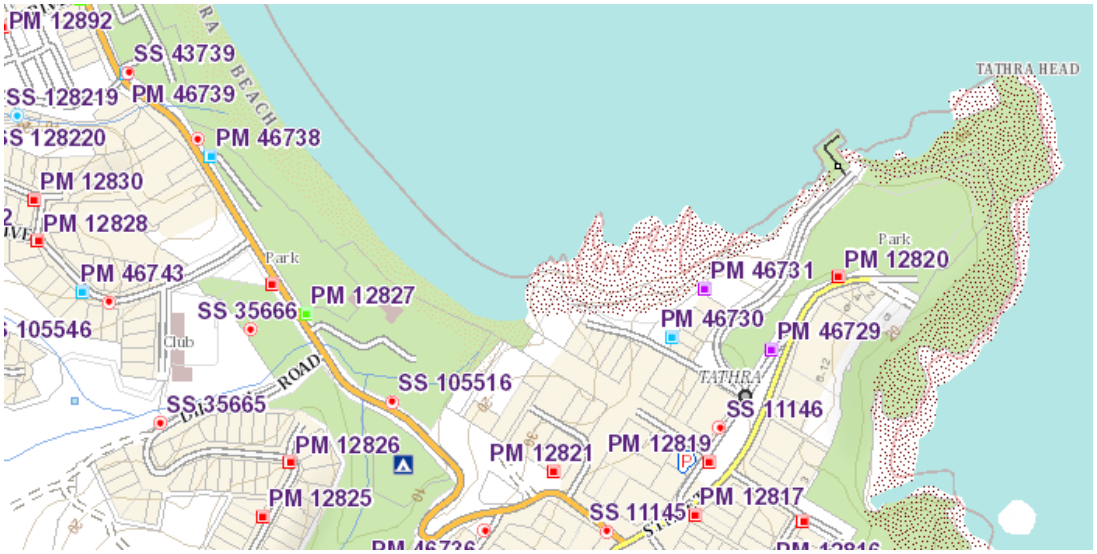
SCIMS Online Support Guide



Version 3.1
18 November 2019

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SCIMS Online Support Guide

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Document summary

Document control

Document	Date amended
Version	3.1
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Change history

Version	Version Date	Authorised by	Change details
2.0	July 2016	Cheryl Toohey	LPI separation, email delivery of survey mark reports, reformatting of whole document
2.1	September 2016	Michael London	New My Documents box for delivery of survey mark reports, updated screenshots, new document summary page
2.2	March 2017	Michael London	Updated phone numbers and email addresses due to LPI separation
2.3	April 2019	Michael London	Updated contact details
3.0	July 2019	Michael London	New information and images due to new GDA2020 functionality in SCIMS Online. Minor text revisions
3.1	November 2019	Michael London	Updated email addresses and web links due to Machinery of Government change

Approval

Name	Role	Section to be approved
Michael London	Senior Surveyor, SCIMS & CORS	Whole document

Contents

1 Introduction

The Survey Control Information Management System (SCIMS) Online Support Guide provides information on how to use SCIMS Online.

SCIMS Online provides access to the coordinates, metadata and sketch plans of permanent survey marks that form the State Survey Control Network as well as a wealth of spatial (location-based) information across the whole of New South Wales (NSW).

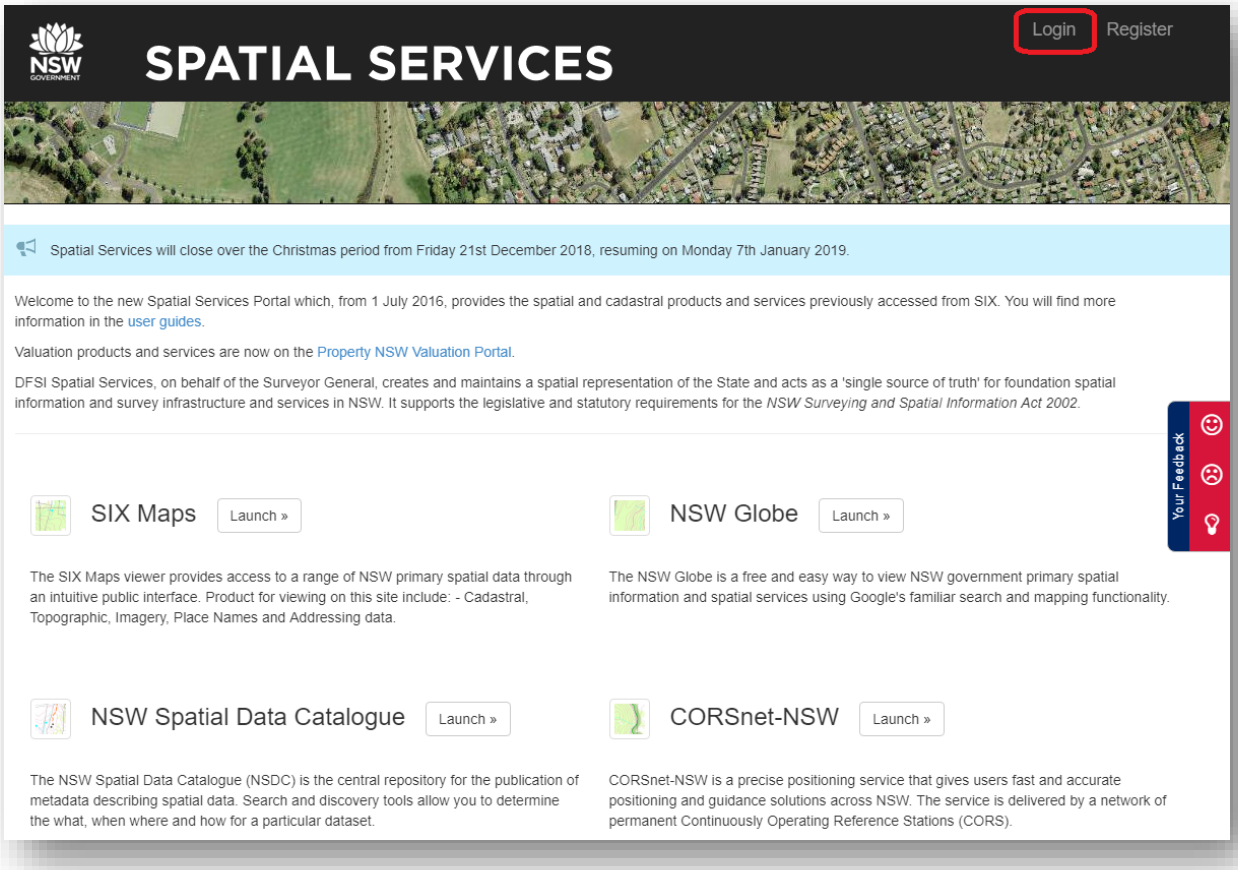
Key functions include the ability to:

- graphically select permanent survey marks for the download of all data sets
- navigate by searching for an address, Lot/DP number, suburb name, Local Government Area (LGA), Point of Interest (POI), road intersection or survey mark
- display the latest high resolution imagery and publication-quality topographic maps

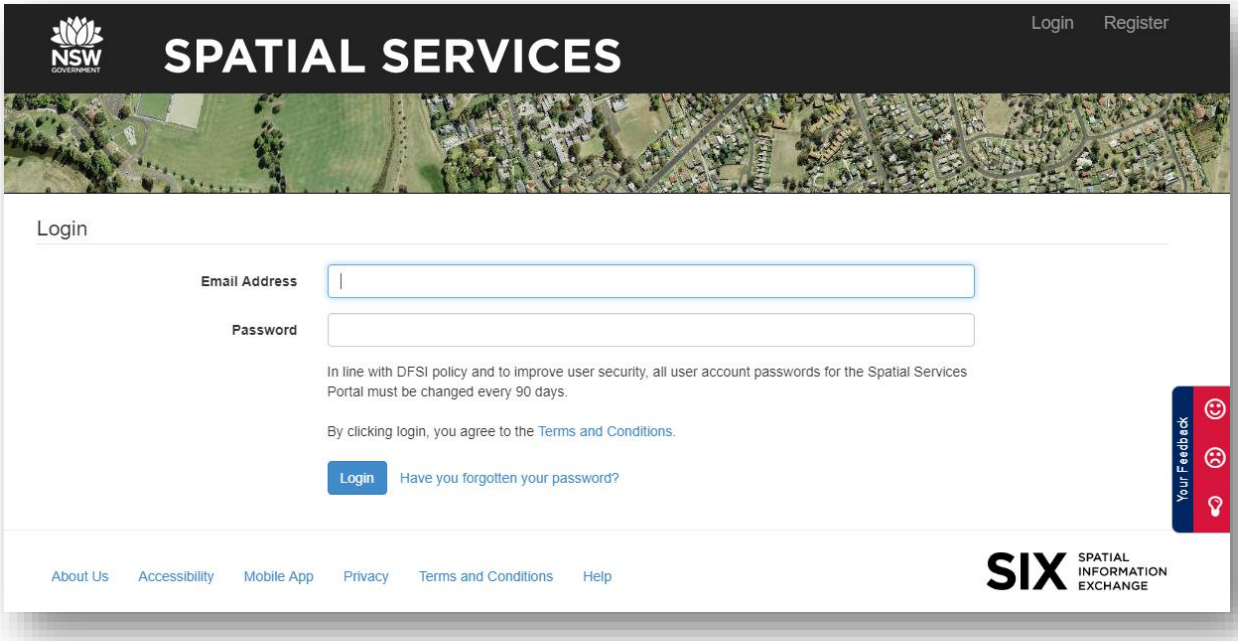
2 Logging in

Go to www.six.nsw.gov.au

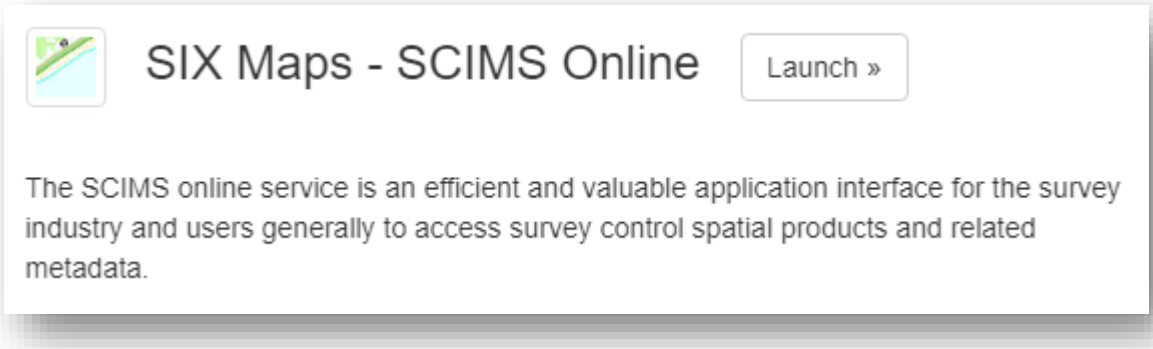
In the top right corner is the link to **Login.**



Enter in your username and password and click **Login**.



You should now have available the option to **Launch** SIX Maps – SCIMS Online. Click Launch and SCIMS Online should open in the same browser tab.

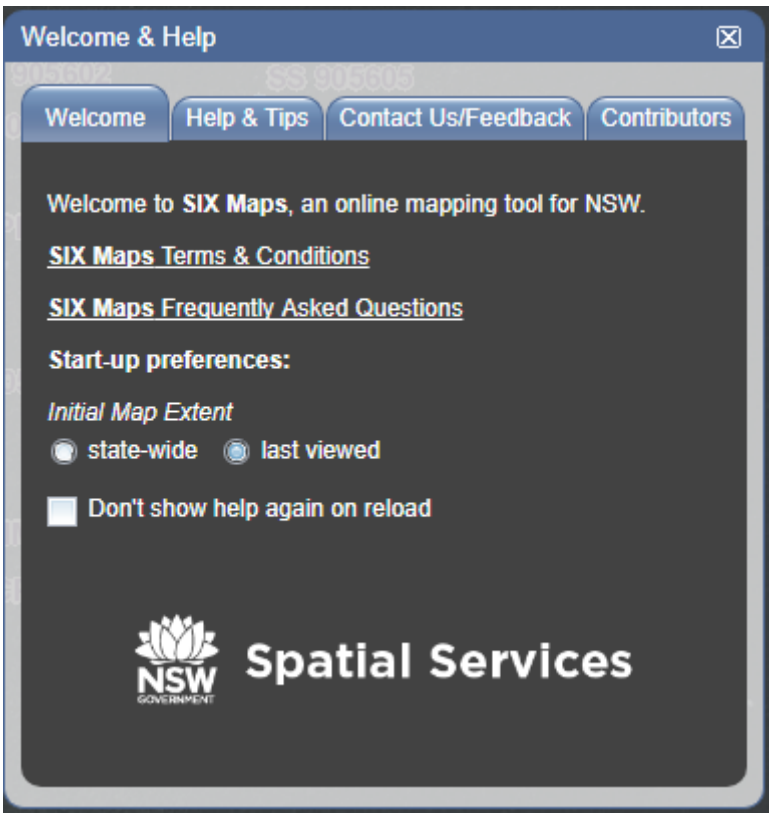


3 Starting SCIMS Online

Help files can be found either through the **Help & Tips** tab of the welcome screen after launching SCIMS Online, or by clicking the **Help** button in the Dock Toolbar at the top of the SCIMS Online toolbar.

On start-up SCIMS Online displays the **Welcome & Help** window. This window provides general information and allows the user to set the initial map extent, providing **state-wide** or **last viewed** options.

The option **last viewed** must be selected before SCIMS Online is closed in order for the same extent to be available when SCIMS Online is launched again.



Welcome screen

Help button in the dock toolbar

4 Navigation

4.1 Zoom in/out

There are several methods of zooming in or out of your area of interest.

4.1.1 Mouse wheel

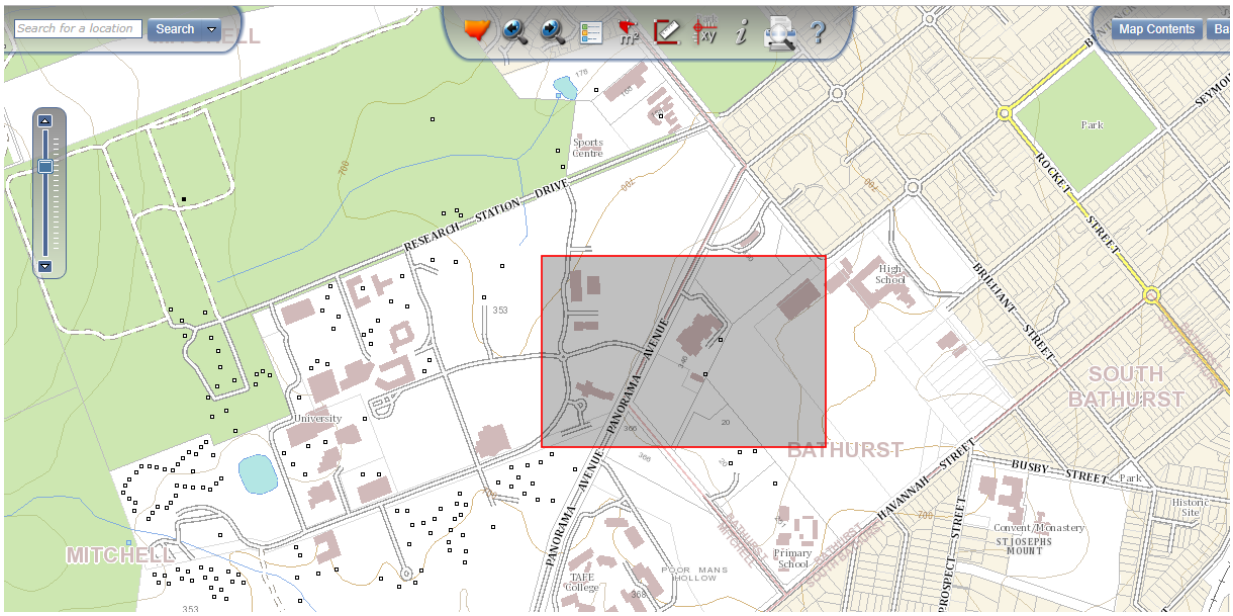
Roll the wheel on your mouse forward to zoom in, or backward to zoom out.

4.1.2 Zoom slider

Click the arrow at the top to zoom in, or click the arrow at the bottom to zoom out. Alternatively, left click and hold the left mouse button down on the slider and drag the slider up to zoom in or down to zoom out. Clicking on a slider position will also zoom the SCIMS Online map pane directly to the selected zoom level.

4.1.3 Zoom in with box

Hold **Shift + left mouse button** and drag the mouse to draw a red box over your area of interest. SCIMS Online will then zoom into the area indicated by the box.



4.1.4 Zoom out with box

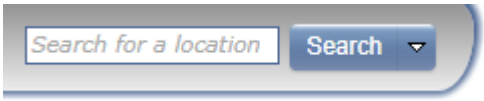
Hold **Shift + Ctrl + left mouse button** and drag a box over the map pane. The smaller the drag box is, the larger the zoom out extent is.

4.2 Pan

Click and hold the left mouse button, then drag the mouse to pan around the map pane. The mouse cursor will change to a 4 arrow pointer. Alternatively, the arrow keys on your keyboard can be used to pan around the map.

5 Search bar

Navigate to the area of interest using the search bar in the top left corner:



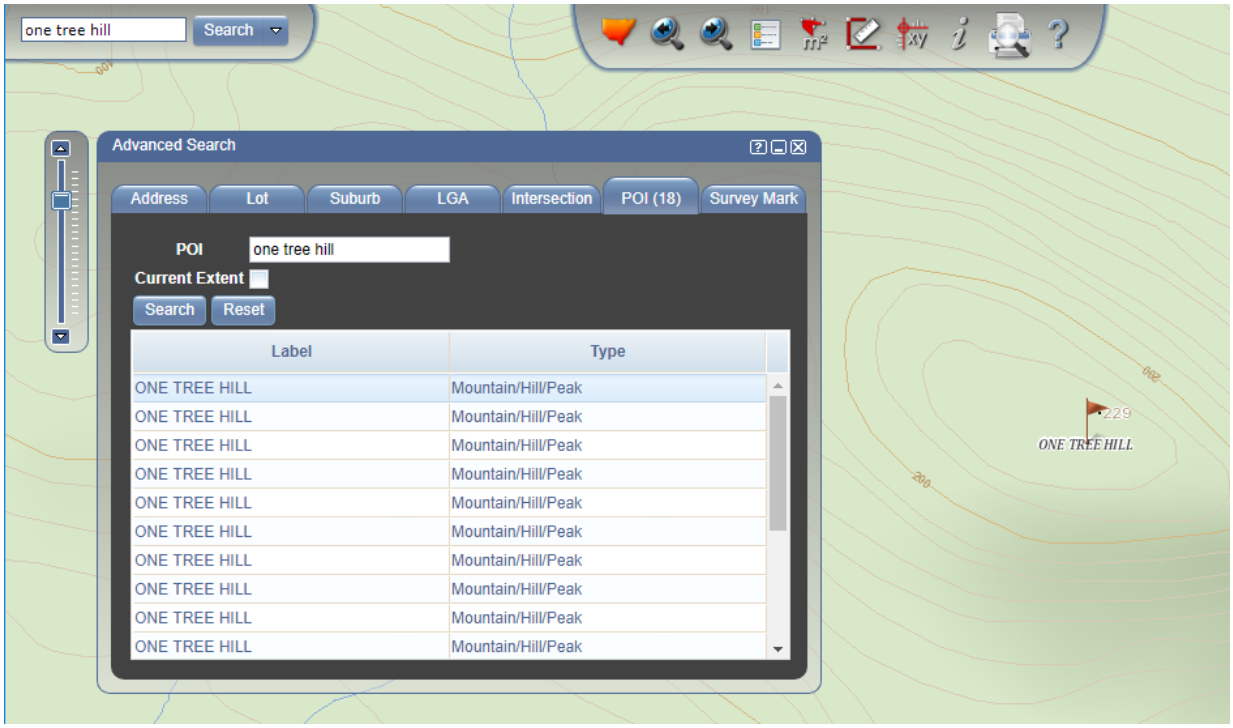
To perform a search, enter your query and hit enter, or click **Search**.

You can search using any of the following criteria:

- Lot/DP (e.g. search for *6/820360* for Lot 6 on Deposited Plan 820360)
- Suburb (e.g. *Wollstonecraft*)
- Town (e.g. *Singleton*)
- Address (e.g. *68 Pitt St Sydney*)
- Survey Mark (e.g. *PM100*)
- Any named topographic point of interest (e.g. *Homebush Bay*)

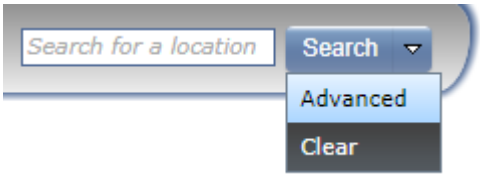
If the search finds a unique feature, the map will zoom directly to the location and highlight the feature.

If multiple close matches are found, the **Advanced Search** pane will open with the results shown, and the map will zoom to the location and highlight the feature of the first record in the result list, as shown in the screen shot below.



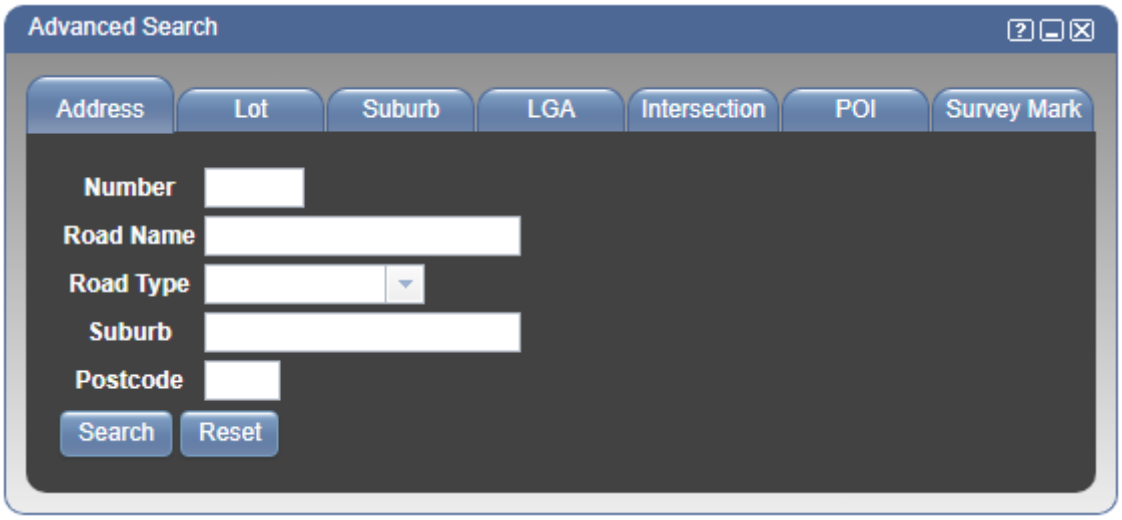
6 Advanced search

To open the Advanced Search pane, click on the **Search** dropdown button and select **Advanced**:



Select the tab that corresponds with the search you would like to perform:

6.1 Address

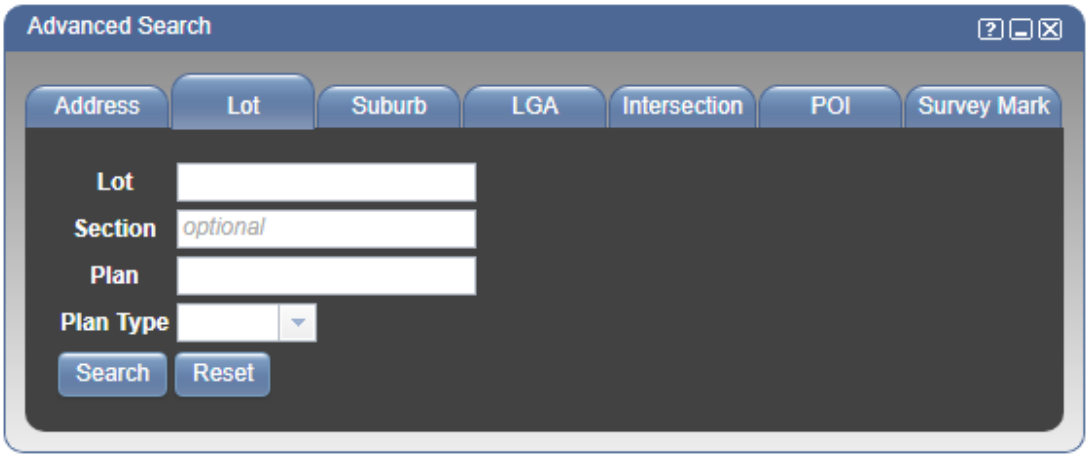


Enter Number, Road Name, Road Type, and Suburb or Postcode.

You must enter at least a Road Name and either the Suburb or Postcode.

Click **Search** or the enter key, and a table will be added to the bottom of the pane containing the search results. If there are no suitable results, the table will display *No matching records found*. Click **Reset** if you need to clear the fields.

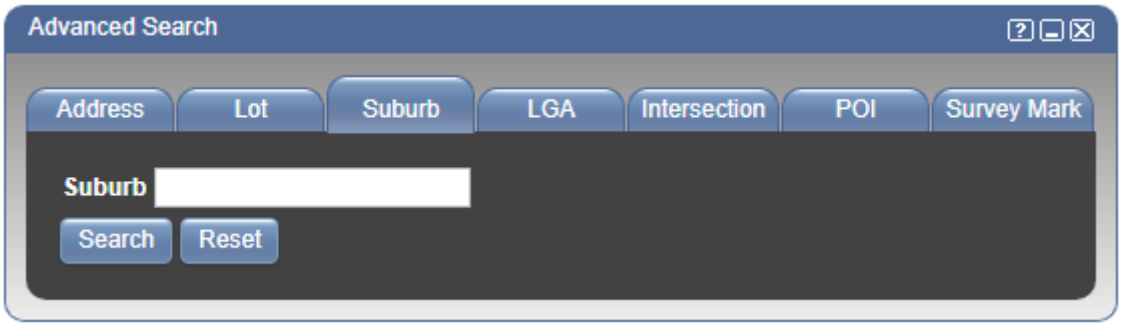
6.2 Lot



Enter Lot (not applicable for Strata Plan), Section (optional), Plan Number, and Plan Type (SP for Strata Plan or DP for Deposited Plan).

Click **Search** or enter. If the Lot or Strata feature is found, the map will zoom directly to the location and highlight the feature. Click **Reset** if you need to clear the fields.

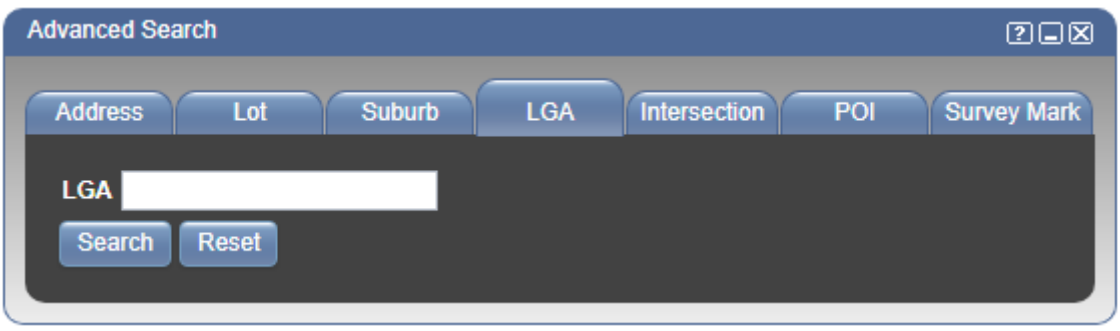
6.3 Suburb



Enter the Suburb or Town name. Click **Search** or enter. **Reset** will clear the field.

If the Suburb or Town is found, the map will zoom directly to the location and highlight the feature boundary.

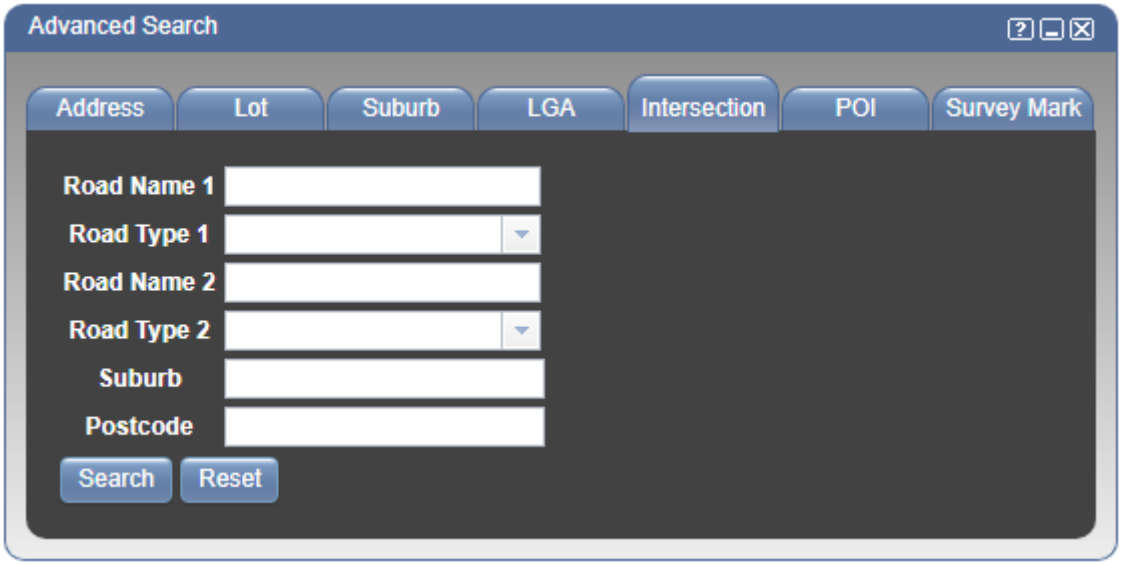
6.4 LGA



Enter the Local Government Area (LGA) name. Click **Search** or enter. **Reset** will clear the field.

If the LGA is found, the map will zoom directly to the location and highlight the feature boundary.

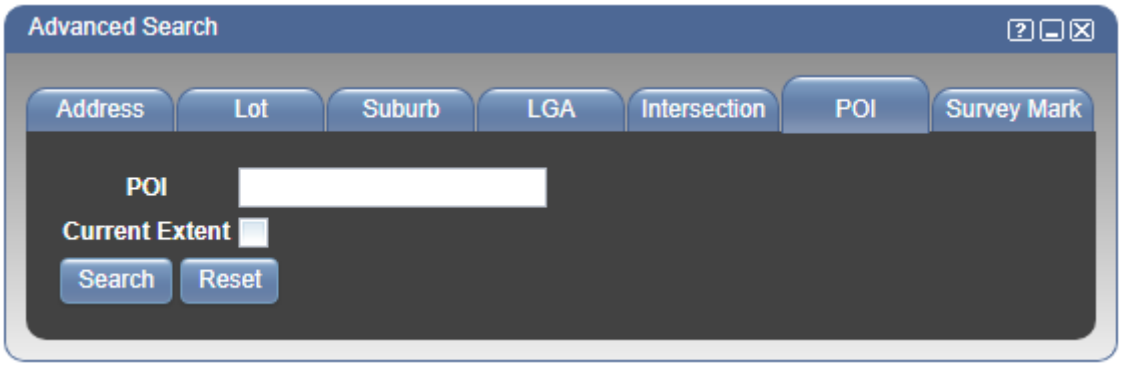
6.5 Intersection



Enter the two intersecting Road Names and Road Types, as well as the Suburb or Postcode. You must enter either the Suburb or Postcode.

Click **Search** or enter. Clicking **Reset** will clear the fields.

6.6 POI



Enter a named topographic Point of Interest (POI), e.g. *Opera House*.

Click **Search**. Clicking **Reset**

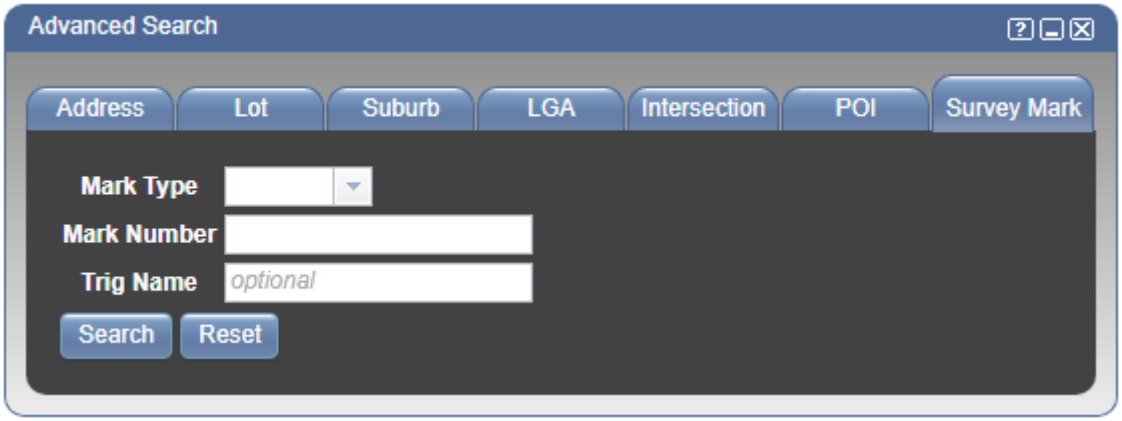
The search will return anything containing the search query. The results are prioritised by City, Town and Suburb, with any other features following.

If a point of interest is found, the map will zoom to the location and highlight the first feature in the list of results.

Placing your mouse cursor over a result in the list will highlight the feature on the map with a flag. Click on the result to zoom to that feature.

Once you have zoomed into the approximate area of interest, selecting the **Current Extent** checkbox and search that will restrict the search to find features within that extent.

6.7 Survey Mark



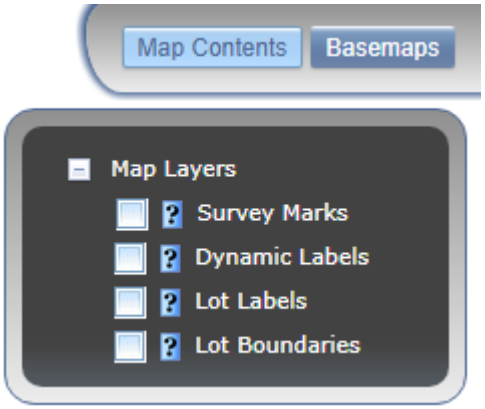
Enter the Mark Type and Mark Number, or the Trig Name.

Click **Search**. Clicking **Reset** will clear the fields.

Any Survey Mark found matching that query will appear in the Properties summary section of the screen. The map will zoom directly to the location and highlight the Survey Mark feature.

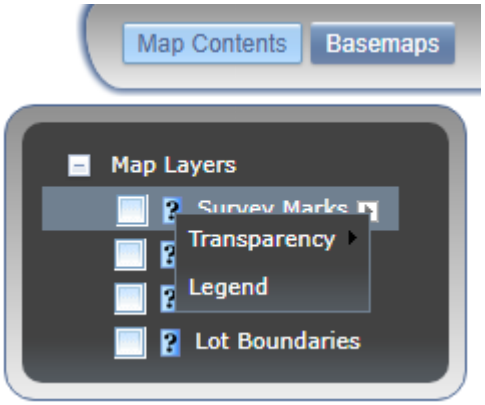
7 Map Contents

Click on the **Map Contents** button in the top right hand corner to open the Map Layers menu. The menu can be closed by clicking the button or anywhere outside the Map Layers pane. The Map Layers pane controls the features which will be displayed on the map. A checkbox next to a layer name means that layer is being shown on the map.

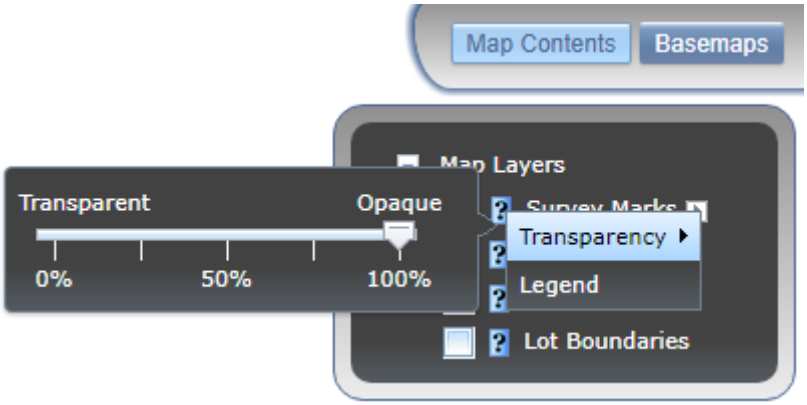


Check the box next to your chosen layer to turn on the layer features. If they do not appear there may be no features available at your current scale, try zooming in. Uncheck the box to turn the layer off.

By default the Map Contents will only display the current Map Layers. However Graphics Layers will also be displayed upon performing drag & drop of a new graphics layer. Refer to the **Drag & Drop** help section for more information.

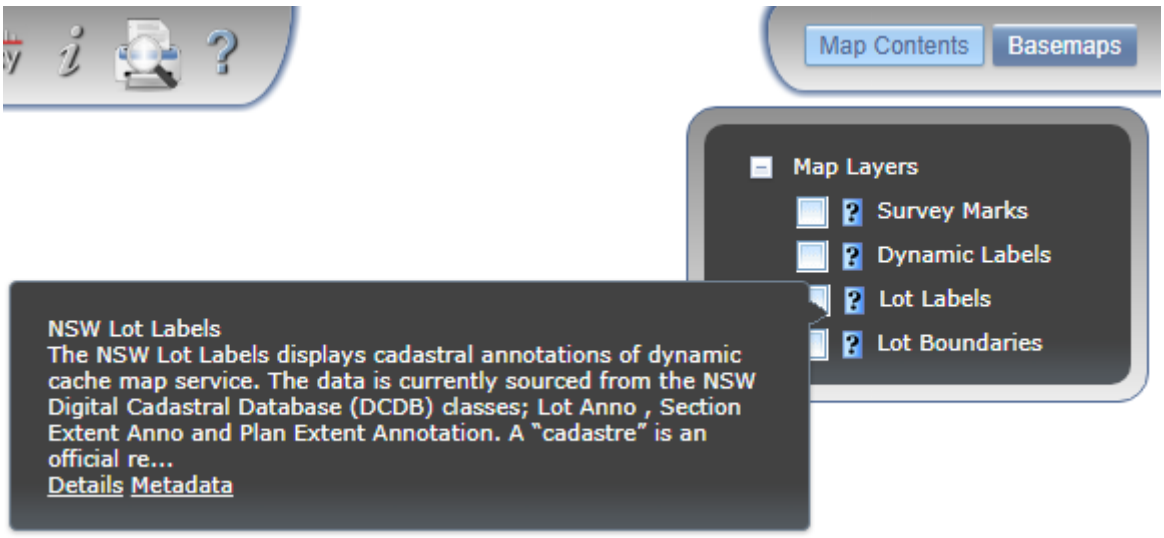


Click on the arrow next to the map layer to access a context menu, from which you can change the transparency, The Survey Marks layer has the option to display the legend (also available through the **Show Legend** button on the dock toolbar).

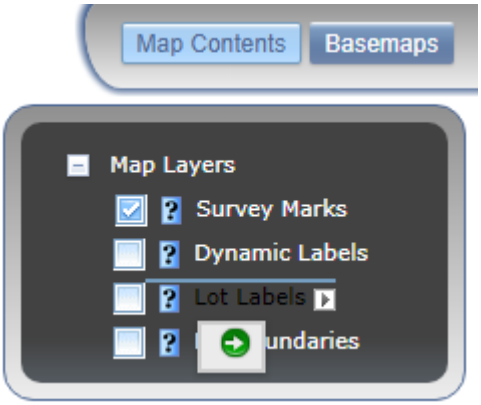


Place cursor over the transparency option in the context menu to access the slider, with which you can change the transparency of the layer.

Click the **View Metadata** icon  next to each layer to open a new tab with information about that layer.



To re-order layers, click and hold the layer label and drag it to the desired position. A green arrow will appear to show that the selected layer can be moved to the new position.



When released, the position will change in the list and the layer's features on the map will have been reordered. The new order will be saved for the duration of the session only.

On refreshing the browser the layers will return to their default order.

Holding the **Ctrl** key while clicking a layer on (or off) will turn all layers on (or off).

8 Basemaps

Click on the **Basemaps** button in the top right corner to open the Basemaps pane. The menu can be closed by clicking the Basemaps button or anywhere outside the Basemaps pane.

The basemap menu shows the currently selected foreground and background basemaps. You can transition between these two basemaps using the slider, or by clicking on either the foreground or background tile.

To open the basemap gallery, place the cursor on the tile for the basemap you would like to change, and click on the spanner icon. To select a new basemap from the gallery, click on the basemap tile.

To view the basemap details, place the cursor on the basemap tile and click the information (italic *i*) icon. An information box will appear with details and copyright messages for the basemap tile you selected.

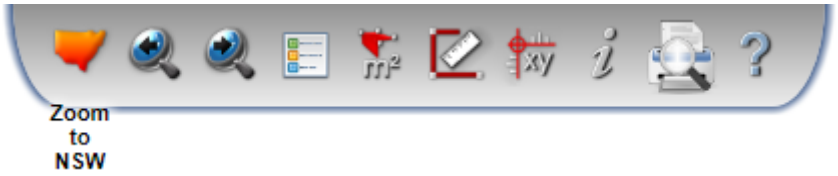
Some basemaps will have a Metadata link at the bottom. Click the **Metadata** link to open a new browser tab which will open with metadata for that basemap from the NSW Spatial Data Catalogue.

If the preview image shows a blank white tile or a grey tile stating *Map data not yet available*, there is no data at this scale and extent for that basemap. Try zooming out to find data at a higher scale.

9 Dock toolbar

This section provides information on the tools available in the dock toolbar at the top of the SCIMS Online screen. When the mouse cursor is hovered over a tool, that tool's name is displayed beneath the tool's icon. When a tool is active, the tool's icon will have an orange light above it. To deactivate that tool, either click the icon again, close the tool's pane, or activate another tool.

9.1 Zoom to NSW

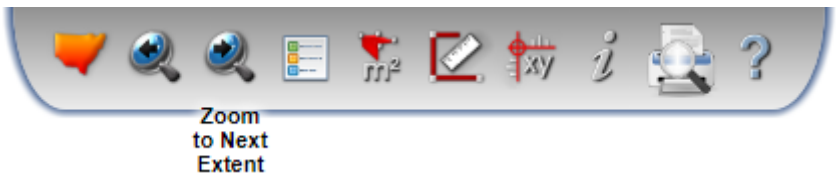


Left click on **Zoom to NSW** to change the map extent to whole of New South Wales.

9.2 Zoom to Previous Extent

Left clicking on the **Zoom to Previous Extent** tool will return the map to the previous extent (if there is a previous extent). Subsequent clicks will continue to cycle through previous extents.

9.3 Zoom to Next Extent

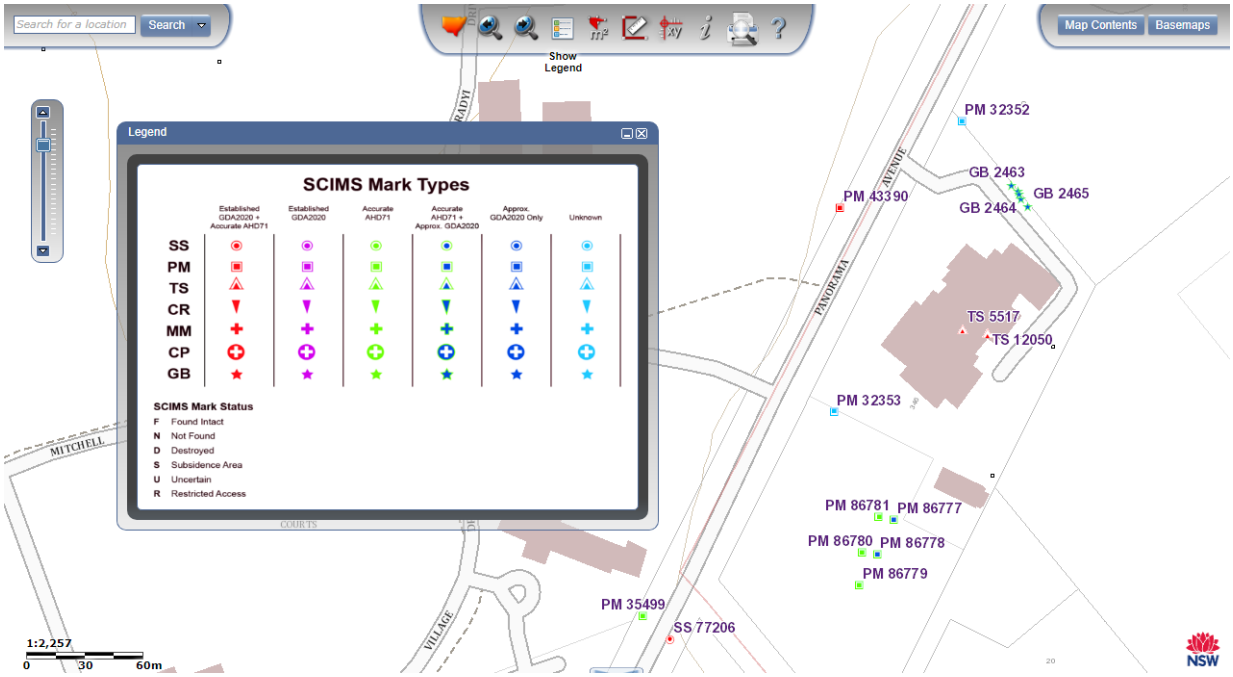


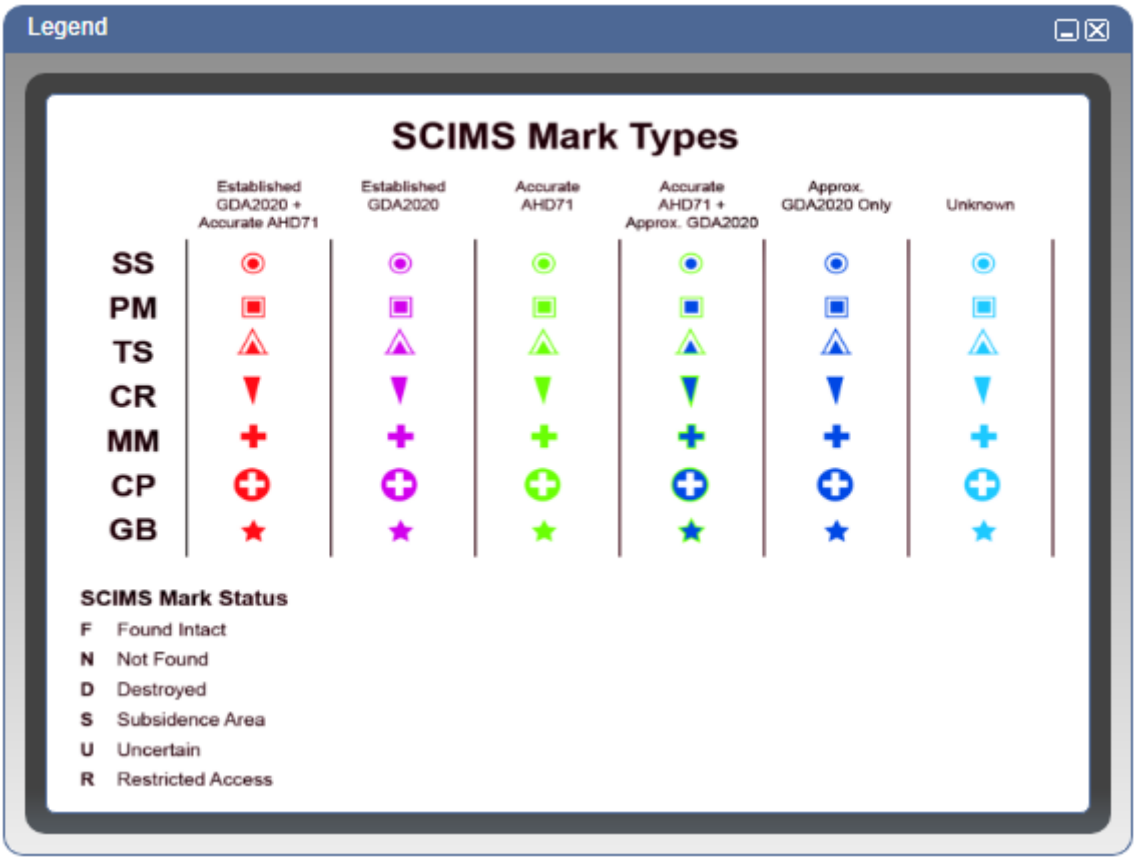
Left clicking on the **Zoom to Next Extent** tool will take the map to the next extent (if there is a next extent). Subsequent clicks will continue to cycle through the next extents.

9.4 Show Legend

Selecting the **Show Legend** tool will display a legend which defines the icons depicting the positions of the permanent survey marks. Each icon relates to the survey mark type (denoted by the icon's shape) and the accuracy of the spatial data held for each mark within the SCIMS

database (denoted by the icon's colour). The legend also includes a description of the mark statuses that appear at the end of some mark numbers on the map.





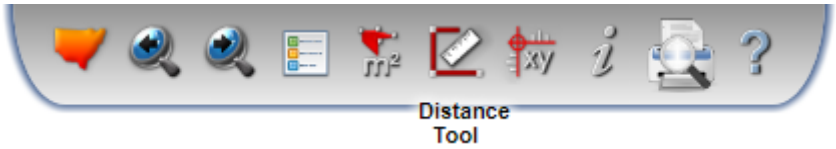
9.5 Area Tool

When the tool is activated, the **Area Tool** pane will display. To move the pane, left-click and hold the blue title bar on top of the pane and drag the pane.

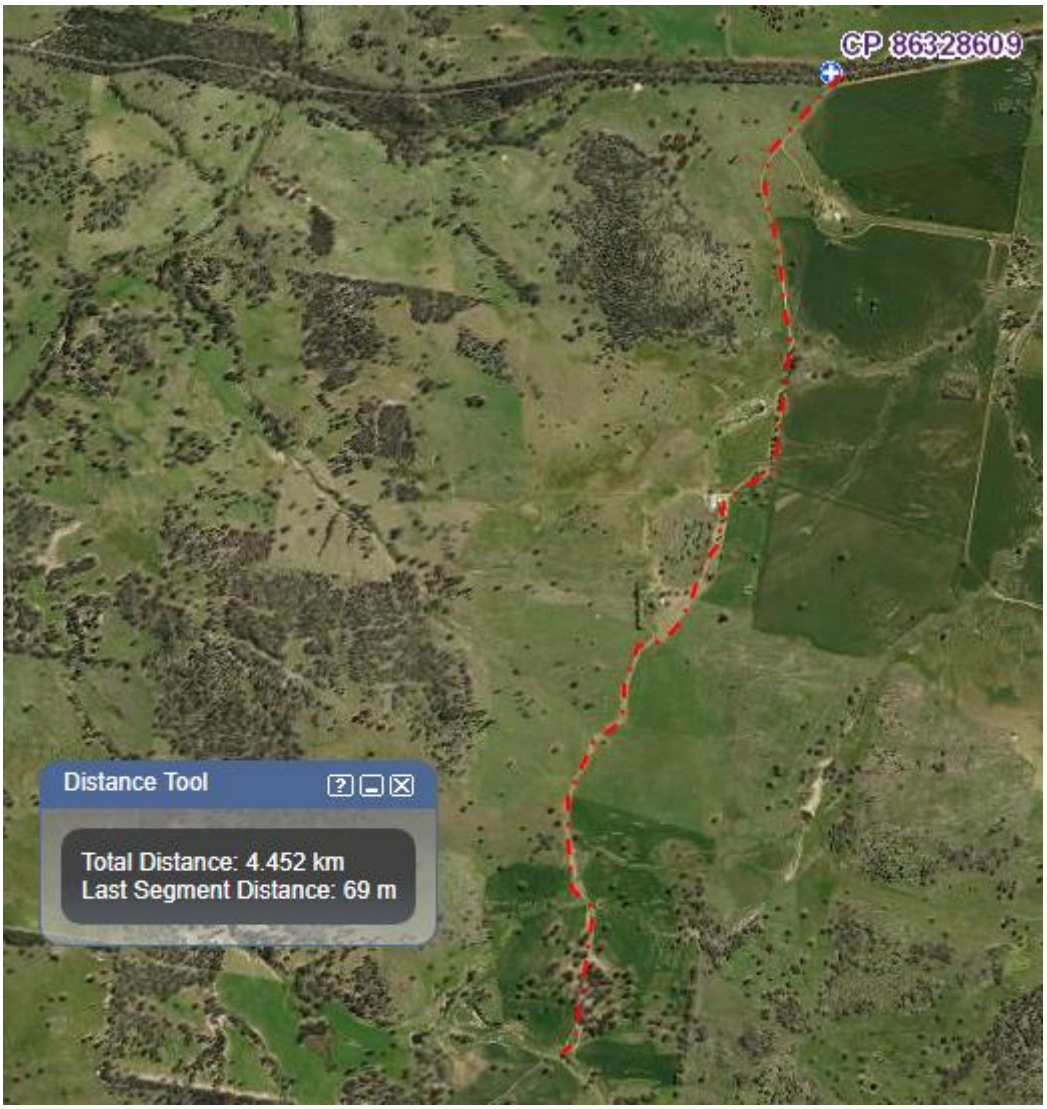
Left-click on the map to start marking the area to be measured. Keep clicking at each corner or bend of the area you want to measure, clicking only once each time, until you have traced out the boundary of the area you want to measure.

Double click to complete the boundary and calculate the area and perimeter of the polygon you have drawn.

9.6 Distance Tool



When the tool is activated, the **Distance Tool** pane will display. To move the pane, left-click and hold the blue title bar at the top of the pane and drag the pane.

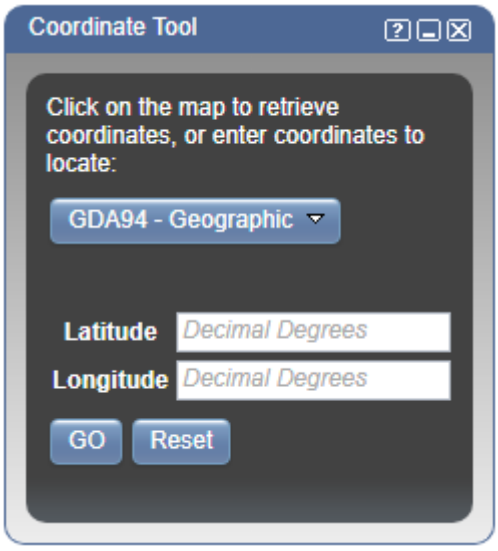


Left click on the map to start measuring. Clicking again will end the current line segment, and the measurement will be displayed in the tool pane. The length of the last segment is also returned.

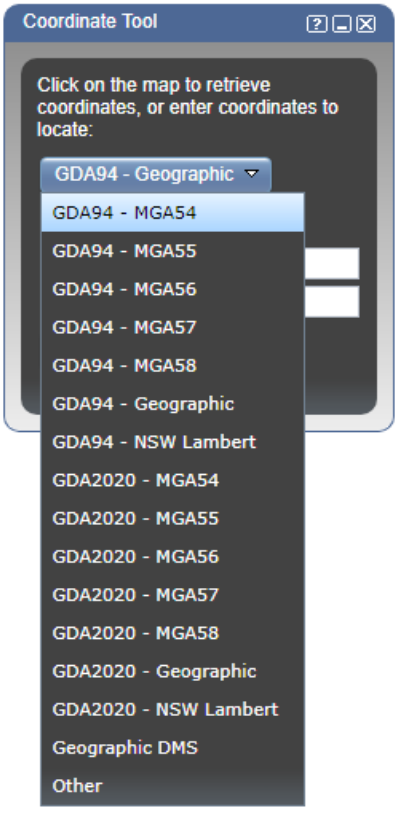
To finish the measurement, double-click on the map. The solid red line will change to a dashed red line to indicate that the measurement has finished.

9.7 Coordinate Tool

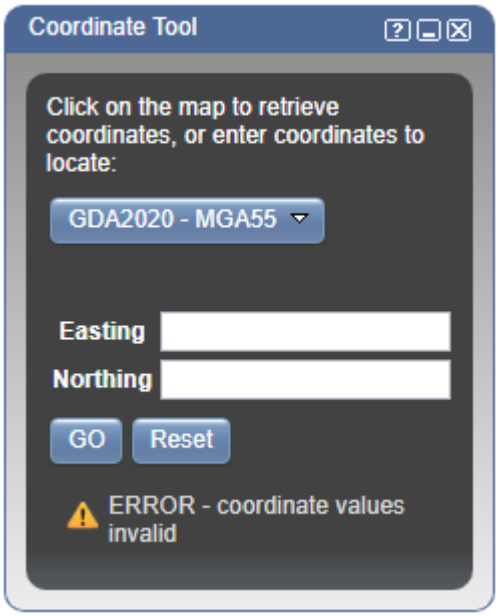
When the tool is activated, the **Coordinate Tool** pane will display. To move the pane, left-click and hold the blue title bar at the top of the pane and drag the pane.



Left click on the map to capture the coordinates for that point, which will display in the coordinate fields.



The maps are displayed in a Geographic Coordinate System (GCS). You may change to a projection type using the dropdown menu. This will convert the selected point in geographic coordinates into coordinates in your selected projection. This will not re-project the maps into your chosen projection.



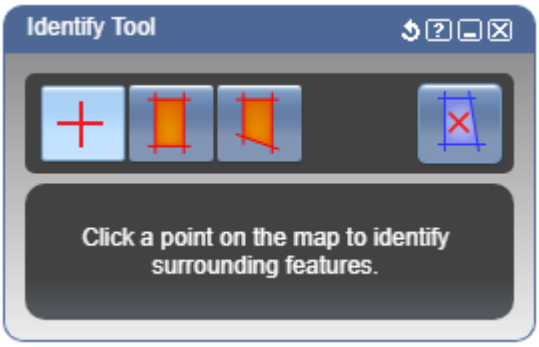
If a valid set of coordinates are contained in the fields, the tool will attempt to convert the coordinates to the selected projection. If the conversion is not successful an error message will be displayed.

To pan and/or zoom to a location for which you know the coordinates, enter the coordinates in the fields, and click the **Go** button. The map will move to the point entered. The **Reset** button will clear the current coordinates.

If you are using a mobile device (e.g. a tablet or an iPad), you will have an extra button, **Current Location**. This will attempt to approximate your location using the device's built in GPS, or network signal.

9.8 Identify Tool

When the tool is activated, the **Identify Tool** pane will display. To move the pane, left click and hold the blue title bar at the top of the pane and drag the pane. Left click on the map to perform an identify operation. A loading message will appear which disappears once all results have been received.



You may choose one of four options when performing an identify operation:

9.8.1 Identify Features by Point 

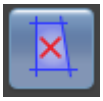
This option is selected by default. This allows for the selection of one point at a time.

9.8.2 Identify Features by Rectangle 

This option allows for the selection of one or more features at a time using a rectangle as the selection tool. Click and drag a rectangle on the map, and all features within that area will be identified.

9.8.3 Identify Features by Polygon 

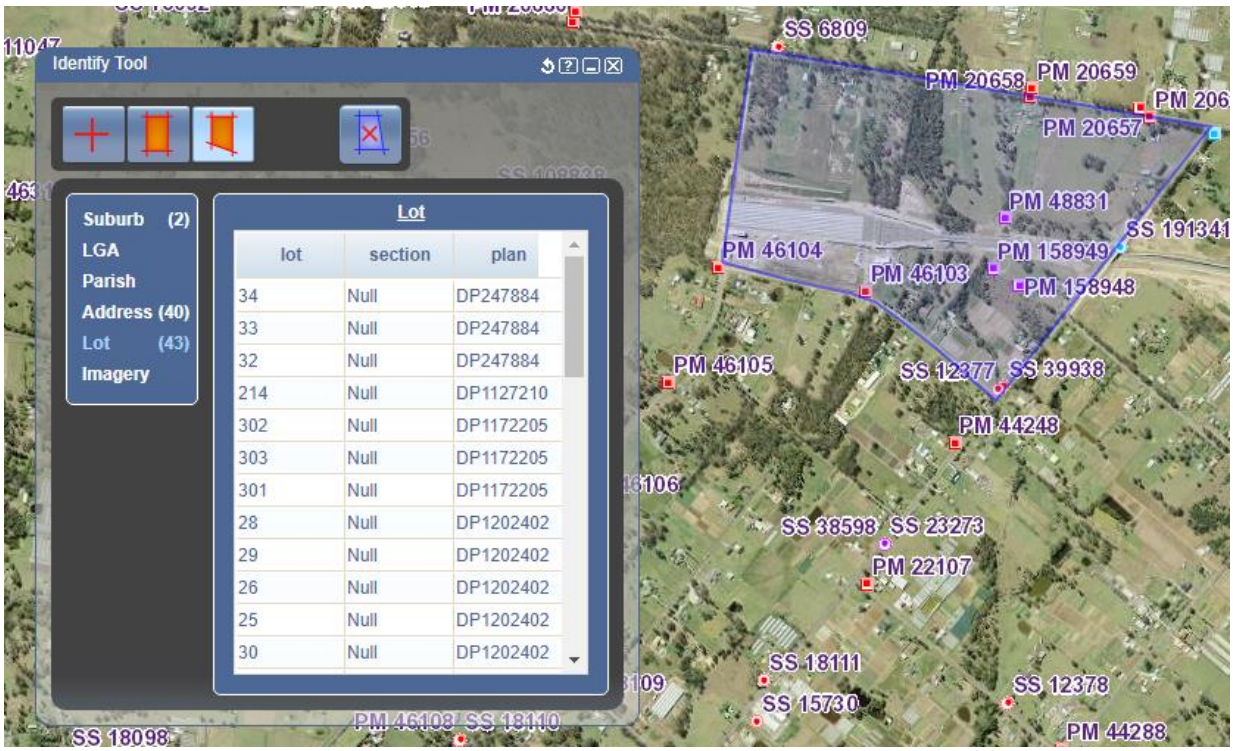
This option allows for the selection of one or more features at a time using a polygon as the selection tool. Click a point on the map to start drawing the polygon. Continue clicking to add further points, then double click to complete the polygon. All features within that area will be identified.

9.8.4 Remove Selection Graphic 

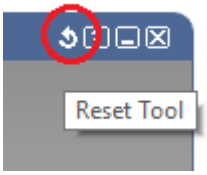
Click this button to remove the current selection graphic from the map.

9.8.5 Identify Tool Results

Identify results include Suburb, LGA, Parish, Address, Lot and Imagery. Each set of results is displayed as a separate category in the tool pane. Clicking on an individual result will zoom to its location and highlight the feature. The total number of results for each category is given by a number in brackets if the number is greater than one.



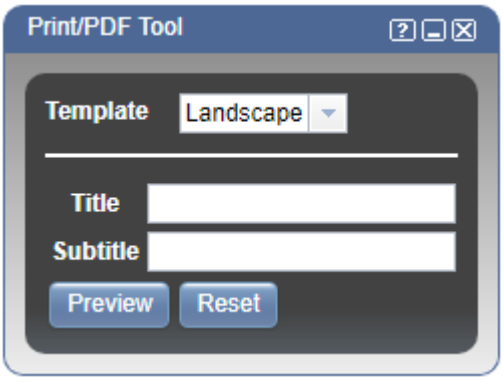
Different results may be available at different scales. For example, lot results may not be available in some areas at scales beyond 1:144,448. Try zooming in closer before using the identify tool to view these results.



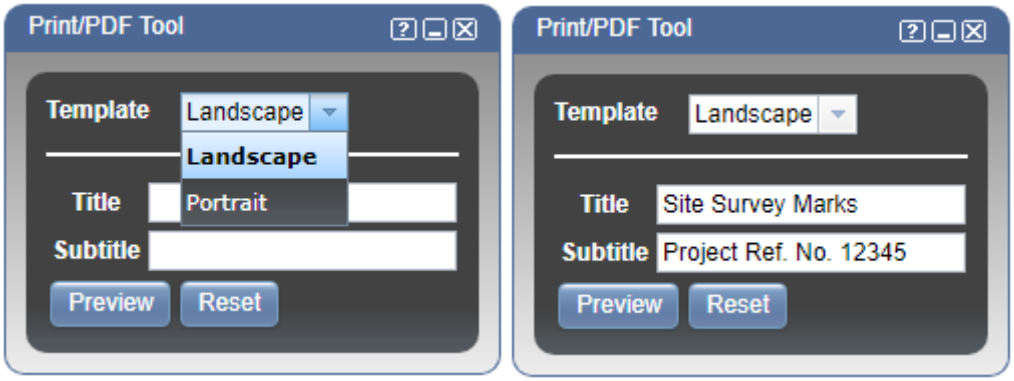
Click the **Reset Tool** icon in the title bar at the top right of the Identity Tool pane to clear the current set of results.

9.9 Print/PDF Tool

The **Print/PDF Tool** provides the ability to generate a print preview, which you can then print or view/save as a PDF file. Zoom into the area of interest and click the Print/PDF Tool.

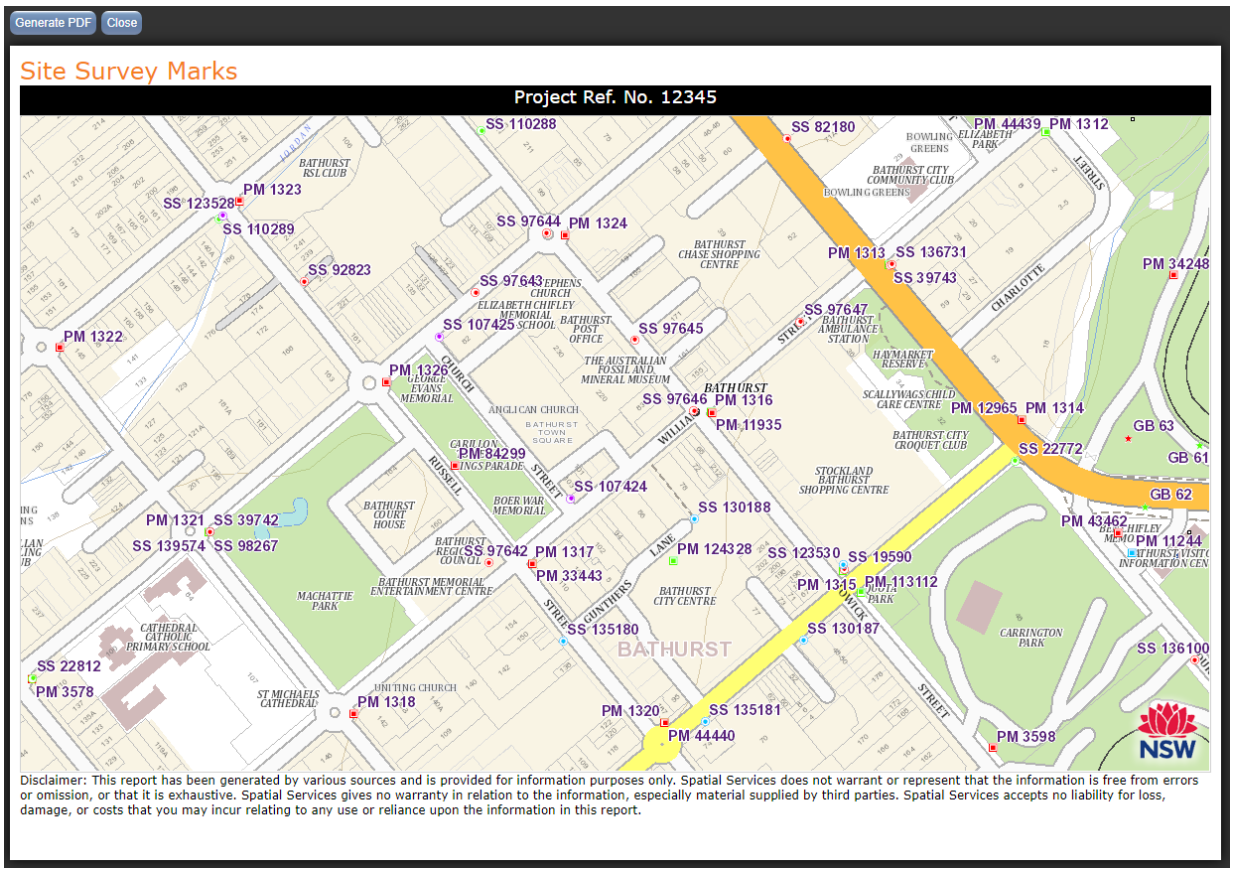


When the tool is activated, the Print/PDF pane will display. To move the pane, left click and hold the blue title bar and drag the pane.



Select a **Template** (Landscape or Portrait) from the dropdown menu. Enter any desired **Title** or **Subtitle** you would like on your map in the fields available. Click the **Preview** button to generate the print preview.

The **Reset** button can be used to clear the text in Title and Subtitle fields.



Click **Preview** to generate a preview of the output including the Title and Subtitle if any have been specified. Once the preview has been generated, you may zoom in or out or pan the map to attain your required extent. Click the **Generate PDF** button, which will generate and open a PDF version of your map in a new browser tab. From here you may save or print the PDF file as required.

To return back to the map view, click the **Close** button on the top left corner in the window to return to the SCIMS Online view.

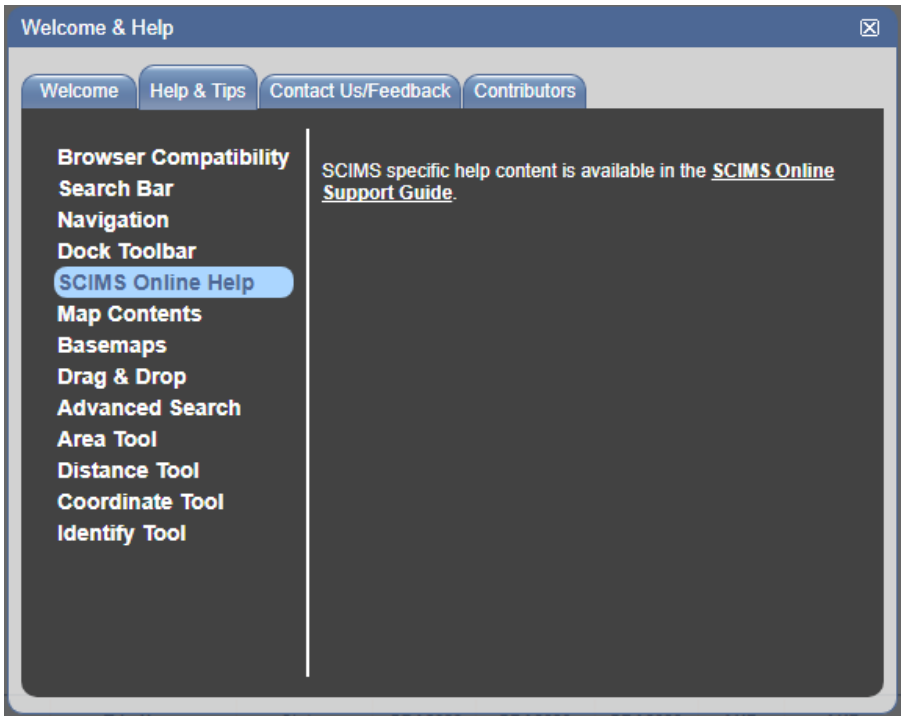
9.10 Help

Left clicking on the **Help tool** will open the Welcome & Help pane. There are four tabs which can be selected to find out more information, the **Welcome**, **Help & Tips**, **Contact Us/Feedback** and **Contributors** tabs.

9.10.1 Welcome tab

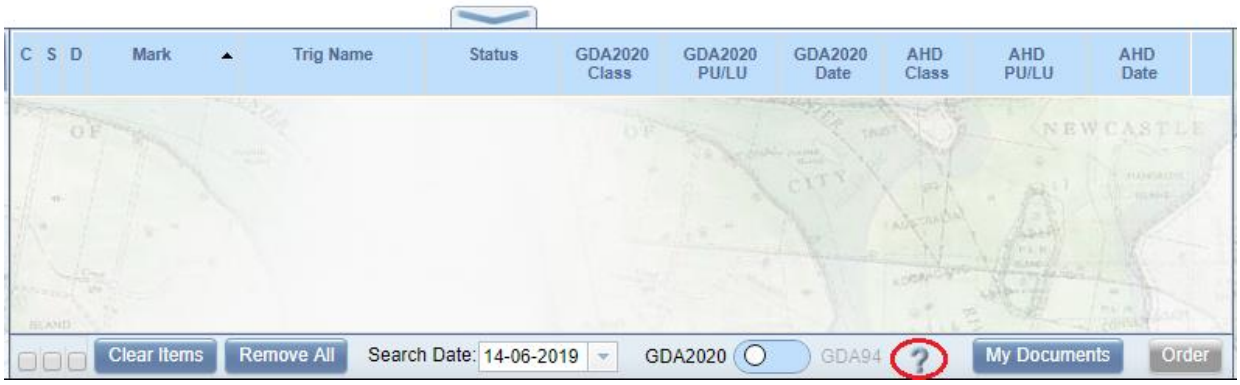
The **Welcome tab** contains links to the SIX Maps Terms & Conditions as well as Frequently Asked Questions. This tab is also where SCIMS Online users can specify whether the initial map extent should be state-wide or the last viewed map extent. Users can also choose whether the help screen should be shown when SCIMS Online is next opened.

9.10.2 Help & Tips tab



Select the **Help & Tips tab** for information on standard map viewer operations. For information specific to SCIMS Online functions such as searching for marks and downloading marks, select the **SCIMS Online Help**. Clicking on the provided link will download the SCIMS Online Support Guide.

Access to the SCIMS Online Support Guide is also available in the SCIMS Toolbar at the bottom of the selection pane near the bottom of the screen.

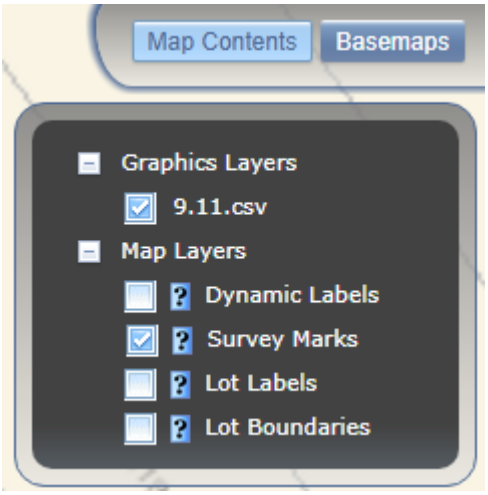


9.11 Drag & Drop

The SCIMS Online viewer supports Drag & Drop functionality in Mozilla Firefox or Google Chrome. Drag & Drop is not supported in current versions of Internet Explorer or Safari.

The Drag & Drop functionality enables other data sources to be overlaid with the data provided in the viewer.

Click the item you want to import in your device's file explorer, drag it over the SCIMS Online map pane and drop it anywhere on the map. If successful the new data will show on the map, and appear as an operational layer in the **Map Contents** under the **Graphics Layers** node.



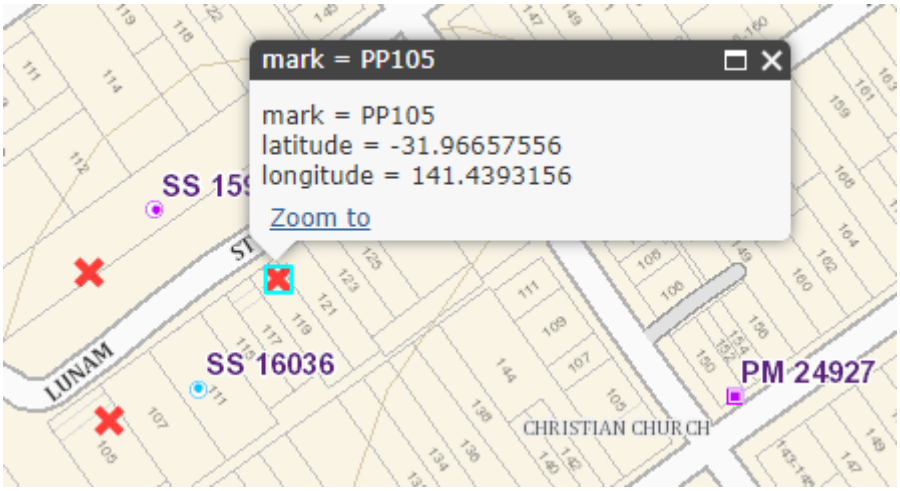
The following formats are currently supported by Drag & Drop:

- ArcGIS REST endpoint URL
- KML endpoint URL
- CSV file containing Latitude and Longitude fields

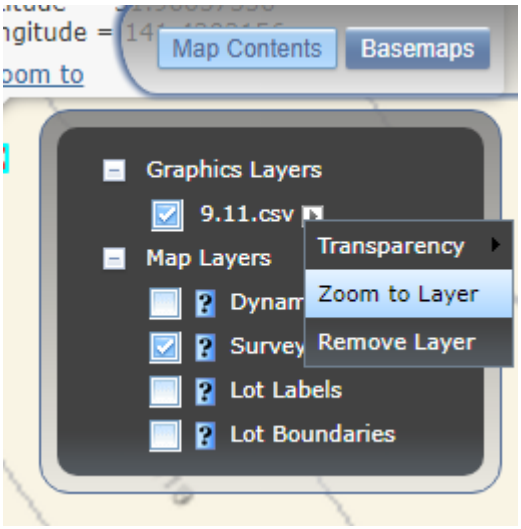
- JSON file containing ESRI JSON formatted content
- Geo-tagged image files

For CSV files, there must be headers ‘Latitude’ and ‘Longitude’ with coordinates in decimal degrees - see example below.

```
mark        latitude       longitude

PP103       -31.96722222   141.4384167

PP104       -31.96655556   141.4383056

PP105       -31.96657556   141.4393156
```



If a point in a drag & drop CSV file graphics layer is clicked with the left mouse button, the mark, latitude and longitude is displayed.



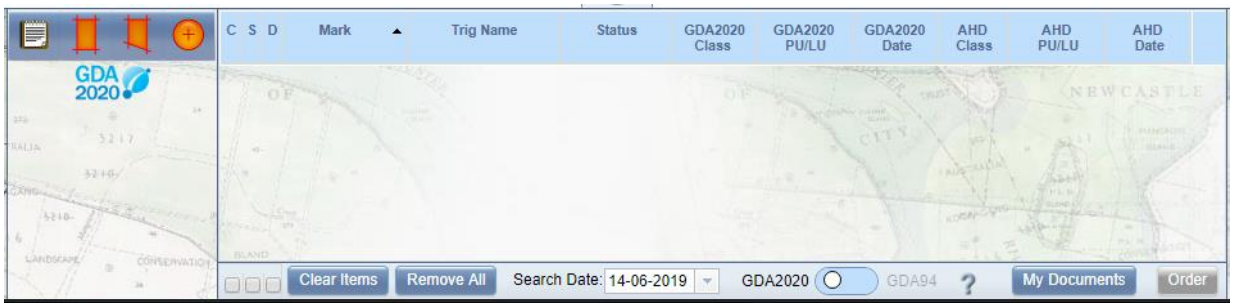
Left-click on the small arrow button next to the drag & drop layer in the Graphics Layers list to bring up the options to change the layer’s **Transparency**, to **Zoom to Layer** and to **Remove Layer** from the list of displayable layers.

10 SCIMS operating tools

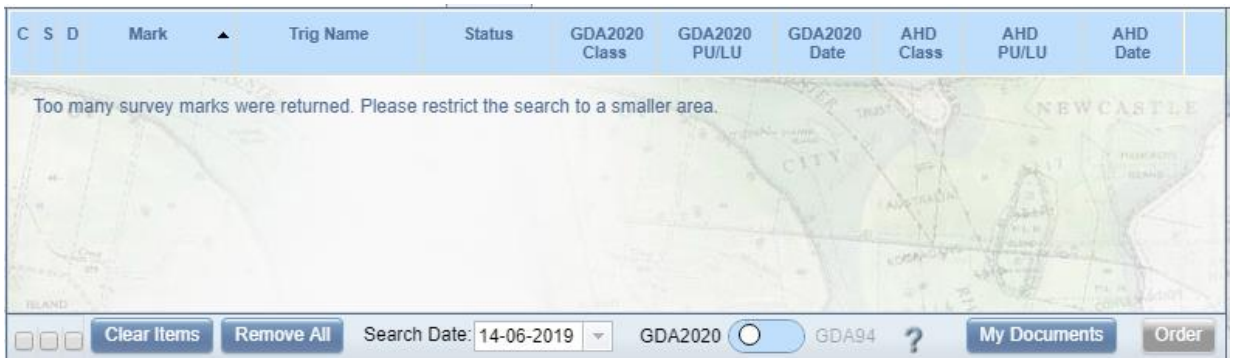
All SCIMS operating tools are situated under the map image screen on and around the selection pane.

The SCIMS tools pane can be minimised and maximised by clicking on the broad arrow situated in the middle and above the dividing line between the map pane and the SCIMS tools pane.

11 Mark selection



The mark selection tools enable the SCIMS Online user to select survey marks to suit their requirements by using the **Load survey marks from file**, **Rectangle**, **Polygon** or **Radius** tools.

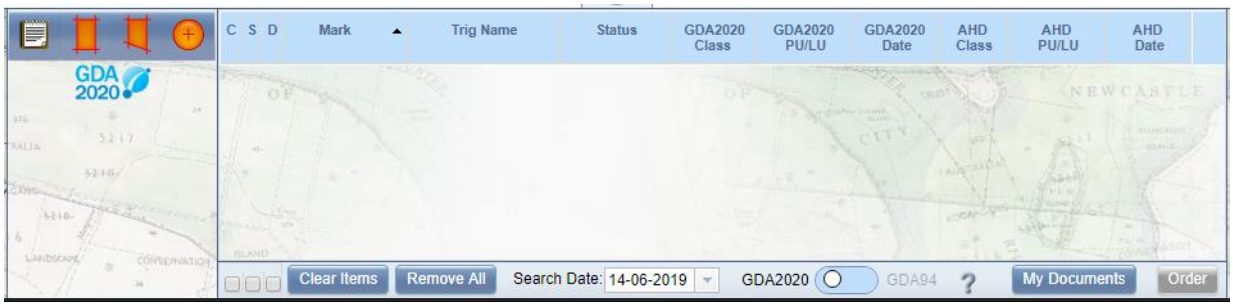


Up to 100 marks can be selected at the one time. If more than 100 survey marks have been selected, a message will appear saying *Too many survey marks were returned. Please restrict the search to a smaller area.*

11.1 Selecting the datum

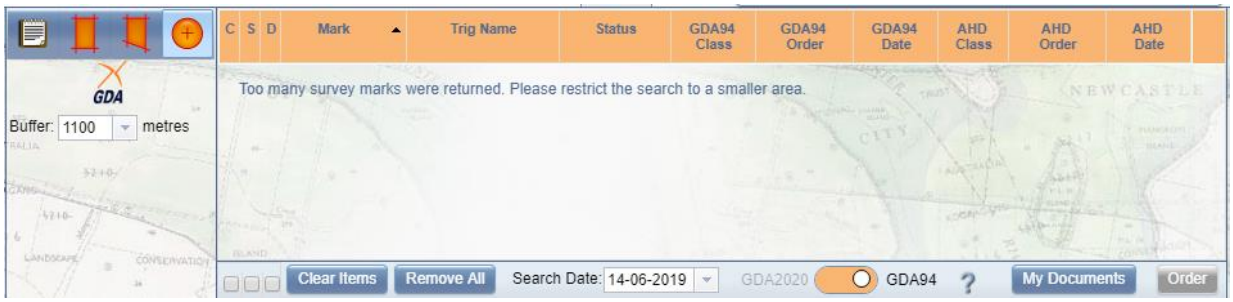
Use the toggle button at the bottom of the selection pane to choose whether you wish to download survey mark coordinates in GDA2020 or GDA94. The default datum when SCIMS Online is launched is GDA2020. To change the datum to GDA94, click the **toggle** button at the bottom of the mark selection pane. To change back to GDA2020, click the **GDA2020** button at the bottom of the mark selection pane.

11.1.1 GDA2020



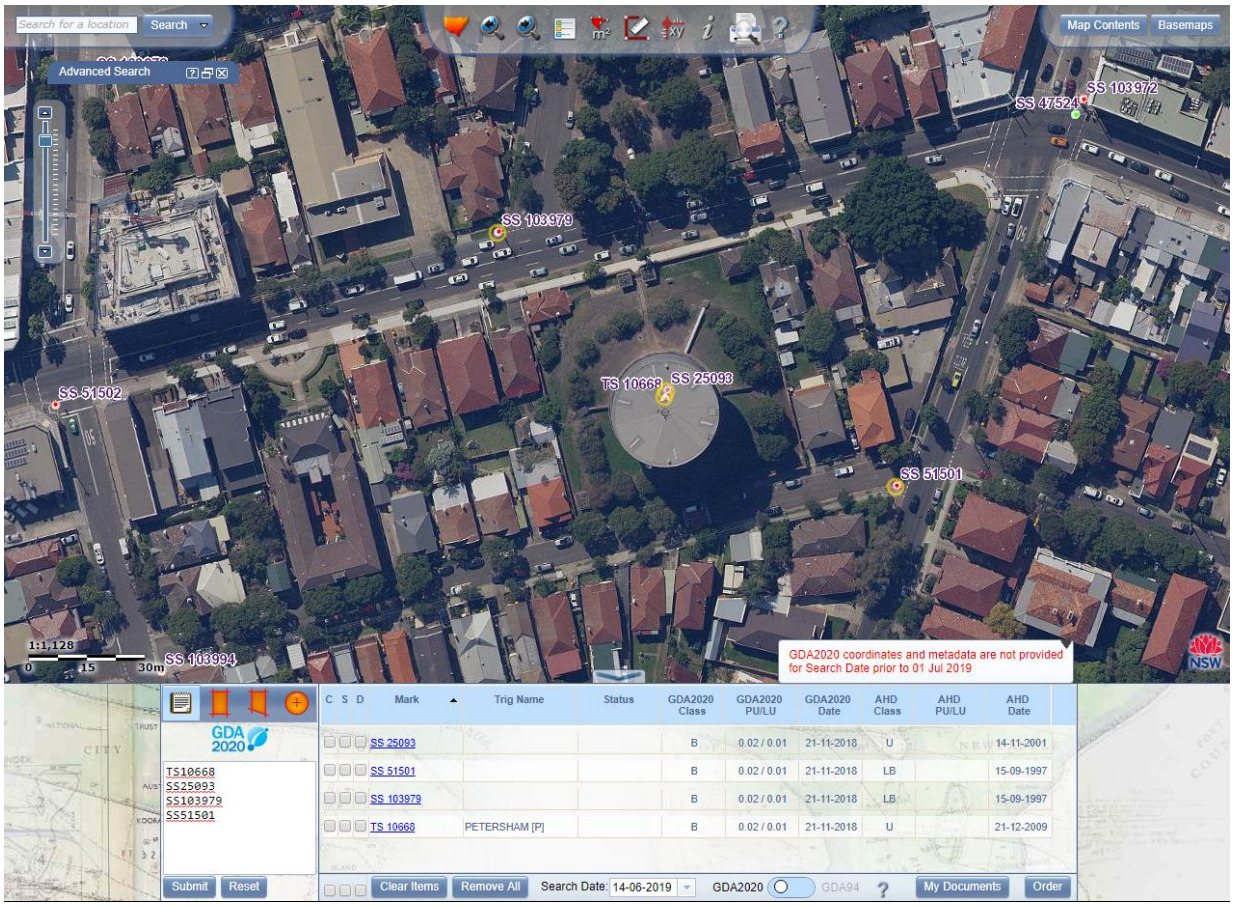
The above screenshot shows the selection pane when GDA2020 is selected. The theme colour for GDA2020 is blue.

11.1.2 GDA94



The above screenshot shows the selection pane when GDA94 is selected. The theme colour for GDA94 is orange. Note that the position of the marks and the symbology (i.e. the colours of the survey marks' icons) are based on that mark's GDA2020 coordinates and heights. The positions and symbology of the marks may not reflect the mark's GDA94 values. Also note that the column headers have changed to GDA94.

11.2 Load survey marks from file

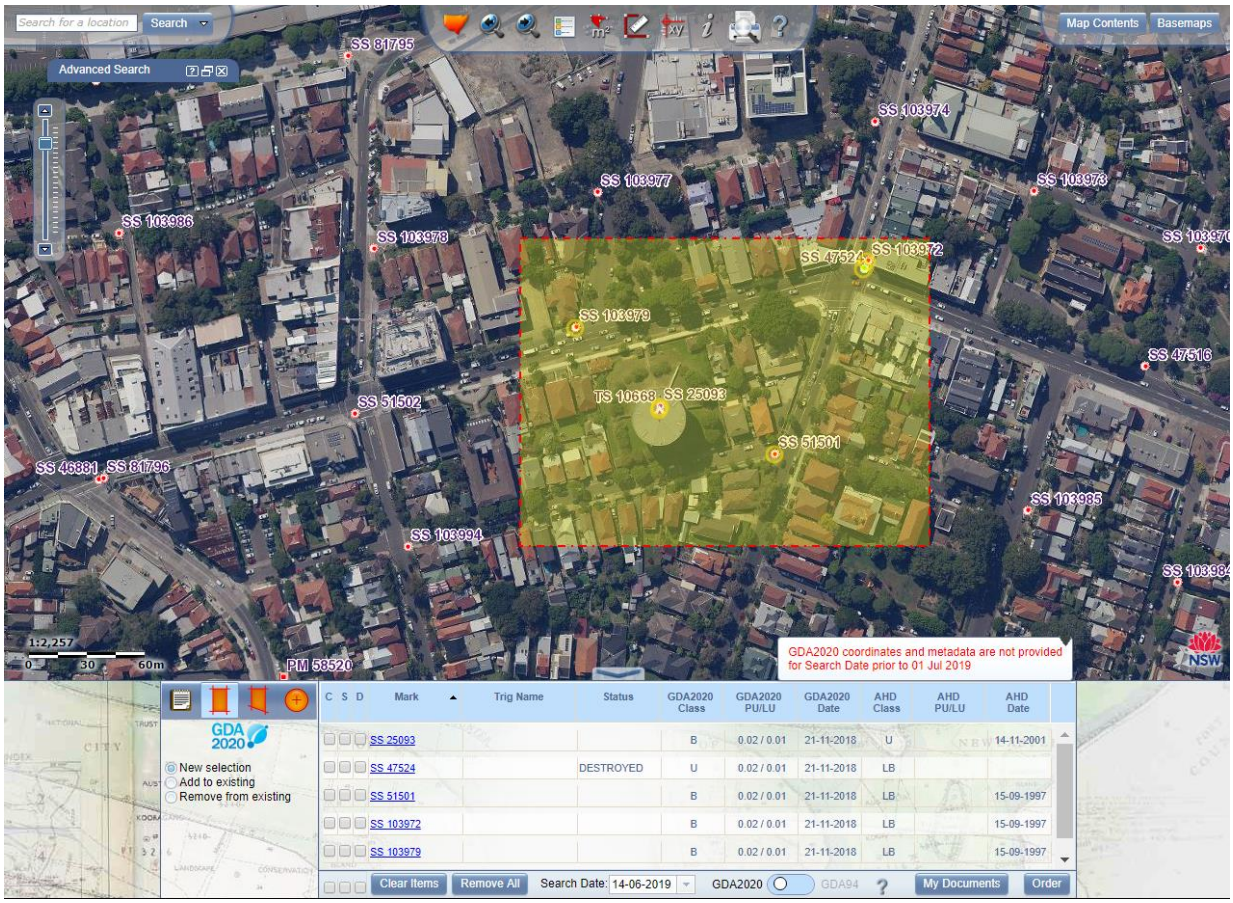


To initiate a search using this tool, left-click the **Load Survey Marks from File** button  in the SCIMS tools pane. The survey mark types and numbers can be typed individually or copied from a pre-existing list and pasted into the notepad in the SCIMS tools pane. Left click the **Submit** button and results will appear in the properties summary section of the screen.

Marks do-not have to be in the same geographic location; however, if they are distant from each other the map view will be affected. Click **Reset** to remove text.

The survey marks can then be selected and spatial data downloaded. Refer to the **Download** section.

11.3 Select survey marks by rectangle



Select the **Select survey marks by rectangle** tool to query SCIMS by defining a rectangle or box around area of interest.

Multiple selection modes are available:

New selection - starts a new search

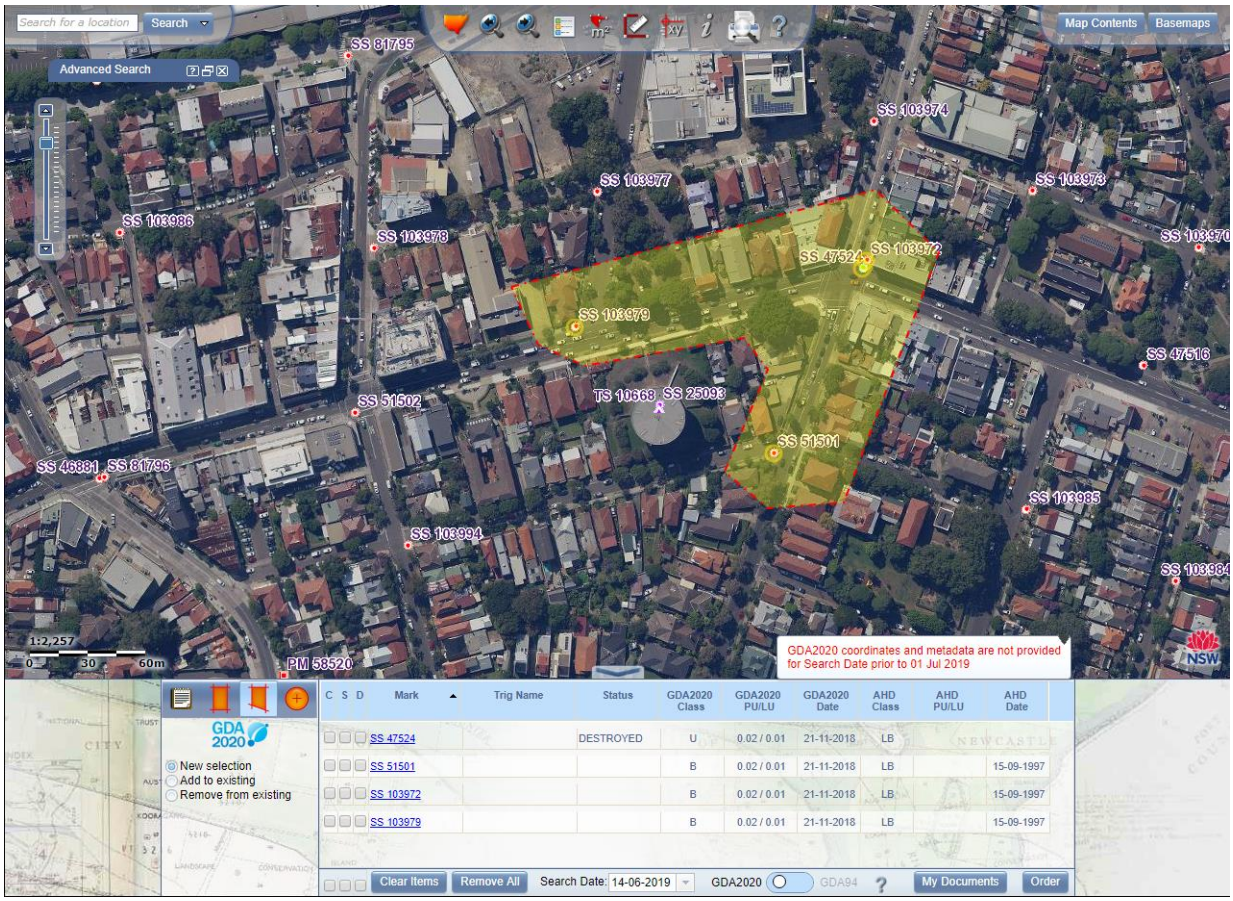
Add to existing - to add more marks to survey marks selected previously

Remove from existing - remove survey marks selected previously

To initiate a search, left click, hold and drag a rectangle on the map pane to surround the required survey marks and release the left mouse button to finish. The search area will appear highlighted with yellow tint and a red dashed line.

Any survey marks within the defined area will appear in the properties summary section of the screen. Survey marks can then be selected and spatial data downloaded. Refer to the **Download** section.

11.4 Select survey marks by polygon



Select the **Select survey marks by polygon** tool to query SCIMS by defining a polygon around the area of interest.

Multiple selection modes are available:

New selection - starts a new search

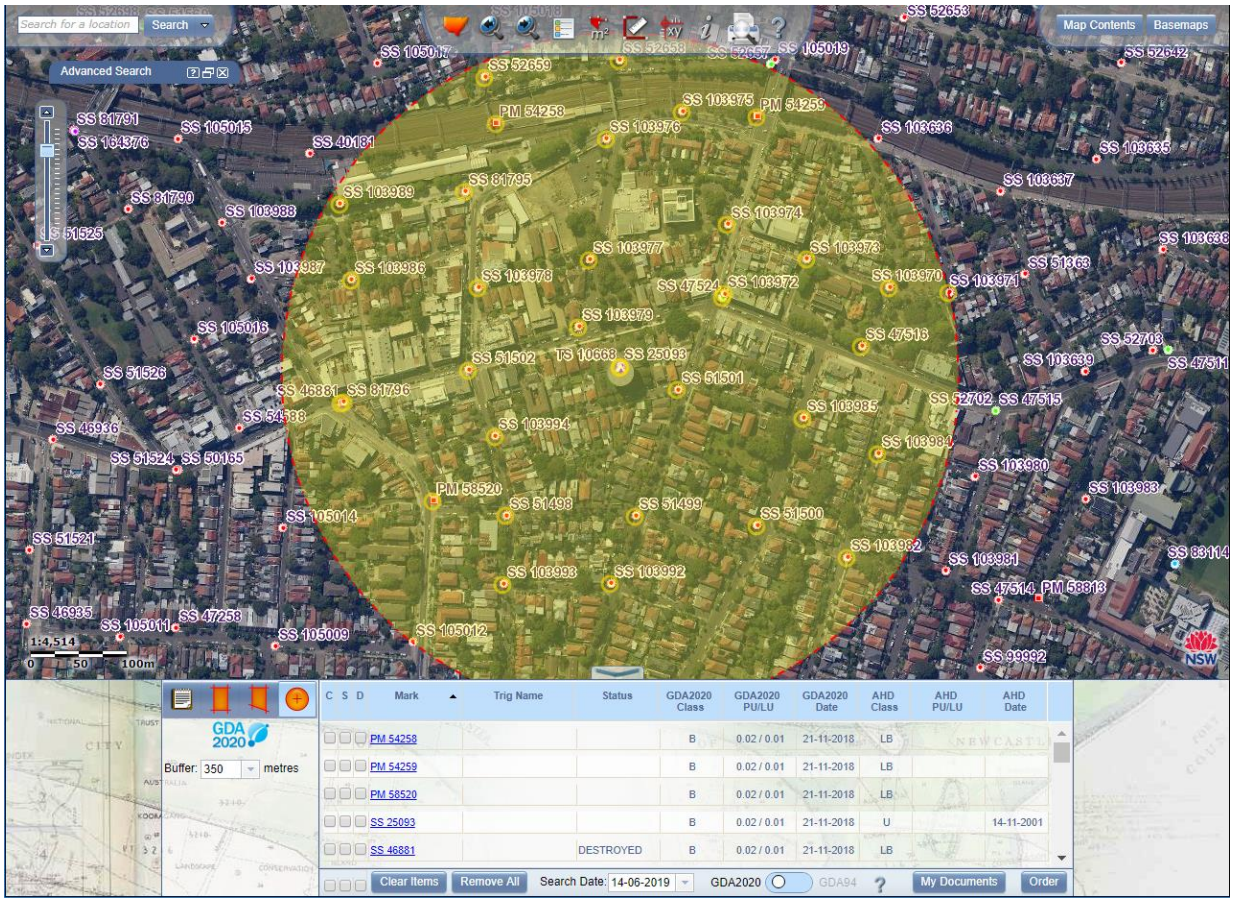
Add to existing - to add more marks to survey marks selected previously

Remove from existing - remove survey marks selected previously

To initiate a search, left click on map to start, and then left click for each point on the edge of the polygon that will enclose the survey marks you require. Once the defined area is complete, double left click. The search area will appear highlighted with yellow tint and a red dashed line.

Any marks within the defined area will appear in the properties summary section of the screen. Survey marks can then be selected and spatial data downloaded. Refer to the **Download** section.

11.5 Select survey marks by radius



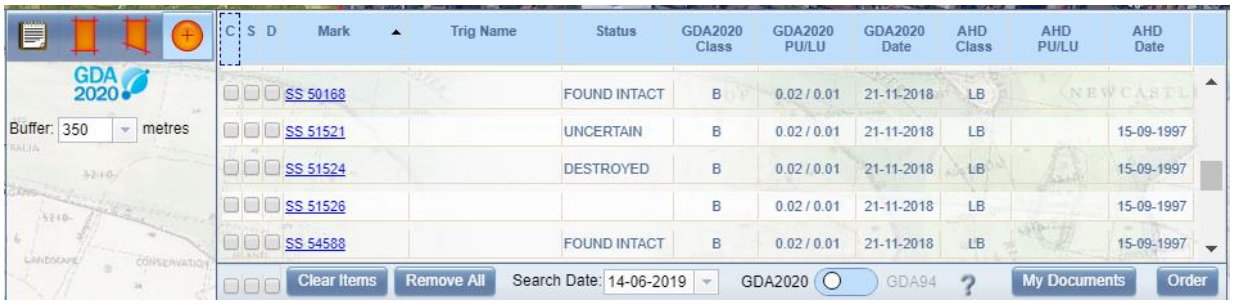
Select the **Select survey marks by radius** tool to query SCIMS by defining a circle around the area of interest.

A dropdown menu allows the change of radius of the search to suit your requirements. The default is 350 metres with the option to select 1100 metres. Alternatively, the required radius value can be typed into the dropdown menu.

To initiate a search, left click on map to set the centre of the radius. Search area will be highlighted with yellow tint and a red dashed line.

Any marks within the defined area will appear in the properties summary section of the screen. The survey marks can then be selected and spatial data downloaded. Refer to the **Download** section.

12 Properties summary section



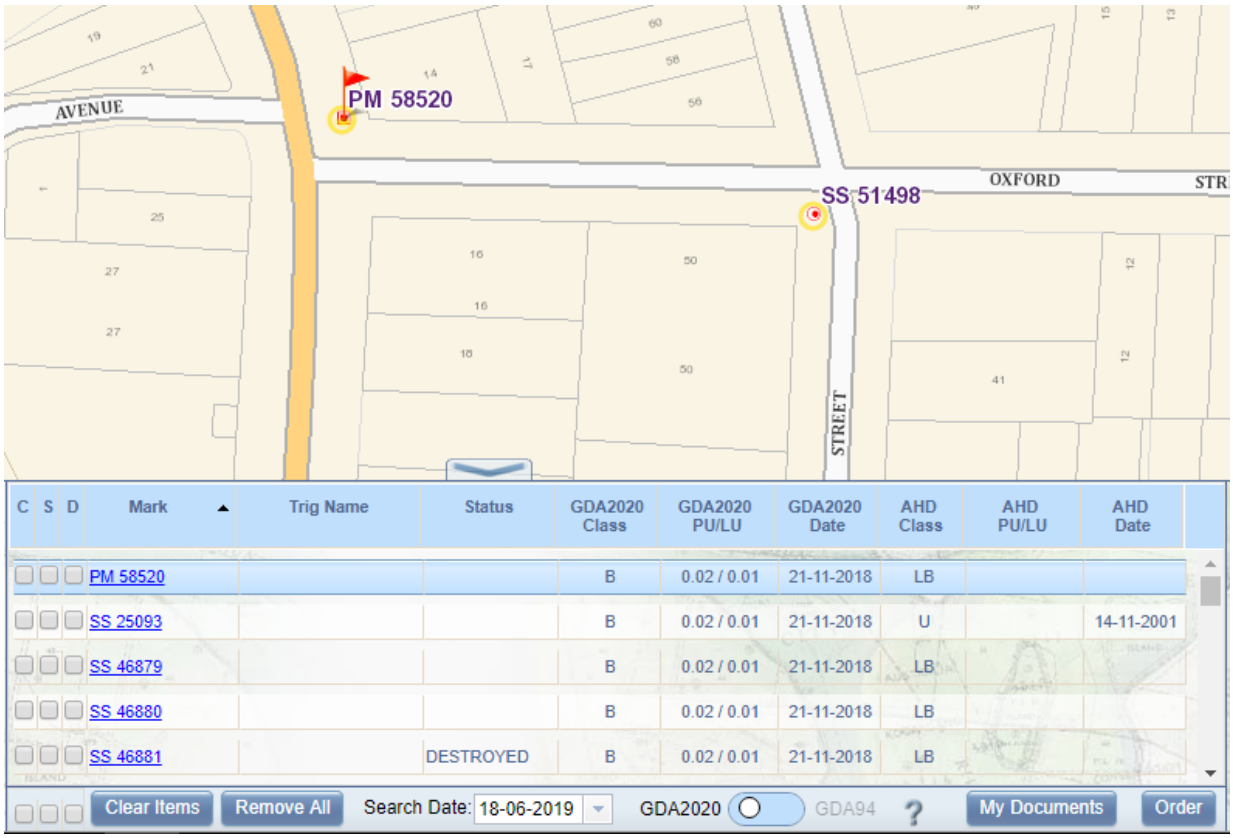
Properties Summary Section – GDA2020

Properties Summary Section – GDA94

The properties summary section at the bottom of the SCIMS Online screen displays the mark numbers of the permanent survey marks selected using the selection tools and basic data for each of those marks. The properties summary section will look slightly different depending on whether the GDA2020 or GDA94 datum is selected. As well as displaying survey mark names and data, the properties summary section also allows for several operations relating to ordering SCIMS survey mark information.

Class, **Order**, Pos**itional Uncertainty** (PU) and **Local Uncertainty** (LU) refer to the accuracy of the coordinates that are stored for the mark. If GDA2020 is the selected Datum then Class PU and LU are shown. If GDA94 is selected then only Class and Order is shown. For an explanation of Class, Order, PU and LU, please refer to *Surveyor General's Direction No.4 – Interpreting the Survey Control Information Management System (SCIMS)*

12.1 Mark



The mark type and number. Place the mouse cursor over the mark number in the Mark column and the icon on the screen for that mark will display a red flag to indicate the position of the mark.

12.2 Trig Name

The name of any trig station that may have been selected, or an additional description (alias) of any survey mark.

12.3 Status

The current reported status of a permanent survey mark, if the mark has one. This includes reports of the mark's physical state and can be any one of the following six statuses:

- Found Intact
- Not Found
- Destroyed
- Subsidence Area
- Uncertain
- Restricted Access

12.4 GDA and AHD columns

The last six columns of the property summaries pane are different depending on the selected datum. **Class**, **Order**, **Positional Uncertainty** (PU) and **Local Uncertainty** (LU) refer to the accuracy of the coordinates that are stored for the mark. If GDA2020 is the selected Datum then Class PU and LU are shown. If GDA94 is selected then only Class and Order is shown. For more information on how to use these values please refer to *Surveyor General's Direction No.4 – Interpreting the Survey Control Information Management System (SCIMS).*

NOTE: These values will change depending on the date selected to the information that was stored in SCIMS at that date. See **Search Date** for more information.

12.4.1 GDA2020

- GDA2020 class
- GDA2020 PU/LU (positional uncertainty and local uncertainty)
- GDA2020 Date (the date that the GDA2020 coordinates were last updated in SCIMS)
- AHD Class
- AHD PU/LU (positional uncertainty and local uncertainty)
- AHD Date (the date that the AHD height was last updated in SCIMS)

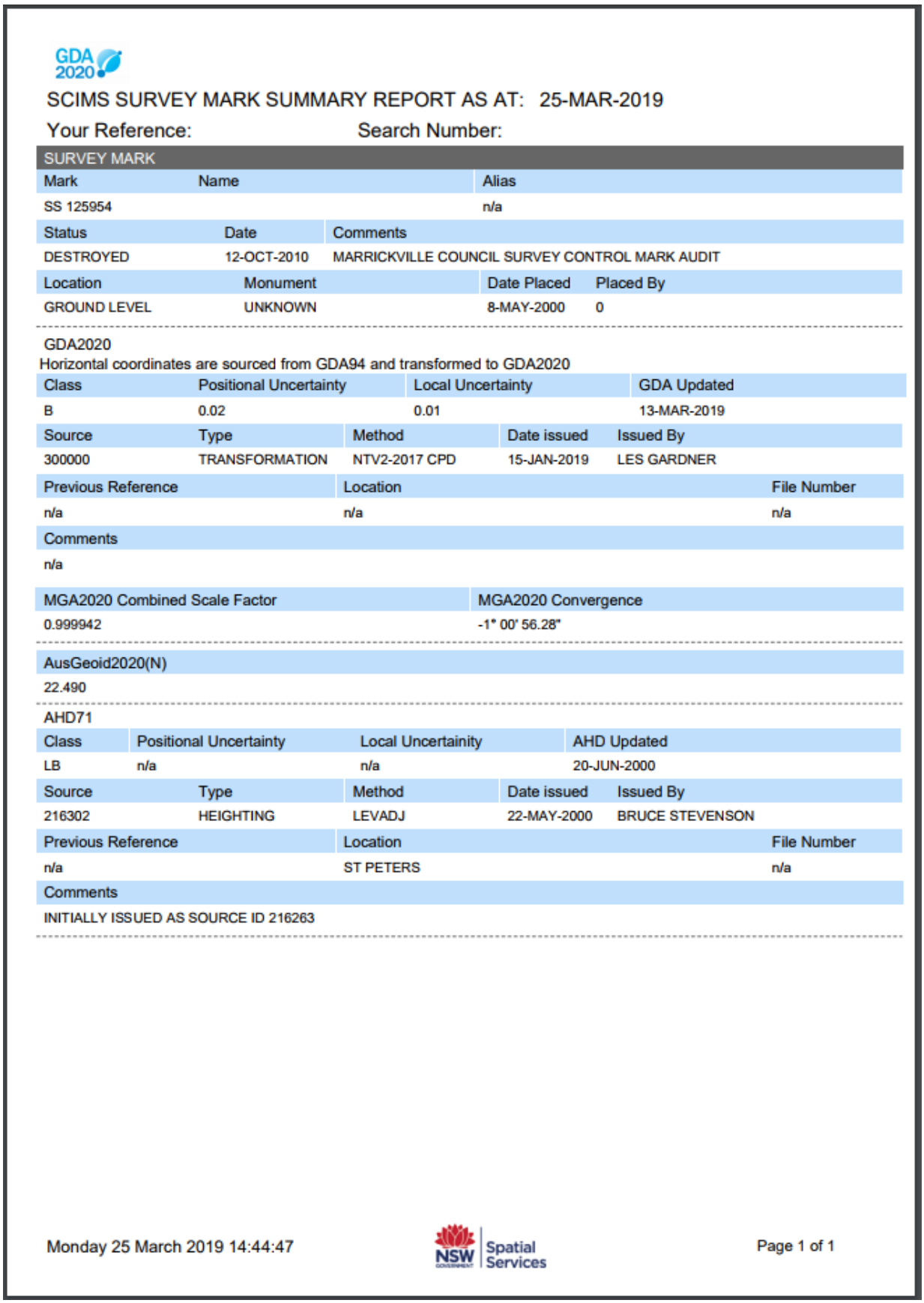
12.4.2 GDA94

- GDA94 Class
- GDA94 Order
- GDA94 Date (the date that the GDA94 coordinates were last updated in SCIMS)
- AHD Class
- AHD Order
- AHD Date (the date that the AHD height was last updated in SCIMS)

12.5 Data summary report

The properties summary screen allows access to a summary of metadata for each survey mark (this will not include MGA coordinates or AHD height). This can be accessed by a left click on the survey mark number (underlined in blue) in the **Mark** column. This will display the data summary sheet in PDF format for the mark in a new browser tab. The data summary sheet will appear different depending on whether GDA2020 or GDA94 is selected. GDA2020 data summaries will have field names shaded with a blue background, while GDA94 data summaries will have field names shaded with an orange background.

In the case of Trig Stations the data summary will contain metadata such as a visitation log, access directions (if available) and a description of the physical structure of the survey monument.



GDA 2020

SCIMS SURVEY MARK SUMMARY REPORT AS AT: 25-MAR-2019

Your Reference: Search Number:

SURVEY MARK

Mark	Name	Alias
SS 125954		n/a

Status	Date	Comments
DESTROYED	12-OCT-2010	MARRICKVILLE COUNCIL SURVEY CONTROL MARK AUDIT

Location	Monument	Date Placed	Placed By
GROUND LEVEL	UNKNOWN	8-MAY-2000	0

GDA2020

Horizontal coordinates are sourced from GDA94 and transformed to GDA2020

Class	Positional Uncertainty	Local Uncertainty	GDA Updated
B	0.02	0.01	13-MAR-2019

Source	Type	Method	Date issued	Issued By
300000	TRANSFORMATION	NTV2-2017 CPD	15-JAN-2019	LES GARDNER

Previous Reference	Location	File Number
n/a	n/a	n/a

Comments
n/a

MGA2020 Combined Scale Factor	MGA2020 Convergence
0.999942	-1° 00' 56.28"

AusGeoid2020(N)
22.490

AHD71

Class	Positional Uncertainty	Local Uncertainty	AHD Updated
LB	n/a	n/a	20-JUN-2000

Source	Type	Method	Date issued	Issued By
216302	HEIGHTING	LEVADJ	22-MAY-2000	BRUCE STEVENSON

Previous Reference	Location	File Number
n/a	ST PETERS	n/a

Comments
INITIALLY ISSUED AS SOURCE ID 216263

Monday 25 March 2019 14:44:47

NSW Spatial Services

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Data summary sheet for GDA2020 datum

GDA

SCIMS SURVEY MARK SUMMARY REPORT AS AT: 25-MAR-2019

Your Reference: Search Number:

SURVEY MARK

Mark	Name	Alias
SS 125954		n/a

Status	Date	Comments
DESTROYED	12-OCT-2010	MARRICKVILLE COUNCIL SURVEY CONTROL MARK AUDIT

Location	Monument	Date Placed	Placed By
GROUND LEVEL	UNKNOWN	8-MAY-2000	0

GDA94

Class	Order	Positional Uncertainty	Local Uncertainty	GDA Updated
B	2	n/a	n/a	17-NOV-2000

Source	Type	Method	Date issued	Issued By
219666	ADJUSTMENT	HAVOC	9-NOV-2000	PAUL VONGRATSAVAI

Previous Reference	Location	File Number
216351	BOTANY BAY - (LGA)	n/a

Comments

BOTANY BAY LGA AREA COMBINED HAVOC NEW AREA ADDED NEW SOURCES CODE REQUIRED TRANSACTION NUMBER 4525 UPDATED 17/11/2000 JOHN KELAHER

MGA Combined Scale Factor	MGA Convergence
0.999942	-1° 00' 56.29"

AusGeoid09

22.579

AHD71

Class	Order	Positional Uncertainty	Local Uncertainty	AHD Updated
LB	L2	n/a	n/a	20-JUN-2000

Source	Type	Method	Date issued	Issued By
216302	HEIGHTING	LEVADJ	22-MAY-2000	BRUCE STEVENSON

Previous Reference	Location	File Number
n/a	ST PETERS	n/a

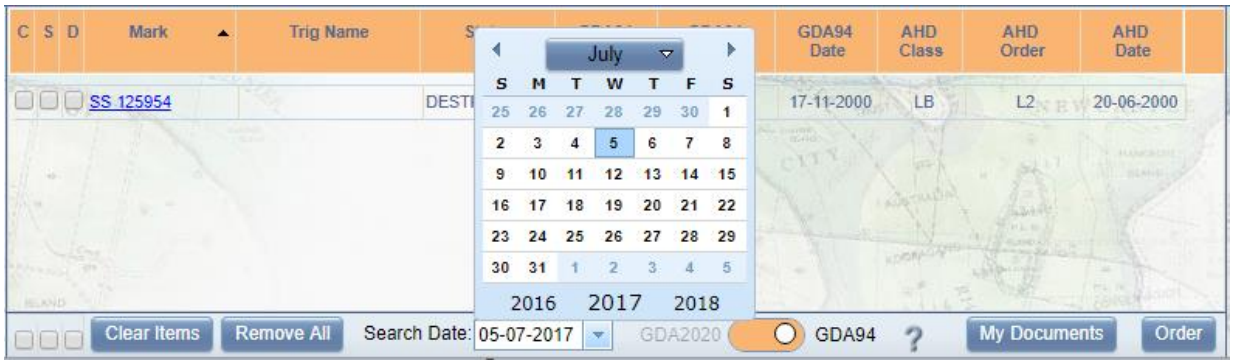
Comments

INITIALLY ISSUED AS SOURCE ID 216263

Monday 25 March 2019 14:43:32 NSW Spatial Services Page 1 of 1

Data summary sheet for GDA94 datum

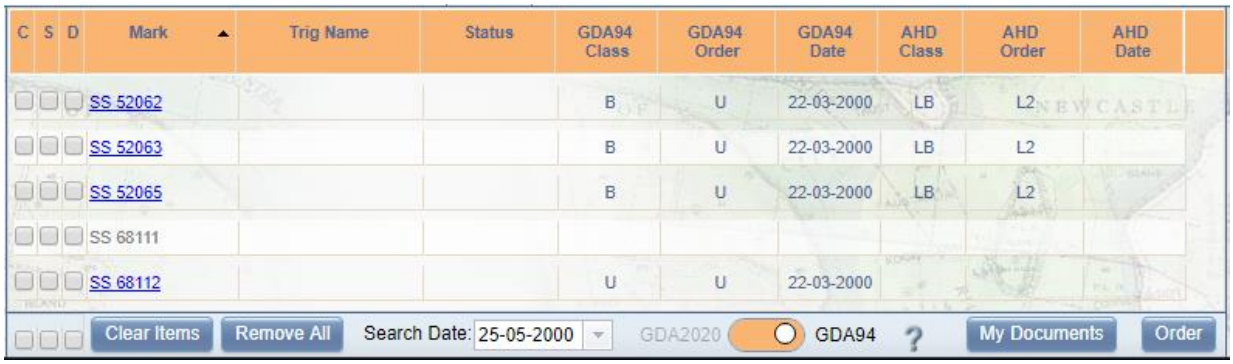
12.6 Search Date



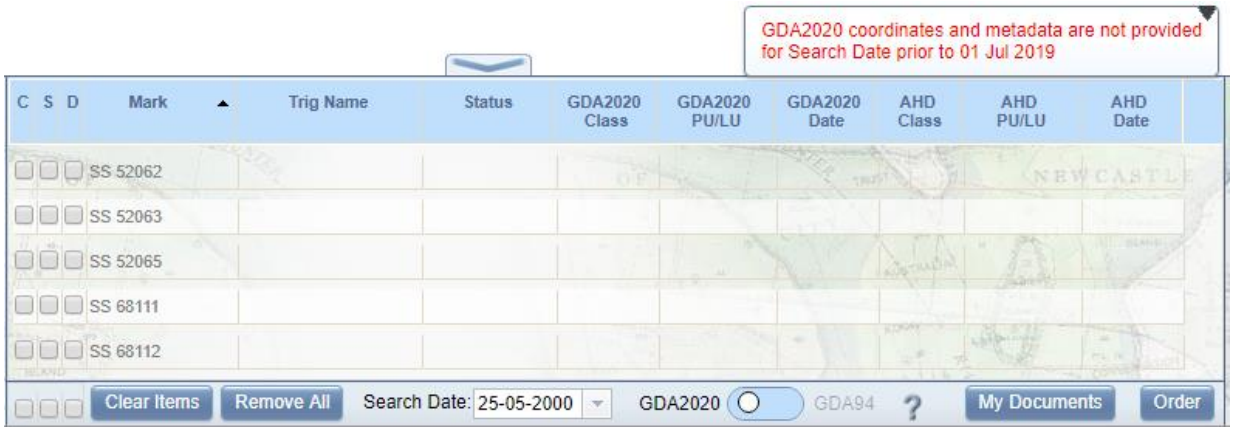
To download spatial data for permanent survey marks as it was recorded in SCIMS at a previous date, use the **Search Date** function at the bottom of the property summaries pane. A date can either be typed into the search box or selected from the pop-up calendar. Once a new date is selected the properties summary screen for individual marks may change to reflect any changes in the mark's spatial data or accuracy. If a mark was not in SCIMS at the changed date it will appear in the Properties screen but will be greyed out with no class/order.

The Search Date feature for GDA94 coordinates and AHD heights is limited to dates on or after 1 April 2000. The Search Date feature for GDA2020 coordinates is limited to dates on or after 1 July 2019.

If a mark was not in the SCIMS database at the selected date it will appear in the Properties screen but will be greyed out with no class/order or positional/local uncertainty. If a mark had GDA94 or GDA02020 coordinates but no AHD height recorded in SCIMS on the selected date, the AHD columns will be blank. Conversely, if a mark had an AHD height but no GDA coordinates on the selected date, the GDA columns will be blank.



In the above example, the search date is 25 May 2000. State Survey Mark 68111 did not yet exist in the SCIMS database on that date, therefore this mark is completely greyed out. State Survey Mark 68112 had horizontal GDA94 coordinates recorded in SCIMS but no AHD height. Therefore, the AHD columns are shown as blank for this mark.



If the GDA2020 datum is selected, and a date is entered between 1 April 2000 and 1 January 2019, an error message *GDA2020 coordinates and metadata are not provided for Search Date prior to 01 Jul 2019* will appear.

GDA

SCIMS SURVEY MARK REPORT AS AT: 25-MAY-2000

Your Reference: Sydenham Search Number: 584496

MARK NAME STATUS	COORDINATES AND HEIGHTS				CLASS	ORDER	PU	SOURCE	CSF CONVERGENCE AUSGEOID09
PM 54808	MGA	330446.964	6245761.472	56	B	U	n/a	209634	0.999950
	GDA94	-33° 54' 53.76080"		151° 09' 57.30969"					-1° 01' 24.93"
	AHD71	5.033			LB	L2	n/a	206074	22.562

Map Legend

SCIMS Mark Types (Colour codes refer to the assigned accuracy "Class")

SS	PM	TS	CR	MM	CP	GB	
							Established GDA & Accurate AHD
							Established GDA Only
							Accurate AHD Only
							Unknown of Less Accurate GDA & AHD

Established GDA coordinates are assigned accuracy class 2A, A, B or C
Accurate AHD heights are assigned accuracy class L2A, LA, LB, LC, LD, 2A, A or B

Mark Status *

F Found Intact
N Not Found
D Destroyed
S Subsidence Area
U Uncertain
R Restricted Access

* Where available, the Mark Status is appended to the Mark Number in the map

Note: Survey mark symbology and position reflects GDA2020 information.

SURVEY MARK

Monday 25 March 2019 15:59:43

NSW Spatial Services

After the survey mark information is downloaded, the spatial data for the selected mark will appear on the SCIMS survey mark report as it was recorded in SCIMS at the date entered and the download file will have the heading Search Date set to the selected date, and the date that the search was performed will be in the footer of each page on the report. The two dates are highlighted in red borders in the above example.

Once the search for required date is completed, manually reset the date to the current date.

13 Download

Once survey marks have been selected, a summary of the marks appear in the properties summary section of the screen. Survey mark icons on the map will be surrounded with a yellow circle. There are three selection options: **Coordinates** (C), **Sketch Plan** (S) and **Details** (D).

13.1 Clear Items button

This button clears all check boxes selected for download.

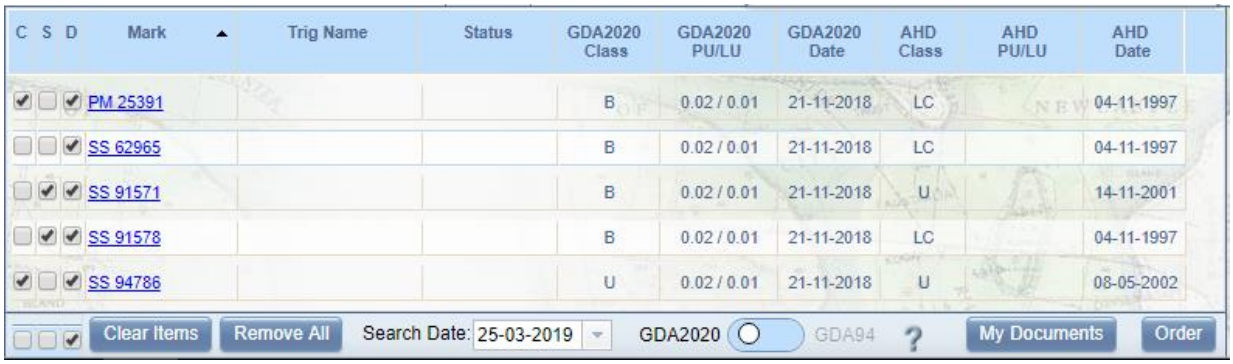
13.2 Remove All button

This button removes all survey marks from the property summary section. It also removes any rectangle, polygon or radius drawn on the map pane.

13.3 My Documents button

This button will display links to download previous orders. It can also be used to collect your current order after it has been placed – please refer to the **Downloading Mark** section.

13.4 Select marks for download



Spatial data can be downloaded by selecting the survey mark required from the properties summary screen. Three columns allow the selection of the type of data required. Selection can be made mark by mark (for each type of data) or every mark in a column can be selected by ticking the box at the bottom of each column. The yellow map icon circle changes colour to orange, brown or black depending on how many selection options (C, S, or D) have been ticked – one, two, or three, respectively.

The three columns are:

13.4.1 Coordinates

The **Coordinates** column is marked with a C. Ticking this column will result in coordinate and height values being included in the SCIMS Online download. If GDA2020 was selected, this includes:

- MGA2020 coordinates, including the MGA zone, class, PU (positional uncertainty), LU (local uncertainty), and the source ID
- GDA2020 latitude and longitude (in decimal degrees)
- AHD heights, including the class, order (if GDA94 was selected), PU, LU (if GDA2020 was selected), and the source ID
- GRS80 latitude and longitude (where available)
- Geodetic related values – the CSF (combined scale factor), the grid convergence, and AUSGEOID2020 N-value

If GDA94 was selected, the details returned in the mark download are:

- MGA94 coordinates, including the MGA zone, class, order, PU, and the source ID
- GDA94 latitude and longitude (in degrees, minutes and seconds)
- AHD heights, including the class, order, PU, and the source ID
- Geodetic-related values – the CSF (combined scale factor), the grid convergence, and the AUSGEOID09 N-value

13.4.2 Sketch

The **Sketch** column is marked with an S. This will attach the Locality Sketch Plan (if one exists) for the selected survey marks to the SCIMS Online download.

13.4.3 Details

The **Details** column is marked with a D. This is ticked in order to download the Full Summary Report. This includes the **Data Summary** above (i.e. all metadata for the selected survey mark) and also includes the geodetic information (the combined scale factor, grid convergence and the AUSGEOID2020/AUSGEOID09 N-values) included with the Coordinates option.

13.5 Map display

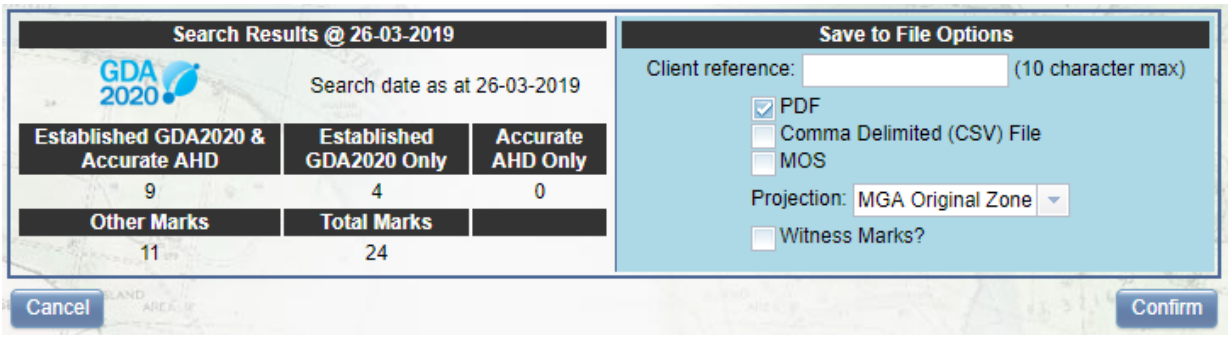
It is important to pan and zoom the map display with all the elements you require to be shown on your downloaded report prior to proceeding to ordering, as well as selecting the basemap layer you wish to be displayed in the downloaded report using the **Basemaps** button in the top right corner. The current view will be included on the first page in the downloaded report.

13.6 Order button

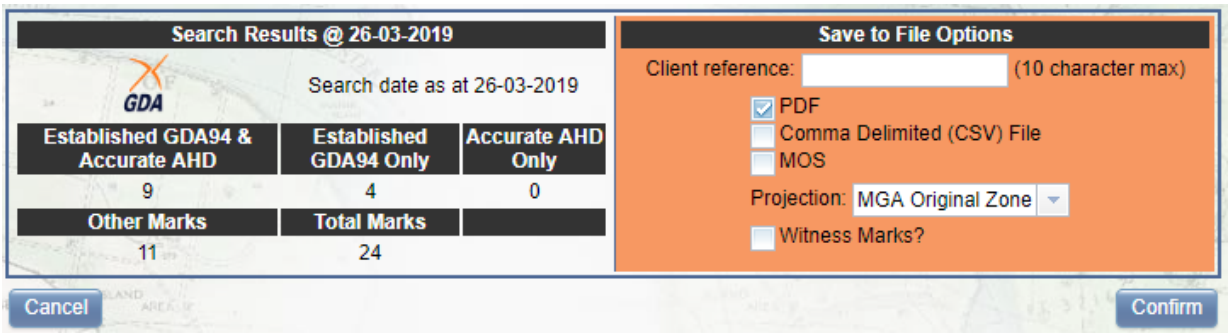
Click this button to proceed with ordering the selected marks.

13.7 Search results summary

This screen displays a summary of the current search results and allows the user to tailor the SCIMS Online output file before the output is downloaded. The screen under the Save to File Options section will be tinted blue if GDA2020 is selected, and orange if GDA94 is selected. The datum's logo will also be displayed on the left.



Search results summary – GDA2020



Search results summary – GDA94

13.7.1 Search Results @:

This displays the date the search was performed.

13.7.2 Search Date as at:

This displays the date entered in the **Search Date** field. The default is the date the search was performed.

13.7.3 Summary of selected survey marks

The next section is a summary of the accuracy of the spatial data for the survey marks selected including:

- The number of **Established GDA94/2020 & Accurate AHD** marks
- The number of marks with **Established GDA94/2020 Only** coordinates
- The number of marks with **Accurate AHD Only** heights
- The number of all **Other Marks**
- The number of **Total Marks**

13.7.4 Save to File Options

This section supplies the options for user to tailor the output file.

13.7.5 Client Reference

User can identify the search transaction with a reference related to their survey task. This reference will appear on all search results and in the **My Documents** table.

This is restricted to 10 alphanumeric characters with no special characters or spaces.

13.7.6 File Type

SCIMS Online users can choose up to three file type formats for their SCIMS Online download:

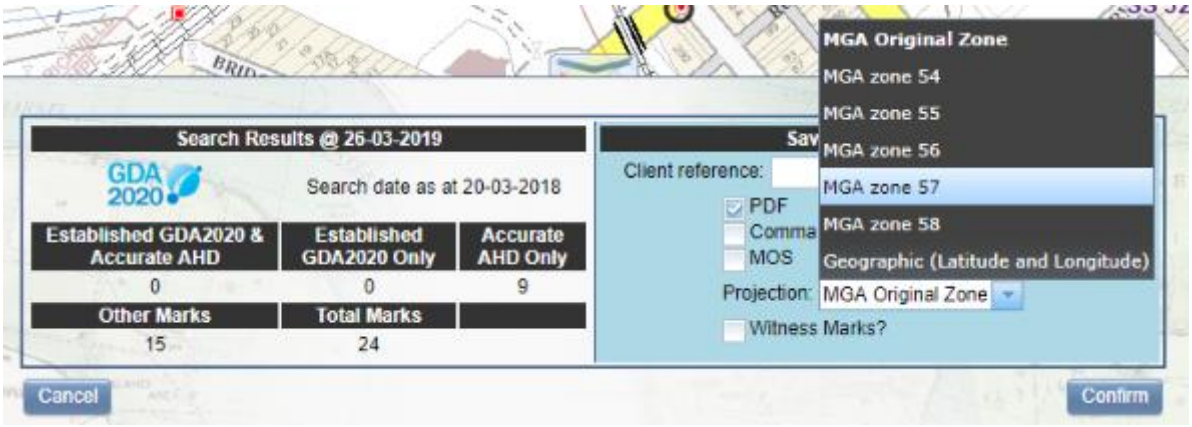
- PDF
- Comma Delimited (CSV) File
- MOS

For more information on these file type formats, refer to the **File Types** section.

13.7.7 Projections

This section allows the change of the MGA zone for the horizontal coordinates in the datum selected (GDA2020 or GDA94) or the selection of GDA values (latitude and longitude).

The default is the **MGA Original Zone** in which the survey mark lies. Only those zones located within NSW (MGA zones 54, 55, 56, 57 and 58) plus GDA geographic coordinates (latitude and longitude) are available as shown below. The same projection options are available in either GDA2020 or GDA94.



13.7.8 Witness Marks

Tick this box to download any witness marks or eccentric stations related to a selected survey mark.

13.8 Action buttons

Two buttons are used to either complete or abandon a survey mark download.

13.8.1 Cancel button

The Cancel button cancels the current SCIMS Online request and returns to the search screen.

13.8.2 Confirm button

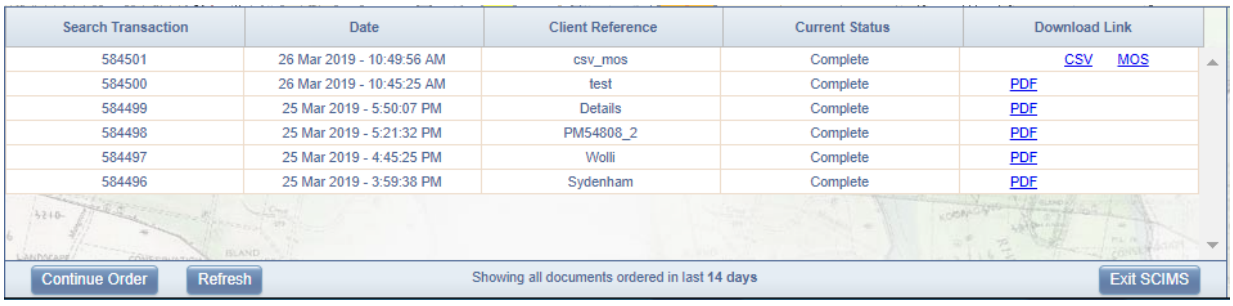
Once the confirm button has been pressed you can press **Continue Order** to keep SCIMS Online open to place orders for other SCIMS coordinates, **My Documents** to download the mark or **Exit SCIMS** to close SCIMS Online down entirely.

13.9 Downloading survey mark information

There are two methods by which you can download SCIMS survey mark information: via **My Documents** or via **email**.

13.9.1 Download via My Documents

To download using this method, click on the My Documents button. This will create a list of all SCIMS Online orders placed over the past 14 days.



The columns in the My Documents display are as follows:

- **Search Transaction:** Each SCIMS Online order is given a unique six-digit identifier. This is the same number as found in the file name given after pressing the **Confirm button**. This number is included in the subject the email, attachment file names and in the attachment itself and provides an audit trail.

- **Date:** The date and time that the SCIMS Online order was placed.
- **Client Reference:** If you specified a **Client Reference** when ordering the mark, it will appear in this column.
- **Current Status:** This can be either *Pending* or *Complete*. Click **Refresh** if the order is still Pending. Complete means the order is ready to collect.
- **Download Link:** Click on the links in this column to download the survey mark information. Separate links are provided for PDF, CSV and MOSS files (depending on which file types you ordered).

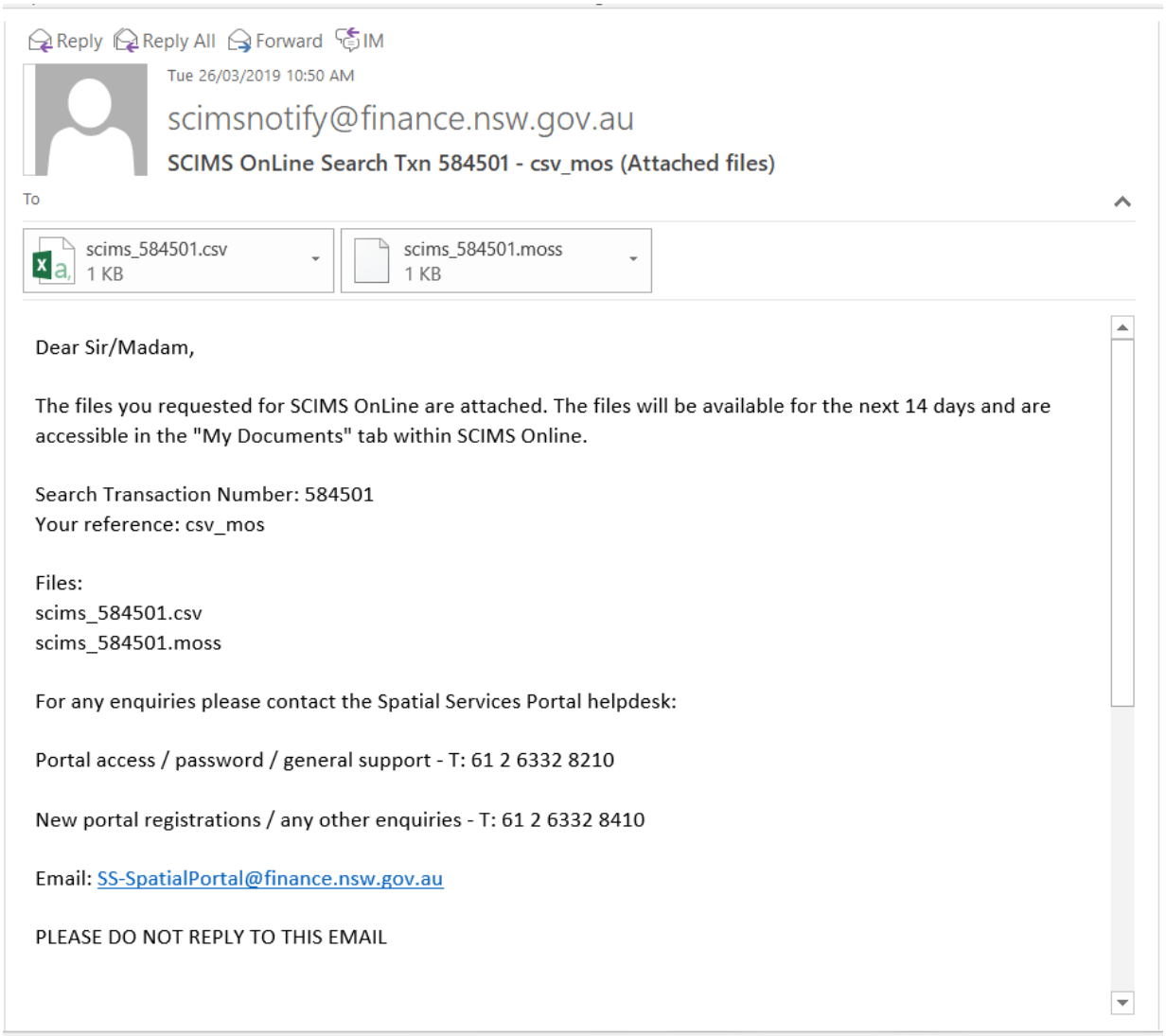
The three buttons at the bottom of the My Documents display are:

- **Continue Order:** Closes My Documents but keeps SCIMS Online open so you can place further orders.
- **Refresh:** Click this button to refresh the list of documents if an order is shown as *Pending* in the Current Status column.
- **Exit SCIMS:** Closes SCIMS Online.

13.9.2 Download via email

In conjunction with delivery of SCIMS Online products via the My Documents box, downloads are also delivered via email. The SCIMS Online downloads are sent to the email address associated with your SIX Spatial Portal account. You can specify which email address SCIMS Online products are delivered to by logging into the Spatial Portal at http://six.nsw.gov.au, clicking **Signed in as (username)** in the top right corner and selecting **My Account**.

The email will contain attachments consisting of the requested files in the specified file type/s (PDF, CSV or MOSS). The six-digit Search Transaction Number and the Client Reference (if one has been specified) appear both in the email's subject header and the body of the email's text.



14 File types

Three file types are available for SCIMS Online downloads: **PDF**, **Comma Separated Values (CSV)** and **MOSS**.

14.1 PDF

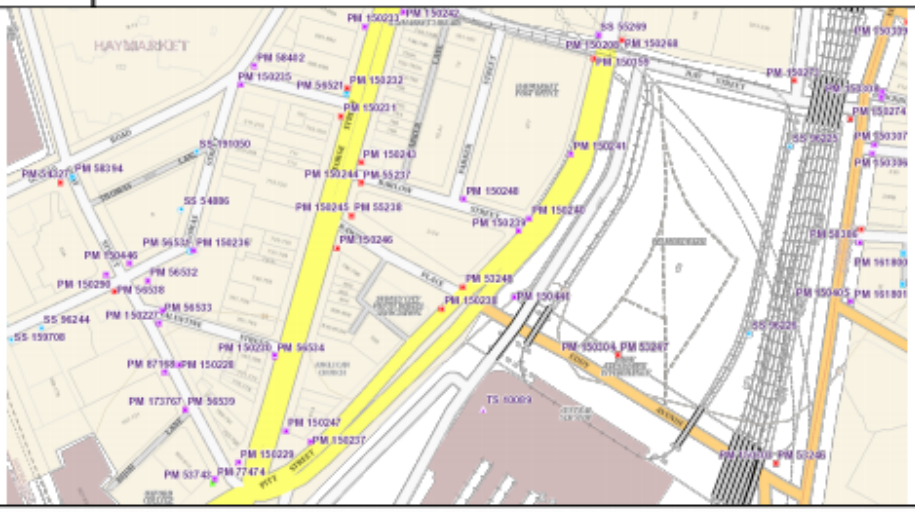
The file produced will combine elements selected as described in the Download Section and include the map screen display and map legend in one PDF file. An example of a SCIMS Online order featuring Coordinates (page 1), Sketches (page 3) and Details (pages 4 and 5) is shown on the following 5 pages.

14.1.1 GDA2020

SCIMS SURVEY MARK REPORT AS AT: 18-JUN-2019

Your Reference: PM53248_20 Search Number: 585033

MARK NAME STATUS	COORDINATES AND HEIGHTS			CLASS	PU	LU	SOURCE	CSF CONVERGENCE AUSGEOID2020
PM 53248	Horizontal coordinates are sourced from GDA94 and transformed to GDA2020							
	MGA2020	334070.875	6249529.029	56 C	0.02	0.01	300001	0.999934
	GDA2020	-33° 52' 53.57230"	151° 12' 20.93184"					-1° 00' 01.61"
	GDA2020	Ellipsoidal Height						
	AHD71	Normal-Orthometric	10.699	LB			207973	22.584



Map Legend

SCIMS Mark types (Colour codes refer to the assigned accuracy "Class")

SS PM TS CR MM CP GB

Established GDA2020 + Accurate AHD71
Established GDA2020 Only
Accurate AHD71 Only
Accurate AHD71 + Approx. GDA2020
Approx. GDA2020 Only
Unknown

Established GDA coordinates are assigned accuracy class 3A, 2A, A, B, C or D

Accurate AHD heights are assigned accuracy class L2A, LA, LB, LC, LD, 2A, A or B

Mark Status*

F Found Intact
N Not Found
D Destroyed
S Subsidence Area
U Uncertain
R Restricted Access

* Where available, the Mark Status is appended to the Mark Number in the map

Note: SCIMS publishes coordinates, heights, Uncertainty and Class for NSW State control survey marks to an appropriate precision based on survey observations currently on public record. Positional Uncertainty and Local Uncertainty are only displayed where computed through a least-squares network adjustment. Refer to Surveyors-General's Directions: http://spatialservices.finance.nsw.gov.au/surveying/publications/surveyor_generals_directions

Disclaimer: This report has been generated by various sources and is provided for information purposes only. Spatial Services, a division of the NSW Department of Customer Service, does not warrant or represent that the information is free from errors or omission, or that it is exhaustive. Spatial Services accepts no liability for loss, damage, or costs that may incur relating to any use or reliance upon the information in this report. Spatial Services gives no warranty in relation to the information, especially material supplied by third parties.

Tuesday 18 June 2019 11:12:27 NSW Spatial Services Page 1 of 3

SURVEY MARK

Mark	Name	Alias
PM 53248		n/a

Status	Date	Comments
	n/a	n/a

Location	Monument	Date Placed	Placed By
GROUND LEVEL	UNKNOWN	n/a	0

MGA2020/GDA2020

Horizontal coordinates are sourced from GDA94 and transformed to GDA2020

MGA2020 Easting	MGA2020 Northing	Zone	GDA2020 Latitude	GDA2020 Longitude
334070.875	6249529.029	56	-33° 52' 53.57230"	151° 12' 20.93184"

Class	Positional Uncertainty	Local Uncertainty	GDA2020 Updated
C	0.02	0.01	21-NOV-2018

Source	Type	Method	Date issued	Issued By
300001	TRANSFORMATION	NTV2-2017 CPD	15-JAN-2019	LES GARDNER

Previous Reference	Location	File Number
n/a	n/a	n/a

Comments

n/a

MGA2020 Combined Scale Factor	MGA2020 Convergence
0.999934	-1° 00' 01.61"

AusGeoid2020(N)

22.584

GDA2020 Ellipsoidal Height

Height

Class	Positional Uncertainty	Local Uncertainty	Ellipsoidal Height Updated

Source	Type	Method	Date issued	Issued By

Previous Reference	Location	File Number

Comments

AHD71

Height

10.699

Class	Positional Uncertainty	Local Uncertainty	AHD Updated
LB			n/a

Source	Type	Method	Date issued	Issued By
207973	HEIGHTING	UNKNOWN	n/a	n/a

Previous Reference	Location	File Number
83248	n/a	n/a

Comments

n/a

11

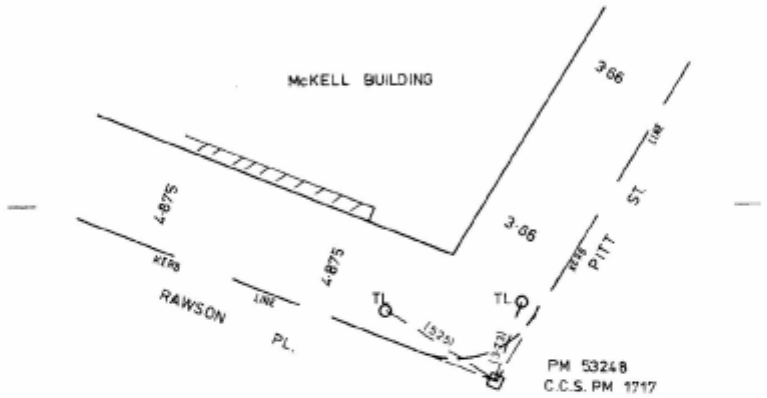
PM 53248
SSM
M1M

LOCALITY SKETCH PLAN

Parish ST LAWRENCE County CUMBERLAND City ~~or Town~~ SYDNEY

Municipality or Shire Control Survey Plan U.1845 - IV

Measurements are in metres Zone 56 / 1



NOTE PM IS BRASS BOLT IN CAST IRON BOX MARKED C.C.S. / SURVEY

Organization placing Marks

SYDNEY CITY COUNCIL

Aerial photo No. ..... Run .....

Plan registered / / 19

Mark last inspected / / 19

S.O. 2 019 D. West, Government Printer

PM 53248
SSM
M1M

I certify that the Mark or Marks have been placed and numbered as detailed hereon.

D. Longhurst 30/9/83.
Designation
REGISTERED SURVEYOR

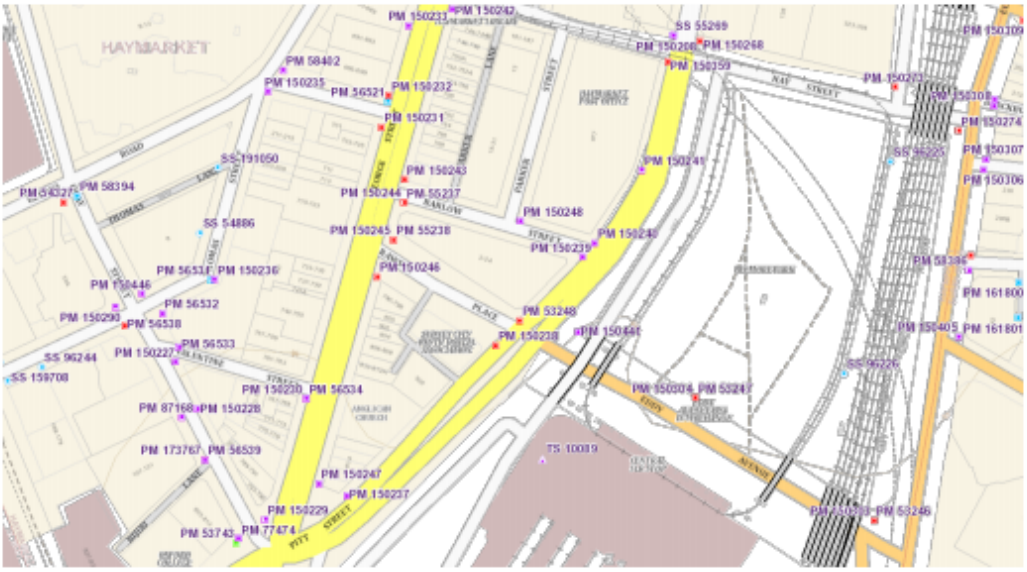
14.1.2 GDA94

GDA

SCIMS SURVEY MARK REPORT AS AT: 18-JUN-2019

Your Reference: PM53248_94 Search Number: 585034

MARK NAME STATUS	COORDINATES AND HEIGHTS			CLASS	ORDER	PU	SOURCE	CSF CONVERGENCE AUSGEOID09
PM 53248	MGA	334070.423	6249527.590 56	B	2	n/a	236772	0.999934
	GDA94	-33° 52' 53.61872"	151° 12' 20.91328"					-1° 00' 01.62"
	AHD71	10.699		LB	L2	n/a	207973	22.680



Map Legend

SCIMS Mark types (Colour codes refer to the assigned accuracy "Class")

SS	PM	TS	CR	MM	CP	GB	
							Established GDA2020 + Accurate AHD71
							Established GDA2020 Only
							Accurate AHD71 Only
							Accurate AHD71 + Approx. GDA2020
							Approx. GDA2020 Only
							Unknown

Established GDA coordinates are assigned accuracy class 3A, 2A, A, B, C or D

Accurate AHD heights are assigned accuracy class L2A, LA, LB, LC, LD, 2A, A or B

Mark Status*

F Found Intact
N Not Found
D Destroyed
S Subsidence Area
U Uncertain
R Restricted Access

* Where available, the Mark Status is appended to the Mark Number in the map

Note: Survey mark symbology and position reflects GDA2020 information.

SURVEY MARK

Tuesday 18 June 2019 11:13:08 NSW Spatial Services Page 1 of 3

Mark	Name	Alias
PM 53248		n/a

Status	Date	Comments
	n/a	n/a

Location	Monument	Date Placed	Placed By
GROUND LEVEL	UNKNOWN	n/a	0

GDA94

Easting	Northing	Zone	Latitude	Longitude
334070.423	6249527.590	56	-33° 52' 53.61872"	151° 12' 20.91328"

Class	Order	Positional Uncertainty	Local Uncertainty	GDA Updated
B	2	n/a	n/a	23-NOV-2018

Source	Type	Method	Date issued	Issued By
236772	ADJUSTMENT	HAVOC	4-FEB-2016	JANEZ ROM

Previous Reference	Location	File Number
n/a	n/a	n/a

Comments
n/a

MGA Combined Scale Factor	MGA Convergence
0.999934	-1° 00' 01.62"

AusGeoid09
22.680

AHD71

Height
10.699

Class	Order	Positional Uncertainty	Local Uncertainty	AHD Updated
LB	L2	n/a	n/a	n/a

Source	Type	Method	Date issued	Issued By
207973	HEIGHTING	UNKNOWN	n/a	n/a

Previous Reference	Location	File Number
83248	n/a	n/a

Comments
n/a

11

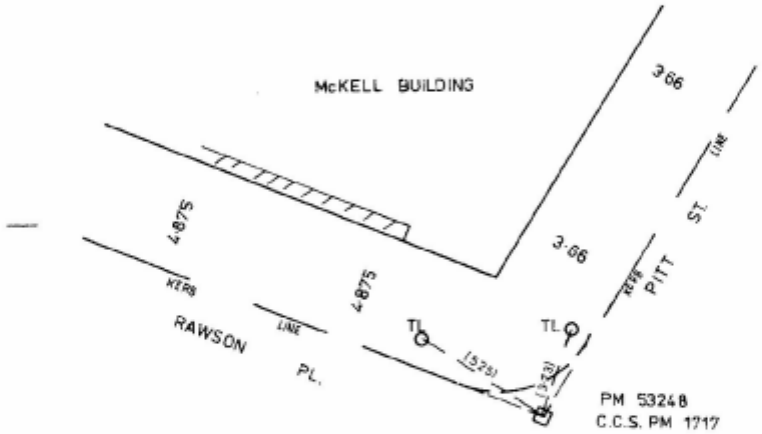
PM 53248
SSM
M M

LOCALITY SKETCH PLAN

Parish ST LAWRENCE County CUMBERLAND City ~~or Town~~ SYDNEY

Municipality or Shire Control Survey Plan U 1845 - IV

Measurements are in metres Zone 56 / 1



NOTE PM IS BRASS BOLT IN CAST IRON BOX MARKED C.C.S. / SURVEY

Organization placing Marks

SYDNEY CITY COUNCIL

Aerial photo No. ..... Run .....

Plan registered / / 19

Mark last inspected / / 19

S.O. 2 019 D. West, Government Printer

PM 53248
SSM
M M

I certify that the Mark or Marks have been placed and numbered as detailed hereon.

D Longhurst 30/9/83.

Designation
REGISTERED SURVEYOR

14.2 Comma Separated Values (CSV)

Creates a standard CSV-formatted text file, containing raw permanent survey mark data only. This file is suitable for download into other applications. Two examples of CSV downloads for the same marks (including witness marks) are given below, one in GDA2020 and the other in GDA94.

14.2.1 GDA2020

```
Search Date:, 18-JUN-2019

Horizontal Datum:,GDA2020
Vertical Datum:,AHD71

Mark,Name,Status,Height,Vt Class,Vt PU,Vt LU,Vt Source,MGA
Easting,MGA Northing,Zone,Hz Class,Hz PU, Hz LU, Hz
Source,CSF,Lineage
PM 8469, , ,7.966,LB, , ,200768,384697.871, 6355817.300,56, B,
0.02,0.01, 300001,0.999758, 300001, Horizontal coordinates are
sourced from GDA94 and transformed to GDA2020.

PM 8469-1, ,  , 0.000,LB, , ,200768,384694.757, 6355863.396, 56, D,
0.02, 0.01, 300001, , 300001, Horizontal coordinates are sourced from
GDA94 and transformed to GDA2020.
PM 8469-2, ,  , 0.000,LB, , ,200768,384697.273, 6355812.879, 56, B,
0.02, 0.01, 300001, , 300001, Horizontal coordinates are sourced from
GDA94 and transformed to GDA2020.
PM 8469-3, ,  , 0.000,LB, , ,200768,384694.016, 6355813.370, 56, B,
0.02, 0.01, 300001, , 300001, Horizontal coordinates are sourced from
GDA94 and transformed to GDA2020.
PM 8469-4, ,  , 0.000,LB, , ,200768,384713.155, 6355867.561, 56, B,
0.02, 0.01, 300001, , 300001, Horizontal coordinates are sourced from
GDA94 and transformed to GDA2020.
PM 9884, , ,6.047,LB, , ,205236,384505.269, 6355963.808,56, B,
0.02,0.01, 300001,0.999759, 300001, Horizontal coordinates are
sourced from GDA94 and transformed to GDA2020.

PM 9884-1, ,  , 0.000,LB, , ,205236,384546.352, 6356000.313, 56, B,
0.02, 0.01, 300001, , 300001, Horizontal coordinates are sourced from
GDA94 and transformed to GDA2020.
TS 12051,NEWCASTLE CORS [P],RESTRICTED ACCESS,27.169,A, ,
,231352,384558.010, 6355844.190,56, 2A, 0.02,0.01, 300001,0.999756,
300001, Horizontal coordinates are sourced from GDA94 and transformed
to GDA2020.
```

14.2.2 GDA94

```
Search Date:, 18-JUN-2019

Horizontal Datum:,GDA94
Vertical Datum:,AHD71

Mark,Name,Status,Height,Class,Order,Source,MGA Easting,MGA
Northing,Zone,Class,Order,Source,CSF
```

```
PM 8469, ,
,7.966,LB,L2,200768,384697.457,6355815.885,56,B,2,230530,0.999758

PM 8469-1,, ,0.000,LB,L2,200768,384694.344,6355861.981,56,D,4,230530,
PM 8469-2,, ,0.000,LB,L2,200768,384696.860,6355811.464,56,B,2,230530,
PM 8469-3,, ,0.000,LB,L2,200768,384693.603,6355811.955,56,B,2,230530,
PM 8469-4,, ,0.000,LB,L2,200768,384712.742,6355866.146,56,B,2,230530,
PM 9884, ,
,6.047,LB,L2,205236,384504.856,6355962.393,56,B,2,230530,0.999759

PM 9884-1,, ,0.000,LB,L2,205236,384545.939,6355998.898,56,B,2,230530,
TS 12051,NEWCASTLE CORS [P],RESTRICTED
ACCESS,27.169,A,1,231352,384557.597,6355842.775,56,2A,0,234385,0.9997
56
```

14.3 MOSS

Creates a MOSS format text file containing spatial data only. This file is suitable for download into specific Roads and Maritime Services applications.

```
Search Date:,08-JUL-2016

Horizontal Datum:,GDA94
Vertical Datum:,AHD71

180,,,Mark,,MGA Easting,MGA Northing,Height

000,Mark,Name,Status,Zone,Code,Class,Order,Source,CSF,Code,Class,Order,Sou
rce

180,,,PM 8469,,384697.457,6355815.885,7.966
000,PM 8469, , ,56,,B,2,230530,0.999758,,LB,L2,200768
180,,,PM 9884,,384504.856,6355962.393,6.047
000,PM 9884, , ,56,,B,2,230530,0.999759,,LB,L2,205236
180,,,TS 12051,,384557.597,6355842.775,27.169
000,TS 12051,NEWCASTLE CORS [P],RESTRICTED
ACCESS,56,,2A,0,234385,0.999756,,A,1,231352
```

15 Contact us

Please email us with any suggestions you may have on how we can improve the site to better meet your needs.

Functions in high demand will be prioritised accordingly.

Contact us:

Phone: 1300 211 253

E-Mail: SCIMS@customerservice.nsw.gov.au

Mail: SCIMS & CORS Unit

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DCS Spatial Services

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Haymarket NSW 2000