • Acid sulphate soils • Constraint data including Flood Prone areas
Bush Fire Prone Land information	Planning and Environment Map with Bush fire Prone Land information displayed my default	• Constraint data including Bush fire Prone Land
Coastal Zone Study information	Planning and Environment Map with **Coastal Zone Study** 2010 information displayed my default	• Ocean Inundation Extents 2010, 2050 and 2100 • Zones of Reduced Foundation Capacity 2010, 2050 and 2100 • Zones of coastal geotechnical risk.
Stormwater Network map	Wollongong's existing Stormwater Asset Network	• Stormwater Pits • Stormwater Pipes • Stormwater Points (Outlets, Inlets, Pipe Junctions etc) • Stormwater Lines (Overland Flow Paths, Channels etc)

Development Contributions Plans	Which Development Contributions Plan applies to a property	• Development Contributions (fee developers pay to help fund public infrastructure needed for new buildings.)
Accessible Parking Spaces	Accessible parking spaces that are managed by Council	• Mobility Parking Spaces
Council Wards	Find out which Council Ward your property is in.	

To access a map, click the corresponding link.
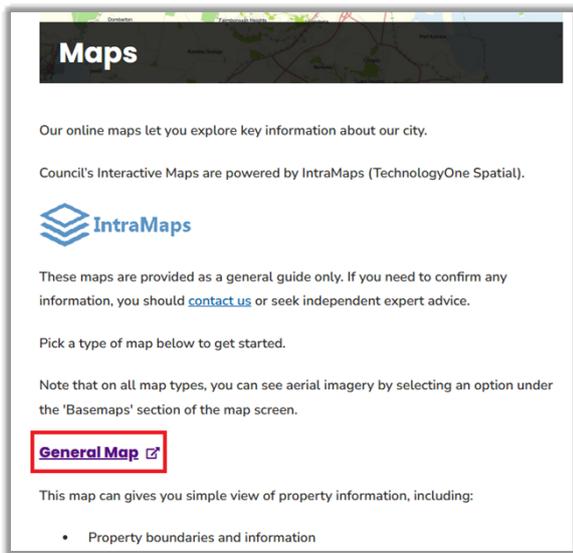
A new browser tab will open, and a disclaimer will appear.

To proceed, tick the "**I accept**" checkbox then click "**Continue**" to move through to the maps.

Accessing Online Help

IntraMaps has an extensive online help section – you will find this via the Help Button which looks like a question mark ( ) located in the top right-hand corner of the title bar of IntraMaps.
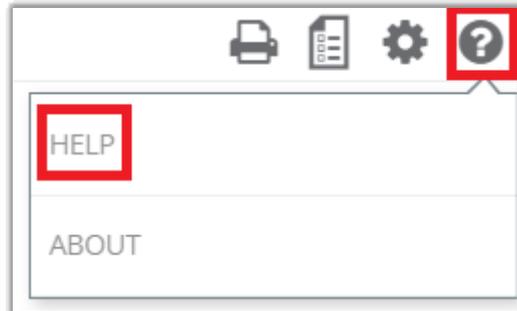
This online help is an essential tool that can be used to improve your IntraMaps experience.
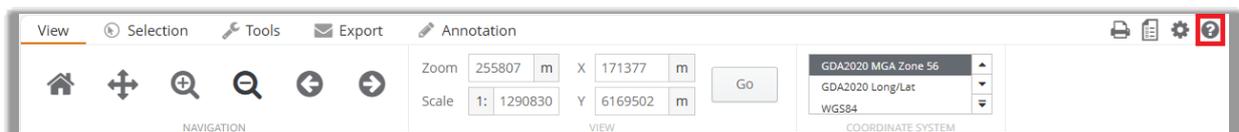
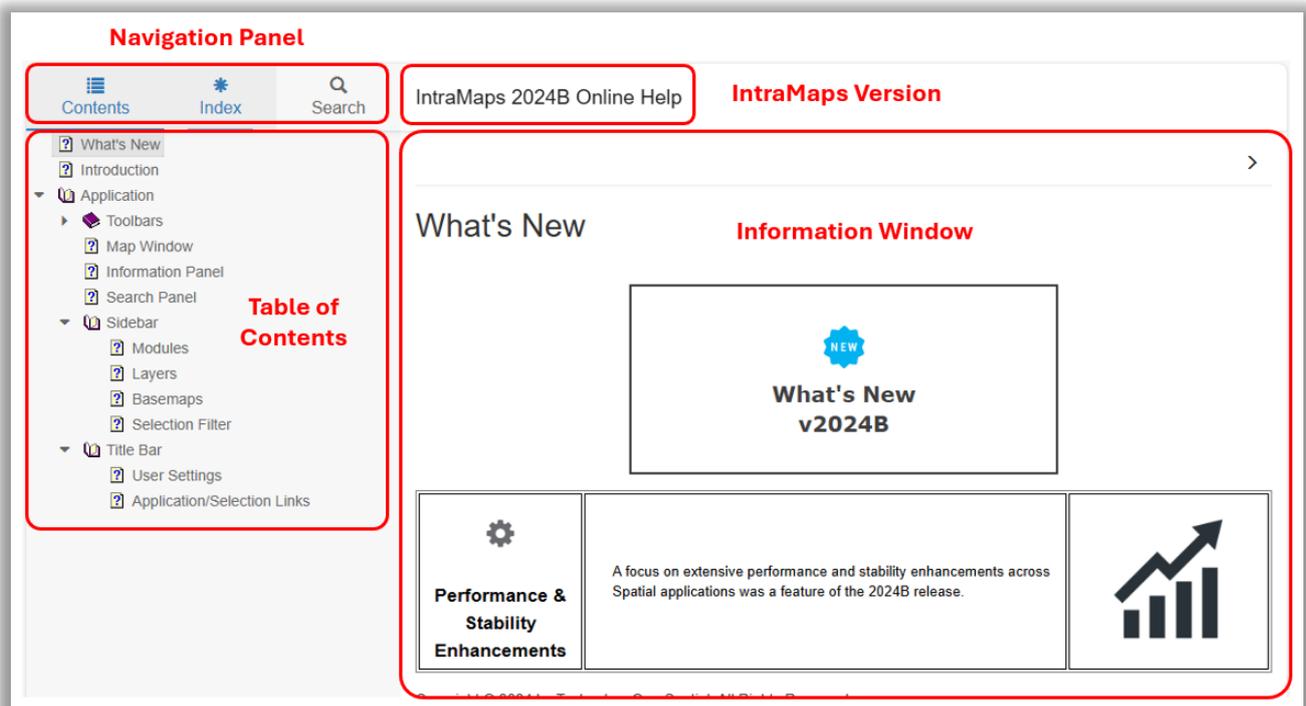Clicking the Help Button ( ) will open a drop-down menu.

"HELP"
Opens a new window. This is where you can type in a question based on what you are looking for, and the system should provide step by step instructions.


Using the Online Help

Once you have selected the "HELP" option mentioned above, a new Online Help window will open, which contains the below options.

Navigation Panel

Use the Navigation Panel to assist you in finding the help you are after. The selected tab within the Navigation Panel changes what is displayed in the table of contents

1. **Contents**: This displayed all available help topics in the table of contents, clicking the desired topics generates help information in the information window. Topics can be expanded and collapsed by clicking the ▶ symbol to the left of the topic.
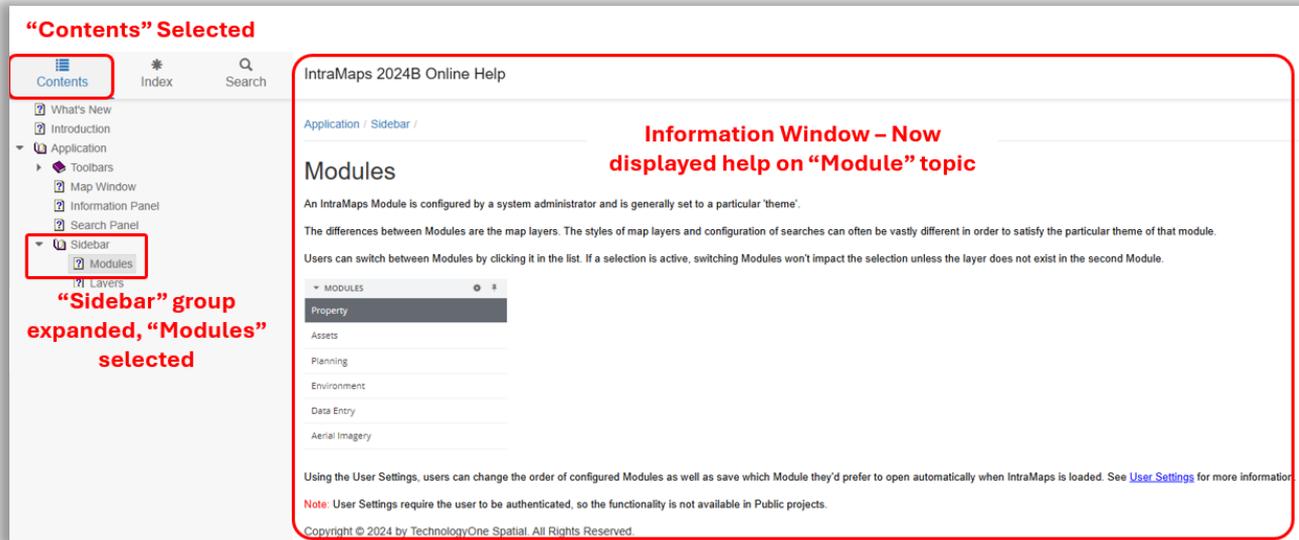
2. **Index**: This is not used.
3. **Search**: Allows users to search for the topics they require. Select the "Search" tab and enter your search term. IntraMaps Help will return related topics in the Table of Contents. Select the relevant topic to display in the Information Window.
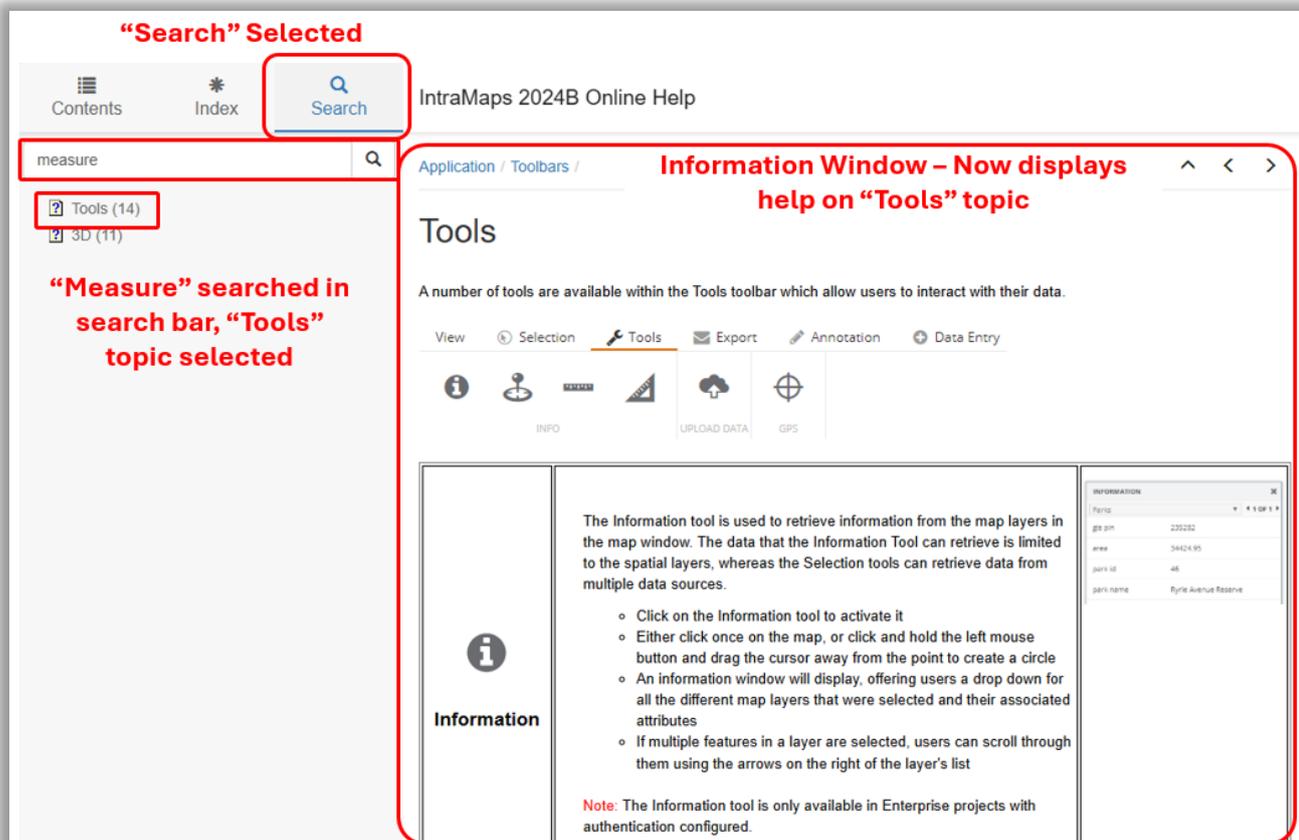
Table of Contents

The Table of Contents displays all available help topics. Clicking on a topic within the Table of Contents displayed the help information in the Information Window.
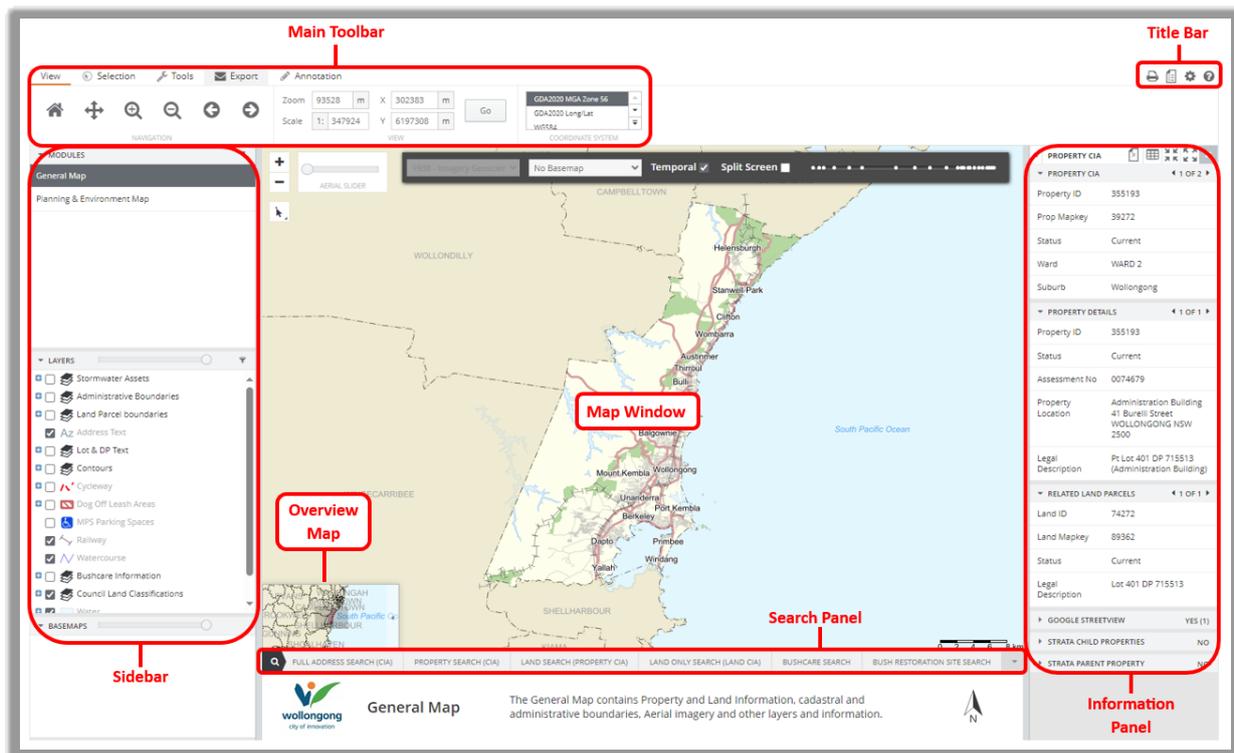
Information Window

The Information Window displays the help information for selected topics. It contains the below features:

To exit from the IntraMaps Help Window, close the entire window by selecting the "X" at the top right corner of the window.

The IntraMaps Interface

See below for information on the IntraMaps Interface with general information on each section. Click the hyperlinks in the heading to jump to more information on that topic.

Main toolbar

Contains all the tools to make selections, display information, control the view and navigate around the map.

Map Window

The Map window is the main display for Council's spatial information. It consists of one or more layers (groups of similar spatial data are often referred to as layers) and will often show both aerial imagery and points, lines and polygons (a polygon is used to show a specific area on a map—like a block of land, a park, or a zone).

Search Panel

The Search Panel allow users to quickly find, zoom to and select a desired feature, such as a property address. See Searching section for more information (see page 12).

Information Panel

The Information Panel displays when a Selection is made using the Selection tools or using a Search. See Information Panel section for more information (see page 22).

Sidebar

The Sidebar consists of 3 panels: Modules, Layers & Basemaps. Modules contain search forms and map layers specifically chosen to produce a themed map. The Layers panel displays a list of all layers available in that module. See Sidebar section for more information (see page 17).

Title Bar

The Title Bar contains the following functions: Print, Legend, User Settings and Help.

Overview Map

The Overview Map is interactive and shows users a zoomed-out view of where they are currently visualising the map.

Understanding Modules and Layers

What is a module?

A **module of a map** is a themed set of map layers grouped together to show specific types of information—like planning zones, environmental data, or infrastructure.

Council's IntraMaps contains two modules: **General Map** and **Planning & Environment Map**. Each of these maps contain a set of curated layers spatially displaying Council information.

What is a layer?

A **layer** in mapping is a set of related information shown on top of the map, like roads, property boundaries, or flood zones, which you can turn on or off to see different details.

Navigating IntraMaps

Navigating IntraMaps should feel intuitive, much like navigating Google maps. When you open IntraMaps you will be presented with the default view – the entire Wollongong Local Government Area (LGA).

If you wish to return to this view click the Home button from the Navigation section of the View toolbar.

Panning

To pan (shift a map image relative to the display window) to an area Click and hold the left mouse button and drag the map to the desired location.

To activate the pan tool, select it from the Navigation section of the View toolbar.
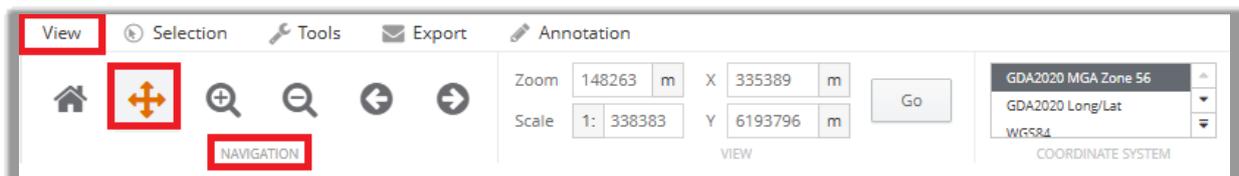
Zooming

Zooming can be achieved in several ways:

1. Roll the scroll wheel on your mouse [forwards to zoom in (make image larger) OR backwards to zoom out (make image smaller)]. **Important Note**: The placement of your mouse cursor on the map window determines where your zoom is centred.

2. Using the Zoom in and Zoom Out Tools from the Navigation section of the View toolbar. The Zoom In/Out tool allows users to enable a single click to zoom in by a factor of two, or draw a rectangle so that the zoom area can be defined.

   a. Click the Zoom In to activate it

b. Single click on the map to perform a zoom in/out on a particular location. The map will zoom in/out at twice the previous zoom level

OR

c. Click and hold the left mouse button and drag the rectangle to the desired location
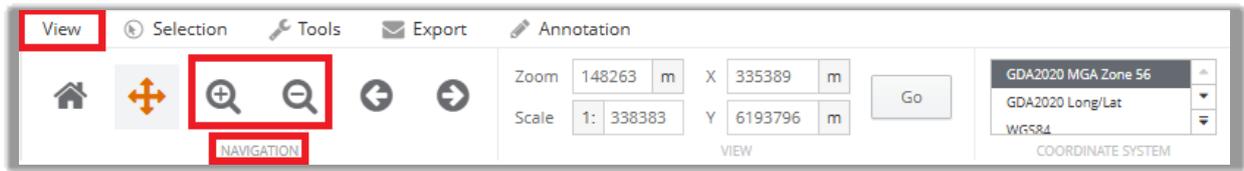
Use the Navigation Tool in the top left of the Map Window to zoom in or out with a single click.
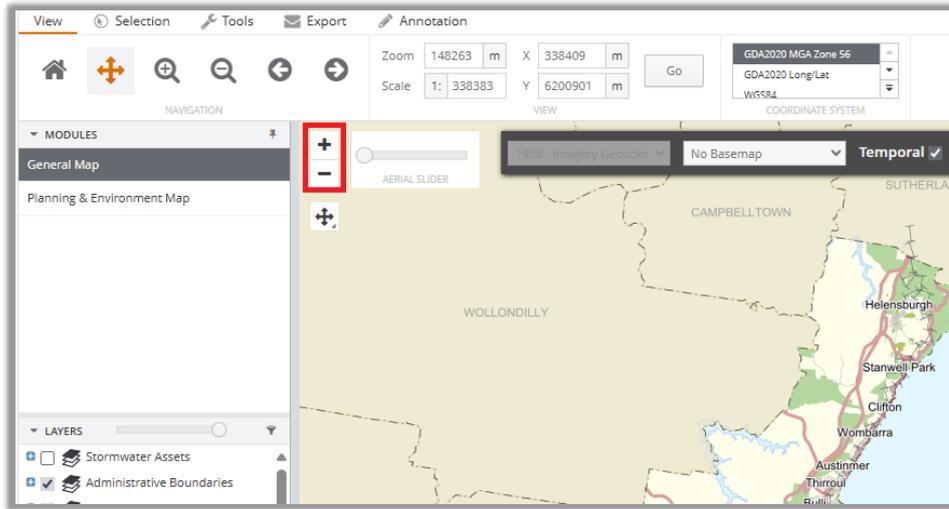
Other View Features
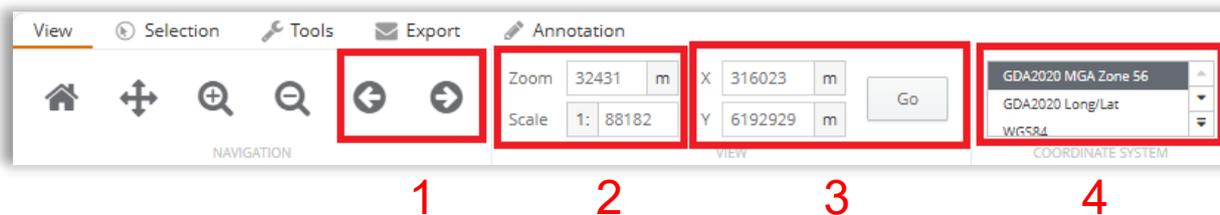
1. **Back/Forward button:** click to go to back to the previous view or forward, once the back button has been used
2. **Zoom/Scale:** Reflects the current zoom and scale of the view and changes dynamically. Manually change the zoom or scale by inputting numbers and clicking "Go"
3. **XY:** Reflects the current X and Y coordinates of the view and changes dynamically. Manually change the X and Y coordinates by inputting numbers and clicking "Go"
4. **Coordinate System:** Users can change the coordinate system of IntraMaps from within this panel.

The Map Window

The Map Window displays the layers, information and background imagery for any given module.
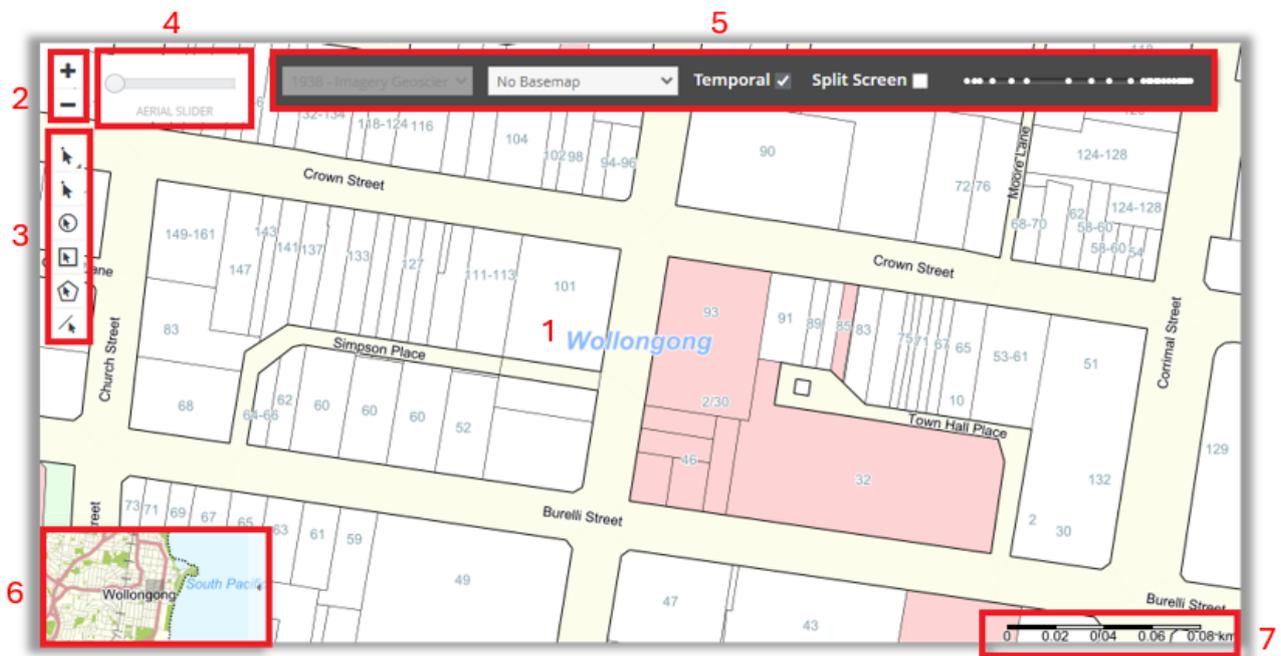
1. **Map:** This is the main viewing window where layers and search results will be displayed
2. **Navigations Tools:** Zoom in or out of the map with a single click.
3. **Selection Tools:** Users can change the selection tool using this drop-down menu. By default, the Point selection tool is active. See Selecting Information
4. **Aerial Slider:** Drag the slider to progressively reveal the aerial image. With the toggle set to the far right, the aerial image with have 100% opacity as opposed to 0% on the far left. *Note: the aerial slider will only display the latest imagery epoch (year of capture).*
5. **Basemap Timeline:** Users can select a basemap from the drop-down and toggle between them using this method or use the interactive basemap markers on the Timeline. See Changing Background Imagery
6. **Overview Map:** The Overview Map is dynamic, meaning the location identifier moves and resizes based on the current location and zoom scale within the map window.
7. **Scale Bar:** Displays the current scale of the map. The scale bar updates according to the current zoom level on the map.

Searching in IntraMaps

Searches allow users to quickly find, zoom to and select a desired feature, such as a property address, a street, an asset or another available spatial feature.

Searching is performed in the Search Panel below the Map Window.
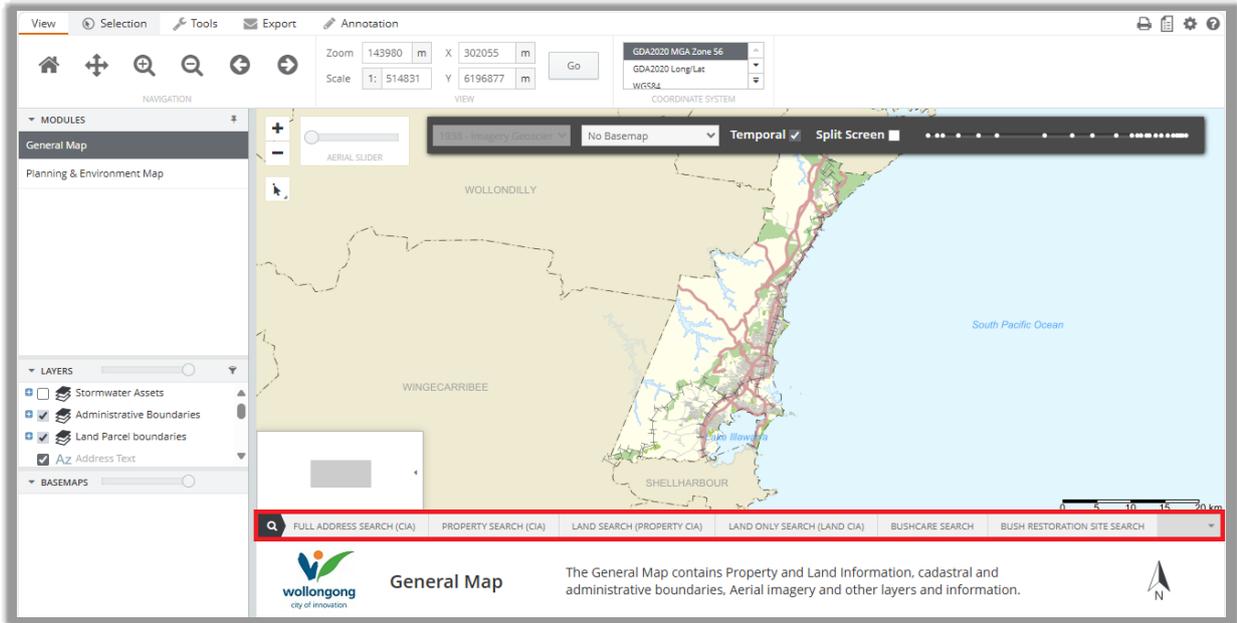
Wollongong City Council have configured several standard search forms to help you find the information you need quicker. It's important to note that the Planning & Environment Map has extra searches available.

Search forms are found by selecting a tab on the Search Panel (See The IntraMaps Interface on Page 6). Once selected, the standard search form displays mandatory (identified with an asterisk) and non-mandatory fields for you to fill out to help guide your search, see below.
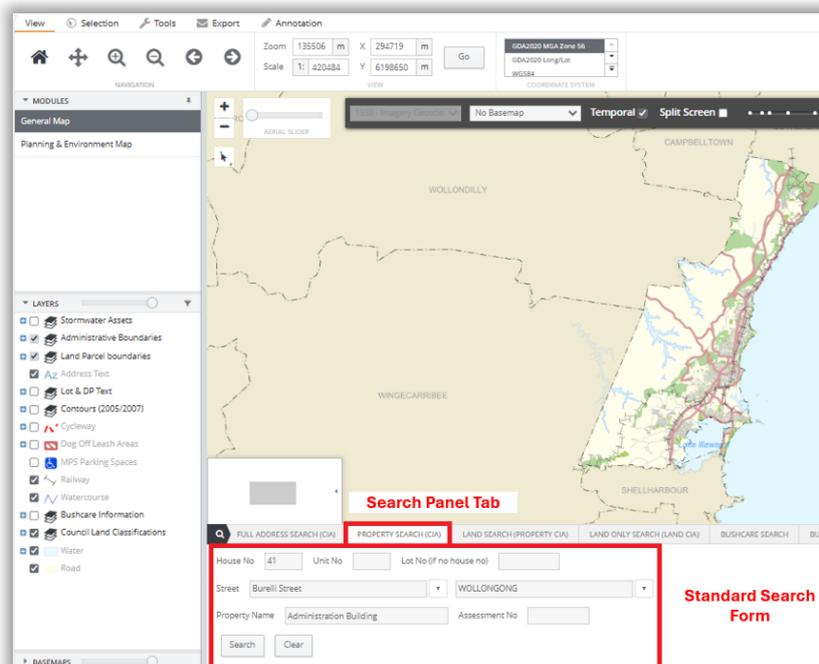
Entering and selecting a search will automatically zoom you to the maximum area covered by your search results.

The below table outlines all the available searches.

Note: You will see "(CIA)" after some search tabs e.g., FULL ADDRESS SEARCH (CIA) – in this context CIA is referring to the data that the search is using – it does not affect the search results.

Search Query	Module	Use
FULL ADDRESS SEARCH (CIA)	General Map; Planning & Environment Map	Find a property within the LGA - Single line address search that autofill's based on what you type
PROPERTY SEARCH (CIA)	General Map; Planning & Environment Map	Find a property within the LGA – Search by individual address components
LAND SEARCH (PROPERTY CIA)	General Map; Planning & Environment Map	Find a land parcel within the LGA – Search by Lot, Section, Plan Type and Plan Number – Focused on Property Data
LAND ONLY SEARCH (LAND CIA)	General Map; Planning & Environment Map	Find a land parcel within the LGA – Search by Lot, Section, Plan Type and Plan Number – Focused on Land Data
BUSHCARE SEARCH	General Map; Planning & Environment Map	Search Bushcare sites within the LGA -search by Name and Suburb
BUSH RESTORATION SITE SEARCH	General Map; Planning & Environment Map	Search Bush Restoration sites within the LGA – search by Name
ROADCENTRELINE SEARCH	General Map; Planning & Environment Map	Search for a Road Name within the LGA
SUBURB SEARCH	General Map; Planning & Environment Map	Search for a Suburb within the LGA
VEG MANAGEMENT SEARCH	General Map; Planning & Environment Map	Search Vegetation Management Plan sites within the LGA – search by Site Name, Suburb or Catchment
LEP 2009 HERITAGE SEARCH	Planning & Environment Map	Search LEP2009 Heritage sites within the LGA – search by ID, Category, Item, Item Type, Location and Suburb

The search bar also contains the following abilities:

List all Searches	Click the icon to list <u>all</u> Searches available for that particular module. The Search panel can only display a limited number of searches via Tabs. Remember that searches can be different between modules.
User Settings	Users can rearrange the Search Forms for the currently active Module to suit their own individual requirements. See <u>User Settings Tips n Tricks document</u> for more information.

How to search in IntraMaps

While the search fields for each Search Query will vary, the process is the same for any search you do in IntraMaps:


1. Fill out **only the required** search parameters/fields (less is best - you do not have to put something in every box)

2. *Click* **Search** to perform the search. The following actions *may* occur:

    - If the Search is successful, the map will zoom to be centred around the feature searched, and results are displayed in the Information panel.

    - If the search returns too many records, you can refine your search by including other search parameters and clicking search again.

    - If the Search is unsuccessful and returns no records, review what you have typed, update any parameters and click search again. If still unsuccessful, try a different search to find what you are looking for.

3. *Click* **Clear** to erase all the search parameter/fields and begin a new search

Common Searches

The following are some of the most common searches used in IntraMaps to find a property:

Full Address Search (Property CiA):
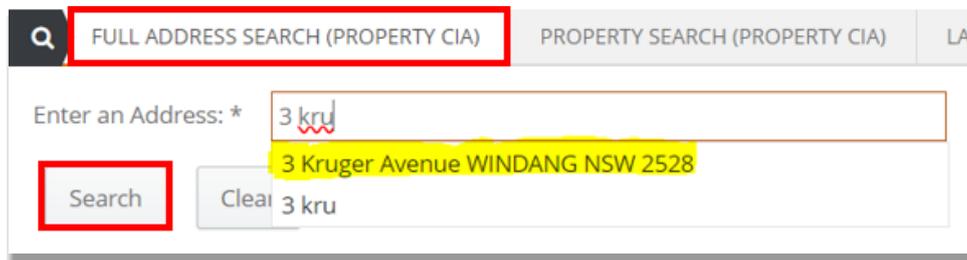
Use: The simplest and our most recommended search to use first when trying to find a property.

Search Process:

- *Enter* the address required: e.g. 3 Kruger Ave.
  Note: As you begin typing, if a match is found, select it from the dropdown list
  Click the **Search** button.
  The map will be redrawn and centred around the searched property. If no matching address is listed, try a different Search (e.g. Street Search or Property Search)
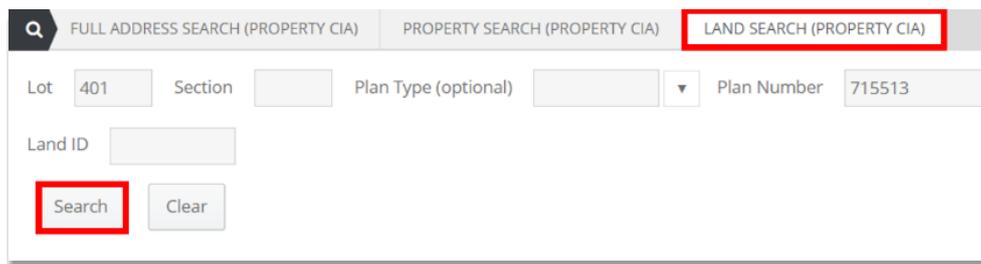
Property Search (Property CiA):
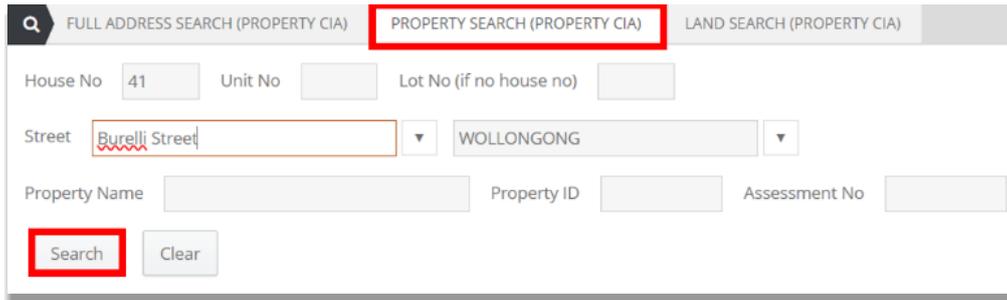
Use: Try this search if the Full Address Search fails to find a match for a property. It is particularly useful for searching by Property Name, Lot and Street or by House No and Street.

Search Process:

- Enter any of the search parameters as required, e.g. House No and Street or Property Name
- Click the Search button.
  The map will be redrawn and centred around the property just searched.

Land Search (Property CiA):

Use: To locate a Property by its Lot Number and Plan Number

Search Process:

- Enter the Lot and Plan Number: e.g., 401 and 715513

  Only enter Section Number if required (mainly for older parcels)

  Only enter the Plan Type if the search returns properties for both DP and SPs for that plan number

- Click the Search button.
  The map will be redrawn and centred around the property just searched.

Important Note: Remember that IntraMaps has extensive online help that can be accessed by simply clicking the Help Button located in the top right-hand corner of IntraMaps (❓).

Using the Sidebar

The Sidebar contains several crucial aspects to the IntraMaps interface: Modules, Layers and Basemaps – Note Wollongong City Council does not use Basemaps. See below for feature of the sidebar
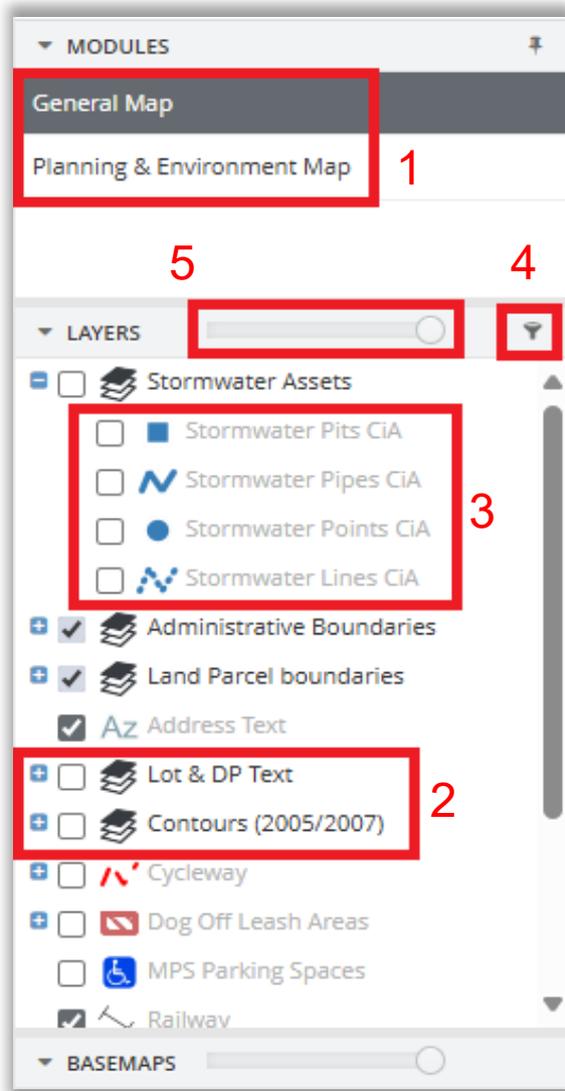

1. Modules (a themed set of map layers grouped together) – select module by clicking one option.

2. Layer/Layer Group – Turn on layer group by clicking the checkbox next to the layer/layer group name. Expand the layer group by clicking the + symbol.
   NOTE: Some layers are only visible at certain zoom scales. If a layer is not visible, it will appear as light grey in the sidebar, zoom in closer on the map to make the layer visible.

3. Multiple layers of similar themes are grouped together into layer group, e.g., Stormwater assets. Click on the checkbox to turn on individual layer or click the checkbox of the group layer to turn on all layers within the group.

4. Filter – click the filter icon to search for your desired layer – see below

5. Transparency slider – use the slider to alter the transparency of visible layers from 0% – 100%

Sidebar User Settings – Layers

The sidebar can be utilised to find the information you are searching for, see below
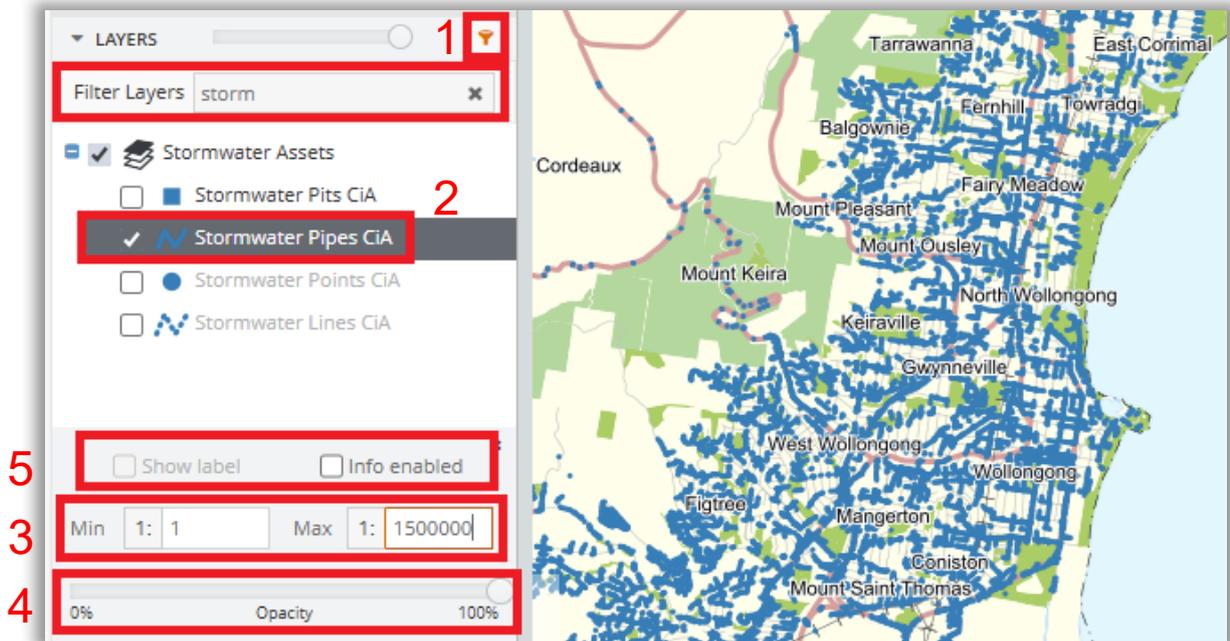
1. **Searching for layers:** click the filter icon to activate the "Filter layers" box. Enter the layer you are searching for in the box, e.g., storm (for stormwater) and the list will automatically filter.

2. **Changing layer appearance:** select the layer you wish to view. You can now change the visible zoom threshold (**3**) – this allows you to view layers at previously unavailable zooms, opacity (**4**) and information toggle (**5**).
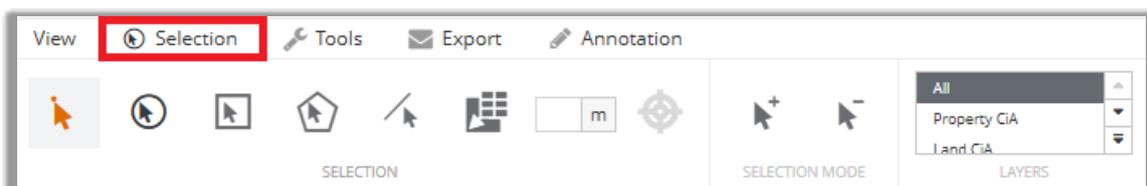
Important Note: Remember that IntraMaps has extensive online help that can be accessed by clicking the Help Button located in the top right-hand corner of IntraMaps ( ). The online help section contains helpful information regarding sidebar user settings.

Selecting Information

The Selection tools, found in the main toolbar are used to retrieve information about objects that are in the current Selection Layer. Note, not all layers in IntraMaps have been configured to return information when selected.
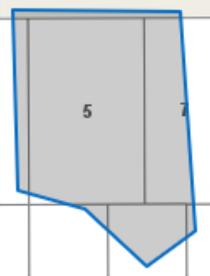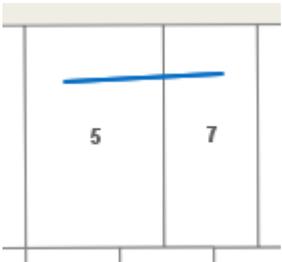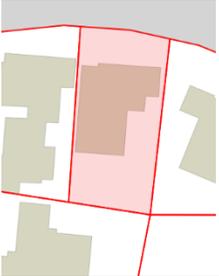
Selected layers will return available information in the Information Panel on the right-hand side of the map. See: Information Panel

See below for a table explain search functionality.

| Selection Type	Use	Example
Point Selection	The Point Selection tool is used to select features in the selection layer by using a point to define the search region. ***Note: This is activated by default*** • Click on the Point Selection tool to activate it • Single click on a feature to select • The Information Panel will activate and populate with information about that feature • Users can pan the map by clicking and dragging whilst the Point Selection tool is active	
Circle Selection	The Circle Selection tool is used to select one or multiple objects in the selection layer by using a circle to define the search region. • Click on the Circle Selection tool to activate it • Click and hold the left mouse button and drag the cursor away from the point to create a circle • The radius of the circle is shown in the status bar at the bottom right Radius: 108 m	
Polygon Selection	The Polygon Selection tool is used to select one or multiple objects in the selection layer by using a polygon or multi sided shape to define the search region. • Click on the Polygon Selection tool to activate it • Click once on the map to start the polygon • Click as many times as required to define a search area • Double click to finish the shape. Note: The last line segment is automatically created, so users don't need to finish on the point they started at • While creating the polygon, the length of the current line, the total length and the area of the polygon, as well as the coordinates of the mouse pointer, will be displayed in the status bar	
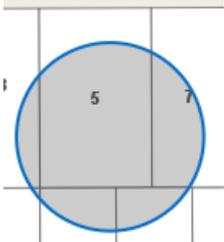
Line Selection (icon)	The Line Selection tool is used to select one or multiple objects in the selection layer by using a line to define the search region. • Click on the Line Selection tool to activate it • Click once to start the line • Click as many times as required to define a search line • Double click to finish the line • While creating the line, the length of the current line and the total length of the line, as well as the coordinates of the mouse pointer, will be displayed in the status bar	
Share Boundary Selection (icon)	The Share Boundary Selection tool is used to select one or multiple objects in the selection layer that share a boundary with one object. • Click on the Share Boundary Selection tool to activate it • Click on an object to select it • The features that share a common boundary will also be selected	
Buffer Around (15 m, target icon)	The Buffer Around tool is used to select one or multiple objects in the selection layer that are within a specified distance of a selected object. • Make a selection using either the selection tools or a search • Specify a distance (in metres) within the text box control • Click on the Buffer Around tool (target icon) • The features that are within the specified distance will also be selected and a buffer displayed for easy visualisation on which features were included	
Add to Selection (icon)	When making selections, each new selection deletes the previous selection and starts one from scratch. Using the Add to Selection tool, users can add objects to a current selection. • Click the Add to Selection tool to activate it • Click one of the Selection tools and complete a selection • The new selection will be added to the current selection When enabled, click the tool again to deactivate it.	
(icon)	Using the Remove from Selection tool, users can remove objects from a current selection. • Click the Remove from Selection tool to activate it • Click one of the Selection tools and complete a selection • The selected features will be removed from the original selection	

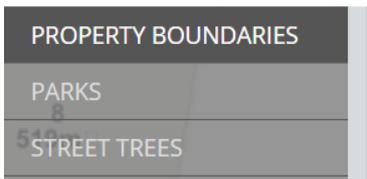|		
Remove from Selection		When enabled, click the tool again to deactivate it.
All Cadastre Parks LAYERS Selection Layers		All available selection layers will be in this list and it may be different per module. By default, selection tools will use select objects from 'All' layers. If users would like to restrict a selection to one specific layer, they can choose that layer from this list.

Information Panel

The Information Panel activates when a Selection is made using the Selection tools or using a Search. It displays available information relating to the selected feature in the map view.

Note: not all layers are selectable.
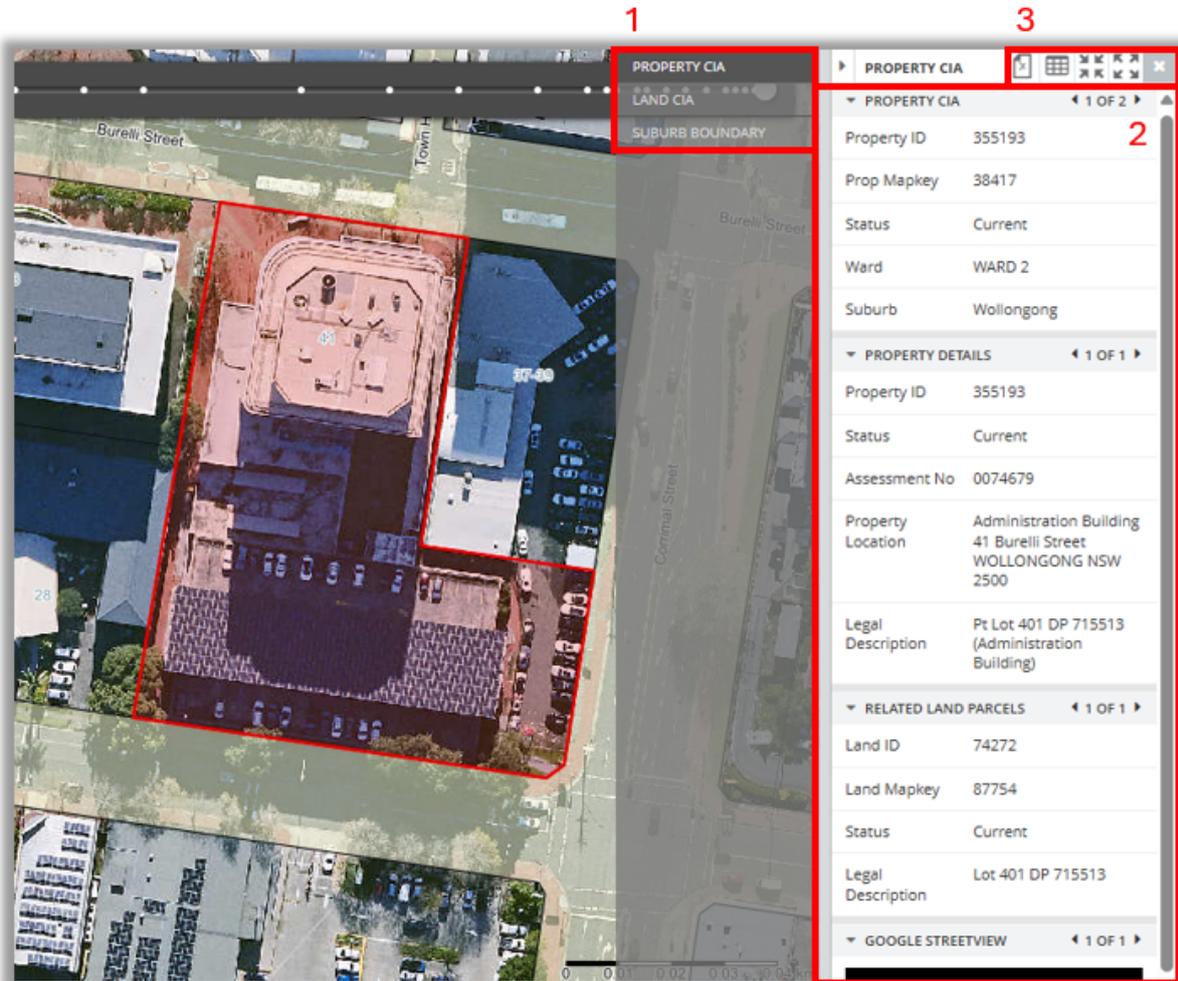
1. **Selection layers:** A list of selected layers that have information available to view.
2. **Information Panels:** Information associated with selected layers.
3. **Information Panel tools:** Tools to enhance user experience, see below for further explanation.

Information Panel Feature	Use
 Selection Layers	View results from multiple Selection Layers. • If multiple selection layers are configured and selected, they will be listed to the left of the Information Panel • If a specific Selection Layer was selected from the Layers control in the Selection toolbar, then only that layer will be displayed • Users can switch between Selection Layers by clicking them in the left hand list. In this example:

|	
	Property Boundaries, Parks or Street Trees are the available Selection Layers • Collapse the list of Selection Layers by clicking the arrow on the right of the list
Information Panels ▸ PARCEL INFORMATION ◂ 3 OF 6 ▸ ▸ PROPERTY ◂ 1 OF 1 ▸ ▸ OWNER ◂ 1 OF 1 ▸ ▸ BUILDING APPLICATION YES (1) ▸ DOG YES (1) ▸ POOL NO ▸ VIDEO YES (1)	Results for a Selection are displayed in the Information Panel and depending on the configuration, within a number of collapsible/expandable information panels. • The data will be split into a number of collapsible and expandable information panels depending on what is configured by a system administrator • Different queries are used in the configuration to retrieve the data in each of these panels • Users can expand or collapse the information in that panel by clicking the heading bar
▾ PARCEL INFORMATION ◂ 3 OF 6 ▸ **Multiple Records**	View multiple records. • In this example, multiple records of parcel information available. • Users can navigate through the selections using the Left and Right arrows • The Current Selection will be displayed on the map and the details in the Information Panels will update to reflect the new selection
Export to CSV	Export to CSV must be configured and enabled by a system administrator. • If enabled, allows an export of the Entire Selection of a layer to a CSV file for viewing in programs such as Excel or for use in a GIS application
Information List	Info Lists must be configured and enabled by a system administrator. If enabled, the Info List tool shows all records for the Entire Selection of the selected layer. • If many features are selected, this method can be more efficient than navigating through individual records using the navigation arrows • Click one of the records in the pop-up window • That record will be selected in the Information Panel and the map will display it as the Current Selection
Zoom to Current Selection	Zooms to and centres the map window on the Current Selection.
Zoom to Entire Selection	Zooms to and centres the map window on the Entire Selection so that all selected features are visible.
Cancel Selection	Removes the Selection made and closes the information panel. This cannot be undone.

Specific Use Case: Viewing Flood Information

To easily find flood information relating to a property or suburb complete the following steps:

1. Go to the **Planning and Environment Map** or select the Planning & Environment Map from the available modules. See Accessing IntraMaps and What is a Module?

2. Search for the property, land or suburb you are interested in. See above section called: How to Search in IntraMaps

3. Once the map has navigated to your desired area, turn off the underlying zoning information by finding the "Wollongong LEP 2009" group layer, expanding the group layer and unchecking the "2009 LEP Zones" layer, this will make the map easier to view. See: Whats is a layer? and Using the Sidebar

4. Using the sidebar Filter Layers Feature (See Sidebar User Settings – Layers) search for "Flood", you will now be presented with available flood layers. Turn on or off desired layers. Remember some layers are only available at certain zoom levels, to override this see Sidebar User Settings – Layers
Note: Flood information is stored under the "Constraints and Planning DCPs" – "Flood Information" layer groups as well as under "Wollongong LEP 2009" layer group.
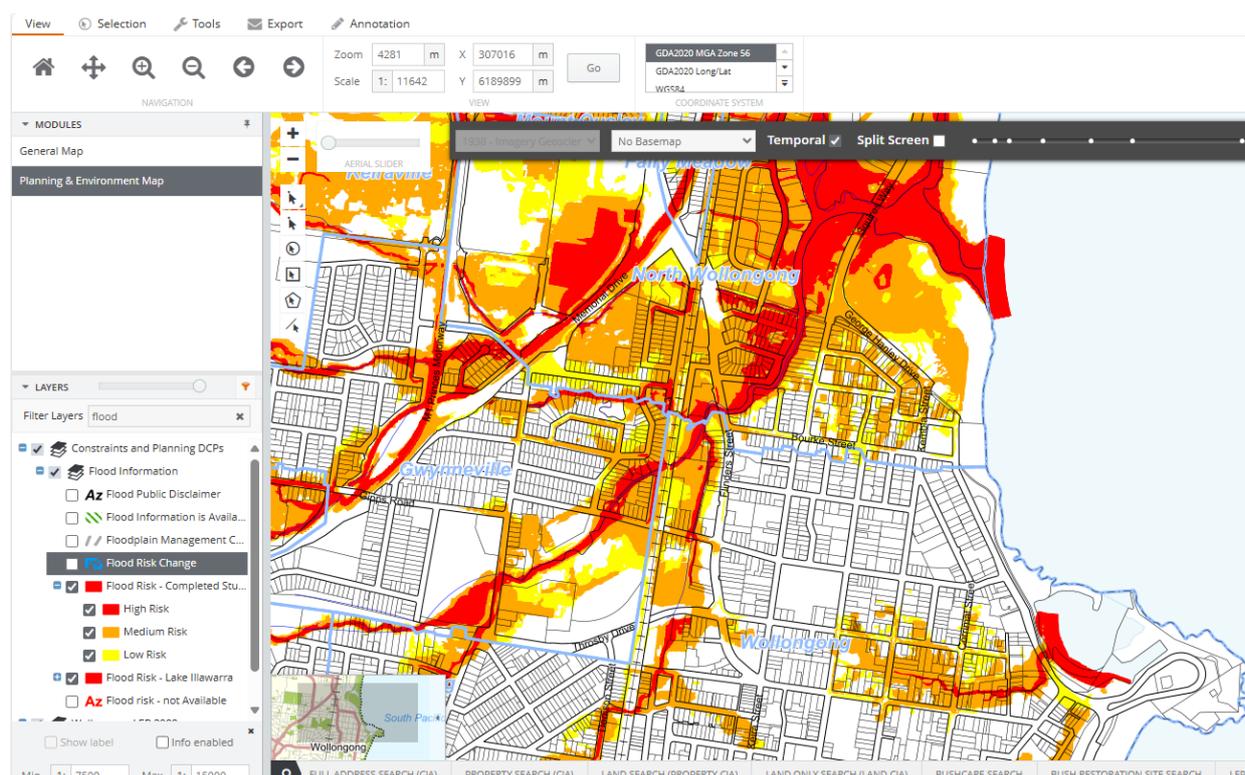
Changing Background Imagery

Wollongong Council have included several aerial imagery epochs (years of capture) that can be used as background imagery in the Map Window. Imagery epochs are available via the Basemap Timeline in the Map Window. See Map Window. Using different imagery epochs allows you to view aerial imagery as far back as 1938 in some parts of the LGA.

The following imagery epochs are available for use as a background image:

Imagery Epoch (Year)	Source
1938	Imagery Geoscience Australia
1941	Imagery (med res) Geoscience Australia
1942/1943	Imagery (med res) Geoscience Australia
1948/1951	Imagery Sate of New South Wales
1955	Imagery (med res) State of New South Wales
1961	Imagery (med res) State of New South Wales
1977	Imagery AAM Pty Ltd
1986/1987	Imagery AAM Pty Ltd
1993	Imagery AAM Pty Ltd
2001 Imagery A	Imagery AAM Pty Ltd
2006	Imagery AAM Pty Ltd
2008/2009	Imagery Spatial Services
2009	Imagery AAM Pty Ltd
2011	Imagery AAM Pty Ltd
2012	Imagery AAM Pty Ltd
2014	Imagery Jacobs Group (Australia) Pty Ltd
2016	Imagery Jacobs & Aerometrex
2018	Imagery Jacobs & Aerometrex
2020	Imagery Aerometrex
2021	Imagery Aerometrex
2022	Imagery Aerometrex
2023	Imagery Aerometrex
2024	Imagery Aerometrex

Note: Some epochs only offer partial coverage of the LGA

See below for features of the Basemap timeline and how to change background imagery.

1. **Basemap Selector:** Click the dropdown arrow to view and select available basemaps.

2. **Available Basemaps:** Select the available basemap to activate it as your background image. ***Note: Basemaps will only display once the map is zoomed in at a scale of 1: 8000***
3. **Temporal Spacing Setting:** Check/uncheck to change the basemap slider's appearance. Checked: dot spacing will be relative to the year of capture. Uncheck: dots will be evenly spaced.
4. **Basemap Slider:** Drag the selector to change the basemap by year (left is earliest, right is latest).
5. **Split Screen Setting:** Check/uncheck to activate/deactivate split screen mode. This mode allows for two different epochs to be displayed simultaneously. See below
6. **Split Screen Basemap Selector:** Once split screen mode is enabled, select the second basemap for display.

Wollongong City Council has made every effort to ensure the information in this publication was accurate at the time it was produced (March 2026). However, details may change at any time without notice. To confirm any information, please contact Council or seek independent professional advice. ABN: 63 139 525 939.