

Water Management Branch- User Manual

A Guide to Searching for Bore Information on NRETA Maps

NRETA Maps is a mapping system that will allow government, industry and the general public to view information relating to natural resource information. This manual has been created to assist users in obtaining information relating to groundwater and specifically bore information. If you require further clarification on the use of NRETA Maps for Bore information and assistance in interpreting information, please contact the Water Management Branch Staff on (08) 8999 3678.

Please note that whilst NRETA Maps can provide you with information on Bore Reports and Locations, the Department has encountered some inaccuracy in the plotting and locations of bores. It is important that you check the property address located at the top of the bore report to ensure it is the correct report for the property in question.

The Northern Territory Government of Australia does not warrant that the product or any part of it is correct or complete and will not be liable for any loss, damage or injury suffered by any person as a result of inaccuracy or incompleteness.

Step 1-Basic Functions of NRETA Maps

1. To access NRETA maps via the Internet type www.nt.gov.au/nretamaps into your internet toolbar.
2. You will then be displayed with the NRETA Maps Internet Page. Scroll down to the bottom of the page and click the [Launch NRETA Maps](#) Link. Please also note that next to this link is a link to [Information About NRETA Maps](#) which refers to the general functions of the program.
3. The screen shown in Figure 1 will then be displayed once you have launched NRETA Maps. Note the Map Layers on the left hand side of the screen. By selecting the appropriate features you will be able to view a variety of information on your Map.
4. Note the tools located above Map Layers. This will assist you in undertaking a number of functions including zooming in and out in scale, printing and saving maps, obtaining information from map features such as bores and other technical data and limited measuring tools.

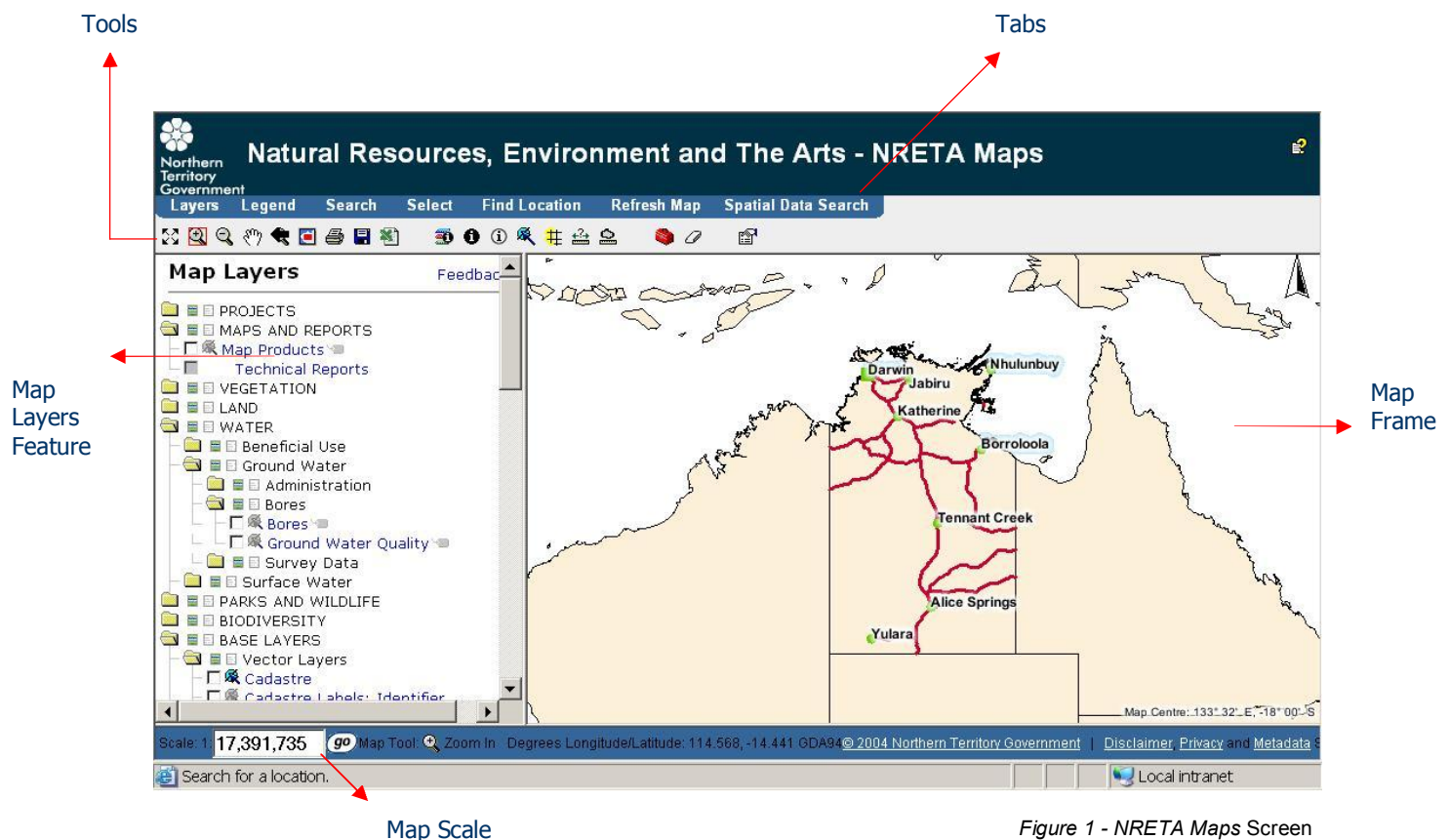


Figure 1 - NRETA Maps Screen

1. Map Layers will allow you to turn on and off desired features. There are a number of features and functions provided by NRETA Maps which may be used as a useful tool in gaining information on the administrative, geographical, biological and hydrogeological features of a particular property or region.

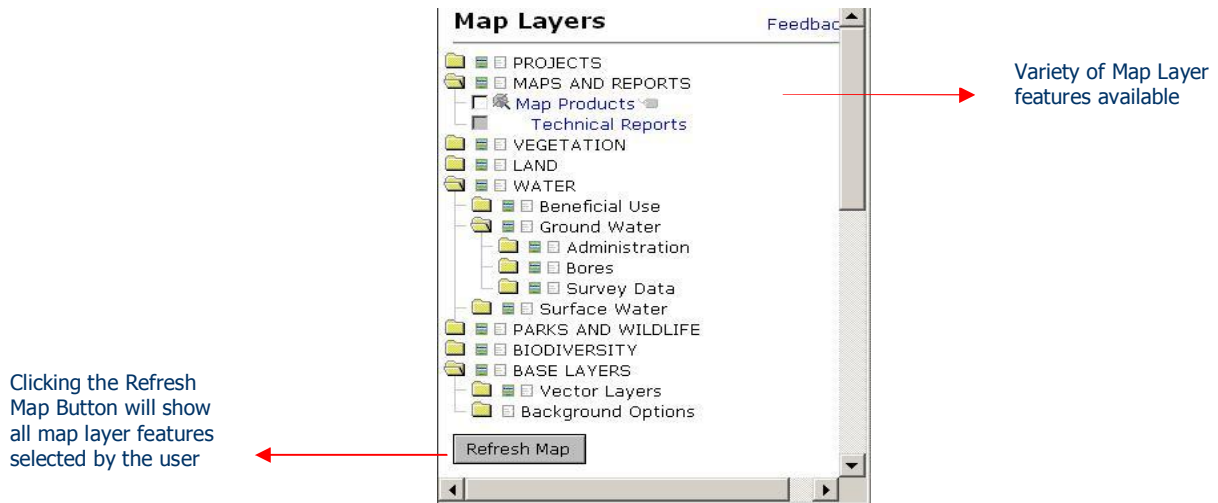



Figure 2- Map Layer features

2. To find information regarding Bore location for a property you must ensure that you have the **Cadastre, Cadastre Labels: Identifier, Cadastre Labels: Street Number, Road Centrelines** and **Other Roads** boxes, located under Vector Layer Folder, selected as well as the **Bores** box under the Water ⇨ Ground Water ⇨ Bores Layer Folder. To label these features you must ensure that the  has been selected (this should turn yellow when selected).

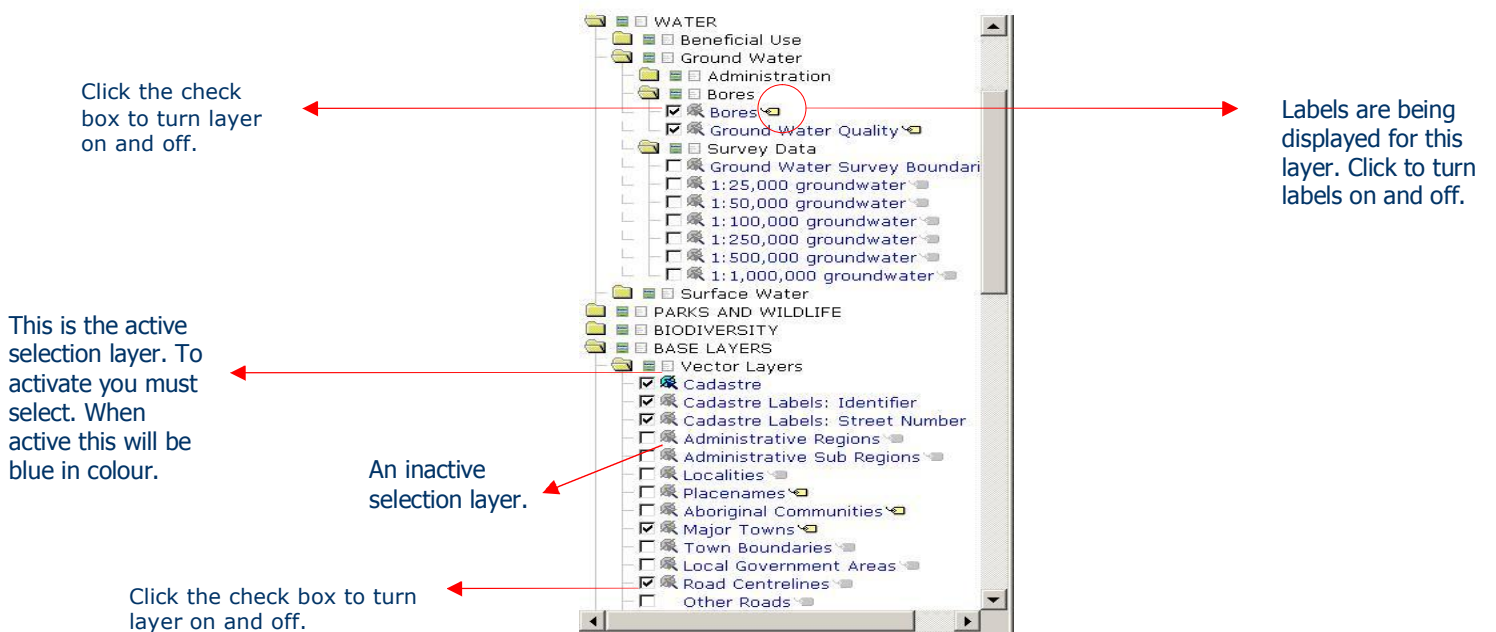



Figure 3- Selecting Layers

Step 2- How to Conduct a Property Search

A property search will allow you to obtain specific information on a property, and in this case information specifically related to registered bores. This search option will also allow you to conduct search of properties without bores, those properties intending to drill bores, to obtain information on bores that have been drilled on adjacent properties. This information can give you a good indication of what groundwater resources may be available in the region. However it is not a guarantee of groundwater. It is best that you contact an NT Registered Bore Drilling company to obtain more information.

1. To conduct a property search you must ensure that the **Cadastre** layer is the active selection layer by ensuring the icon  is highlighted. This will allow you to search specific property numbers or street addresses.

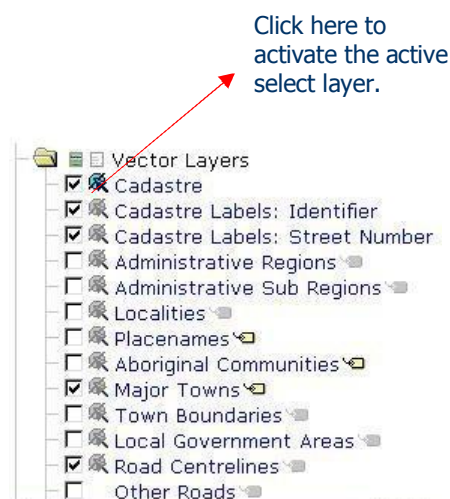


Figure 4- Property Search

1. To search for a specific property select **Search** on the navigation toolbar and the screen shown below (Figure 5) will appear. Then in the **Street Number** box type the street number of the desired property and in the **Street Name** box enter the street name in which the property is located (NOTE: you must enter the correct street number and spelling of the street name to get a result but do not enter the street type). You can also enter the suburb in the **Suburb** box. Select the **Search** button to complete the search.

Select the Search Tab on the Navigation toolbar to search for a specific Property.

Enter the Street Number.

Enter the Street Name you wish to find.

Select the Search Button to complete the search.

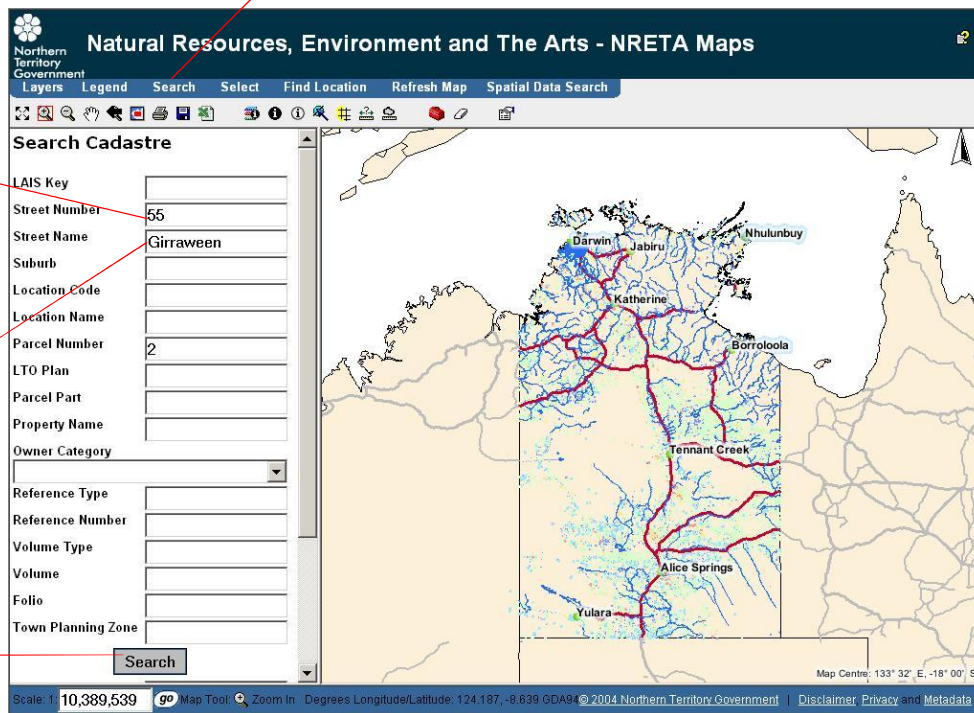
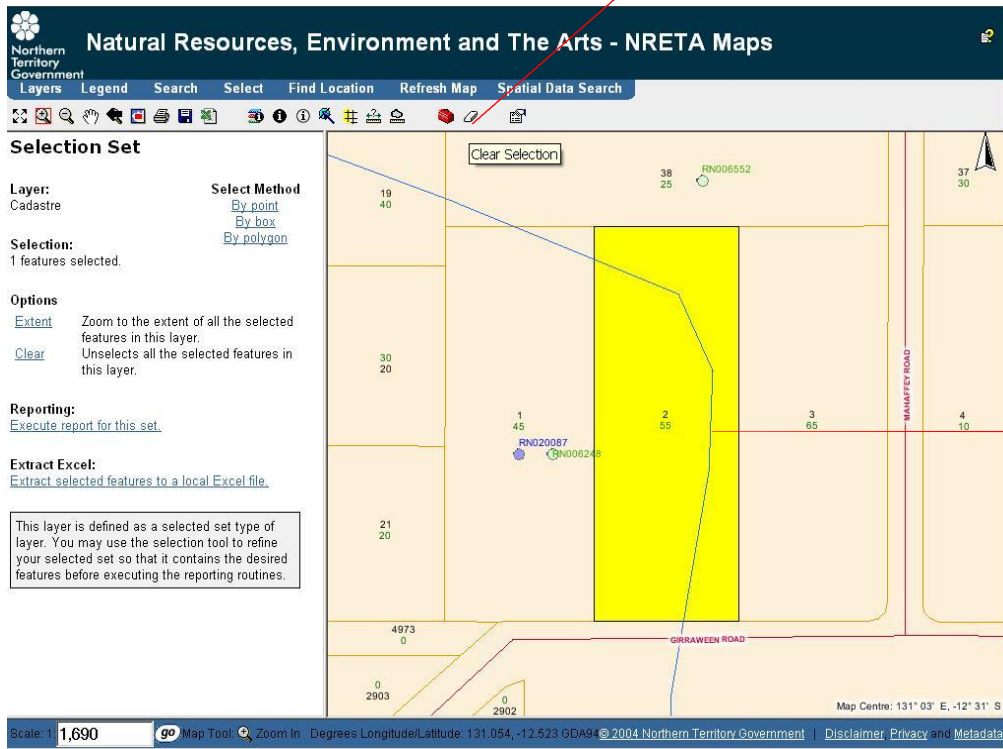


Figure 5- Entering Address Data

2. Once you have selected the **Search** button, the property in which you have conducted the search will appear as seen in the screen below (Figure 6). The parcel of land is highlighted in yellow. To remove this selection to view the features on the block you must select the **Clear Selection** button on the resource toolbar. If your search returns no results, you can broaden the search by using the **Street Name** and/or **Suburb** only.

NOTE: If you find that the property you have conducted your search does not show an icon of a registered bore, yet you know there is a bore on the property it is important that the Water Management Branch is informed of its existence. Similarly if you believe the location of the bore on NRETA Maps is incorrect it is important that we rectify this in relation to future bore drilling prospects. A form is attached at the back of this manual that should be filled out and faxed to the Water Management Branch (08) 8999 3666 with the appropriate information relating to bores on the property. An example is also attached to assist you in this process.

This is the Clear Selection button located on the toolbar.



The searched property is located and highlighted in yellow.

Figure 6- Viewing Available Bore Data

- To view information about bores on the map, ensure that you have activated the **Active Selection Icon** under the **Bores** folder on the Map Layer. You must then select the **Identify** button on the resource toolbar and click directly on the **Bore Icon** that you wish to obtain a report from.

You must have selected the Identify Button to view information on features on your working map.

The Active Selection Icon must be activated.

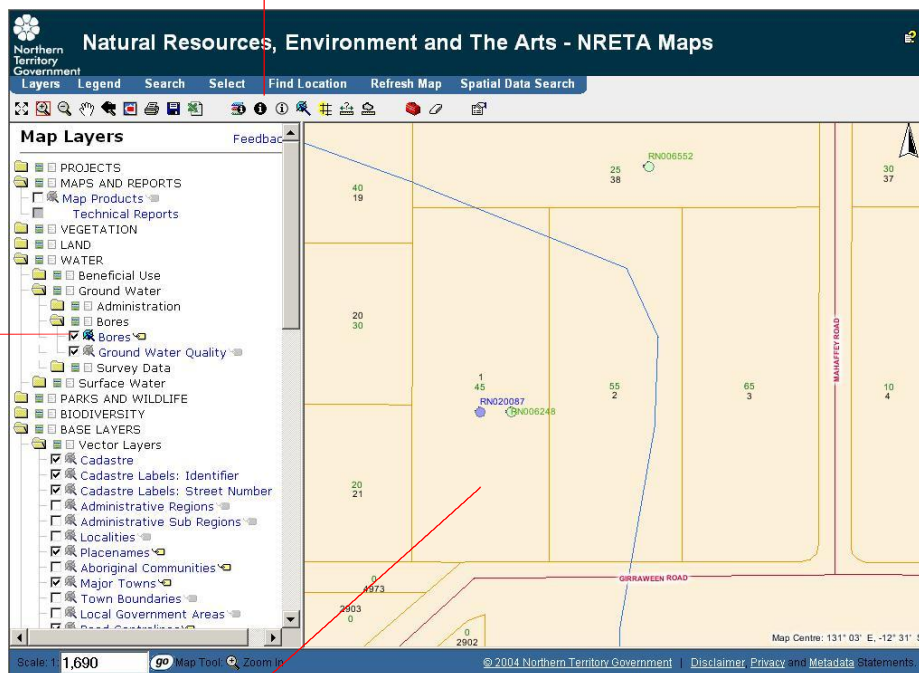


Figure 7- Viewing available bore data

You must click on the Bore Icon to access information on this resource.

- Once you have selected this feature, a [link](#) to the bore report will appear in the left hand panel under **Identify Results**. To access a PDF Document of the Bore Report (Reg 8 Form) submitted by the Driller at time of drilling and any other historical information of the bore you must click on this [link](#).

When searching for a specific bore report the Identify Results section will give you a brief summary of the Bore Report (Reg 8) form.

Select this link to read the bore report (Reg 8 Form).

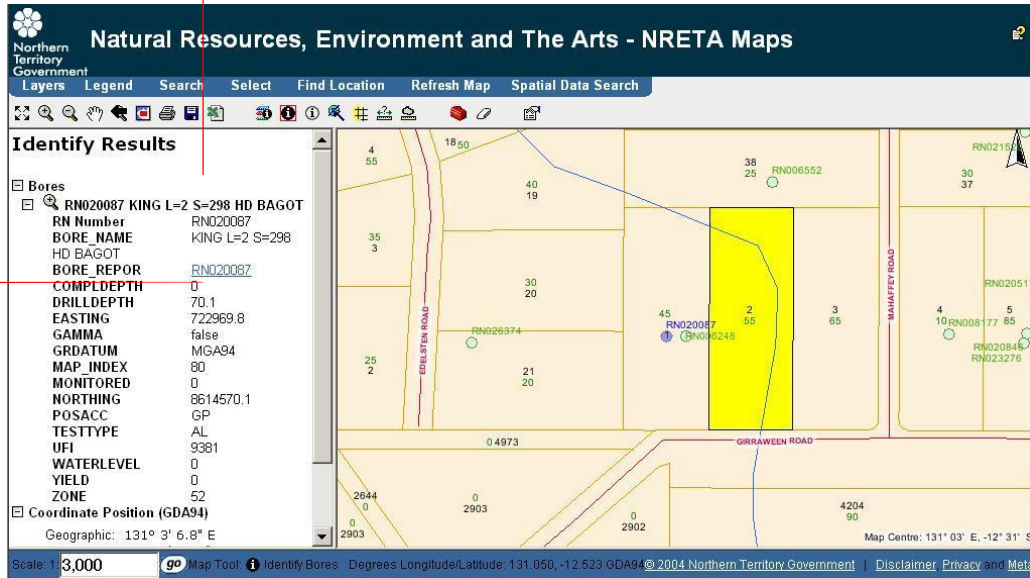


Figure 8- Finding the Bore Report

- You will then be presented with a PDF Version of the Bore Report (Reg 8 Form) in a new window. From here you are able to print or save the document for future use. For assistance in understanding a bore report please do not hesitate to contact the Water Management Branch on (08) 8999 3678.

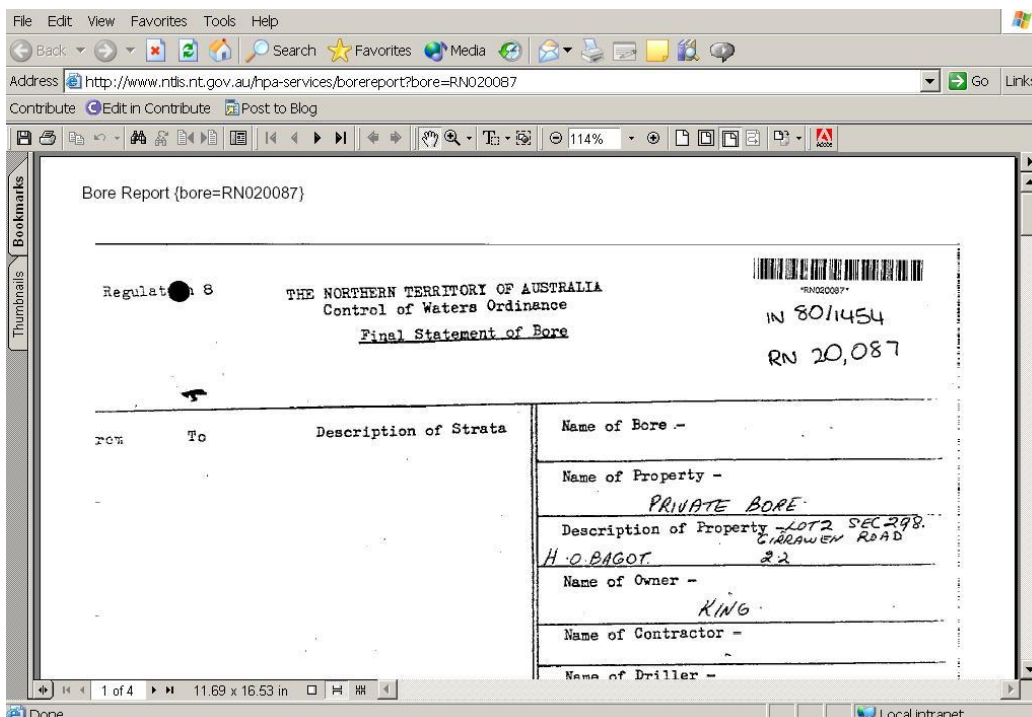


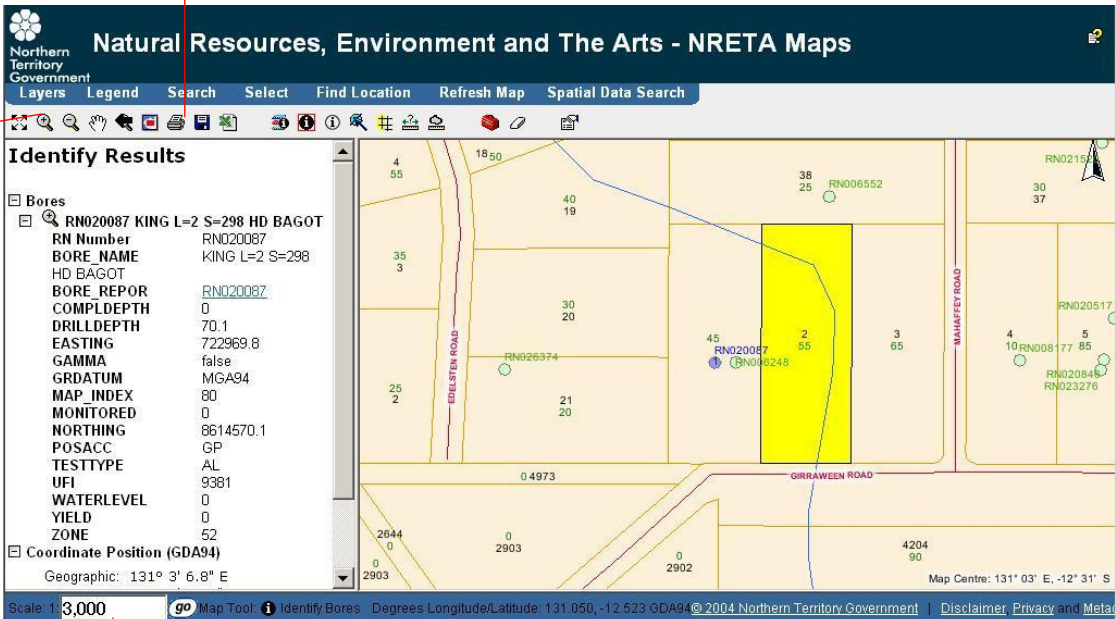


Figure 9- The Bore Report

Step 3- How to Create a Property Resource Map

1. To create a map highlighting the resources on property, select the **Print Icon**  in the resource toolbar. Ensure that the map is set at the desired scale. This can be changed by using the **Zoom in** and **Zoom Out Icon**  on the resource toolbar or by manually adjusting the scale in the **Scale Tab** located in the left corner on the NRETA Maps screen.



Print Icon


Zoom In and Zoom Out Button

Scale Tab can be changed by clicking and typing in the tab.

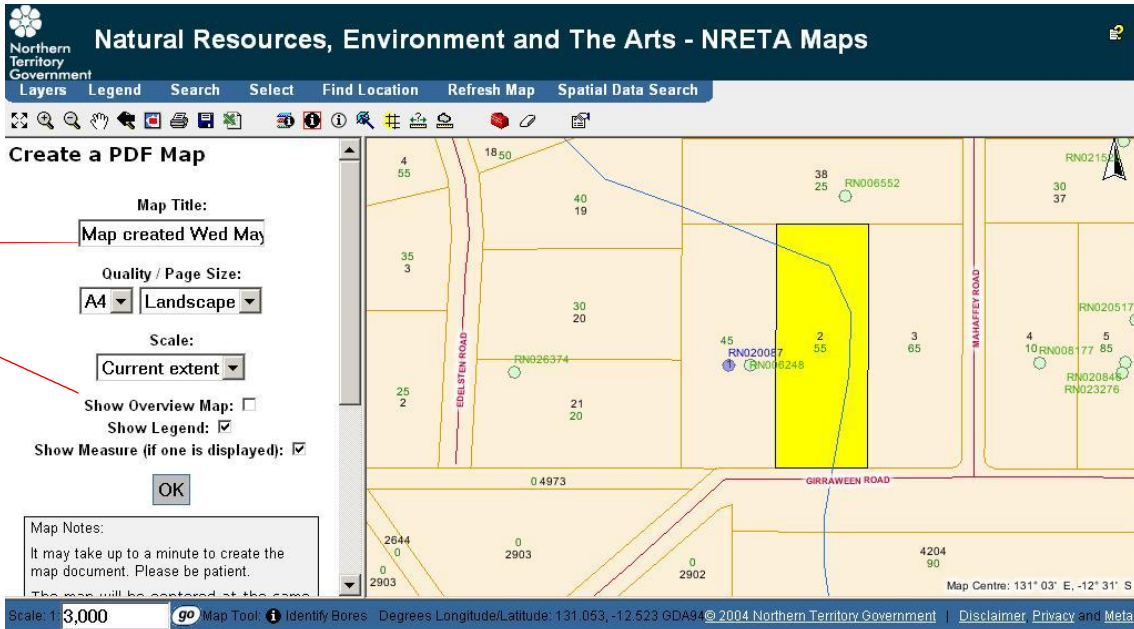
Identify Results
 Bores
 RN020087 KING L=2 S=298 HD BAGOT
 RN Number RN020087
 BORE_NAME KING L=2 S=298
 HD BAGOT
 BORE_REPOR [RN020087](#)
 COMPLDEPTH 0
 DRILLDEPTH 70.1
 EASTING 722969.8
 GAMMA false
 GRDATUM MGA94
 MAP_INDEX 80
 MONITORED 0
 NORTHING 8614570.1
 POSACC GP
 TESTTYPE AL
 UFI 9381
 WATERLEVEL 0
 YIELD 0
 ZONE 52
 Coordinate Position (GDA94)
 Geographic: 131° 3' 6.8" E

Scale: 3,000

Figure 10- Constructing a Map

2. Once you have selected the **Print Icon**  you will be asked to create a **Title** for your map and will be given an option to change the map scale or keep the existing scale. It is recommended that you keep the current extent if you want to print exactly what appears on your screen. The other scale options should be used if you need to create a map at another scale. To create the map, press the **Ok** Button.

The map will take a few seconds to generate. After that, a message will appear indicating that the map has been successfully created. To open the PDF Map, select the [link](#) to **Open Map**.



Type a new map title, choose paper size and change scale if needed.

Figure 11- Labelling and Scaling Your Map

3. A PDF version of your Map will be produced in a new window. You will have the option of printing or saving the map. The map will feature a legend relevant to the features you have selected at the time of creating your map (optional but recommended). An approximate scale will be indicated in the bottom right hand corner of the map.

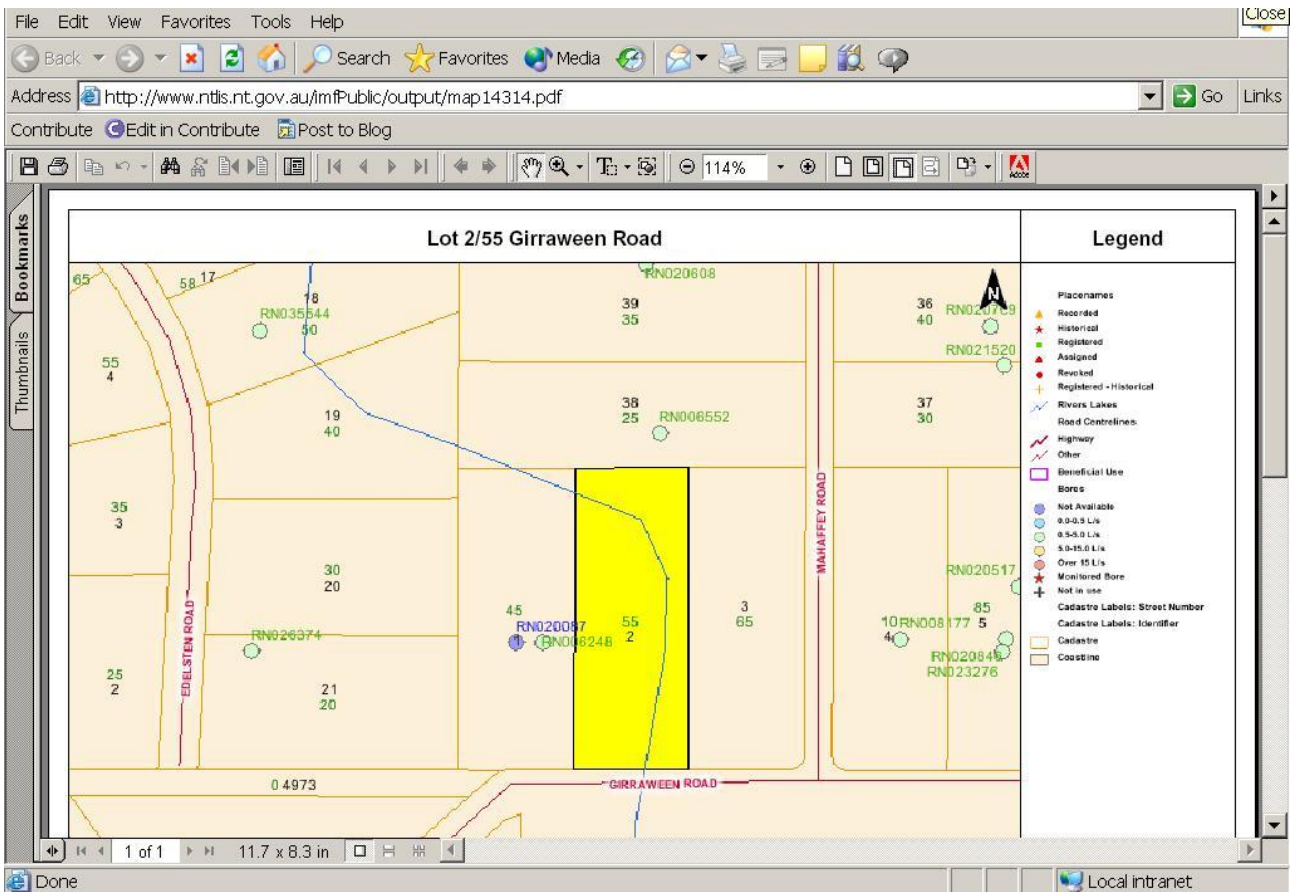




Figure 12- PDF Version of Map

Step 4- How to Conduct a Bore Search

A bore search will allow you to obtain information on a specific bore. You will need to know the registration number of the bore before conducting this search. This is an alternative way of searching for a Bore Report.

- Similar to that of a property search you must ensure that you have selected the **Bore** check box and ensure that the Bore **Active Selection Icon**  has been activated. This will allow you to search for specific bores. To undertake this function you must know the Registered Bore Number, or **RN Number** (eg. RN032527). You will then be presented with the screen shown below (Figure 13). Here you must enter the RN Number of the Bore. You must include RN and then the Number with no space in between (eg. RN032527). The Registered number for a bore consists of eight characters (RN and 6 digits) and all characters must be entered to correctly identify the bore. For example if the bore number is 1234, two zeros must precede 1234 to read RN001234. Then select the **Search Button** .

Type RN Number here.

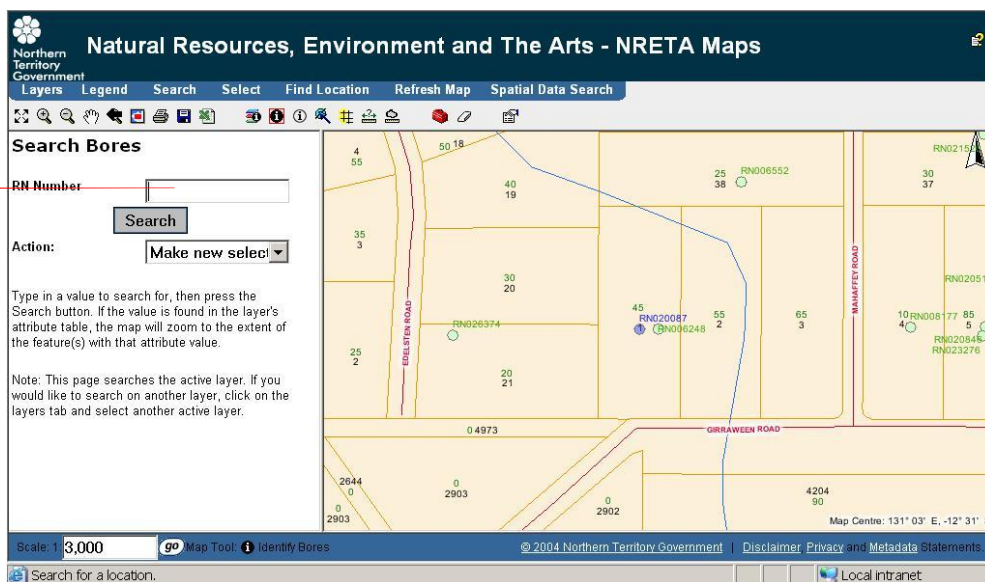


Figure 13- Searching by RN Numbers

- If found, the Map Frame will zoom to the bore you are searching for. The **Bore Icon** will be highlighted in Yellow and the link and summary to the Bore Report (Reg 8 Form) will be displayed in the left hand panel under **Query Results**.

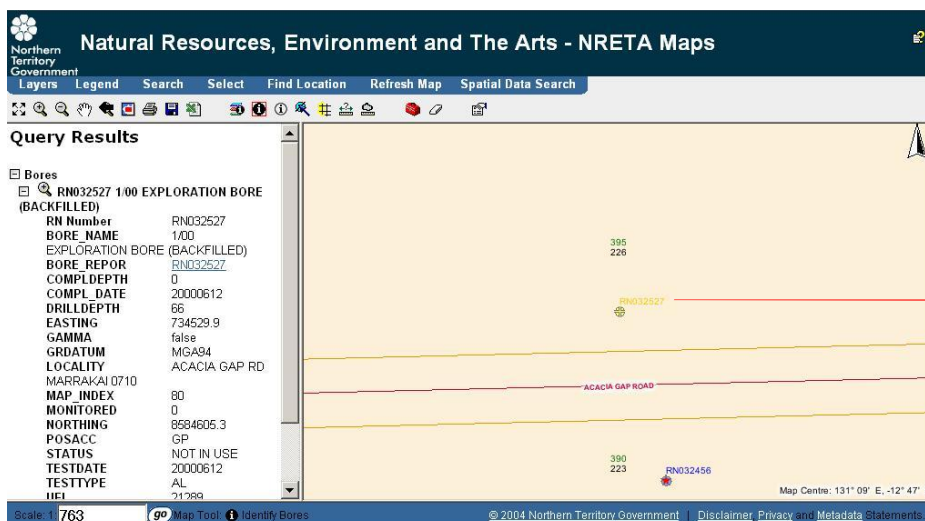


Figure 14- Bore is found via RN Number (highlighted in yellow)

Bore Reporting and Adjustment Form

INSERT DRAWING OF PROPERTY AND CORRECT LOCATION OF BORE.



PROPERTY ADDRESS: _____

IS THE BORE:

Plotted
wrong on
property

Doesn't appear
on NRETA Maps

Has been
plotted on
the wrong
property

COMMENTS:

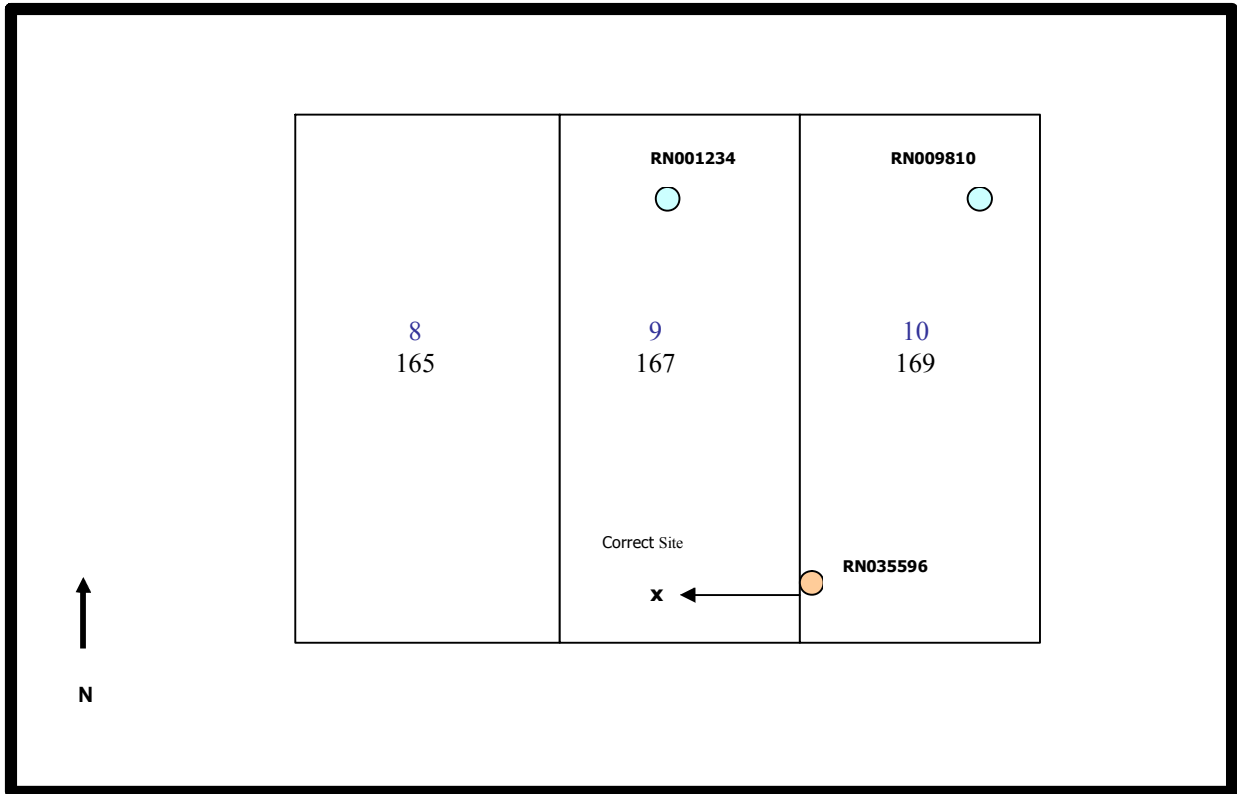
CONTACT DETAILS:

NAME: _____

PHONE NUMBER: _____

PLEASE FAX FORM TO (08) 8999 3666. FOR QUERIES TELEPHONE THE WATER MANAGEMENT BRANCH ON (08) 8999 3678, (08) 8999 3632 or (08) 8999 3647.

Bore Reporting and Adjustment Form: Example



PROPERTY ADDRESS: Lot 9/ 167 Darwin Road, Humpty Doo

IS THE BORE:

Plotted
wrong on
property

Does not appear
on NRETA Maps

Has been
plotted on
the wrong
property

COMMENTS:

Bore Rn035596 has been plotted on the wrong property. The correct property for this bore is Lot 9/ 167 Darwin Road. The bore is about 100m from the front boundary fence and 500m from the eastern boundary fence. Bore RN001234 has since been back filled.

CONTACT DETAILS:

NAME: Bart Simpson

PHONE NUMBER: 8988 8888

PLEASE FAX FORM TO (08) 8999 3666. FOR QUERIES TELEPHONE THE WATER MANAGEMENT BRANCH ON (08) 8999 3678, (08) 8999 3632 or (08) 8999 3647.