Quick start guide

1   Introducing the Healthy Pipes online tool

SA Water's Healthy Pipes online tool allows you to find our underground pipes, including water, wastewater, recycled water, and fire service mains and their connections.

By knowing the material, size, and approximate location of our underground pipes, you can help protect sewers and water mains from tree root intrusion by planting the right tree in the right place using SA Water's Tree Planting Guide.

With the Healthy Pipes online tool, you can find:

- Approximate locations of water, wastewater, recycled water, and fire service mains and connections.
- Pipe material and size of water and wastewater mains.

Disclaimer: SA Water's Healthy Pipes online tool is to be used in conjunction with Dial Before You Dig and is a quick reference guide for indicative pipeline locations ONLY as the quality of data on which the tool relies is variable.

2   Accepting the terms and conditions

When first accessing the Healthy Pipes online tool, you will be asked to agree to the tool's terms and conditions before proceeding.

The terms and conditions include a disclaimer that the tool is a quick reference guide for indicative pipeline locations ONLY and should be used in conjunction with Dial Before You Dig.
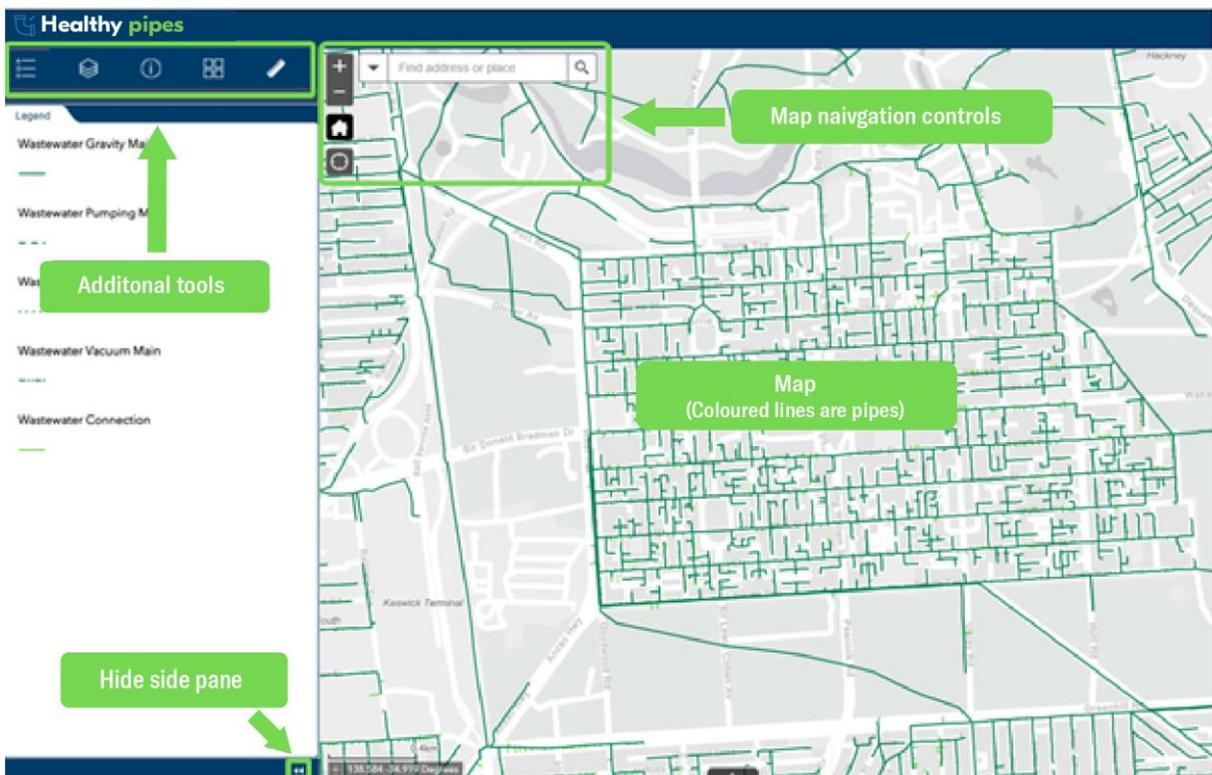
To continue using the tool, tick the checkbox to confirm you agree to the terms and conditions and click **Proceed**.

3   Understanding the interface

The Healthy Pipes online tool is composed of three main areas:

- **Map**: displays an overhead map with coloured lines showing approximate pipe locations

- **Map navigation controls**: controls to search for a specific address, zoom in and out, centre the map on the Adelaide CBD, and centre the map on your location (with permission)

- **Additional tools**: extra tools to explore the map, including options to toggle between street map or satellite imagery view, a legend to explain what type of pipe the coloured lines refer to, a ruler to measure distance, area or location, and links for more information

You can hide the additional tools side pane by clicking on the two arrows at the bottom of the pane.
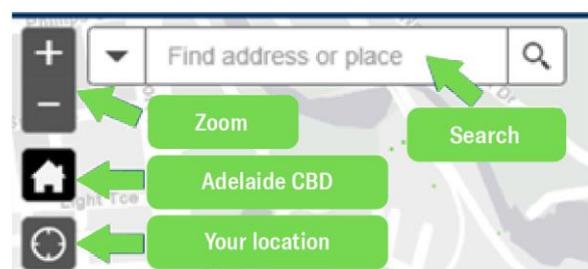

4   Using the map

The map allows you to find the material, size, and approximate location of SA Water's water, wastewater, recycled water, and fire service mains and connections.

By default, the map will only display locations of wastewater mains and connections. To also display water, recycled water, and fire service pipes, use the **layer list under additional tools.**

The map's main controls are in the top-left corner of the map.

1. **Search**: search for an address to centre the map on a specific location

2. **Zoom**: zoom in and out

3. **Home**: centre the map on the Adelaide CBD

4. **Locate**: centre the map on your location (may require you to grant location permissions to your internet browser)
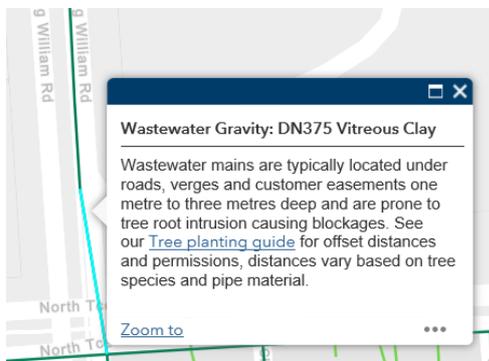
When using a computer, move around the map by clicking and dragging with your mouse or touchpad. You can also zoom using the scroll wheel on your mouse or the scroll function on your touchpad.

If you are using a mobile device, move around the map by touching and dragging. You can also zoom by using two fingers in a pinching gesture.
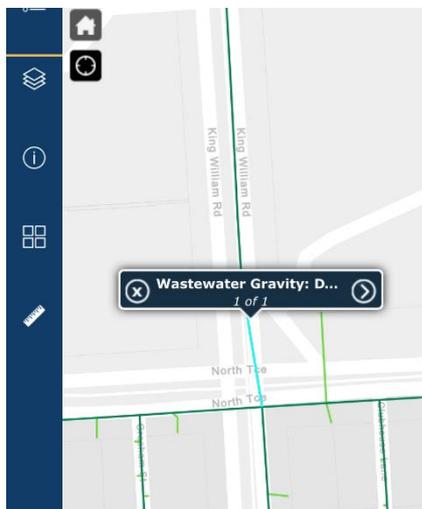
5   Viewing information about a pipe

Click on a section of pipe to view information about the pipe.
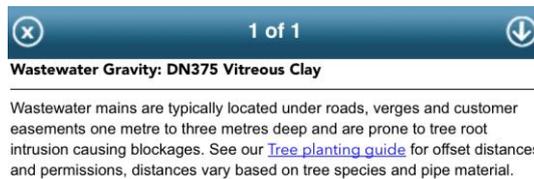
- Wastewater and water mains display the pipe's size and material.
- Wastewater and water connections only show estimated location.
- Fire service pipes display their size.
- Recycled water mains show several pieces of information, including their size, material, and recycled water class.

For mobile device **click** the arrow on the right hand side to expand the viewing field as below

Expand text from **clicking** arrow -

Pipe sizes are displayed in "Diameter Nominal" format (eg. DN300). The number after "DN" is the diameter of the pipe, measured in millimetres.

Wastewater mains made of vitreous clay are most at risk from tree root intrusion, while pipes made of PVC are less at risk. For advice on how to plant the right tree in the right place informed by the location and material of SA Water's underground pipes, see SA Water's Tree Planting Guide.

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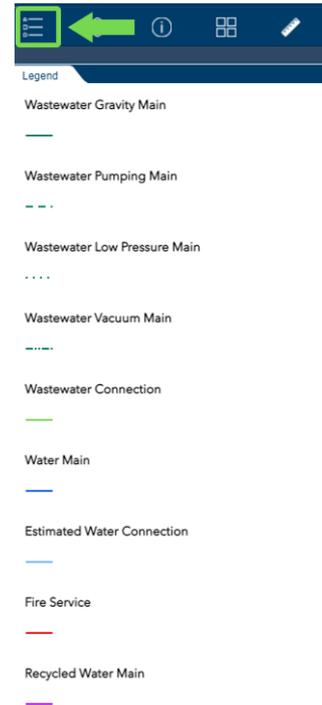Uncontrolled when printed or downloaded

6   Displaying the legend and what the lines mean

Display the legend and find what pipes the coloured lines are referring to by clicking on the legend icon in the additional tools side pane.

The Healthy Pipes online tool can display the following underground pipes:

- Wastewater Mains (gravity fed, pumped, low pressure, and vacuum fed)

- Water Main

- Estimated Water Connection
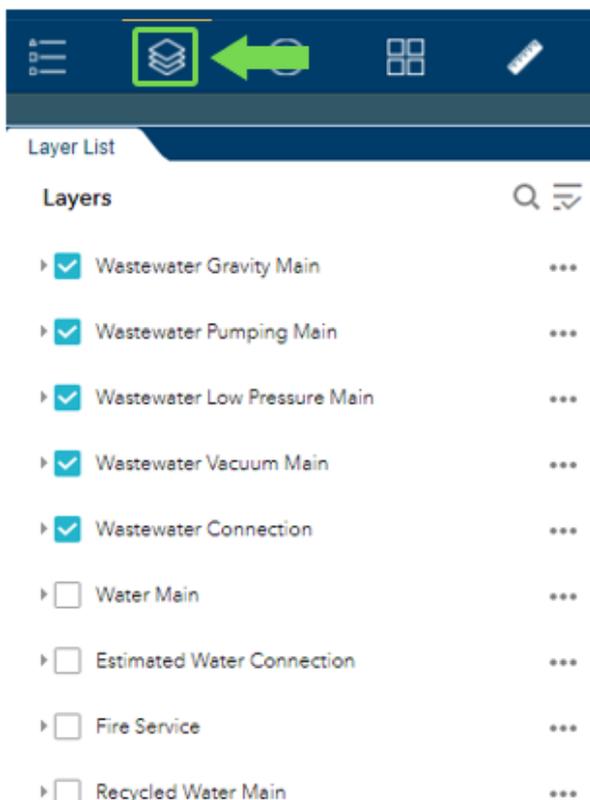
- Fire Service

- Recycled Water Main

See the SA Water website for information about our pipe network and the differences between gravity, pumping, low pressure, and vacuum wastewater mains.

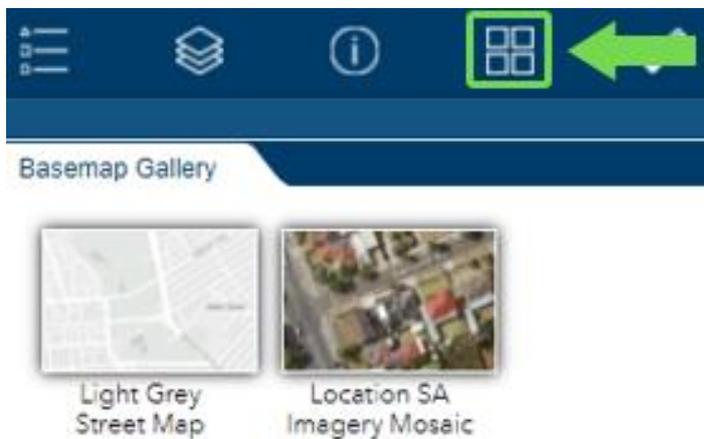# 7   Changing which pipes the map displays

By default, the Healthy Pipes tool will only display wastewater mains and their connections. You can also display water, fire service, and recycled water mains and their connections by clicking on the Layer List icon under additional tools.

Select or deselect the checkboxes next to each kind of pipe to toggle which pipes are displayed on the map.

8 Toggling between street map and satellite imagery

Switch between street map view and satellite view by navigating to the Basemap Gallery section under additional tools and selecting either "Light Grey Street Map" or "Location SA Imagery Mosaic".
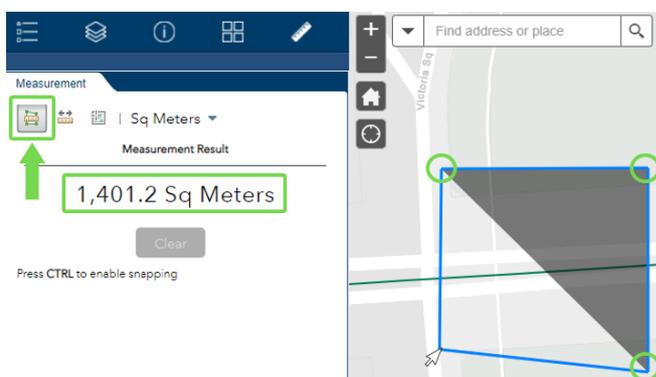

9 Using the ruler

The Ruler tool under additional tools allows you to measure area, distance, and latitude/longitude on the map.
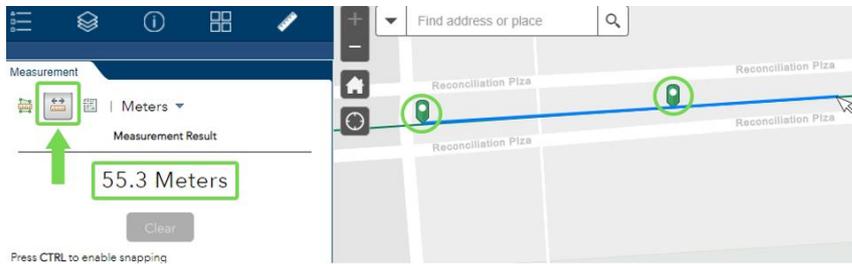

9.1 Measuring area

To measure the size of an area on the map, select the area measurement tool and click each corner of the area you want to measure. Double click on the final corner to save the measurement.

Click **Clear** to reset the measurement and measure a new area.
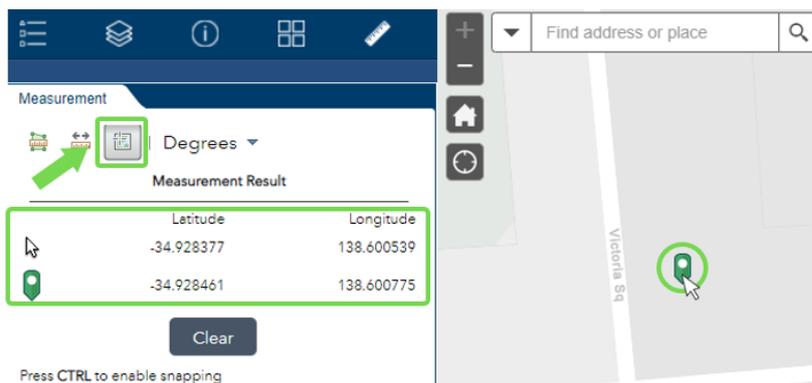
9.2 Measuring distance

To measure a length of distance on the map, select the distance measurement tool and click each end of the distance you want to measure. You can continue clicking multiple points to measure around corners and follow a length of pipe. Double click on the final point to save the measurement.

Click **Clear** to reset the measurement and measure a new distance.

9.3 Measuring latitude and longitude

To measure the latitude and longitude of a point on the map, select the location tool and select the point you want to locate. The Measurement Result table in the side-pane show the latitude and longitude of both the point you selected and the location of your cursor.

Click **Clear** to reset the measurement.

10 Further support

For help using SA Water's Healthy Pipes online tool, contact our Customer Care Centre ON **1300 SA WATER.**

For more information about service locations or to request altering our infrastructure, please contact sawateralterations@sawater.com.au.