

# How to find a bore and bore report

## NR Maps User Guide

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

To seek assistance using NR Maps, please contact the department's Geospatial Services Branch.

Email [datarequests.denr@nt.gov.au](mailto:datarequests.denr@nt.gov.au)

Phone (08) 899 94579

We recommend reading the guides, *Quick Start Guide* and *How to use the Selection Tools*.

View the [user guides](#) or click on the Help link on the top right of the NR Maps screen.

### Know Your Bore tool

[www.nt.gov.au/knowyourbore](http://www.nt.gov.au/knowyourbore)

A dedicated Know Your Bore tool displays bores that may be at risk of running dry in the 2019 Dry season in the Darwin rural area.

All bores in the NT are searchable and contain a link to the bore report.

This is a simple web tool that users may prefer to NR Maps.

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## Section 1. Important information about bores

### Accuracy of bore locations

Bore location details are provided by the driller to this department shortly and described on the Final Statement of Bore report. The bore location is sourced using GPS with an accuracy of +/- 10 metres.

Prior to 1995 and the use of GPS;

- The bore location was described using a topographic map with a positional accuracy ranging between 300 metres and 10 km.
- The driller supplied a location sketch and a description for a grid reference from a 1:100,000 topographic map.
- These bores may be incorrectly located on NR Maps compared to the on-ground location.

When viewing the bore report, please consider the location accuracy based on the date of drilling.

### Please tell us if a bore location is incorrect

If you are able to provide information about a bore location that is displayed incorrectly on NR Maps, please send details to Water Resources via email [WaterResources@nt.gov.au](mailto:WaterResources@nt.gov.au)

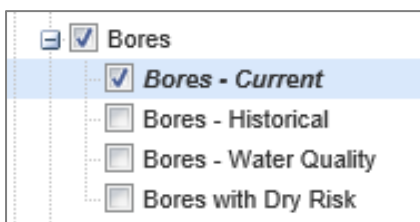
Information about bores, including location, drilling depth, casing details, water quality and chemical analysis, are stored in the Hydstra database. The NR Maps web application displays bore details using this database.

Corrected bore locations will be updated in the Hydstra database, however, the details on the original scanned Statement of Bore Report will not change.

### About the Bore display in NR Maps

Registered bores have been split into 2 groups, Current and Historical.

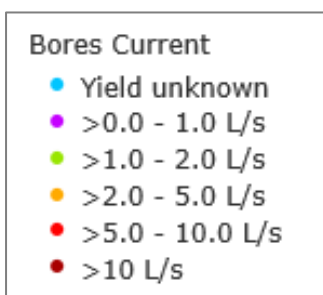
Only current bores may be searched using the Quick Entry tool.



To search the other bore layers:

- make the layer active: right mouse click and Set Active
- select the Search tab in the Table of Contents

For information about the bores layers, right mouse click and select **Metadata**.





The **Bores – Current layer** is displayed on the map screen using coloured circle symbols.

- The colours are representative of the Yield Class.
- The yield (L/s) for each bore is grouped using a Yield Class.
- View the **Legend** tab in the Table of Contents.

The data results for each bore contain the actual yield (L/s).

## Section 2. How to find bores and bore reports

### Method 1. Use the Quick Entry Tool with a registered bore number

Quick Search bores and land parcels:   


Enter the **Registered Bore number** using Quick Search tool

Registered bore numbers are prefixed with RN and 0 to make up 6 digits. E.g. Enter: **RN033343**



As you begin to enter text, a drop down list of available matching records will appear.

Click on one of the records in the drop down list. The map display will zoom to the location and data details about the selected record can be viewed in the Data Results window.

Search for Registered Bore Number RN033343.

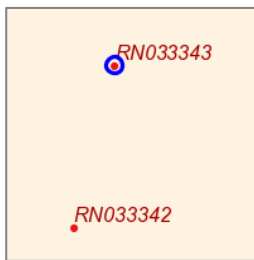
Quick Search bores and land parcels:   

Bore: RN033343

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Enter RN033343

Click on the returned record



The map will zoom to the selected record.

The bore location **point** will be highlighted in **bright blue on the map**.

The Bores – Current dataset will automatically become the Active Layer when you use the Quick Search tool.

The Bores – Current layer name will change to bold italic text and the display will be automatically be ticked on in the layers listing.

Information about the selected bore is displayed in the **Data Results** window located at the bottom of the map screen. The data can also be viewed in the Data tab next to the map screen.

Use the scroll bar, on the bottom of the Data Results window, to view all the columns of data details about this bore including; Yield 40 L/sec, completed Depth 40.8m and date drilled 1/12/2001.

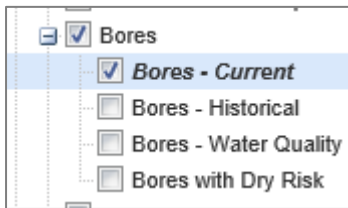
Data (1)		
Bore No	Bore Name	Bore Report
RN033343		<a href="#">View Report</a>

Click on the link, [View Report](#)

The Final Statement of Bore report will open as a PDF.

Print the report or save to your computer.

## Method 2. Use the Search function with a registered bore number

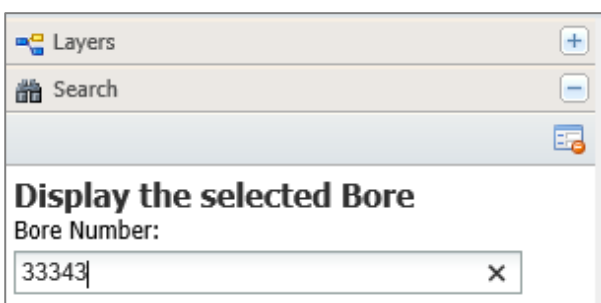


Change the Active Layer to Bores - Current

Right mouse click on Bores - Current and select Set Active.



Click on the Search tab to open.



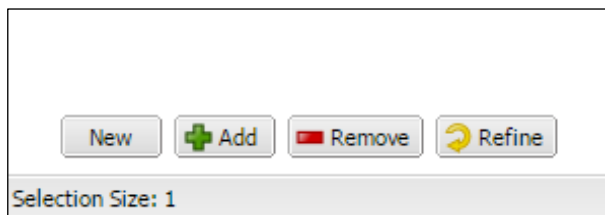
Enter a registered bore number.

The Bore number can be entered as either;

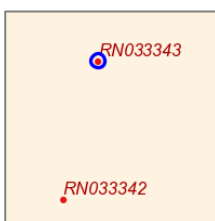
**RN033343**

**033343**

**33343**

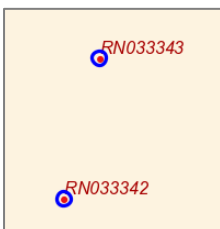


Click on the **New button** (at the bottom of the panel) to zoom to the selected bore on the map screen.



The selected bore will be highlighted **bright blue** on the map screen.

Use the Search tool again and **add RN033342** to the selection list.



Enter **33342**

This time press the **Add button**.

Both bores are now selected and details may be reviewed in the Data Results window.

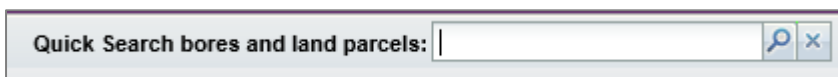
Data (2)		
Pan            Zoom            Remove            Refine            Export		
Bore No	Bore Name	Bore Report
RN033342		<a href="#">View Report</a>
RN033343		<a href="#">View Report</a>

### Method 3. Use land parcel or address to search for bores

#### Summarised Instructions

1. Quick Search entry tool: Enter the land parcel or address
2. Auto zoom to the parcel location highlighted blue on the map screen
3. Cadastre (land parcels) will automatically be the Active Layer (via Quick Search)
4. Layers: Right mouse click NT Bores and make this the Active Layer
5. Selection tools: Select the bores on the map screen
6. Data Results: Review the bore information
7. Click on View Report or export results

#### Detailed Instructions



Quick Search bores and land parcels:

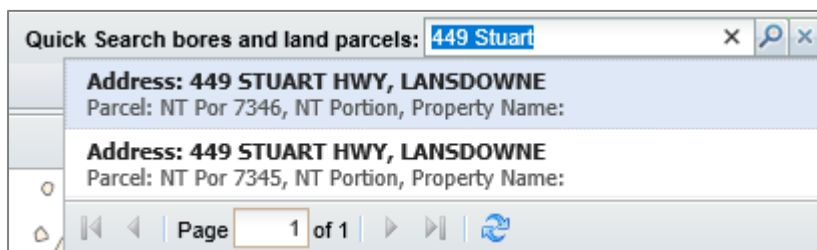
Enter **Land Parcel** details using the Quick Search entry tool, located at the top right of the map screen.

*Land parcel details include: Street name and number, Parcel Number, NT Portion number, Property Name, Suburb, Townsite.*

*As you begin to enter text, a drop down list of any matching available records will appear.*

*Click on a record in the drop down list. The map display will zoom to the location and data details about the selected record can be viewed in the Data Results window.*

Search for NT Portion 7346. The address is 449 Stuart Highway (Katherine).



Quick Search bores and land parcels:

Address: 449 STUART HWY, LANSDOWNE  
Parcel: NT Por 7346, NT Portion, Property Name:

Address: 449 STUART HWY, LANSDOWNE  
Parcel: NT Por 7345, NT Portion, Property Name:

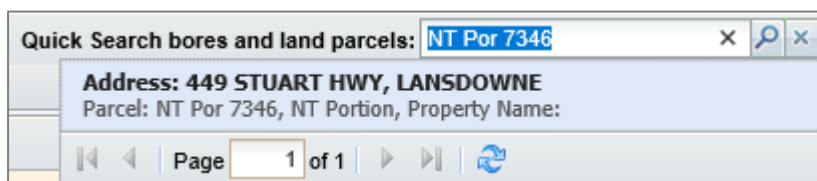
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#### Enter the street address

There are 2 records that contain 449 and also Stuart.

Click on the top record.

**OR**



Quick Search bores and land parcels:

Address: 449 STUART HWY, LANSDOWNE  
Parcel: NT Por 7346, NT Portion, Property Name:

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#### Enter NT Por 7346

Only 1 record will return.

Click on this record.

The map will zoom to the selected parcel of land, NT Por 7346, and will also be highlighted in **bright blue** on the map screen.

*Note: I cannot enter the text, NT Portion 7346*



Quick Search bores and land parcels:

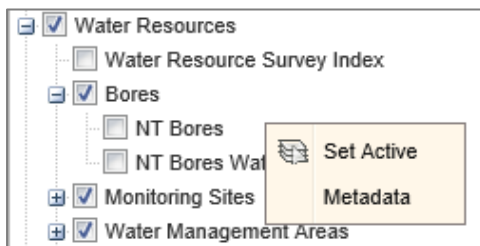
No records will return.

Information about this land parcel is described in the Data Results window.

0 500 1,000 1,500m Scale 1: 36,112 Latitude / Longitude: -14.47206, 132.33038 GDA94					
Data (1)					
Pan Zoom Remove Refine Export					
ILIS Link	Laiskey	Street Number	Street Number Part	Street Name	Street Type
<a href="#">Open</a>	000 07346	449		STUART	HWY

**NOTE:** The [blue ILIS link](#) may only be opened by users with access to this system. The Department of Infrastructure, Planning and Logistics administer the ILIS system and is the custodian of the cadastre data layer. Right mouse click on the Cadastre data layer and view the Metadata.

When an address is entered in the Quick Search tool, Cadastre (Land Parcels) is the Active Layer.



To use Selection Tools for the bores, the Active Layer must be changed to Bores – Current.

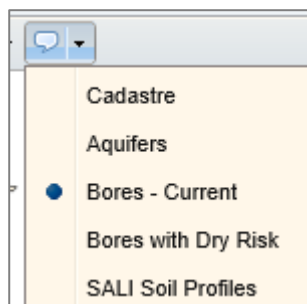
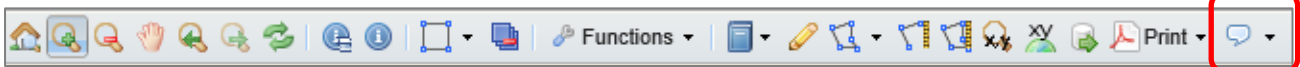
**Right mouse click on the Bores - Current and select this as the Active Layer.**



The layer will automatically be ticked on

The Bores – current layer name will change to **bold italic text**.

## Map Tips tools!



Use the **Map Tips tool** for quick bore details.

1. Change the layer to Bores – Current
2. Hover the mouse over a bore to see the summarised information noting the Bore No, Yield, Purpose and Report.



## Selection Tools

Use the Identify tool (blue circle on left) to review details about a single bore.

Use the Selection tools (drop down arrow) to select many bores.

- Select the Rectangular Selection tool (left in the drop down list)
- Draw a rectangle around the bores to select the bores on the map screen.
- Review the details about the selected Bores in the Data Results window.

Read more information in the NR Maps user guide “How to use the selection tools”.

Pan Zoom Remove Refine Export		
Bore No	Bore Name	Bore Report
RN033343		<a href="#">View Report</a>

Select the View Report link to view or save the Statement of Bore report.

## Method 4. Select ALL the bores within a land parcel

### Summarised Instructions

#### Step 1: Select the land parcel

1. Quick Search entry tool: Enter the land parcel details
2. System will zoom to the parcel location on the map screen
3. Cadastre (land parcels) is automatically the Active Layer

#### Step 2: Use the Spatial Select tool to select all the bores within the land parcel

1. Spatial Select tool – Target: Bores - Current within the parcel boundary
2. All bores within the parcel will be selected; Bores - Current will become the active layer.
3. Data Results: Review the bore information
4. Click on View Report; or export all the results

### Detailed Instructions

Use the Spatial Select tool to select ALL the bores within NT Portion 7346.

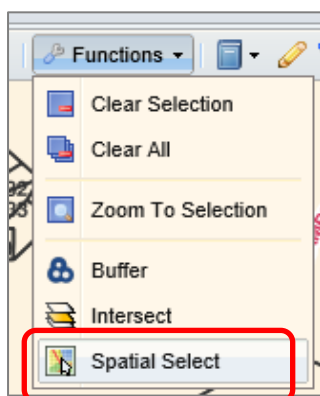


Enter the **Land Parcel** details using Quick Search

Enter **NT Por 7346**

This land parcel will be highlighted in **bright blue** on the map screen.

The Cadastre data layer is automatically the Active Layer when you use the Quick Search tool.



#### Open the Functions toolset

Click on the **Spatial Select tool** and let the system do this task for you.

*NOTE: To use this tool, you do not need to display the bores on the screen. The bores will automatically be selected and displayed. The bores layer will also become the active layer.*

#### Enter details for the bore selection

**Target:** from list, select Bores - Current

**Type:** Click on the arrow and select Intersects or touches

**Source:** The selected parcel

Click on the New button

*Note: Change the Type to **are within a distance of** to increase the buffer distance in metres around the selected parcel.*

