



AQUATIC
Informatics



AQUARIUS WebPortal

User Guide (for Non-Administrator Users)

2024.3 | October 2024

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1 Welcome to AQUARIUS WebPortal

AQUARIUS WebPortal is a browser-based information and data presentation system integrating data collection, data storage, reporting, data computation, data management, and real-time information display.

1.1 About this Guide

This is your comprehensive guide to learning and using the AQUARIUS WebPortal system. You'll find topics related to new features, procedural information to help you perform various tasks, as well as technical reference information.

Document	User Guide (for Non-Administrator Users)
Product	AQUARIUS WebPortal
Version	2024.3
Release Date	October 2024

This guide is intended for new non-administrator users. To begin learning WebPortal, start by reading the *Get Started* topics to help familiarize yourself with AQUARIUS WebPortal.

1.2 Send Us Your Feedback!

After exploring this user guide, we encourage you to participate in our short [survey](#) to share your thoughts, ask questions, or simply tell us about what would make this documentation easy and efficient for you.

1.3 Thank you for choosing AQUARIUS WebPortal!

Aquatic Informatics ULC is continually improving and extending the capabilities of the AQUARIUS software platform, incorporating feedback from users and responding to changes and trends in environmental science.

We hope your experience with AQUARIUS WebPortal is enjoyable and productive!

2 Get Started

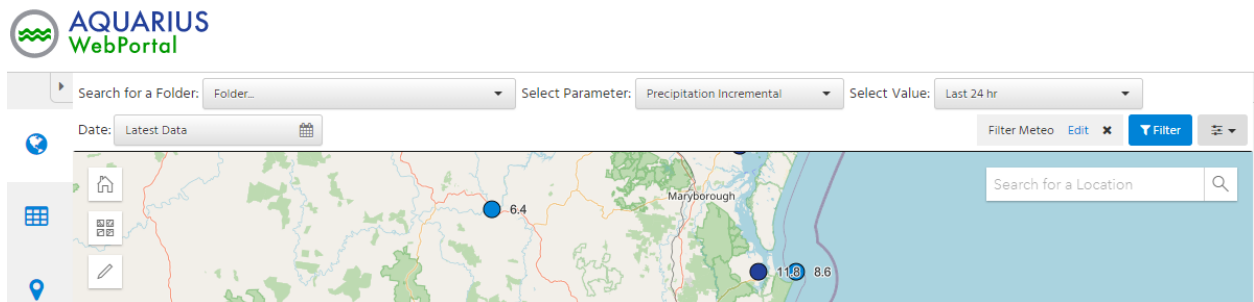
2.1 Navigating WebPortal

The following graphics, locations, and other data are from a generic database. Your data is different, and when you select elements you must substitute equivalent elements from your own data where necessary. The exact set of features available to you depends on how your system administrator has configured your account permissions or the public account permissions.

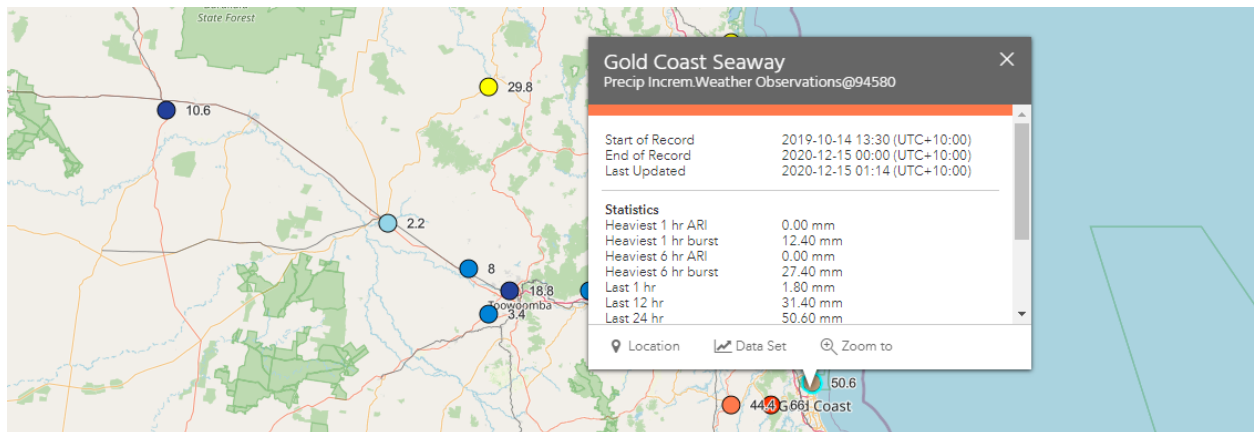
2.1.1 Navigate from Map View to a Data Set

Use the following guidance to help you navigate from the default map view of WebPortal data to specific data sets.

1. Starting on the map, click **Select Parameter**, then select a parameter from the drop-down list. For example, **Precipitation Incremental**.



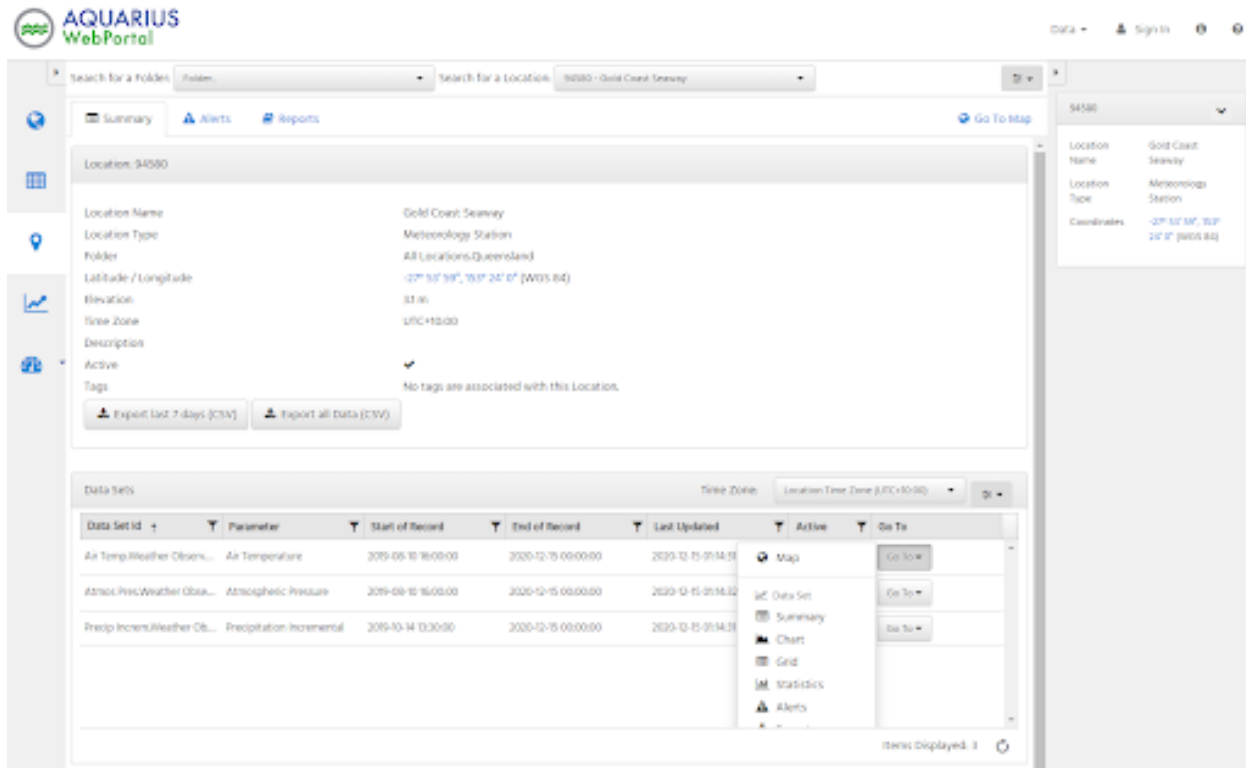
2. Click **Select Value**, then select **Last 24h** from the drop-down list. You can use this control to change the displayed parameter values.
3. Click an indicator to display a pop-up window with more information about the location and time-series.



- Click **Data Set** on the pop-up window, then select the **Grid** tab. This displays the information for that location in tabular format.

2.1.2 Location Summary

To view more details about a Location, select the **Summary** tab, or click **Location** from a pop-up window. The **Location Summary** tab displays information about the location and the list of data sets at the location.

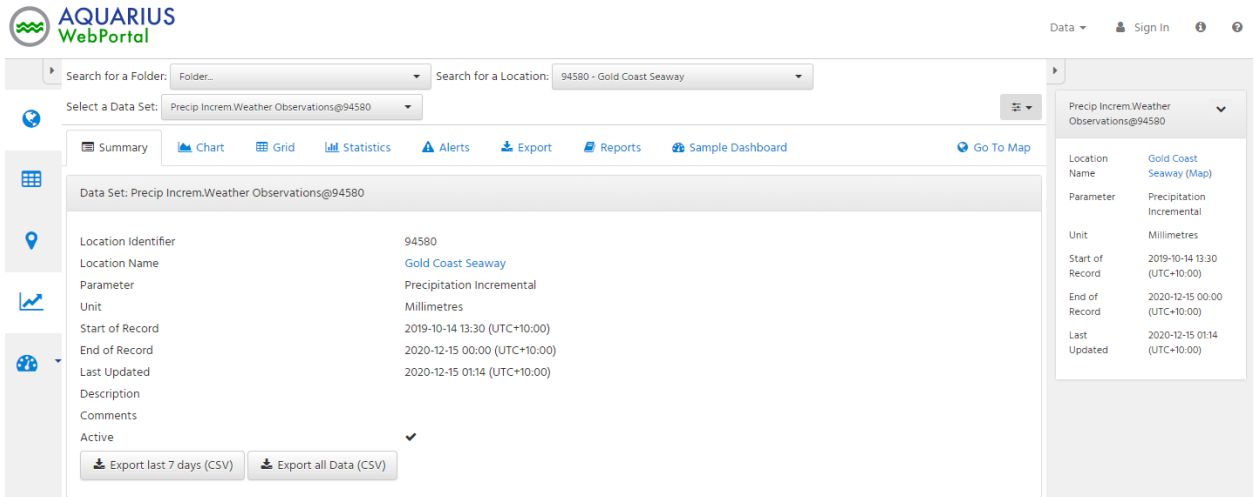


2.1.3 Data Set Overview

To view more details about a data set, click the **Go To** menu from the **Location Summary** tab.

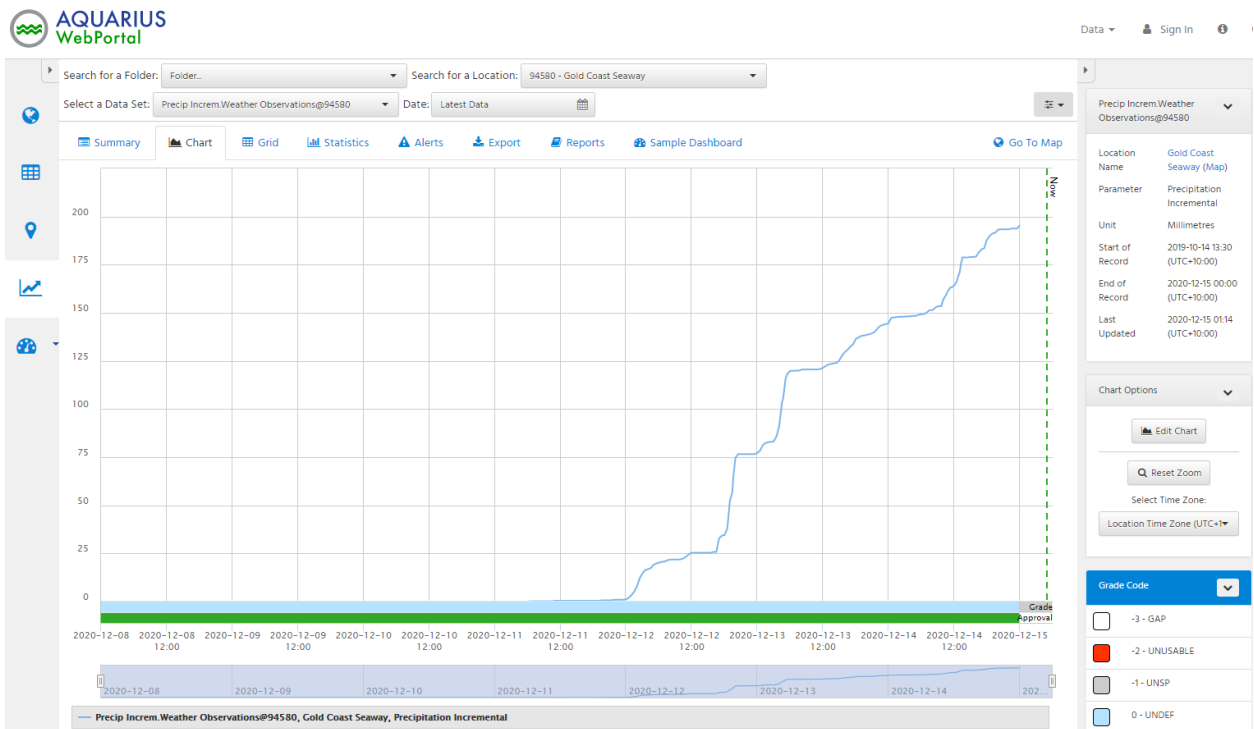
The **Data Set Overview** tab is itself broken up into a number of tabs:

- The **Summary** tab displays standard information about the data set (parameter, unit, etc.). The summary can also display additional details specific to the data set (if they exist). For example, flooding levels, operational bands, reservoir spill levels, and so on.




Location Identifier	94580
Location Name	Gold Coast Seaway
Parameter	Precipitation Incremental
Unit	Millimetres
Start of Record	2019-10-14 13:30 (UTC+10:00)
End of Record	2020-12-15 00:00 (UTC+10:00)
Last Updated	2020-12-15 01:14 (UTC+10:00)
Description	
Comments	
Active	✓


- The **Chart** tab creates a simple chart that shows the data over the last 24 hours.




The charts are fully interactive allowing for zooming and panning by clicking and dragging the mouse. There are chart display options in the bottom left-side corner. You can export charts images through the **Export** menu. To change the displayed period, click **Date**, then **Interval Latest**. You can select one of the pre-set values of **Daily**, **Monthly**, or **Yearly** from the drop-down list. Alternatively you can select **Custom** to set a custom date range.

tions@94580 Date: Latest Data 

[Statistics](#) Date: 2020-12-15 - 2020-12-16 [Sample Dashboard](#)

Interval: Custom 

2020-12-15 - 2020-12-16 

December 2020							January 2021						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
29	30	1	2	3	4	5	27	28	29	30	31	1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31	1	2	24	25	26	27	28	29	30
3	4	5	6	7	8	9	31	1	2	3	4	5	6

2020-12-15 - 2020-12-16

- The **Grid** tab displays the same data as the chart in a grid or interactive table. This allows for sorting, filtering and exporting of data.

Search for a Folder: Folder... Search for a Location: 94590 - Gold Coast Seaway

Select a Data Set: Precip Increm Weather Observations@94590 Date: Latest Data

Summary Chart Grid **Statistics** Alerts Export Reports Sample Dashboard Go To Map

Timestamp	Precipitation Increments	Grade Code	Approval Level	Interpolation Type
2020-12-13 12:30:00	1	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 13:00:00	0.8	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 13:30:00	0.2	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 14:00:00	0.4	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 14:30:00	0.2	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 14:31:00	0	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 15:00:00	1.4	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 15:30:00	2.4	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 15:31:00	0	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 16:00:00	1.8	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 16:30:00	1.2	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 17:00:00	1.6	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 17:30:00	1.2	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 18:00:00	2.8	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 18:30:00	0.8	0 - UNDEF	1200 - Approved	5 - Preceding Totals
2020-12-13 19:00:00	0.8	0 - UNDEF	1200 - Approved	5 - Preceding Totals

Grid Options

Select Time Zone: Location Time Zone (UTC+10)

Grade Code

- 3 - GAP
- 2 - UNUSABLE
- 1 - UNSP

- The **Statistics** tab displays any statistics that WebPortal calculates against the data set. You must pre-define statistics for each interval in order to display them here. Statistics are not available for custom date ranges.

Search for a Folder: Folder... Search for a Location: 94590 - Gold Coast Seaway

Select a Data Set: Precip Increm Weather Observations@94590 Date: Latest Data

Summary Chart Grid **Statistics** Alerts Export Reports Sample Dashboard Go To Map

Statistic	Timestamp	Event Timestamp	Value	Grade Code	Interpolation Type
Nearest 1 hr ARI	2020-12-14 21:30:00		0	0 - UNDEF	2 - Preceding Avg.
Nearest 1 hr burst	2020-12-15 00:00:00	2020-12-14 12:30:00	12.4	0 - UNDEF	3 - Preceding Max.
Nearest 6 hr ARI	2020-12-14 21:30:00		0	0 - UNDEF	2 - Preceding Avg.
Nearest 6 hr burst	2020-12-15 00:00:00	2020-12-14 07:30:00	27.4	0 - UNDEF	3 - Preceding Max.
Last 1 hr	2020-12-15 00:00:00	2020-12-14 23:00:00	1.8	0 - UNDEF	5 - Preceding Totals
Last 12 hr	2020-12-15 00:00:00	2020-12-14 12:00:00	31.4	0 - UNDEF	5 - Preceding Totals
Last 24 hr	2020-12-15 00:00:00	2020-12-14 00:00:00	50.6	0 - UNDEF	5 - Preceding Totals
Last 24 Hr	2020-12-15 00:00:00	2020-12-14 00:00:00	51	0 - UNDEF	5 - Preceding Totals
Last 6 hr	2020-12-15 00:00:00	2020-12-14 18:00:00	7.6	0 - UNDEF	5 - Preceding Totals

Grid Options

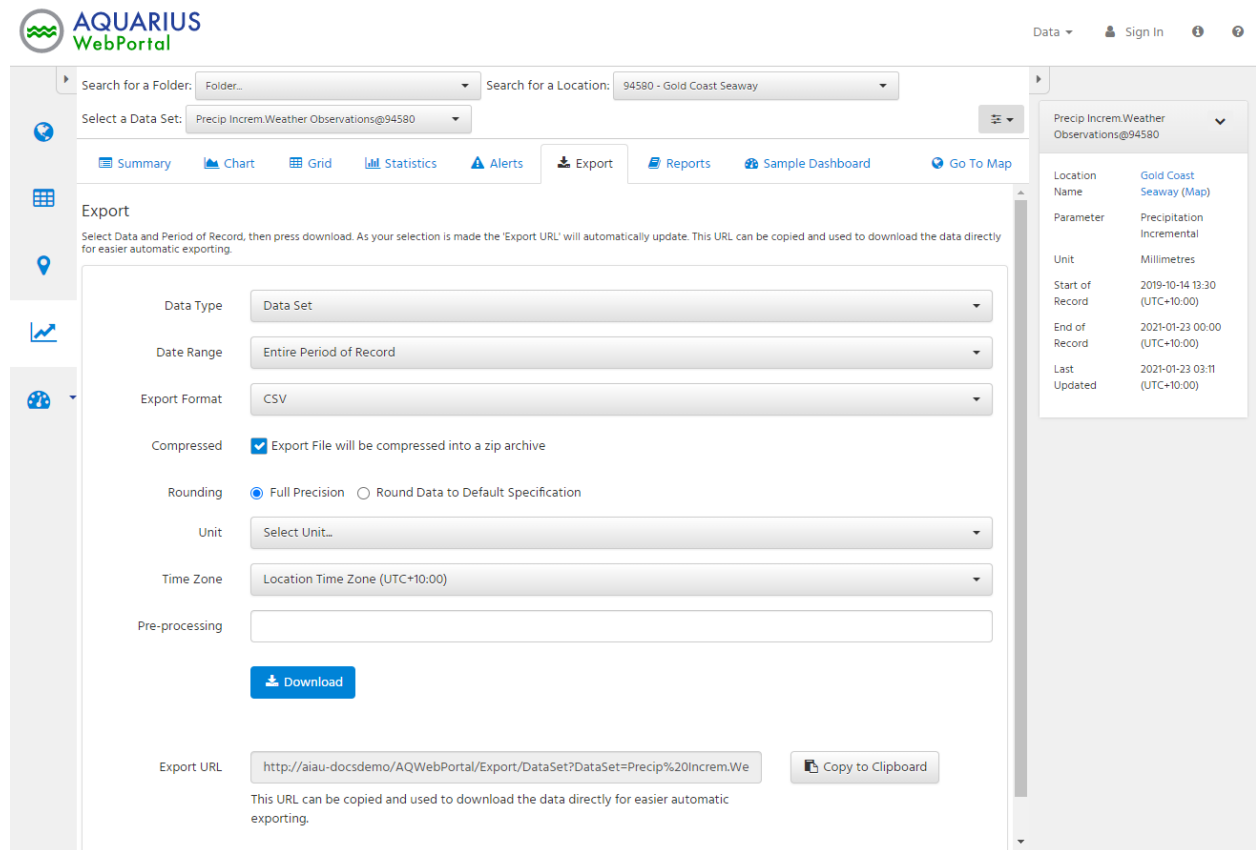
Select Time Zone: Location Time Zone (UTC+10)

Grade Code

- 3 - GAP
- 2 - UNUSABLE
- 1 - UNSP

- The **Alerts** tab contains a grid that displays notifications that WebPortal sends out. WebPortal sends these notification messages as emails and text-messages (SMS) to people in distribution groups.
- The **Export** tab displays the export screen for the data set, letting you define the parameters of a data export. For example, you can define the date range, export format, units, and other details. For more

information, see "Data Mode > Export" on page 46.

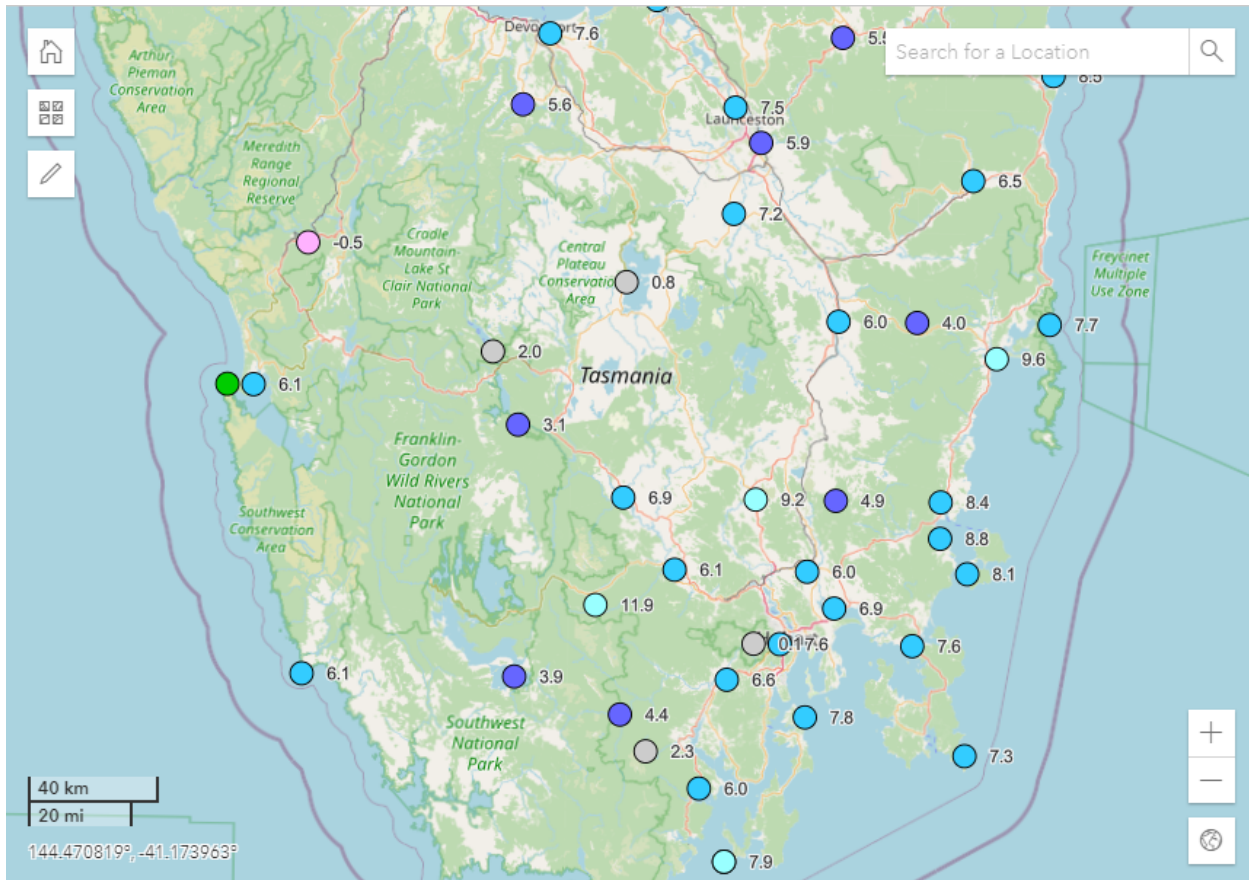


The screenshot shows the AQUARIUS WebPortal interface. At the top, there's a search bar for folders and locations. Below that, a data set is selected. The main area is the 'Export' tab, which includes options for Data Type, Date Range, Export Format, Compressed, Rounding, Unit, Time Zone, and Pre-processing. A 'Download' button is present. At the bottom, an 'Export URL' is displayed with a 'Copy to Clipboard' button.

- The **Reports** tab displays text-based reports called Information Requests, which WebPortal can display on-screen or send via email or text-message (SMS). It also displays published reports, usually in PDF format.
- You can also use **Dashboard** tabs to configure WebPortal. These can provide additional ways of displaying the Time-Series data including in gauges, charts combining data from multiple time-series, or live webcam views of the location.

2.2 View Data in Maps

By default, WebPortal shows a selection of data the portal makes available to all users. Exactly what this data is depends on how the portal administrator has set the defaults, or on what data you were viewing on your last visit. Once you are in the portal you can customize the data to display what is relevant to you.

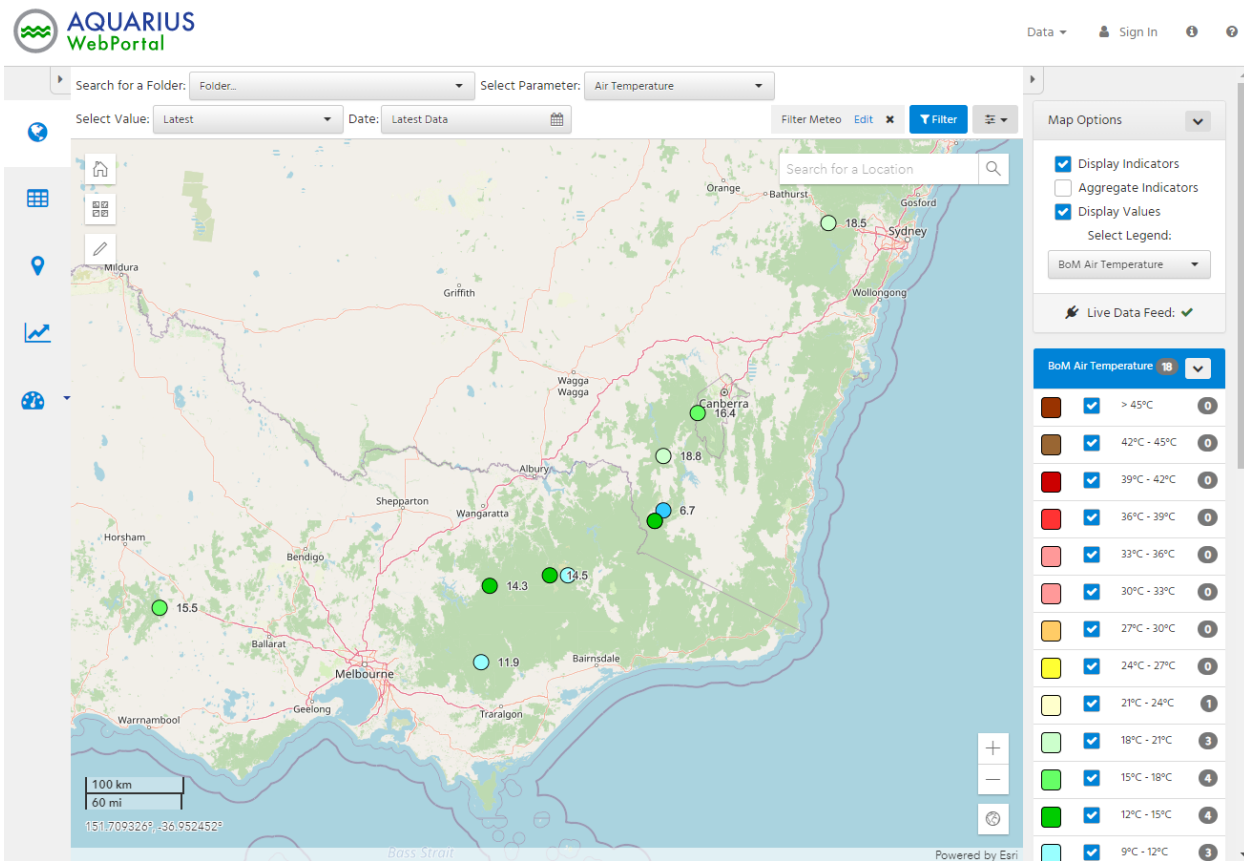


2.2.1 Filtering

To filter for meteorological stations above 1000m, for example, you can use the following steps. You may have to adjust the items selected to match the data available on your portal.

1. Click **Filter**.
2. Click **New Filter**.
3. In the **Name** field, type a name for the filter.
4. Click **Location Attribute**.
5. Click **Type**.
6. Click **Location whose Type**; then select **Meteorological station** from the drop-down list.
7. Click **Add Filter** to return to the **Location Attributes** screen.

8. Click **Elevation**.
9. Click **Is greater than**, then select **Is greater than or equal to** from the drop-down list.
10. In the field below, type **1000**. You do not need to enter units, the field uses whatever units WebPortal defaults to, meters in this case.
11. Click **Filter**. The map information changes to show only meteorological stations with elevations of 1000m or above.



The screenshot shows the AQUARIUS WebPortal interface. At the top left is the logo and 'WebPortal' text. Below it are search and filter controls. The main area is a map of Australia with several meteorological stations marked with colored circles and numerical values (e.g., 15.5, 14.3, 11.9, 13.5, 18.8, 6.7, 18.5, 18.4). A legend on the right side of the map shows a list of temperature ranges with corresponding color swatches and counts. The legend is titled 'BoM Air Temperature' and includes a 'Live Data Feed' checkbox which is checked. The map includes a scale bar (100 km / 60 mi) and coordinates (151.709326°, -36.952452°). The text 'Powered by Esri' is visible at the bottom right of the map area.

Note that if these stations are in the same specific region, the map re-centers and zooms to highlight this area. Observe the filter name you entered displays next to the **Filter** control, and you can edit it if you want to further adjust the parameters.

If you do this without logging in, only you can see these filters, and they expire when you leave the portal. If you log in, you can save these filters for your own use later, but other users still cannot see them. The portal administrator can create filters and make them available to other users.

2.2.2 Applying Legends

Legends help visualize the information available on the portal by applying different colors, markers, or additional visual elements to the map. The displayed legend links to your selected value. If you click **Select Legend**, WebPortal displays a list of available and relevant legends. Continuing with our previous example of meteorological stations based on elevation, you can select a legend that assigns different colors to different elevation ranges, giving you a better idea of just how high the stations are. The legends available and the parameters they use depends on the data available and how the administrator has configured the portal. They can be based on either location attributes or data set properties.

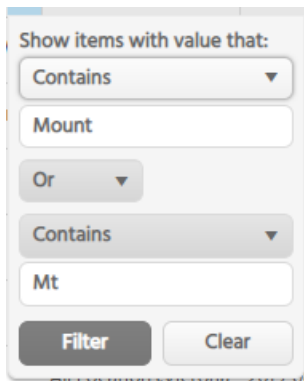
HINT To learn more about using and filtering maps, see "Data Mode > Map" on page 13.

2.3 List View

The List page provides a grid-based view of the data currently on the map. You can also apply filters you developed for the map to this view. A filter based on a specific geographical location or area may not be readily apparent from this view, but WebPortal only displays locations within the specified area on the grid.

2.3.1 Filtering Grids

You can also apply filters based on the columns of the grid itself. Each column header has a filter (▼) icon you can click to activate the filter options (shown below).



Continuing with our example of meteorological stations over 1000 m, we now want to narrow our search to any stations associated with mountains.

1. Click the filter (▼) icon for the **Location** column.
2. Filter the locations for any that contain the word Mount, or the abbreviation Mt.
3. Click **Filter**. The list of stations further reduce to show only the ones with Mount or Mt in their location names.

You can also sort the information alphabetically by column by clicking the column heading you want to use.

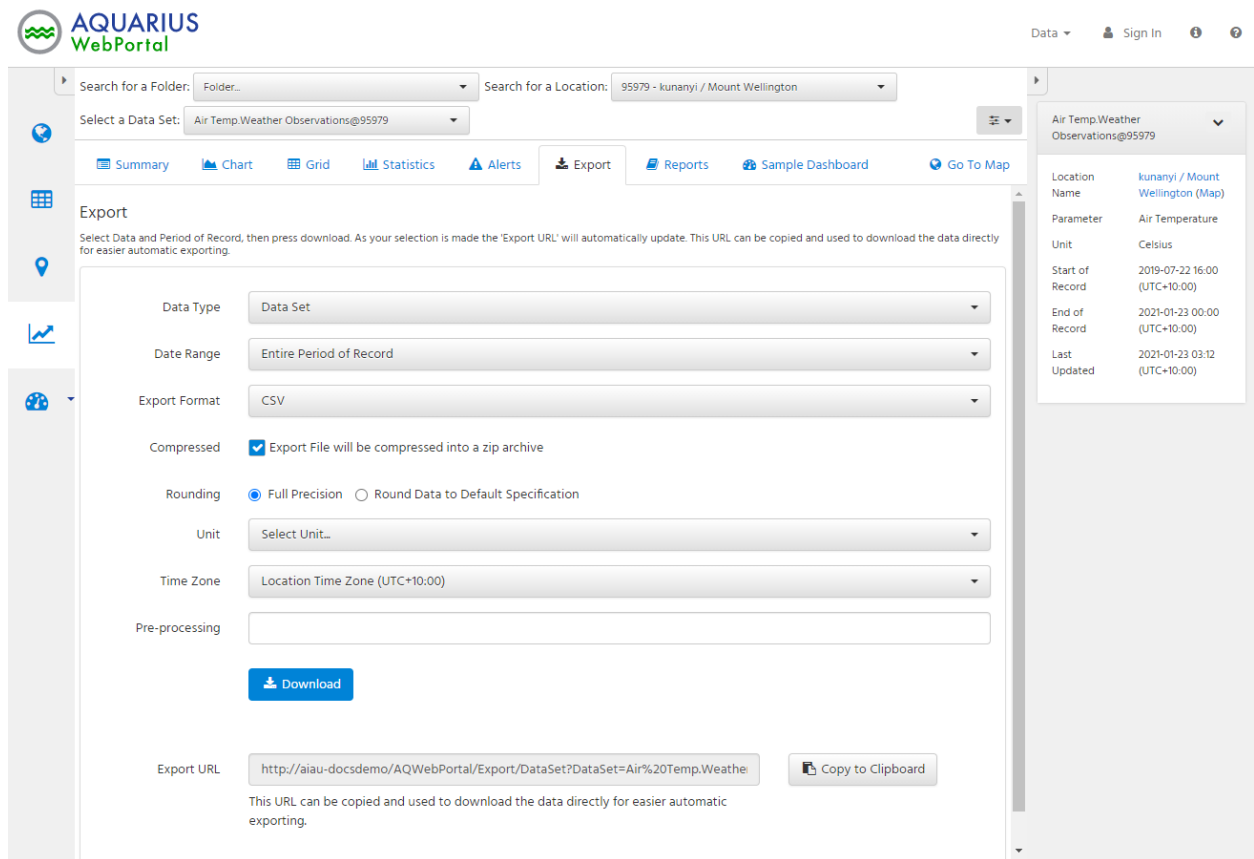
HINT To learn more about using Lists, see "Data Mode > List" on page 23.

2.4 Export your Data

Once you filter to select only the data sets you are interested in, you may want to export this data from the portal to your own system for further use. The ability to do this depends on the rights the portal administrator grants you, so it may not be available to you in some cases.

Data mode's **Export** page contains configuration options that you can use to bulk export your data sets. You can export multiple data sets for multiple parameters from multiple locations – all to a single, time-aligned file. Alternatively, you can export data sets to separate files for each data set, depending on your preferences for a given export event.

1. From the list from the previous example, click **Go To** for one of the data sets, then select **Exports** from the drop-down list. The **Export** page for the relevant data set displays.



The screenshot shows the 'Export' page in the AQUARIUS WebPortal. The page title is 'Export' and it includes a sub-header: 'Select Data and Period of Record, then press download. As your selection is made the 'Export URL' will automatically update. This URL can be copied and used to download the data directly for easier automatic exporting.'

Configuration options include:

- Data Type: Data Set
- Date Range: Entire Period of Record
- Export Format: CSV
- Compressed: Export File will be compressed into a zip archive
- Rounding: Full Precision Round Data to Default Specification
- Unit: Select Unit...
- Time Zone: Location Time Zone (UTC+10:00)
- Pre-processing: (empty text box)

A 'Download' button is visible. Below the configuration, the 'Export URL' is displayed as: `http://aiiau-docsdemo/AQWebPortal/Export/DataSet?DataSet=Air%20Temp.Weathe`. A 'Copy to Clipboard' button is next to the URL. A note below the URL states: 'This URL can be copied and used to download the data directly for easier automatic exporting.'

On the right side, a dropdown menu is open for 'Air Temp.Weather Observations@95979', showing details:


Location Name	kunanyi / Mount Wellington (Map)
Parameter	Air Temperature
Unit	Celsius
Start of Record	2019-07-22 16:00 (UTC+10:00)
End of Record	2021-01-23 00:00 (UTC+10:00)
Last Updated	2021-01-23 03:12 (UTC+10:00)

2. Click **Date Range**, then select Last 7 Days from the drop-down list.

3. Click **Export Format**. Note that in addition to the default CSV format, you can also export to Excel or JSON formats.
4. Click **Unit**. Note that the units available are automatically determined by the type of data you are exporting and use the same default as the portal.
5. Click **Download** to download the data set to your local machine.

You can export multiple data sets at once using the **Bulk Export** feature. By default this feature has a limit of 20 data sets to avoid overwhelming system resources. Check with your system administrator to see where they have set this limit. Also you can use a URL to download the data sets in conjunction with the WebPortal API.

If you logged in and are frequently exporting the same data, you can configure and save an Export Template, to make future exports quicker and more efficient.

 **HINT** To learn more about exporting data, see "Data Mode > Export" on page 46 and "Account Mode > Account Export Templates" on page 63.

3 Data Mode

Data mode is the functional area in which you perform the majority of day-to-day tasks.

- [Map](#)
- [List](#)
- [Folder](#)
- [Location](#)
- [Data Set](#)
- [Chart](#)
- [Export](#)
- [Alerts](#)
- [Reports](#)
- [Dashboards](#)

i **NOTE** Depending on how you configure your system, WebPortal may display a disclaimer upon launch.

i **NOTE** The pages, data, and actions available to you depend on your [User Account](#), [View Group](#), or [Admin Security Role](#)'s privileges.

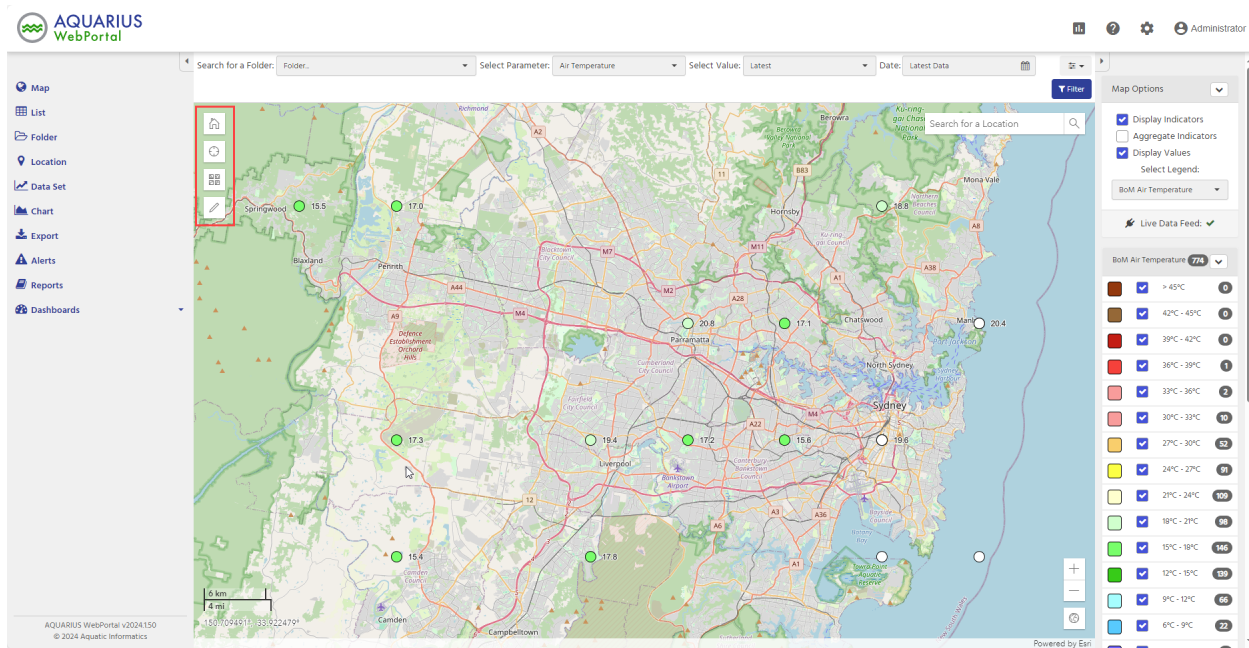
3.1 Data Mode > Map

You can use the **Map** page to monitor the latest values from data acquisition and telemetry, as well as to review historic events and forecast data. Similar to the **Lists** page, you can use the **Map** page's data selectors to specify the following:

- The folder, parameter, or value to display.
- The latest data, periodic (daily, monthly, or yearly), or seasonal (daily, monthly, or annual) data to display.

WebPortal’s map is fully interactive. You can move it in all four directions by holding down the mouse button and dragging, and you can zoom in and out by using the mouse scroll wheel. On mobile devices, you can also use touch features, such as pinch and zoom as well as panning.

3.1.1 Map Controls

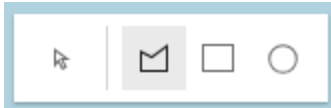


Located in the top-left corner of the map, are the following controls::

- **Home button.** Moves the map to a predefined central location.
- **Geo-Locate button.** The button shows a small blue dot on the map at the user's location. The feature is available when viewing the site over HTTPS.
- **Base Map Selector button.** Allows you to switch to a variety of underlying base map options, including Satellite Imagery and World Terrain maps.
- **Spatial Filter Controls.** The spatial filter allows you to draw a shape on the map which only shows data for the locations within that shape. When you select a spatial filter option, the mouse becomes a drawing tool. These controls are not available in 3D mode or mobile mode.

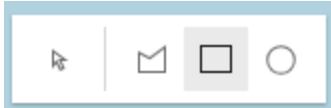
There are three drawing tools you can use to spatially filter the map. Each tool is used in a slightly different way.

- **Polygon**



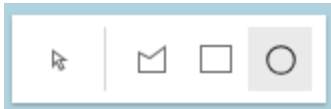
Click the map once to start drawing, continue clicking to create your shape, then double-click when the shape is complete. Alternatively, you can hold the mouse button down and drag for more precise drawing.

- **Rectangle**



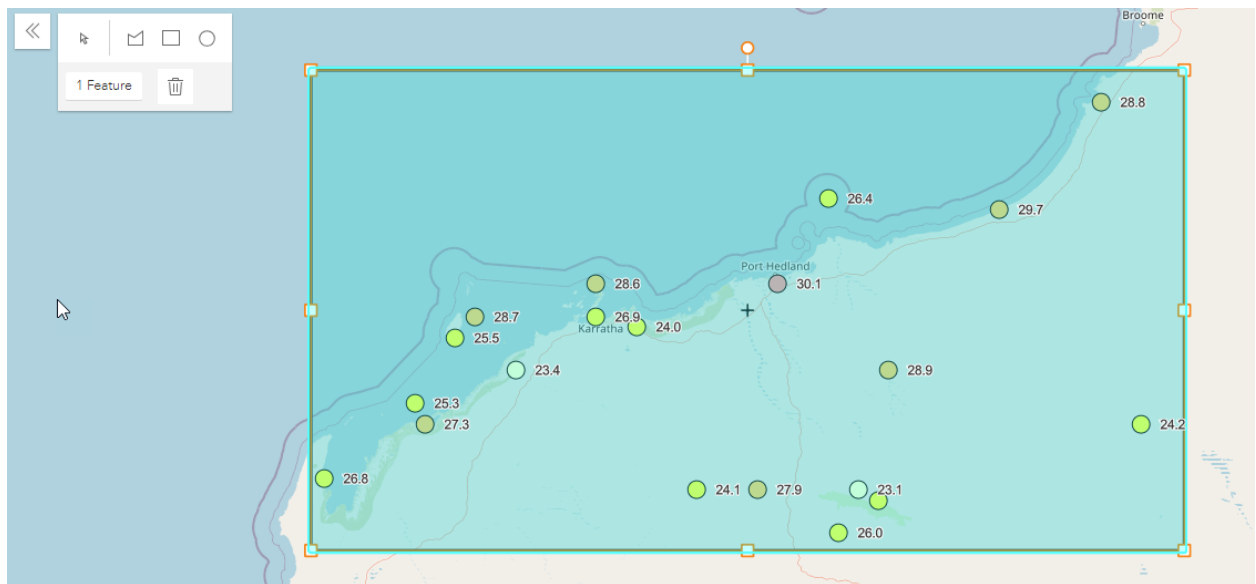
Press down and drag from the one corner to the other, letting the mouse go when finished.

- **Circle**



Press down and drag from the centre of the circle, then release the mouse when finished. The radius displays while you draw the circle.

Once you draw a shape you can click it to make edits. You can resize it using the handlebars, or rotate or move the shape by clicking and dragging it at its center point.

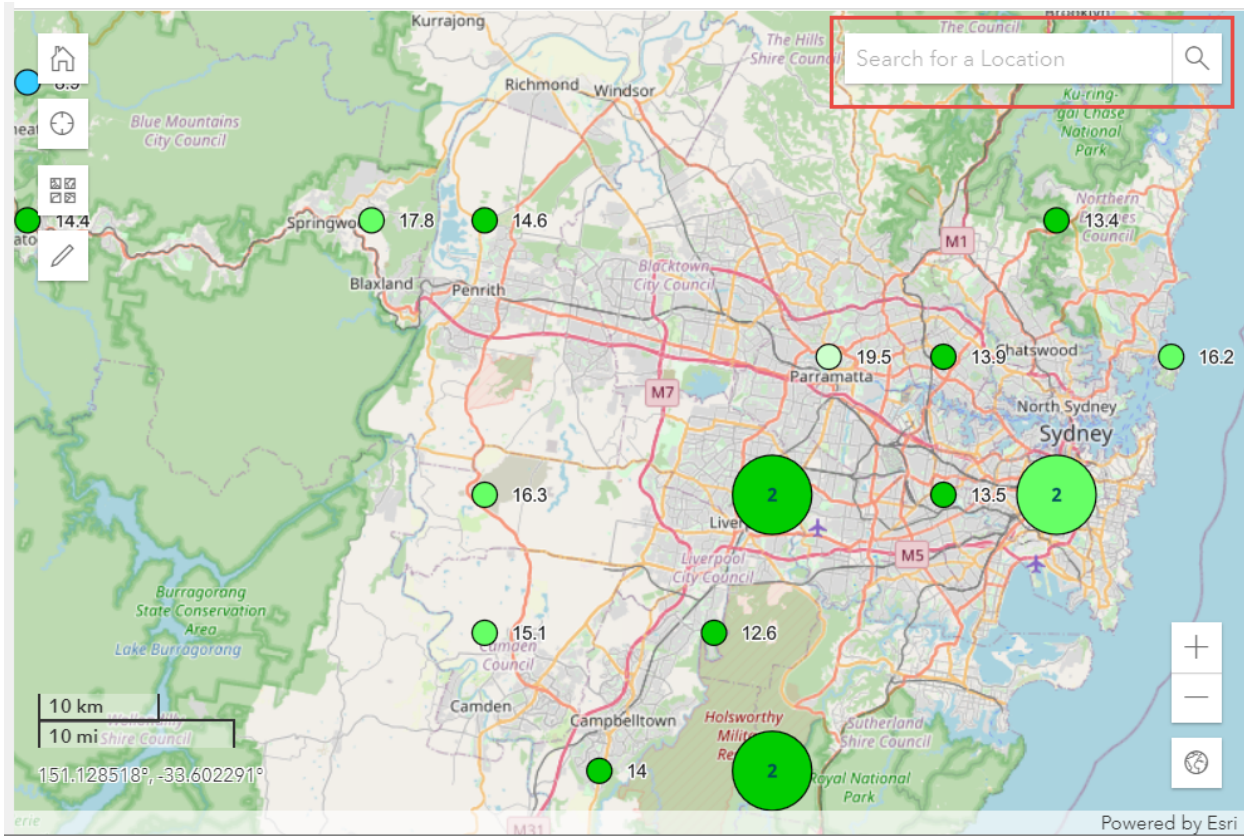


The map does not update its displayed locations until you've finished making changes to the shape and de-selected it.

In addition to resizing and reshaping, you can remove a selected shape, which also removes that shape's spatial filter.

You can only add one spatial filter to the map at a time. Drawing a new shape over a preexisting one causes the new spatial filter to replace the preexisting one.

3.1.2 Search



The Search bar is located in the upper right corner of the map on desktops, and displays as an expandable option with other Map Controls in mobile mode. This allows you to enter a text search, which runs against the locations in your WebPortal database for possible matches.

Clicking on any of the items in the drop-down list centers and zooms the map to that location, and display the Location pop-up window. If you are currently filtering for the location, WebPortal instead displays a pop-up window indicating this status.

3.1.3 Scale Bar

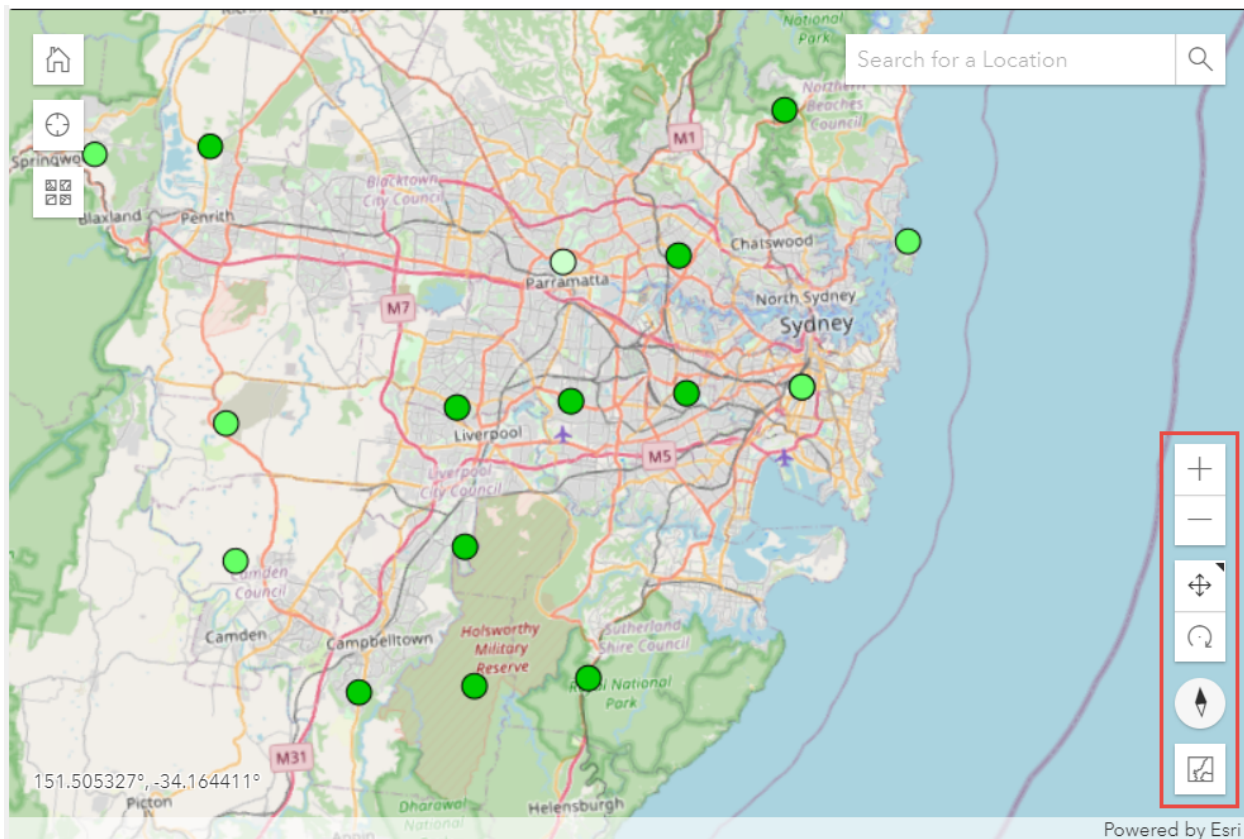
Appears in the bottom-left corner, and shows a scale in Metric and Imperial measurements. Not available in 3D mode.



3.1.4 Coordinates

Displays the geographic coordinates (latitude and longitude) for the current mouse position on the map in the bottom-left corner. Not available in mobile mode.

3.1.5 Map Scene Controls

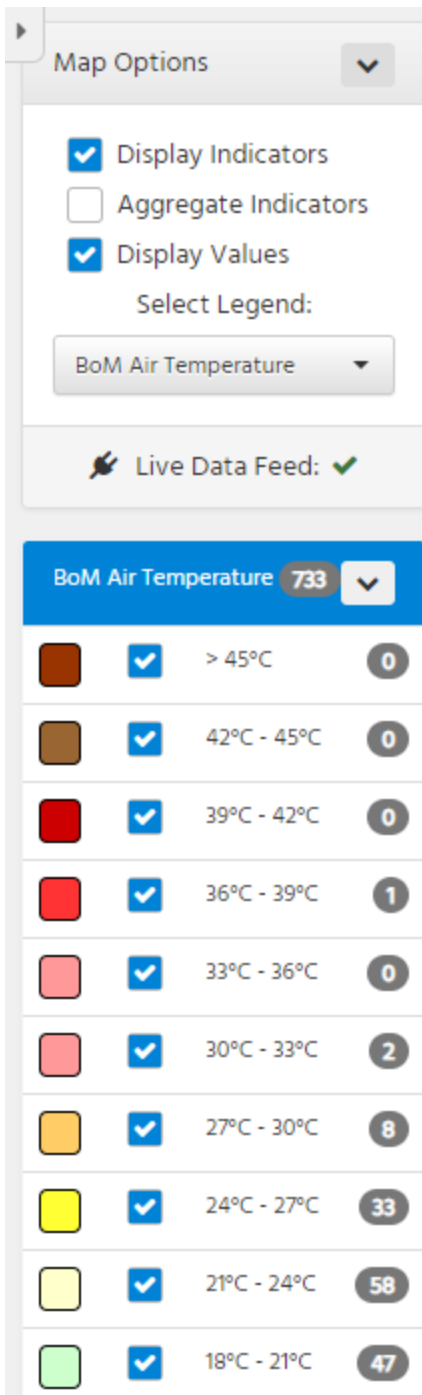


The following controls are located in the bottom-right corner of the map:

- **Zoom buttons:** Allow you to zoom in and out of the map.
- **Pan and Rotate:** Toggles the mouse between panning the map or rotating the map in 3D mode.
- **Orientation:** Only available in 3D mode. Click to reset compass orientation.
- **Scene Switcher:** Toggles between 2-dimensional and 3-dimensional views of the map. The 3-dimensional view displays heights of terrain or buildings only if data is available. Not available in mobile mode.

3.1.6 Map Options

A collapsible item in the Info panel provides options that allow you to change how the map displays data.



The screenshot shows the 'Map Options' panel with the following settings:

- Display Indicators
- Aggregate Indicators
- Display Values
- Select Legend: BoM Air Temperature
- Live Data Feed:

Below these options is a legend for 'BoM Air Temperature' with a current value of 733. The legend consists of ten rows, each with a color swatch, a checked checkbox, a temperature range, and a count in a circle:

Color	Temperature Range	Count
Dark Brown	> 45°C	0
Brown	42°C - 45°C	0
Red	39°C - 42°C	0
Red-Orange	36°C - 39°C	1
Light Red	33°C - 36°C	0
Orange	30°C - 33°C	2
Yellow-Orange	27°C - 30°C	8
Yellow	24°C - 27°C	33
Light Yellow	21°C - 24°C	58
Light Green	18°C - 21°C	47













- **Display Indicators:** Shows or hides all indicators representing a location or time-series.
- **Aggregate Indicators:** Takes overlapping indicators and aggregates them to a single point. When you zoom in on the map, individual indicators display when they no longer overlap. The aggregated indicators display as large circles, with a number showing how many indicators the circle contains. The color of the marker represents the most common legend color of the aggregated locations. Not available in 3D mode, or when you select **Show Values In Indicators**.
- **Display Values:** Shows or hides numbers that display beside indicators.
- **Show Values In Indicators:** Makes the larger indicators display values inside the markers instead of to the right. Enabling this option disables the **Aggregate Indicators** option, as there is no way differentiate between an aggregated indicator and a normal value indicator in this situation.
- **Legend Selector:** Changes which legend the map uses to classify data.
- **Live Data Feed:** Indicates whether the map is receiving a live feed of data. When the map displays **Latest Statistics**, the indicators auto-refresh when you update the data.

3.1.7 Legend

A collapsible item in the Info panel shows the legend that classifies the data the map currently displays.

BoM Air Temperature

BoM Air Temperature 709

	<input checked="" type="checkbox"/>	> 45°C	0
	<input checked="" type="checkbox"/>	42°C - 45°C	1
	<input checked="" type="checkbox"/>	39°C - 42°C	1
	<input checked="" type="checkbox"/>	36°C - 39°C	7
	<input checked="" type="checkbox"/>	33°C - 36°C	29
	<input checked="" type="checkbox"/>	30°C - 33°C	53
	<input checked="" type="checkbox"/>	27°C - 30°C	117
	<input checked="" type="checkbox"/>	24°C - 27°C	168
	<input checked="" type="checkbox"/>	21°C - 24°C	165
	<input checked="" type="checkbox"/>	18°C - 21°C	76
	<input checked="" type="checkbox"/>	15°C - 18°C	54
	<input checked="" type="checkbox"/>	12°C - 15°C	18

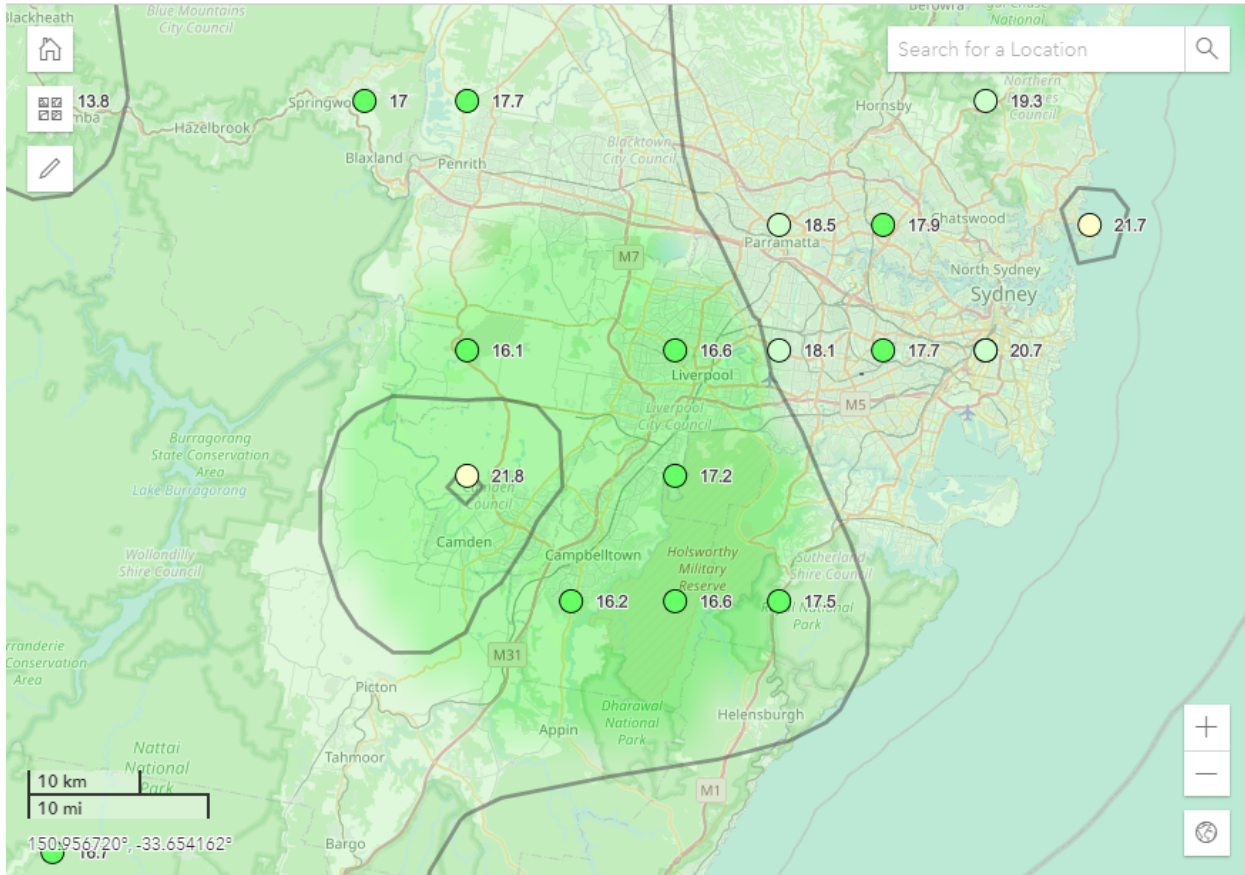
- **Legend Band Toggles.** Show or hide any indicator that band classifies.
- **Counter.** Displays total number of data sets for the legend; number auto-adjusts according to the map options you select.

3.1.8 Data Set Reference

A collapsible item in the **Info** panel shows a list of data set references which you can overlay onto the map as new indicator layers. When the map displays data set references, each has a pop-up window containing a statistic summary for the related data set.

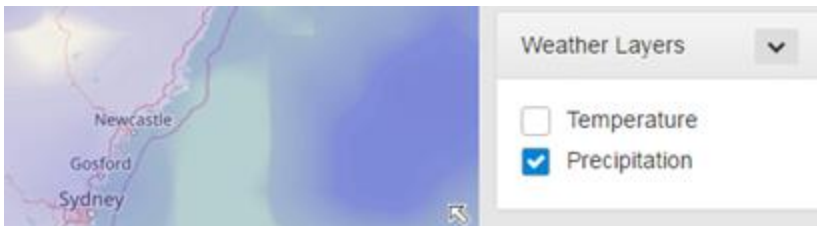
3.1.9 Heat Maps and Isolines

A collapsible item in the **Info** panel shows a list of heat maps and isolines that you can overlay onto the map. You can apply each layer independently of the other. Selecting the switch option changes the parameter and statistic to reflect statistic values used to generate the selected heat map and isolines.



3.1.10 Layers Selector

A collapsible item in the Info panel that allows you to add layers (overlays) on the map (as shown below).



3.1.11 Indicators

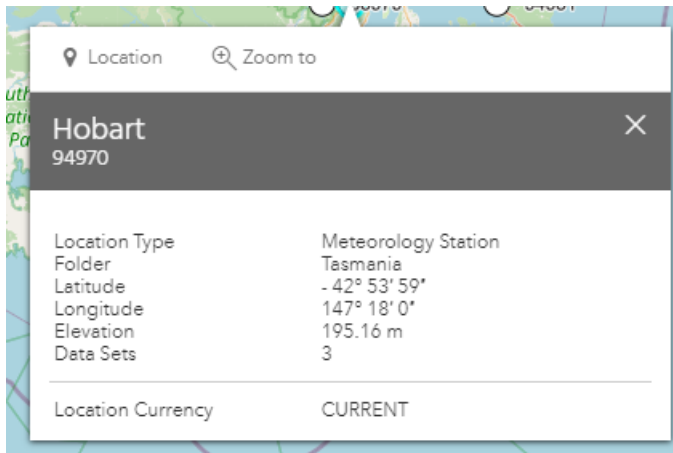
- These symbols identify your locations and data sets.
- When you select a statistic, the indicator usually includes a number.
- When you select a legend, the map evaluates and colors indicators according to the legend.

3.1.12 Pop-up Windows

Clicking on an indicator displays contextual information.

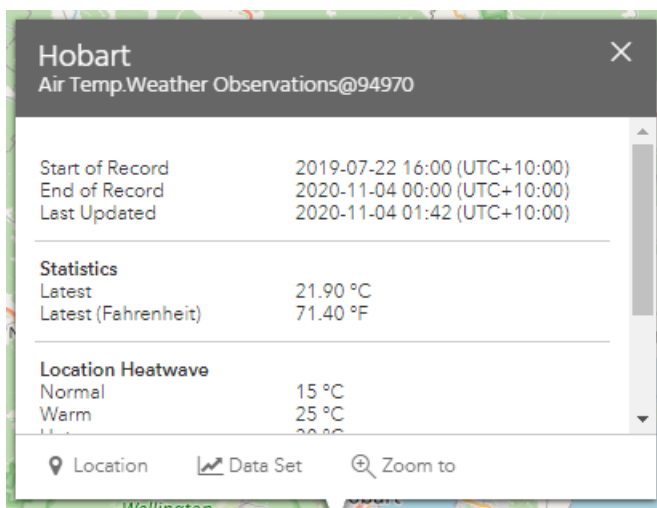
There are three different types of pop-up windows that can display depending on the type of data you are viewing.

Location Pop-up Windows



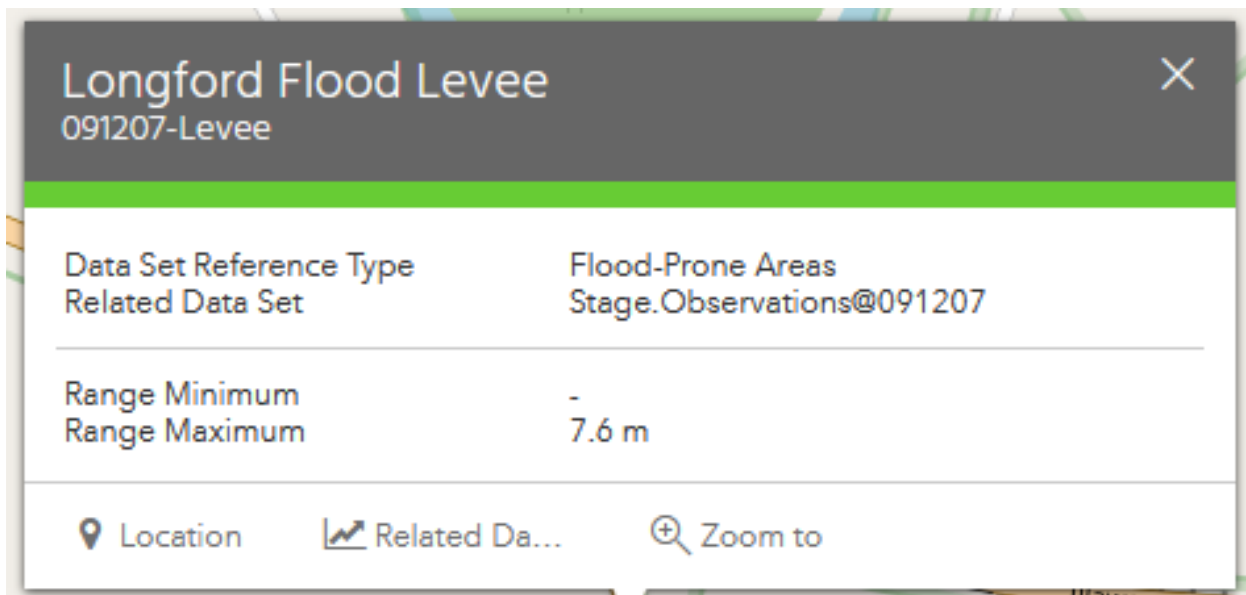
- Displays when you have not selected a parameter, so the map is in location-centric mode.
- Displays the **Location Identifier, Name, Type, Folder, Coordinates, Elevation** and number of **Data Sets**.
- Displays a link to the **Location** page.

Data Set Pop-up Windows



- Displays when you select a parameter, so the map is in Data Set-centric mode.
- Displays the **Data Set Identifier** and **Location Name**.
- Displays the **Status** when displayed value has a legend.
- Displays timestamps for **Start of Record**, **End of Record**, and **Last Updated**.
- Depending on configured data, displays **Statistic**, **Parameter Range**, and **State** values.
- Displays links to the **Location** and **Data Set** pages.

Data Set Reference Pop-up Windows



- Displays when you add data set references to the map, these are a separate type of map indicator.
- Displays the **Location Identifier** and **Name**.
- Displays the **Status**.
- Displays the **Type** and **Related Data Set**.
- Displays the **Range Minimum** and **Range Maximum** values.
- Displays a link to the **Location** and **Related Data Set** pages.

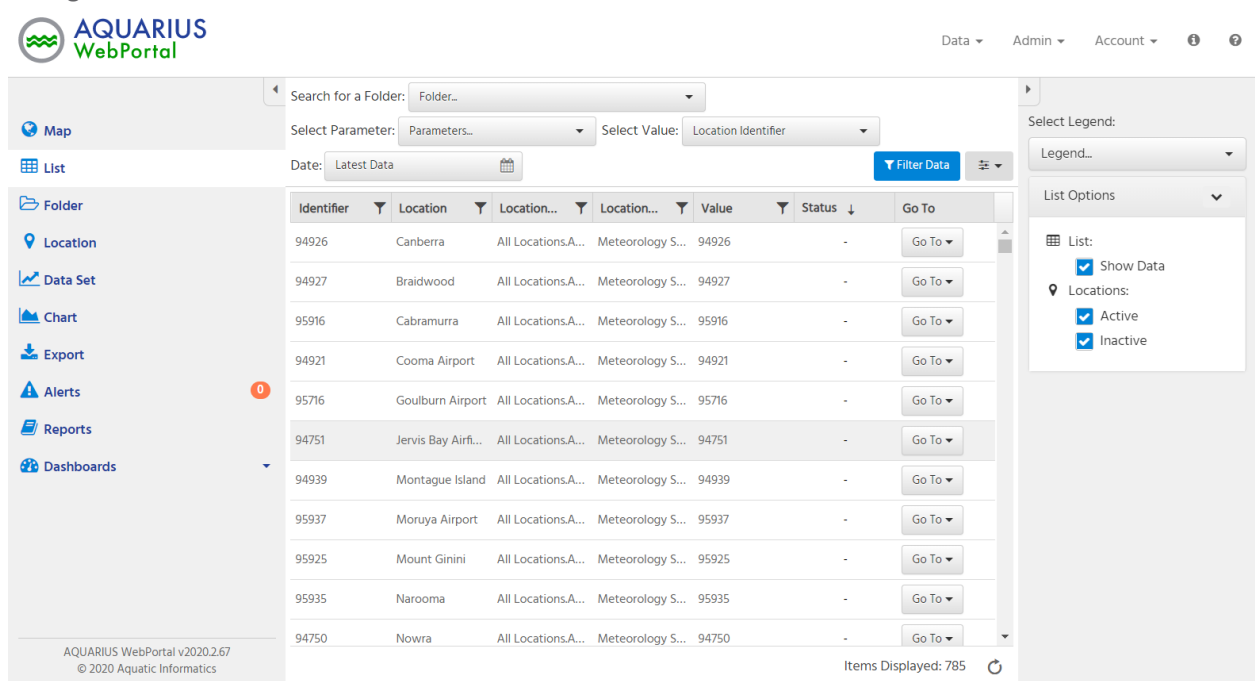
3.2 Data Mode > List

The **List** page provides a grid-based view of the data the map currently displays. As with the **Map** page, you can use the **List** page’s data filters to specify:

- The folder, parameter, or value to display.
- The latest data, or daily, monthly, or yearly data to display.
- The location or data set properties with which you want to associate the data.

The columns the grid displays depend on whether the grid is location or data set centric:

- If you do not select a parameter, the grid is location-centric and displays the following columns: **Identifier**, **Location**, **Location Folder**, **Location Type**, **Value**, **Status**, and **Go To**. Optionally, **State** displays if you have configured a location state.

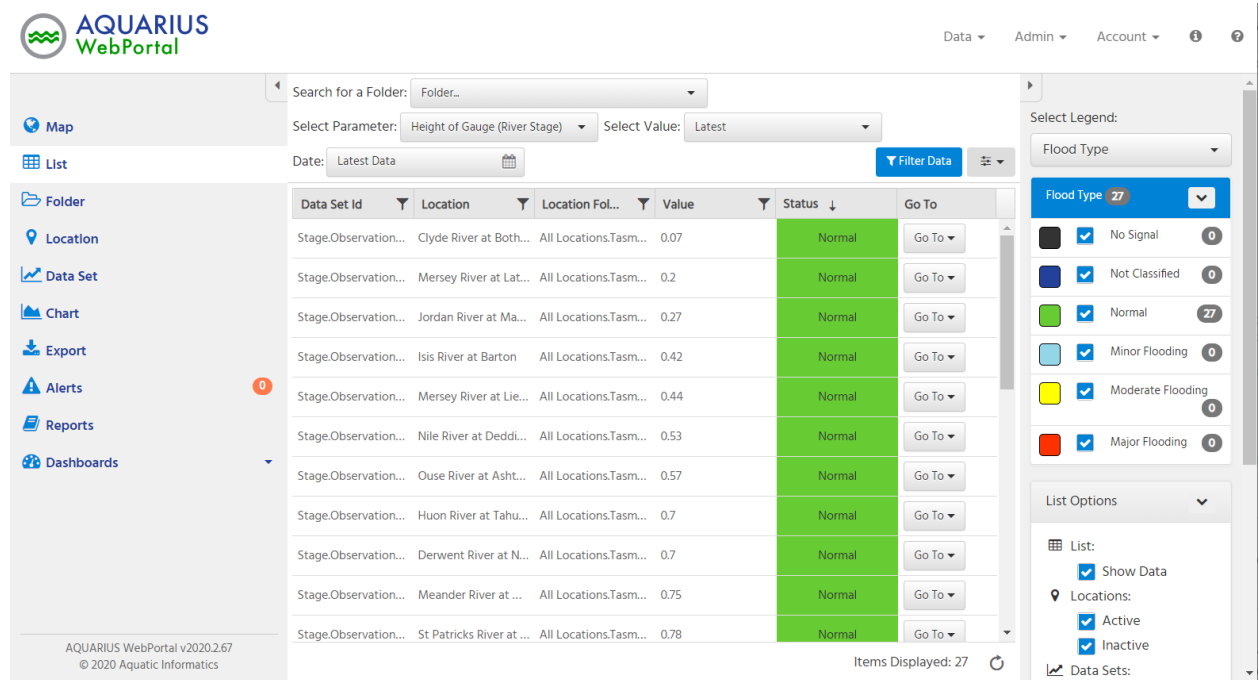


The screenshot shows the AQUARIUS WebPortal interface. At the top left is the logo and 'AQUARIUS WebPortal'. On the right, there are navigation links for 'Data', 'Admin', and 'Account'. Below the logo is a navigation sidebar with options: Map, List (selected), Folder, Location, Data Set, Chart, Export, Alerts, Reports, and Dashboards. The main area contains a search and filter section with 'Search for a Folder: Folder...', 'Select Parameter: Parameters...', 'Select Value: Location Identifier', and 'Date: Latest Data'. A 'Filter Data' button is present. Below this is a table with the following columns: Identifier, Location, Location..., Location..., Value, Status, and Go To. The table contains 10 rows of data. On the right side, there is a 'Select Legend:' panel with 'Legend...' and 'List Options' sections. The 'List Options' section has checkboxes for 'Show Data', 'Active', and 'Inactive', all of which are checked. At the bottom right, it says 'Items Displayed: 785'.

Identifier	Location	Location...	Location...	Value	Status	Go To
94926	Canberra	All Locations.A...	Meteorology S...	94926	-	Go To
94927	Braidwood	All Locations.A...	Meteorology S...	94927	-	Go To
95916	Cabramurra	All Locations.A...	Meteorology S...	95916	-	Go To
94921	Cooma Airport	All Locations.A...	Meteorology S...	94921	-	Go To
95716	Goulburn Airport	All Locations.A...	Meteorology S...	95716	-	Go To
94751	Jervis Bay Airfi...	All Locations.A...	Meteorology S...	94751	-	Go To
94939	Montague Island	All Locations.A...	Meteorology S...	94939	-	Go To
95937	Moruya Airport	All Locations.A...	Meteorology S...	95937	-	Go To
95925	Mount Ginini	All Locations.A...	Meteorology S...	95925	-	Go To
95935	Narooma	All Locations.A...	Meteorology S...	95935	-	Go To
94750	Nowra	All Locations.A...	Meteorology S...	94750	-	Go To

- If you have selected parameters, the grid is data set-centric and displays the following columns: **Data Set Id**, **Location**, **Location Folder**, **Start of Record**, **End of Record**, **Value**, **Status**, **Go To**. Optionally, **State** displays if

you have configured a data set state.



Data Set Id	Location	Location Fol...	Value	Status	Go To
Stage.Observation...	Clyde River at Both...	All Locations.Tasm...	0.07	Normal	Go To
Stage.Observation...	Mersey River at Lat...	All Locations.Tasm...	0.2	Normal	Go To
Stage.Observation...	Jordan River at Ma...	All Locations.Tasm...	0.27	Normal	Go To
Stage.Observation...	Isis River at Barton	All Locations.Tasm...	0.42	Normal	Go To
Stage.Observation...	Mersey River at Lie...	All Locations.Tasm...	0.44	Normal	Go To
Stage.Observation...	Nile River at Deddi...	All Locations.Tasm...	0.53	Normal	Go To
Stage.Observation...	Ouse River at Asht...	All Locations.Tasm...	0.57	Normal	Go To
Stage.Observation...	Huon River at Tahu...	All Locations.Tasm...	0.7	Normal	Go To
Stage.Observation...	Derwent River at N...	All Locations.Tasm...	0.7	Normal	Go To
Stage.Observation...	Meander River at ...	All Locations.Tasm...	0.75	Normal	Go To
Stage.Observation...	St Patricks River at ...	All Locations.Tasm...	0.78	Normal	Go To

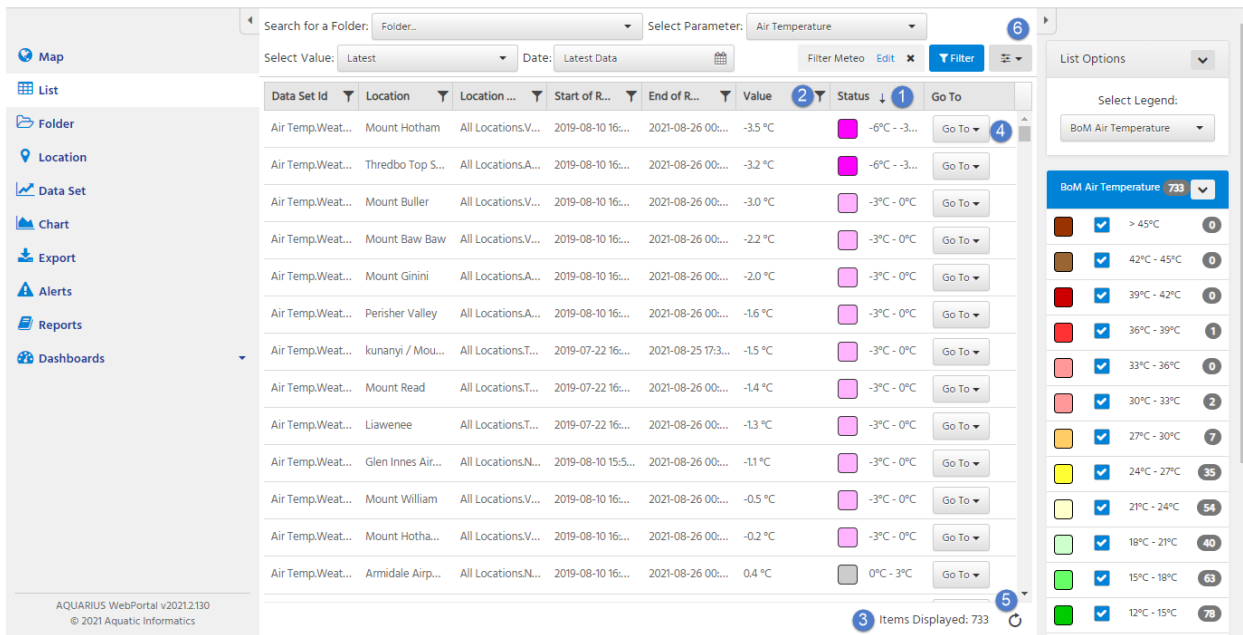
3.2.1 Grid Pages: Available Actions

Data mode's **List** page displays data in an interactive grid.

When viewing a grid, you can act on individual grid items using the **Row Actions** buttons on the right-side of the grid.

You can also act on the entire contents of the grid using the grid's headers, as well as the **Page Actions** menu.

The image and list below highlight some of the functionality available when viewing a WebPortal grid.



Data Set Id	Location	Location...	Start of R...	End of R...	Value	Status	Go To
Air Temp.Weat...	Mount Hotham	All Locations.V...	2019-08-10 16:...	2021-08-26 00:...	-3.5 °C	-6°C - -3...	Go To
Air Temp.Weat...	Thredbo Top S...	All Locations.A...	2019-08-10 16:...	2021-08-26 00:...	-3.2 °C	-6°C - -3...	Go To
Air Temp.Weat...	Mount Buller	All Locations.V...	2019-08-10 16:...	2021-08-26 00:...	-3.0 °C	-3°C - 0°C	Go To
Air Temp.Weat...	Mount Baw Baw	All Locations.V...	2019-08-10 16:...	2021-08-26 00:...	-2.2 °C	-3°C - 0°C	Go To
Air Temp.Weat...	Mount Ginini	All Locations.A...	2019-08-10 16:...	2021-08-26 00:...	-2.0 °C	-3°C - 0°C	Go To
Air Temp.Weat...	Perisher Valley	All Locations.A...	2019-08-10 16:...	2021-08-26 00:...	-1.6 °C	-3°C - 0°C	Go To
Air Temp.Weat...	kunanyi / Mou...	All Locations.T...	2019-07-22 16:...	2021-08-25 17:3...	-1.5 °C	-3°C - 0°C	Go To
Air Temp.Weat...	Mount Read	All Locations.T...	2019-07-22 16:...	2021-08-26 00:...	-1.4 °C	-3°C - 0°C	Go To
Air Temp.Weat...	Liawenee	All Locations.T...	2019-07-22 16:...	2021-08-26 00:...	-1.3 °C	-3°C - 0°C	Go To
Air Temp.Weat...	Glen Innes Air...	All Locations.N...	2019-08-10 15:5...	2021-08-26 00:...	-1.1 °C	-3°C - 0°C	Go To
Air Temp.Weat...	Mount William	All Locations.V...	2019-08-10 16:...	2021-08-26 00:...	-0.5 °C	-3°C - 0°C	Go To
Air Temp.Weat...	Mount Hotha...	All Locations.V...	2019-08-10 16:...	2021-08-26 00:...	-0.2 °C	-3°C - 0°C	Go To
Air Temp.Weat...	Armidale Airp...	All Locations.N...	2019-08-10 16:...	2021-08-26 00:...	0.4 °C	0°C - 3°C	Go To

- **1. Sort.** To sort the grid by a particular column, click its header. Clicking the header toggles the sort order between ascending, descending, and not sorted – indicated respectively by an upward arrow, a downward arrow, or no arrow next to the column’s name.
- **2. Filter.** To filter the grid’s contents by a particular column, click the filter icon on the right side of the column header, complete the fields in the dialog displayed, then click the **Filter** button in the dialog. If a column has an active filter, WebPortal highlights its filter icon.
- **3. Item Count.** The total number of items in a grid at any given time always display at the bottom of the grid.
- **4. Go To column.** This column provides navigation options to switch directly to other tabs. In location-centric mode, the user can go to the map (centre and zoom on the location) or directly to any tab under the **Location** tab. In data set-centric mode, the user can go to the map, **Location** tabs or directly to any tab under the **Data Set** tab.
- **5. Refresh.** To refresh your underlying data when viewing the latest interval, either select this option from the Page Actions menu, or click the **Refresh Data** icon at the bottom-right of the grid.
- **6. Options menu button.** This button provides the following functions.
 - **Export Grid.** To export the grid’s contents to CSV or Excel format, click the **Options** menu button in the top-right corner of the page.

- **Send Data Sets to Export.** To export the data sets captured by the page's current data filter and info panel settings, click the **Page Actions** menu at the top-right of page and select this option. This auto-populates the **Add Data Sets** section of the form on the [Export](#) page, and redirects you to the page so you can configure the remaining export options.
- **Send Data Sets to Chart.** To view a chart containing the page's captured data sets, select this option from the Page Actions menu. This auto-configures the [Chart](#) page, and redirects you so you can view your chart.
- **Reset Sort, Clear Filters.** To reset the grid's sort settings to their default state and to remove all of the grid's active Data Filters, select this option from the **Page Actions** menu.

3.3 Data Mode > Folder

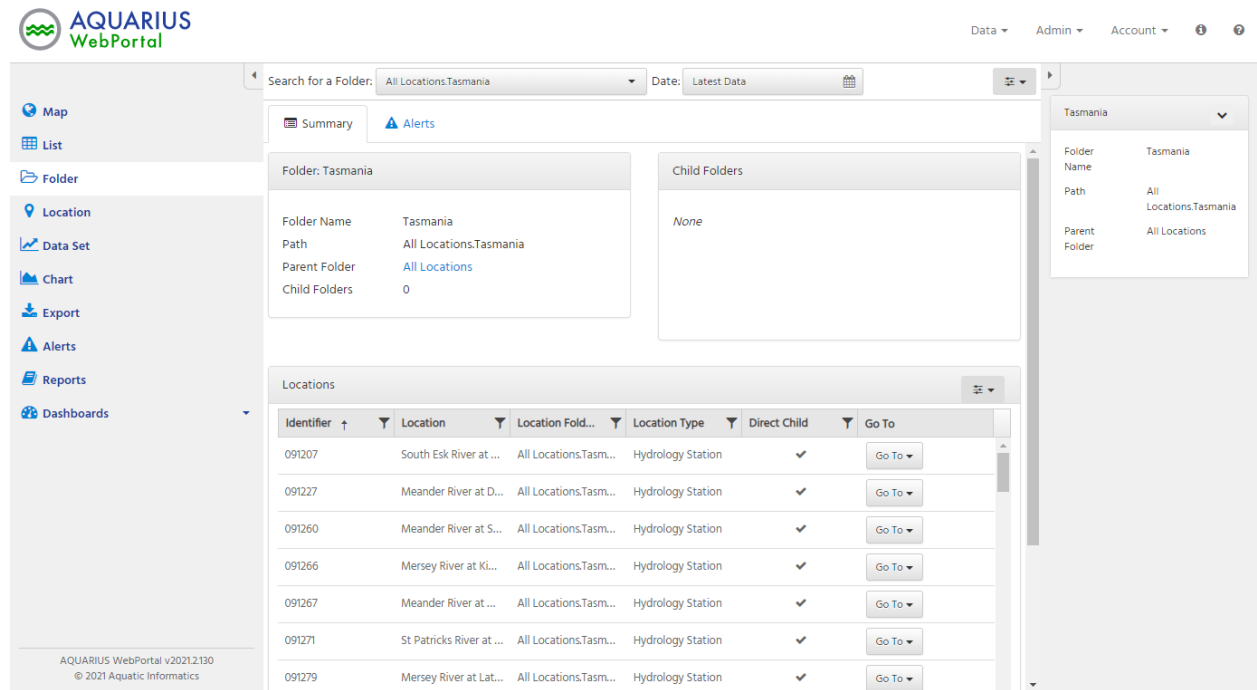
The **Folder** page displays all information for a selected location folder. The page features two tabs: **Summary** and **Alerts**.

3.3.1 Summary Tab

The **Folder** page's **Summary** tab displays:

- Data about the selected folder.
- A list of links to the selected folder's child folders.
- A grid listing all descendant locations contained within the folder's hierarchy. Each location in the grid has a

Go To button that enables easy navigation to either the map, or to a particular tab on the location’s page.



3.3.2 Alerts Tab

The **Folder** page’s **Alerts** tab displays notifications triggered by or related to any locations within the current folder’s hierarchy.

3.4 Data Mode > Location

The **Location** page displays all information for a location. The page features four tabs: **Summary**, **Alerts**, **Files**, and **Reports**.

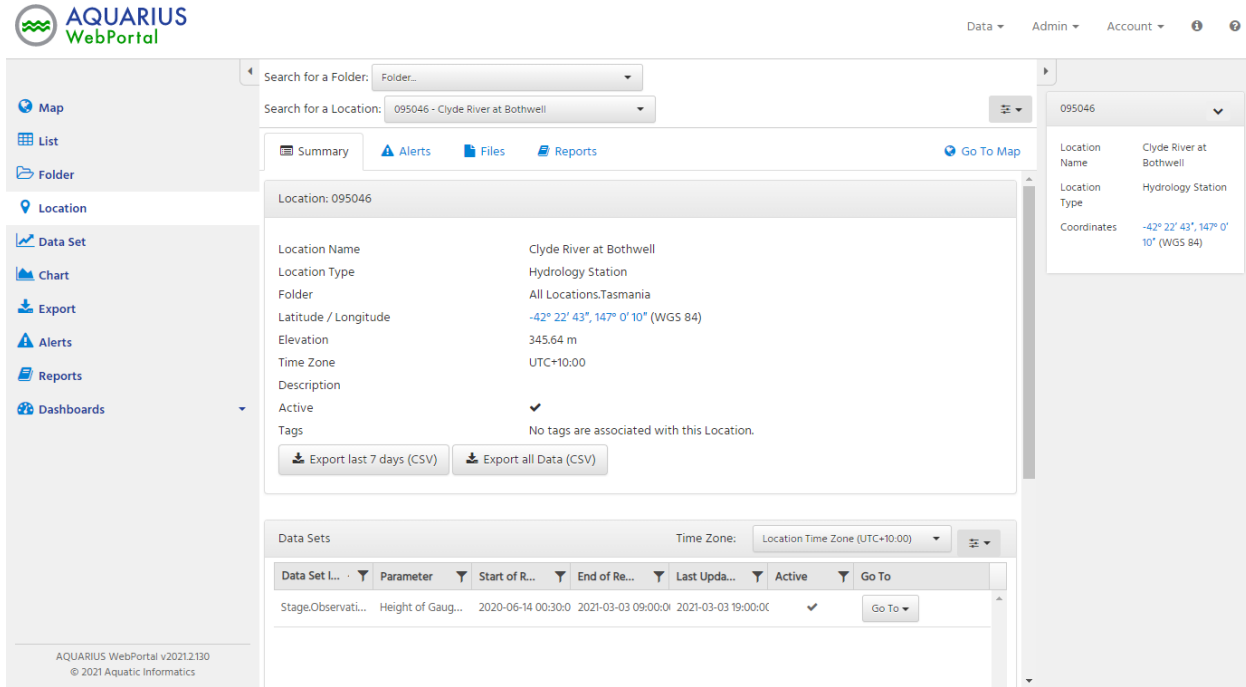
3.4.1 Summary Tab

The **Summary** tab displays:

- Data about the selected location, including any regular or extended location attributes that are visible to you, based on your user account, view group, or security role.
- A link to the selected location’s parent folder.
- Buttons for exporting the location’s data.
- A grid of data sets including the location, each with links to a map and other applicable pages.

A location’s coordinates can display as Longitude or Latitude, Easting or Northing, or both, as applicable.

The location displays with any tags it inherits from Time-Series that you have configured to display in WebPortal, either globally or for the specific view group.



The screenshot shows the AQUARIUS WebPortal interface. The top navigation bar includes 'Data', 'Admin', and 'Account' menus. The left sidebar contains navigation options: Map, List, Folder, Location, Data Set, Chart, Export, Alerts, Reports, and Dashboards. The main content area is titled 'Location: 095046' and displays the following details:

- Location Name: Clyde River at Bothwell
- Location Type: Hydrology Station
- Folder: All Locations.Tasmania
- Latitude / Longitude: -42° 22' 43", 147° 0' 10" (WGS 84)
- Elevation: 345.64 m
- Time Zone: UTC+10:00
- Description:
- Active:
- Tags: No tags are associated with this Location.

Below the details, there are two buttons: 'Export last 7 days (CSV)' and 'Export all Data (CSV)'. A 'Data Sets' table is also visible, showing a single entry for 'Stage.Observati...' with a parameter of 'Height of Gaug...' and a 'Go To' button.

3.4.2 Alerts Tab

The **Alerts** tab displays notifications that the current location triggers or is related to.

Search for a Folder: Folder... Search for a Location: 94272 - Mount Stuart (Defence)

Date: Monthly | August 2021

Summary Alerts Files Reports Go To Map

Name	Message	Triggered ↓	Reference
▶ High Rainfall	[UPDATE:29390] High Rainfall (> 2...	2021-08-31 07:53:04	Local
▶ High Rainfall	[UPDATE:29389] High Rainfall (> 2...	2021-08-31 06:49:13	Local
▶ High Rainfall	[UPDATE:29388] High Rainfall (> 2...	2021-08-31 05:45:26	Local
▶ High Rainfall	[UPDATE:29386] High Rainfall (> 2...	2021-08-31 04:43:27	Local
▶ High Rainfall	[UPDATE:29384] High Rainfall (> 2...	2021-08-31 03:40:17	Local
▶ High Rainfall	[UPDATE:29382] High Rainfall (> 2...	2021-08-31 02:36:58	Local
▶ High Rainfall	[UPDATE:29380] High Rainfall (> 2...	2021-08-31 01:34:46	Local
▶ High Rainfall	[UPDATE:29378] High Rainfall (> 2...	2021-08-31 00:30:44	Local
▶ High Rainfall	[UPDATE:29376] High Rainfall (> 2...	2021-08-30 23:25:21	Local
▶ High Rainfall	[UPDATE:29375] High Rainfall (> 2...	2021-08-30 22:21:03	Local
▶ High Rainfall	[UPDATE:29374] High Rainfall (> 2...	2021-08-30 21:17:03	Local
▶ High Rainfall	[UPDATE:29373] High Rainfall (> 25...	2021-08-30 20:12:38	Local
▶ High Rainfall	[UPDATE:29372] High Rainfall (> 2...	2021-08-30 19:12:06	Local
▶ High Rainfall	[UPDATE:29371] High Rainfall (> 25...	2021-08-30 18:09:20	Local
▶ High Rainfall	[UPDATE:29370] High Rainfall (> 2...	2021-08-30 17:07:46	Local
▶ High Rainfall	[UPDATE:29369] High Rainfall (> 2...	2021-08-30 16:03:42	Local
▶ High Rainfall	[UPDATE:29368] High Rainfall (> 2...	2021-08-30 15:00:19	Local

Items Displayed: 31

94272
 Location Name: Mount Stuart (Defence)
 Location Type: Meteorology Station
 Coordinates: -19° 23' 59", 146° 48' 0" (WGS 84)

aiaw-docsdemo/AQWebPortal/Data/Location/Summary/Location/.../08

3.4.3 Files Tab

The **Files** tab displays all files WebPortal synchronizes from AQUARIUS Time-Series that are available to the current user, as well as the location's images and other files.

You can set or clear the **Show Images** and **Show Files** check boxes to see only images or only files. If the tab displays images, a preview displays to the right of the file list.

Click **Filter By Tags**: to filter the files by Time-Series tags.

3.4.4 Reports Tab

The **Reports** tab displays a grid listing any reports WebPortal synchronizes from Time-Series systems for the selected location.

Clicking a report's link in the grid opens that report in your browser (shown below):

Daily Mean by Year 1 / 3

AQUATIC Informatics

Aquatic Informatics Data Management Software
Faster Analysis. Better Decisions.

Daily Mean by Year
Parent Folder.Child Folder.Report - [Report Description]

Jul 13, 2017 | 1 of 3
Period Selected: 2014-01-01 00:00 - 2016-12-31 23:59

Source Data: Discharge.working@training01, training01
Utc Offset: +00:00
Units: ft³/s

Year 2014 Max: 46537.441 Min: 161.421 Mean: 1159.919

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1016.975	3422.466	2931.580	2861.284	904.194	664.371	164.663	387.569	1257.994	215.868	209.712	301.256
2	1020.879	2817.172	3294.486	2635.606	892.222	628.689	163.113	333.357	1802.039	209.931	205.895	293.274
3	1016.837	2482.150	3581.936	2457.356	876.868	589.888	170.951	318.196	1411.453	206.682	201.929	284.737
4	1042.163	3342.459	3183.924	2376.637	845.108	560.281	181.924	555.946	1517.330	204.552	197.346	277.517
5	1037.981	3338.493	2776.824	2236.986	813.548	531.981	172.788	417.729	1790.144	231.657	196.778	275.472
6	1074.319	2715.453	2586.381	2091.756	788.910	506.598	164.624	369.667	1370.007	318.982	195.528	274.594
7	11305.658	2210.079	2449.909	2003.287	767.374	482.554	231.292	359.795	995.188	297.802	195.527	270.133
8	14572.964	2194.125	2272.317	1931.240	749.761	455.092	265.162	351.721	798.951	314.609	198.800	274.027
9	5583.090	2510.205	2165.015	1901.646	729.339	430.265	184.693	348.767	697.741	335.485	202.200	273.638
10	3543.467	2546.445	2088.003	1870.852	715.163	406.070	170.525	378.490	625.968	290.757	212.329	283.768
11	2976.276	2517.906	2040.744	1826.747	693.324	377.441	187.926	420.133	625.195	269.743	228.681	292.134
12	2337.050	2567.042	2089.236	1720.638	667.048	351.248	190.879	354.043	635.759	266.491	233.350	297.786
13	1969.289	2523.960	2267.115	1602.791	646.448	334.115	281.394	384.357	663.896	306.507	228.461	295.881
14	1708.539	2494.324	2546.370	1480.299	638.713	317.040	277.313	376.726	597.987	392.654	230.187	304.820
15	1472.775	2665.218	2774.279	1392.759	629.021	300.645	260.321	503.295	545.810	485.997	237.704	338.248
16	1275.526	2755.465	2795.927	1348.467	606.582	282.436	281.441	536.022	524.157	402.032	238.373	379.042
17	1110.544	3416.025	2554.696	1328.850	597.915	265.651	246.646	595.984	413.568	356.842	238.104	1297.066
18	938.152	3401.768	2362.934	1327.134	570.672	251.956	230.100	678.323	357.573	325.809	238.635	1568.697
19	802.113	2921.616	***	1287.373	552.202	240.258	206.871	972.903	329.735	301.127	238.418	1244.541
20	721.909	2588.238	***	1243.165	543.343	230.458	192.296	675.805	310.578	282.151	239.023	780.209
21	654.648	2586.213	***	1176.843	530.304	221.430	199.791	571.213	302.448	269.639	239.650	563.865

3.4.5 Dashboard Tabs

Each of the location's configured dashboards display on a unique tab with the same name as the dashboard in question. For example, a **Temperature** dashboard has a **Temperature** tab on the **Location** page.

3.5 Data Mode > Data Set

The **Data Set** page displays all information for a data set. The page features seven tabs: **Summary**, **Chart**, **Grid**, **Statistics**, **Alerts**, **Export**, and **Reports**.

3.5.1 Summary Tab

The **Summary** tab displays a summary of information about the data set. This includes the following fields:

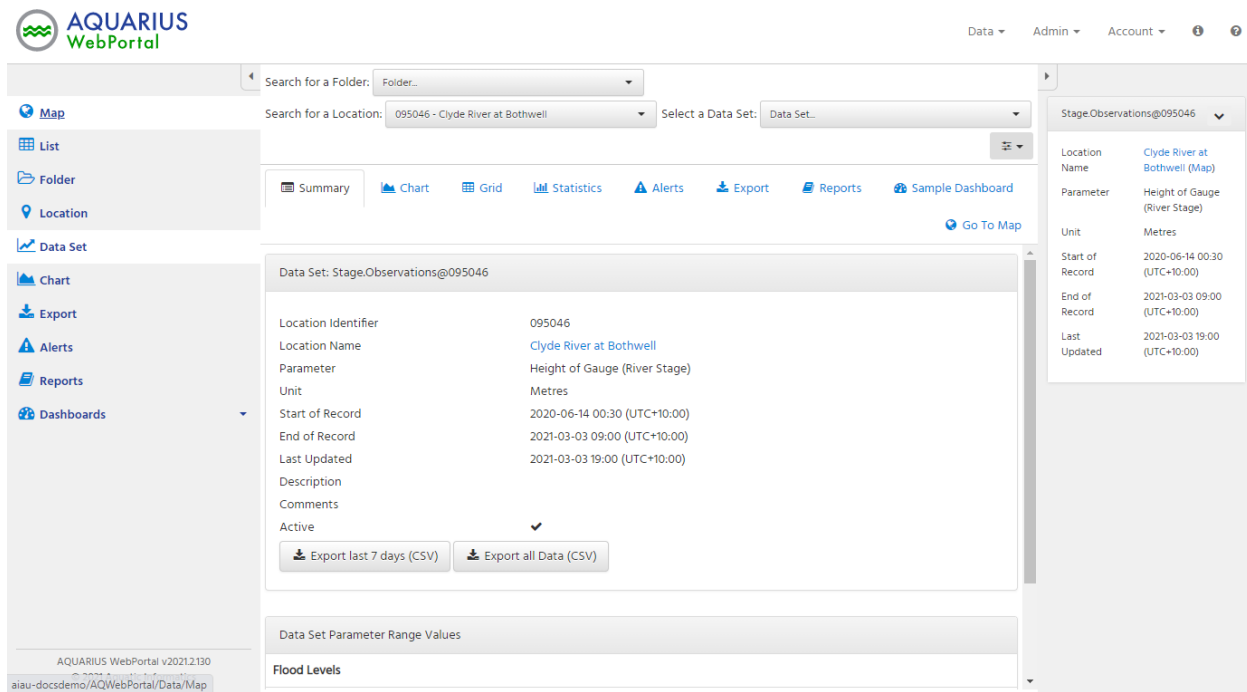
- Location Identifier
- Location Name
- Parameter
- Unit
- Start of Record
- End of Record

- Last Updated
- Description
- Comments
- Active

This standard information also displays in the **Info** panel.

Any regular or extended data set attributes visible to you (based on your user account, view group, or security role) also display here.

If you define the data set with parameter ranges, those parameter ranges display as well. Possible examples include dam spill levels, environmental compliance bands, licence limits, and flooding levels.

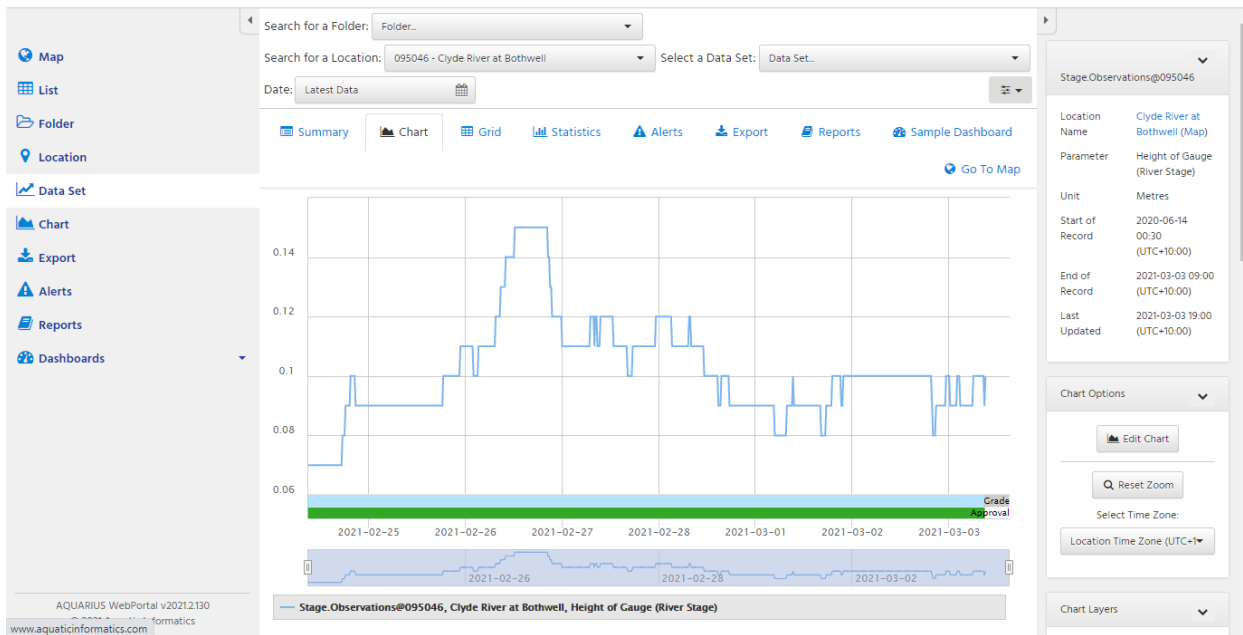


3.5.2 Chart Tab

The **Chart** tab plots the data set’s time-series data onto a chart.

Hovering over any point on the chart without clicking displays the **Date/Time** and the **Parameter** value at that point.

Zooming in – either by dragging the controls in the navigation bar below the chart, or by clicking and dragging horizontally within the chart – reloads the chart with reset axes, and provides finer-grained display of data points within the chart.

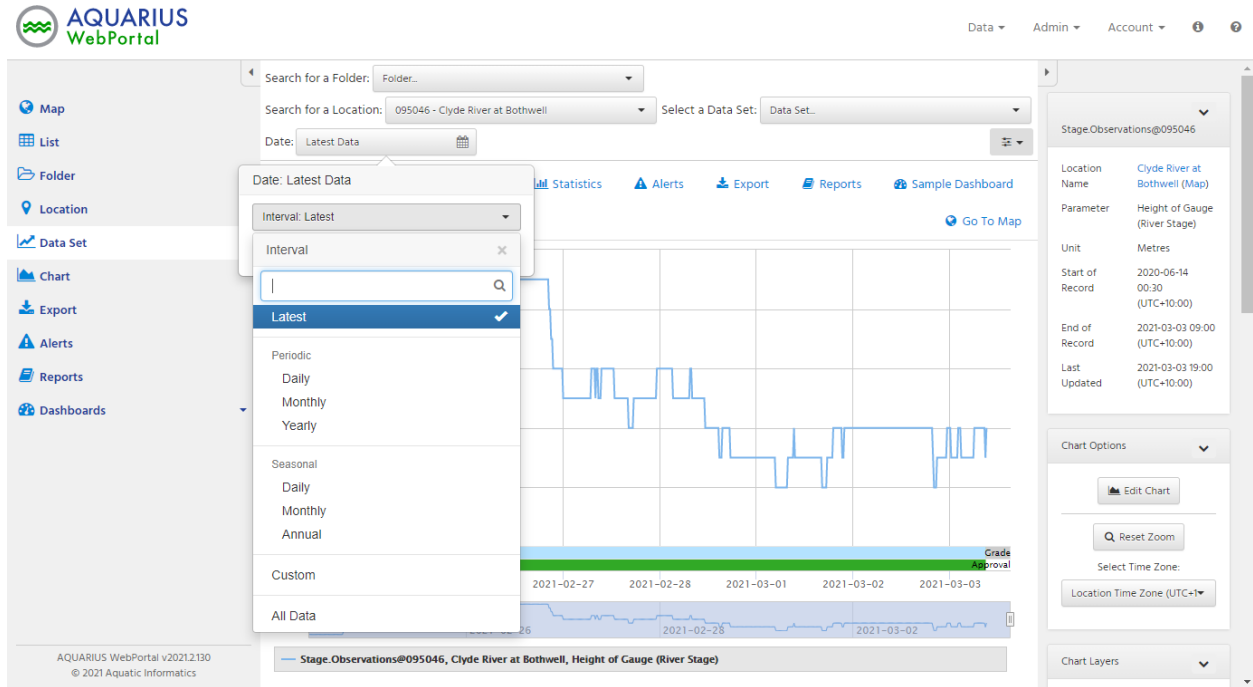


Interval Filter Options

From the **Interval** filter's drop-down list you can select from the following options:

- **Latest.** The chart displays 24 hours into the past and six hours into the future by default, with a dashed line representing now.
- **Periodic.** You can specify a calendar day, month, or year to view periodic data.
- **Seasonal.** You can change the seasonal period by switching the interval and setting the date. For example, you can choose the **Seasonal: Daily** interval to view the same calendar day of data for a reference period (that spans several years). This is useful if you want to view and compare data for the same seasonal interval from year to year.

i **NOTE** When viewing a seasonal interval chart from the Data Set view, the system shows the data sets as two separate series (current year and last year for comparison) by default.



- **Custom.** You can also select a custom date range to view any range of data.

Info Panel Options

The Info panel on the **Data Set** page's **Charts** tab displays information about the Data Set, and includes the collapsible sections **Chart Options**, **Chart Layers**, **Grade Codes**, and **Approval Levels**.

- **Chart Options.** Allows you to perform actions such as resetting the zoom level, switching between pan and zoom modes, and switching the time zone.
 - You can use **Edit Chart** to launch a dialog allowing you to add or remove data sets, modify the use and appearance of the axes, modify a number of display settings, and add or remove chart layers. Signed-in users can save charts from this menu that are available for their own viewing. Administrators can save charts from this menu that are available for everyone to view.

HINT To learn more, see [Data Mode > Chart](#).

- **Chart Layers.** Allows for toggling on or off the display of any available layers that exist for the selected location, parameter, or interval, including:
 - Field visit data;
 - Parameter range data (such as flooding levels);

- Parameter lines (such as the 50th percentile/median);
 - Percentile bands (with selected reference periods and intervals); and
 - Data set reference locations (such as flood-prone roads, or flood-prone locations)
- **Grade Code Legend.** Contains a legend showing color or grade assignments of the displayed time-series data. These colors display directly beneath the plot area in the **Grade** bar.
 - **Approval Levels Legend.** Contains a legend showing color or approval assignments of the displayed time-series data. These colors display directly beneath the plot area in the **Approval** bar.

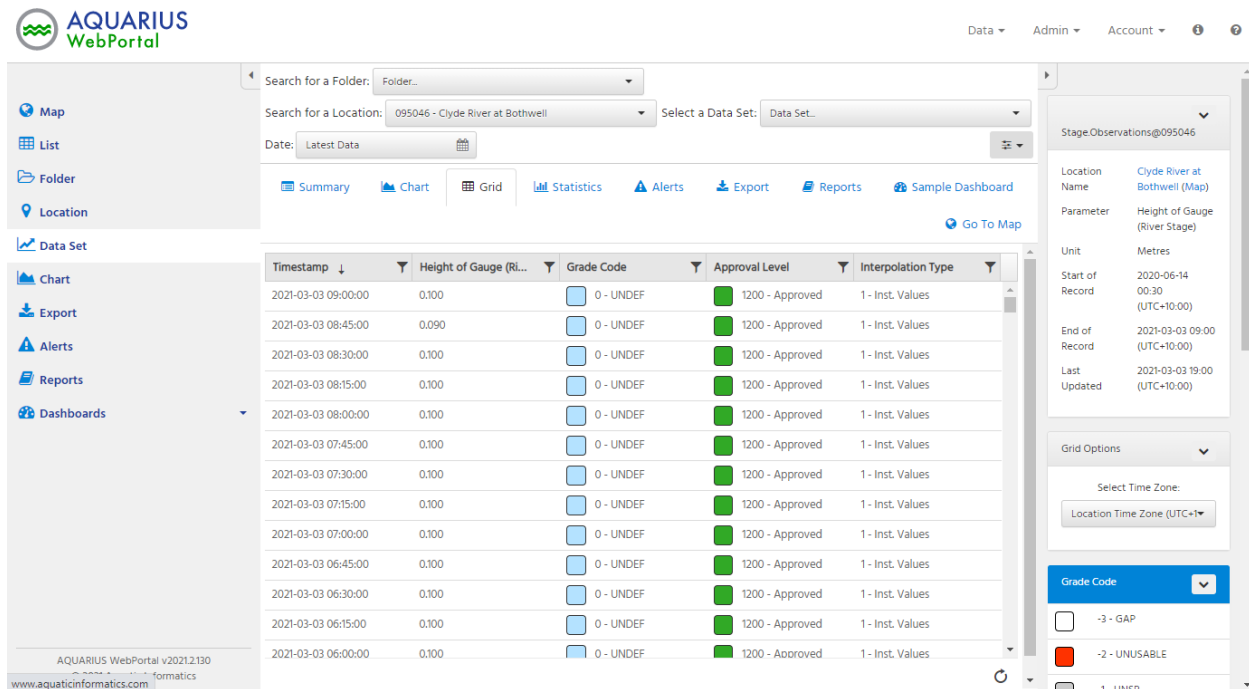
i NOTE Grades and Approval Levels are shown below the chart only when a single data set displays. If multiple data sets display, the chart does not show Grades and Approval Levels.

3.5.3 Grid Tab

The **Data Set** page’s **Grid** tab shows the same time-series data from the chart, but in a tabular format.

As well as displaying the list of times and values, the **Grid** tab displays other important information about each data point, such as its **Grade Code**, **Approval Level**, and **Interpolation Type**.

The **Info** panel for this tab displays information about the data set, and includes collapsible sections for **Grid Options**, **Grade Codes**, and **Approval Levels**.



AQUARIUS WebPortal

Search for a Folder: Folder...
 Search for a Location: 095046 - Clyde River at Bothwell
 Select a Data Set: Data Set...
 Date: Latest Data

Summary | Chart | **Grid** | Statistics | Alerts | Export | Reports | Sample Dashboard

Timestamp	Height of Gauge (Ri...	Grade Code	Approval Level	Interpolation Type
2021-03-03 09:00:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 08:45:00	0.090	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 08:30:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 08:15:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 08:00:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 07:45:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 07:30:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 07:15:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 07:00:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 06:45:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 06:30:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 06:15:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values
2021-03-03 06:00:00	0.100	0 - UNDEF	1200 - Approved	1 - Inst. Values

StageObservations@095046

Location Name: Clyde River at Bothwell (Map)
 Parameter: Height of Gauge (River Stage)
 Unit: Metres
 Start of Record: 2020-06-14 00:30 (UTC+10:00)
 End of Record: 2021-03-03 09:00 (UTC+10:00)
 Last Updated: 2021-03-03 19:00 (UTC+10:00)

Grid Options

Select Time Zone:
 Location Time Zone (UTC+10)

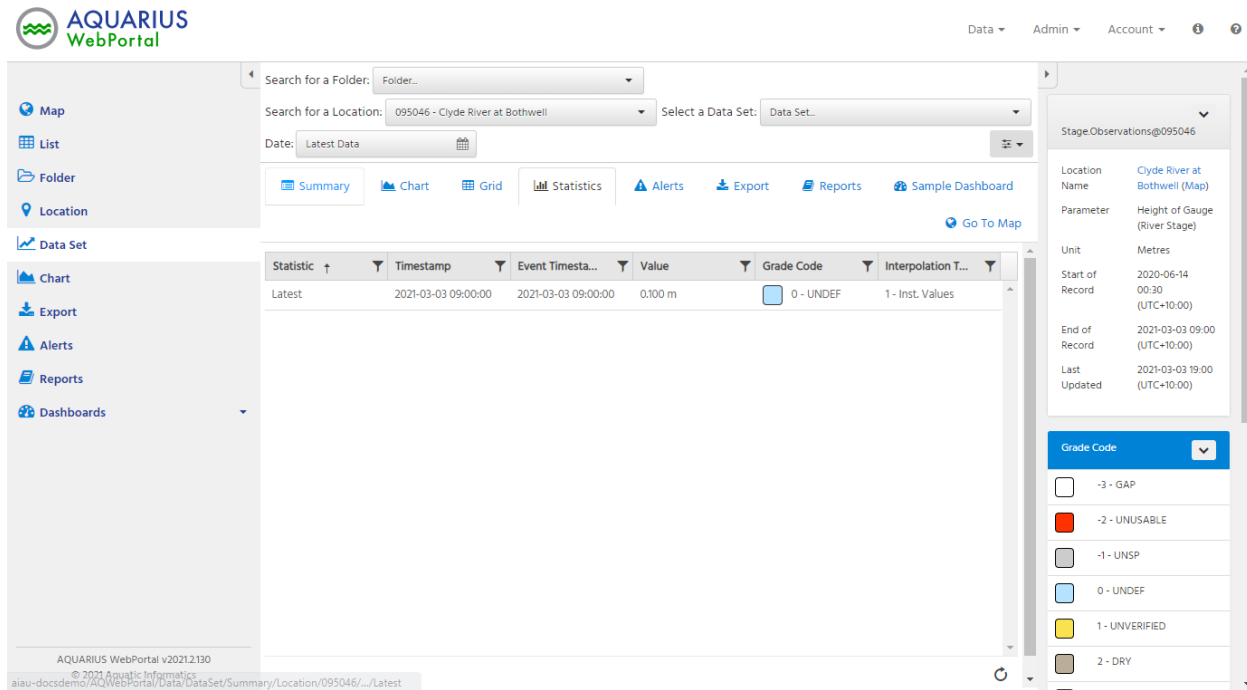
Grade Code

- 3 - GAP
- 2 - UNUSABLE
- 1 - UNSP

3.5.4 Statistics Tab

The **Data Set** page's **Statistics** tab displays all statistics that WebPortal calculates for the data set over the selected interval. As WebPortal pre-calculates statistics for the defined intervals, they are not available against the custom interval.

The **Info** panel for this tab displays information about the data set, and includes a collapsible section for grade codes.



3.5.5 Alerts Tab

The **Data Set** page's **Alerts** tab displays alert notifications that the current location triggers or is related to.

The **Info** panel for this tab displays information about the data set.

Map

List

Folder

Location

Data Set

Chart

Export

Alerts

Reports

Dashboards

Search for a Folder: Folder...

Search for a Location: 94272 - Mount Stuart (Defence)

Select a Data Set: Precip Increm.Weather Observations@94272 Date: Monthly | August 2021

Summary | Chart | Grid | Statistics | Alerts | Export | Reports

Sample Dashboard Go To Map

Name	Message	Triggered	Reference
▶ High Rainfall	[UPDATE:29391] High Rainfall ...	2021-08-31 08:53:59	Local
▶ High Rainfall	[UPDATE:29390] High Rainfall...	2021-08-31 07:53:04	Local
▶ High Rainfall	[UPDATE:29389] High Rainfall...	2021-08-31 06:49:13	Local
▶ High Rainfall	[UPDATE:29388] High Rainfall...	2021-08-31 05:45:26	Local
▶ High Rainfall	[UPDATE:29386] High Rainfall...	2021-08-31 04:43:27	Local
▶ High Rainfall	[UPDATE:29384] High Rainfall...	2021-08-31 03:40:17	Local
▶ High Rainfall	[UPDATE:29382] High Rainfall...	2021-08-31 02:36:58	Local
▶ High Rainfall	[UPDATE:29380] High Rainfall...	2021-08-31 01:34:46	Local
▶ High Rainfall	[UPDATE:29378] High Rainfall...	2021-08-31 00:30:44	Local
▶ High Rainfall	[UPDATE:29376] High Rainfall...	2021-08-30 23:25:21	Local
▶ High Rainfall	[UPDATE:29375] High Rainfall...	2021-08-30 22:21:03	Local
▶ High Rainfall	[UPDATE:29374] High Rainfall...	2021-08-30 21:17:03	Local
▶ High Rainfall	[UPDATE:29373] High Rainfall...	2021-08-30 20:12:38	Local
▶ High Rainfall	[UPDATE:29372] High Rainfall...	2021-08-30 19:12:06	Local
▶ High Rainfall	[UPDATE:29371] High Rainfall ...	2021-08-30 18:09:20	Local
▶ High Rainfall	[UPDATE:29370] High Rainfall ...	2021-08-30 17:07:46	Local

Items Displayed: 32

Precip Increm.Weather Observations@94272

Location Name: Mount Stuart (Defence) (Map)

Parameter: Precipitation Incremental

Unit: Millimetres

Start of Record: 2019-10-14 13:30 (UTC+10:00)

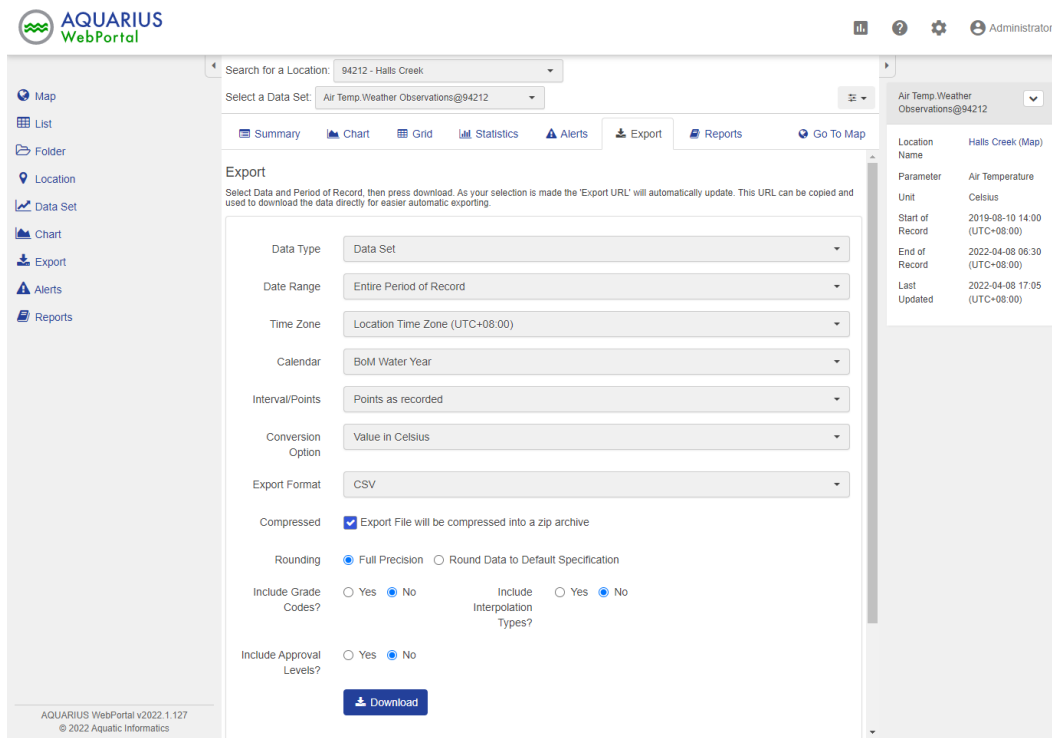
End of Record: 2021-08-31 23:30 (UTC+10:00)

Last Updated: 2021-09-01 01:14 (UTC+10:00)

3.5.6 Export Tab

The **Data Set** page's **Export** tab allows users to export data sets from the selected location.

Data Set Export



1. Click **Data Type**, then choose an option from the drop-down list. Each data type has different fields required to perform the export, the rest of the fields on the page may change depending on your choice.
2. Set the remaining fields on the page to the required options for your export. WebPortal populates these fields with default values designed to meet most common requirements.
 - **Data Type.** Choose between *Data Set*, *Periodic Statistic*, or *Seasonal Statistic*.
 - **Date Range.** Choose between *Custom*, *Entire Period of Record*, *Today*, *Last 7 Days*, and so on.
 - **Time Zone.** Choose between *Location Time Zone*, *User's Local Time Zone*, or *Coordinated Universal Time (UTC)*.
 - **Calendar.**
 - **Interval/Points** (Every [N] interval).
 - **Conversion Option.**
 - **Export Format.** Choose between the file types CSV, XLSX, and JSON.

- **Compressed.** Specify whether or not you want your output compressed into .zip format.
- **Rounding.** Choose either full precision or round values to the default specification. If you have not set a rounding specification, the system's default applies.
- **Include Metadata.** The available options depend on the options your system administrator has configured for your organization. If they have configured all options, you have the ability to include *Grade Codes, Approval Levels, and Interpolation Types.*

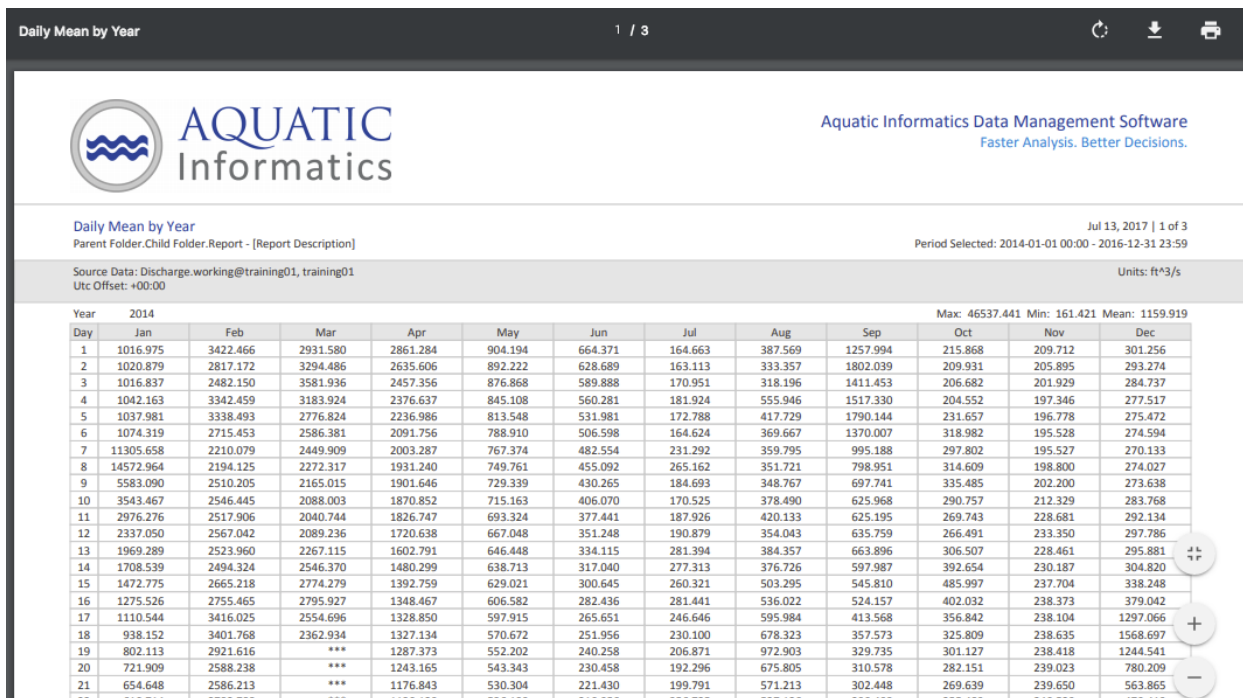
3. Choose either:

- **Download.** Export zipped files containing individual export files for all data sets (time-series) for the selected Location.
- **Copy to Clipboard.** Copy the URL inside the Export URL field. This URL can be used to begin an automatic download of the data you've specified. In addition to bookmarking or sharing them, you can use these links in conjunction with the WebPortal API.

3.5.7 Reports Tab

The **Data Set** page's **Reports** tab displays a grid listing any reports synced to AQUARIUS WebPortal from AQUARIUS Time-Series systems for the selected Data Set.

Clicking a report's link in the grid opens the report in your browser.



Daily Mean by Year | 1 / 3

Aquatic Informatics Data Management Software
Faster Analysis. Better Decisions.

Daily Mean by Year | Jul 13, 2017 | 1 of 3
Parent Folder: Child Folder: Report - [Report Description] | Period Selected: 2014-01-01 00:00 - 2016-12-31 23:59
Source Data: Discharge.working@training01, training01 | Units: ft³/s
Utc Offset: +00:00

Year	2014											
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1016.975	3422.466	2931.580	2861.284	904.194	664.371	164.663	387.569	1257.994	215.868	209.712	301.256
2	1020.879	2817.172	3294.486	2635.606	892.222	628.689	163.113	333.357	1802.039	209.931	205.895	293.274
3	1016.837	2482.150	3581.936	2457.356	876.868	589.888	170.951	318.196	1411.453	206.682	201.929	284.737
4	1042.163	3342.459	3183.924	2376.637	845.108	560.281	181.924	555.946	1517.330	204.552	197.346	277.572
5	1037.981	3338.493	2776.824	2236.986	813.548	531.981	172.788	417.729	1790.144	231.657	196.778	275.474
6	1074.319	2715.453	2586.381	2091.756	788.910	506.598	164.624	369.667	1370.007	318.982	195.528	274.594
7	11305.658	2210.079	2449.909	2003.287	767.374	482.554	231.292	359.795	995.188	297.802	195.527	270.133
8	14572.964	2194.125	2272.317	1931.240	749.761	455.092	265.162	351.721	798.951	314.609	198.800	274.027
9	5583.090	2510.205	2165.015	1901.646	729.339	430.265	184.693	348.767	697.741	335.485	202.200	273.638
10	3543.467	2546.445	2088.003	1870.852	715.163	406.070	170.525	378.490	625.968	290.757	212.329	283.768
11	2976.276	2517.906	2040.744	1826.747	693.324	377.441	187.926	420.133	625.195	269.743	228.681	292.134
12	2337.050	2567.042	2089.236	1720.638	667.048	351.248	190.879	354.043	635.759	266.491	233.350	297.786
13	1969.289	2523.960	2267.115	1602.791	646.448	334.115	281.394	384.357	663.896	306.507	228.461	295.881
14	1708.539	2494.324	2546.370	1480.299	638.713	317.040	277.313	376.726	597.987	392.654	230.187	304.820
15	1472.775	2665.218	2774.279	1392.759	629.021	300.645	260.321	503.295	545.810	485.997	237.704	338.248
16	1275.526	2755.465	2795.927	1348.467	606.582	282.436	281.441	536.022	524.157	402.032	238.373	379.042
17	1110.544	3416.025	2554.696	1328.850	597.915	265.651	246.646	595.984	413.568	356.842	238.104	1297.066
18	938.152	3401.768	2362.934	1327.134	570.672	251.956	230.100	678.323	357.573	325.809	238.635	1568.697
19	802.113	2921.616	***	1287.373	552.202	240.258	206.871	972.903	329.735	301.127	238.418	1244.541
20	721.909	2588.238	***	1243.165	543.343	230.458	192.296	675.805	310.578	282.151	239.023	780.209
21	654.648	2586.213	***	1176.843	530.304	221.430	199.791	571.213	302.448	269.639	239.650	563.865

Max: 46537.441 Min: 161.421 Mean: 1159.919

3.5.8 Dashboard Tabs

Each of the data set's configured dashboards display on a unique tab with the same name as the dashboard in question. For example, a **Temperature** dashboard has a **Temperature** tab on the **Data Set** page.

3.6 Data Mode > Chart

Data Mode's **Charts** page displays a user-selected chart, where the charts available are ones that users have created in AQUARIUS WebPortal. Location Charts have the *Location* sub-heading.

Any signed in users can view and modify existing charts. Administrators can save and delete charts that are available to all users. Standard users can create charts only accessible to themselves.

While you can edit charts in the **Data Set** page's **Chart** tab, you can only create charts in the main **Charts** page.

To create or edit a chart, launch the **Chart** form by clicking the appropriate button in the panel on the right-hand side of the page. (Note that the **Edit Chart** button is only visible when viewing an existing chart.)

The **Create Chart** entry form features six tabs: **Chart Series Tab**, **Y Axes Tab**, **X Axis Tab**, **Chart Settings Tab**, **Chart Layers Tab**, and **Save Chart Tab**.

i **NOTE** When working in the **Chart** tab on the **Data Sets** page, you can view any series that currently exist in the charts, and add new ones to it.

3.6.1 Location Charts

Where regular charts specify a data set for each chart series, a location chart specifies a parameter for each chart series.

If you view a location chart, you must select a location. When you select the location, the chart loads using data sets from that location. You cannot modify location charts in Data Mode, only in **Admin** or **View Group Admin** mode.

Clicking **Edit Chart** on a location chart shows all current chart series as a regular chart. You can modify, then preview or save this chart as a regular chart.

3.6.2 Chart Series Tab

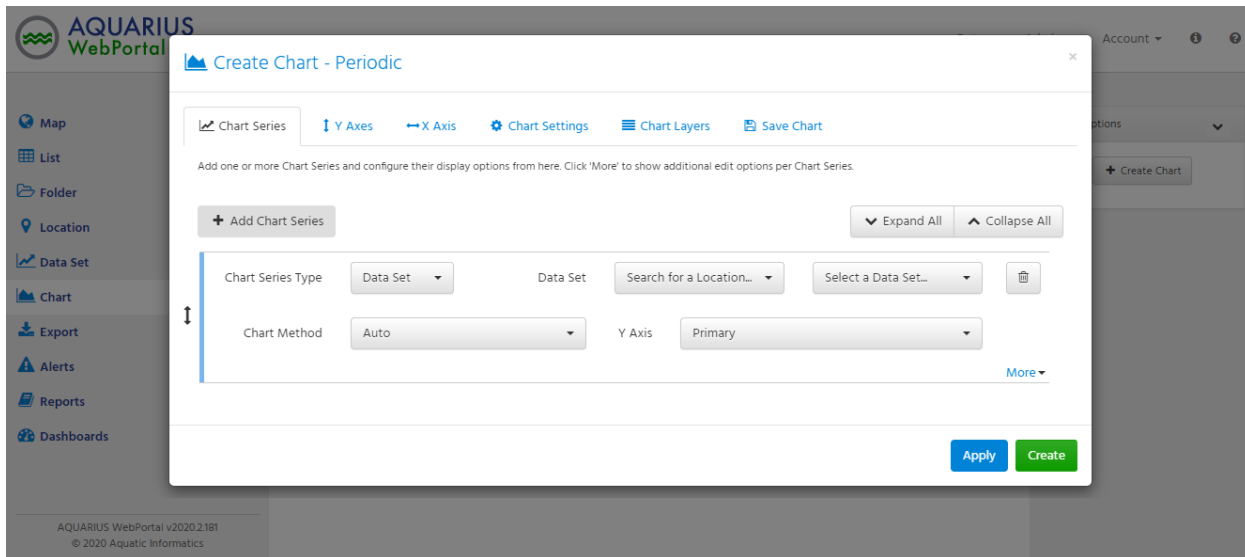
The **Chart Series** tab allows you to add one or more series and configure how the chart displays them.

Each series added to the chart:

- Must be one of the following types: **Data Set**, **Statistic**, or **Seasonal Statistic**.
- Must have a location, time-series, or parameter set in order to display on the chart.

- Must have a **Chart Method**. If you set the **Chart Method** to the default *Auto*, the system uses one of its default chart methods, each of which are based on the interpolation type of the involved time-series.
- Must have a **Y Axis**. The default setting is *Primary*, but can default to *Inverted* for Parameters of your choosing. For more information about this, refer to the Y Axes Tab sub-section below.

NOTE If you are creating or editing a chart with a seasonal interval and adding a series, you must specify a year to enable year-on-year comparisons.



If you wish to customize the chart series further, click **More** at the bottom right to display additional fields you can use to change the line and marker settings, change the **Legend Type** and **Tooltip Type**, and apply Pre-processing to the time-series data.

You can set the **Legend Type** and **Tooltip Type** fields to *Full*, *Brief*, or *Custom*. *Full* displays the identifier, location, parameter, and unit of the data set. *Brief* displays only the code. *Custom* displays the text entered into the **Legend Text** or **Tooltip Text** fields.

WebPortal applies any pre-processing to the time-series data before displaying it on a chart.


3.6.3 Y Axes Tab






The **Y Axes** tab allows you to add one or more Y Axes and configure how they're displayed in the chart.

When plotting multiple series that have different types of data (for example, cumulative rainfall and stream heights), WebPortal requires multiple Y axes to accommodate the differing parameters/units and correctly display the data.

By default, WebPortal displays three pre-created Y axes: *Primary*, *Secondary*, and *Inverted*. You can modify these defaults and add additional axes. Any axes you create that display in this tab are available for selection in the **Y Axis** drop-down list in the **Data Set** tab.




if you wish to customize an axis further, click **More** at the bottom right of each Axis' section to display additional fields you can use to change fonts and colors, to select whether the axis is logarithmic, and to select whether to reverse the axis (as is the case for the inverted axis).

 **Edit Chart - Periodic**
×

 Data Sets
I Y Axes
 X Axis
 Chart Settings
 Chart Overlays
 Save Chart

Add additional Y Axes and configure their display options from here. Y Axes can be used to help display multiple Data Sets of different Parameters/Units together.

+ Add Axis

Axis Name	<input type="text" value="Primary"/>	Title Text	<input type="text"/>	Position	<input type="text" value="Left"/>	
More						
Axis Name	<input type="text" value="Secondary"/>	Title Text	<input type="text"/>	Position	<input type="text" value="Right"/>	
More						
Axis Name	<input type="text" value="Inverted"/>	Title Text	<input type="text"/>	Position	<input type="text" value="Left"/>	
Label Format	<input type="text"/>		Label Font Size	<input type="text" value="11"/>		
Title Font Size	<input type="text" value="12"/>	Axis Colour	<input type="text"/>		Grid Colour	<input type="text"/>
Logarithmic	<input type="text" value="No"/>		Reverse	<input type="text" value="Yes"/>		

[Less](#)

About the Inverted Y Axis

When a series has an inverted axis, the chart displays its parameter upside down. You can do this manually each time you add or edit a series, or you can set it to occur automatically, so that each time you create a series for chosen parameters (for example, groundwater), its axis defaults to *Inverted*. To choose which parameters default to the inverted axis, go to **Account Settings** and modify the Setting Group *Webportal.Charts* that has the Setting Key *InvertParameters*.)

← Back to List
✕

- Account Overview
- Manage Account
- Account Settings
- Account Charts
- Change Password
- Sign Out

View Account Setting


Account Settings control various system functionalities by overriding default Settings. More information on each Setting and its options can be found in the Description field.







Setting Group	WebPortal.Charts
Setting Key	InvertParameters
Setting Can Be Overridden	✓
System	✓
Description	List of Parameter Identifiers that will have their Chart Y-Axis inverted by default. List is as CSV. (Example: GroundWaterLevel, Stage)
Setting Value	Ground Water Level

3.6.4 X Axis Tab

The **X Axis** tab allows you to configure the display properties for the chart's X Axis. You can choose to use a setting's global default, or override them with custom values. Available settings include:

- Label Font Size
- Title Font Size
- Axis Colour
- Grid Colour
- Title Text

 Edit Chart - Periodic
✕

 Data Sets
 Y Axes
 X Axis
 Chart Settings
 Chart Overlays
 Save Chart

Configure properties and display options for the chart's X Axis. Settings can be based on Global defaults, or overridden with a value of your choice.

Setting	Default Value	Override	Override Value
Label Font Size	11	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Title Font Size	12	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Axis Colour	<div style="width: 20px; height: 20px; background-color: #ccc; display: inline-block;"></div>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Grid Colour	<div style="width: 20px; height: 20px; background-color: #ccc; display: inline-block;"></div>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Title Text		<input type="radio"/> Yes <input checked="" type="radio"/> No	

3.6.5 Chart Settings Tab

The **Chart Settings** tab allows you to further configure the chart's display properties. You can choose to use a setting's global default, or override them with custom values. Available settings include:

- **Stacked Columns**
- **Show Now Line**
- **Background Colour**
- **Plot Background Colour**
- **Legend Font Size**
- **Legend Vertical Position**
- **Legend Horizontal Position**
- **Title Font Colour**
- **Title Font Size**
- **Title Text**
- **Subtitle Font Colour**
- **Subtitle Font Size**
- **Subtitle Text**
- **Lock Y-Axes To Grid**

Configure properties and general display options for the chart. Settings can be based on Global defaults, or overridden with a value of your choice.

Setting	Default Value	Override	Override Value
Stacked Columns	No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Show Now Line	Yes	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Background Colour	<input type="text" value=""/>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Plot Background Colour	<input type="text" value=""/>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Legend Font Size	11	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Legend Vertical Position	Bottom	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Legend Horizontal Position	Left	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Title Font Colour	<input type="text" value=""/>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Title Font Size	18	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Title Text		<input type="radio"/> Yes <input checked="" type="radio"/> No	
Subtitle Font Colour	<input type="text" value=""/>	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Subtitle Font Size	12	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Subtitle Text		<input type="radio"/> Yes <input checked="" type="radio"/> No	

3.6.6 Chart Layers Tab

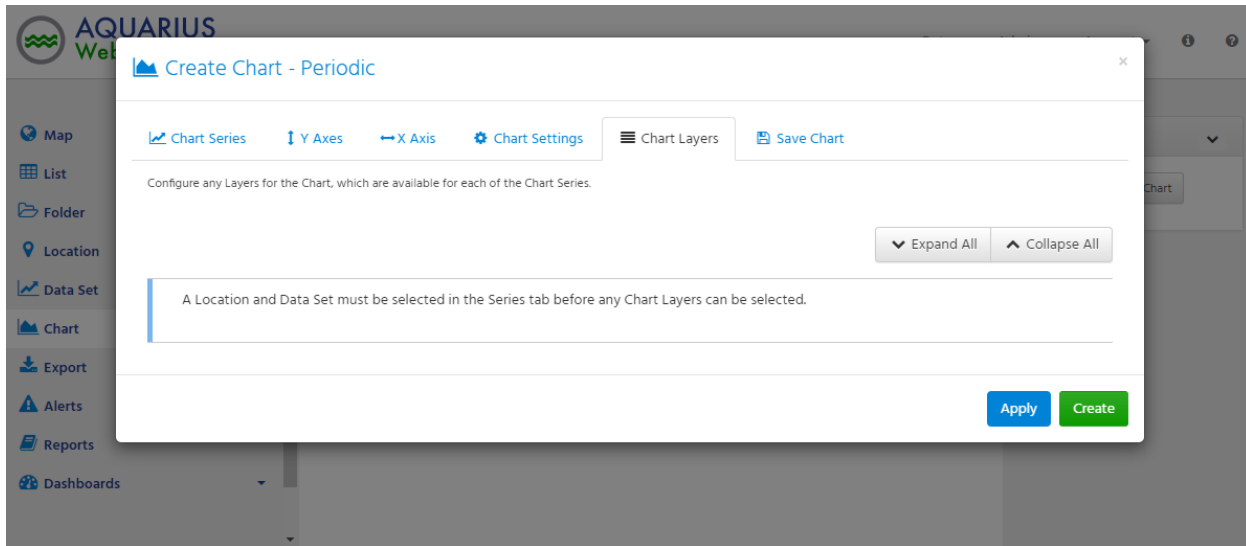
The **Chart Layers** tab allows you to configure and save which available layers display each time you view a chart from the **Charts** tab or in a dashboard.

Where a saved chart includes multiple series, each series may have its own layer options to choose from.

Available layers for a given series may include:

- **Field Visit Data.** Available if a Field Visits time-series exists for the same location and parameter.
- **Parameter Range Values.** Has the same label as the name of the **Parameter Range Definition** (for example, *Flooding Levels* for a Stage location).
- **Data Set Reference Locations.** Available if a data set reference location is associated with the time-series. (For example, *Flood-Prone Roads* and *Flood-Prone Locations*.)

- **Percentile Bands and Lines.** Available if you have calculated a percentile statistic against the location. You can add multiple percentile layers for different reference periods and intervals in the **Chart Layers** tab .

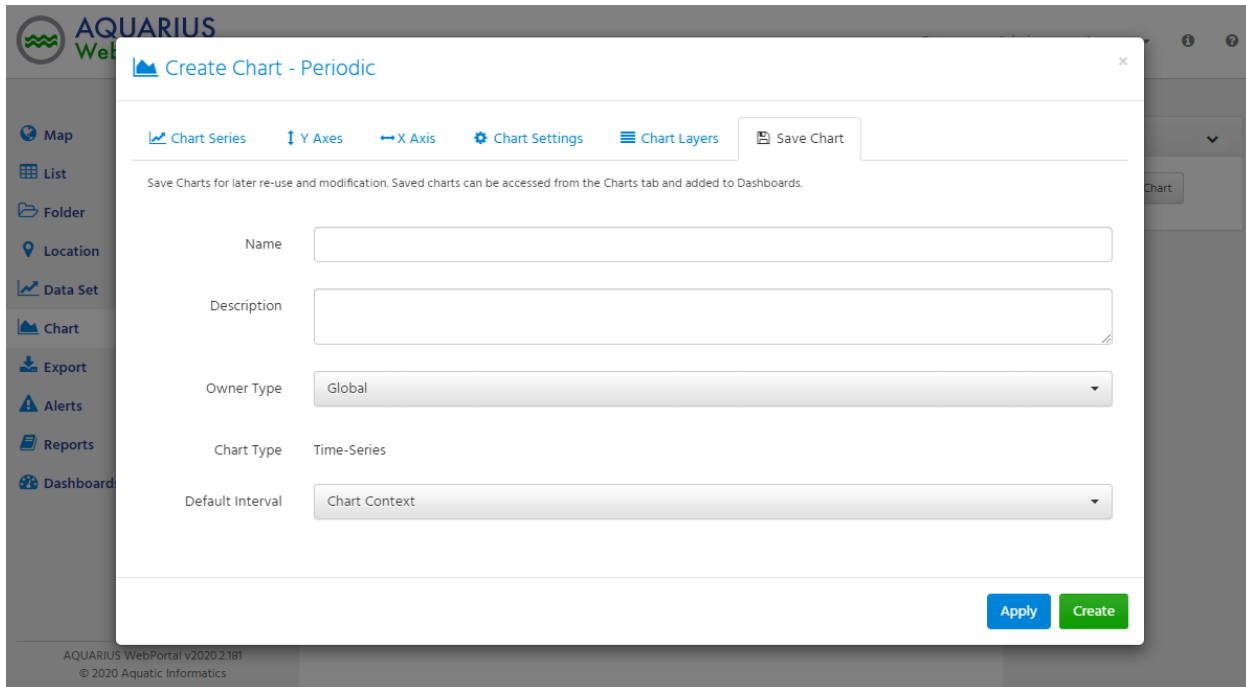


3.6.7 Save Chart Tab

The **Save Chart** tab allows you to save chart configurations by name, so you can easily reuse and modify them.

You can access any saved charts from the **Charts** tab, and also add them to dashboards.

In the Save Chart form, you can specify the type to control user access, and choose a default interval to default the chart display to a specific time frame (for example, Last 30 days, Current Year, or a Custom date range of any period).



3.7 Data Mode > Export

Data mode’s **Export** page contains configuration options that you can use to bulk export your data sets. You can export multiple data sets for multiple parameters from multiple locations all to a single, time-aligned file. You can also export them to separate files for each data set, depending on your preferences for a given export.

When using this page to export your data sets from WebPortal, you can specify the date range, the interval, the output file format, and what metadata to include or exclude.

When you have captured the data on the **Map** or **List** pages that you want to bulk export, select **Send to Export** from the **Page Actions** drop-down list. This takes you directly to the **Export** page. WebPortal pre-fills the form with the target data sets.

3.7.1 Available Actions

In addition to using the form sections on this page to export your data sets, you can also:

- **Save as Template.** Any time you export data in a way that you think you need to repeat, use this button to save the form settings as a template for future use. Once you save a template, you can use it the next time you want to use the form—simply select the template from the drop-down menu to instantly populate the form from the template’s settings.
- **Copy Export URL to Clipboard.** Once you configure the export form, click the **Copy to Clipboard** button next to the **Export URL** field, and you now have a link you can use to begin an automatic download of the data you’ve specified on the form. You can share the link with others, or use it in conjunction with the WebPortal API.

3.7.2 Bulk Export Data Sets

Using this page to export your data involves:

1. Filling out the form sections to specify your preferences.
2. Adding the data sets you wish to export.

The following table provides information about each of the form sections and their fields, including some examples for individual field names and values.

Export Data

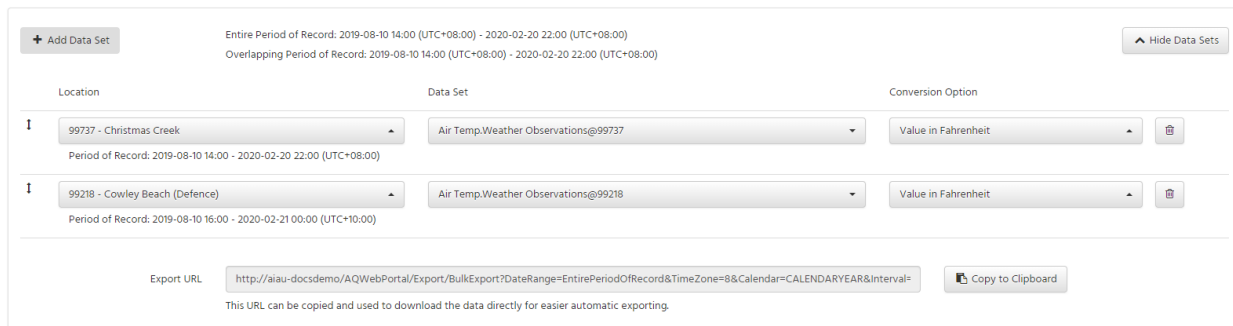
Field Names	Example Values	Usage and Notes
Prefill from Template	Template...	Select an export template to instantly populate the form sections with pre-saved specifications. Because different security levels can own export templates, View Group and User Account modes each have a dedicated page for creating templates at those ownership levels.
Date Range	Entire Period of Record	Choose a date range from options such as <i>Custom</i> , <i>Entire Period of Record</i> , <i>Overlapping Period of Record</i> , <i>Today</i> , <i>Last 7 Days</i> , and so on. <i>Overlapping Period of Record</i> uses the earliest start date and the latest end date that is common to all of the data sets you specify in the following form section.
Time Zone	UTC+10:00	Specify the time zone and calendar you want to use. The default calendar is <i>Calendar Year</i> .
Calendar	BOM Water Year	
Interval/Points	Hourly	Specify whether you want to export <i>Points as Recorded</i> , or aggregated data for one of the interval options, such as <i>Daily</i> or <i>Monthly</i> .
Points Every...	3 Hours	If you specify an interval in this field, another field displays to the right so you can specify the frequency.
Export Format	JSON	Choose between the file types <i>CSV</i> , <i>Excel</i> , and <i>JSON</i> .

Field Names	Example Values	Usage and Notes
Single/Multi File	Single Time-Aligned File	Specify whether you want to export the data sets to separate files, or to a single time-aligned file that aggregates data to a common interval.
Rounding	Full Precision Or Round Data to Default Specification	Choose between exporting data with full precision, or rounding the values using the default rounding specification. If you have not set a rounding specification, WebPortal applies the system default in Global Settings.
Include (Metadata)?	Yes / No	Specify whether to include or exclude the types of metadata shown with your exported data sets. Fields that display here are contextually dependent: Grade Codes , Approval Levels , Qualifiers , or Interpolation Types for example.

Data Sets

Data Sets

The Export tab is used for bulk exporting many Data Sets as a time-aligned file with data aggregated to a common interval. For exporting a single Data Set, the Data Set > Export tab can be used.



Entire Period of Record: 2019-08-10 14:00 (UTC+08:00) - 2020-02-20 22:00 (UTC+08:00)
 Overlapping Period of Record: 2019-08-10 14:00 (UTC+08:00) - 2020-02-20 22:00 (UTC+08:00)

Location	Data Set	Conversion Option
<input type="text" value="99737 - Christmas Creek"/> <small>Period of Record: 2019-08-10 14:00 - 2020-02-20 22:00 (UTC+08:00)</small>	<input type="text" value="Air Temp.Weather Observations@99737"/>	<input type="text" value="Value in Fahrenheit"/>
<input type="text" value="99218 - Cowley Beach (Defence)"/> <small>Period of Record: 2019-08-10 16:00 - 2020-02-21 00:00 (UTC+10:00)</small>	<input type="text" value="Air Temp.Weather Observations@99218"/>	<input type="text" value="Value in Fahrenheit"/>

Export URL:

This URL can be copied and used to download the data directly for easier automatic exporting.

For each data set you want to export, click the **+ Add Data Set** button, then use the drop-down menus to specify the **Location** and the **Data Set ID**.

If you specified an interval to export aggregated data, the **Conversion Options** field contains a list of options including *Interval Calculations* and *Unit Conversions* that you can apply to the data set. Otherwise, the **Conversion Options** field only includes *Unit Conversions*.

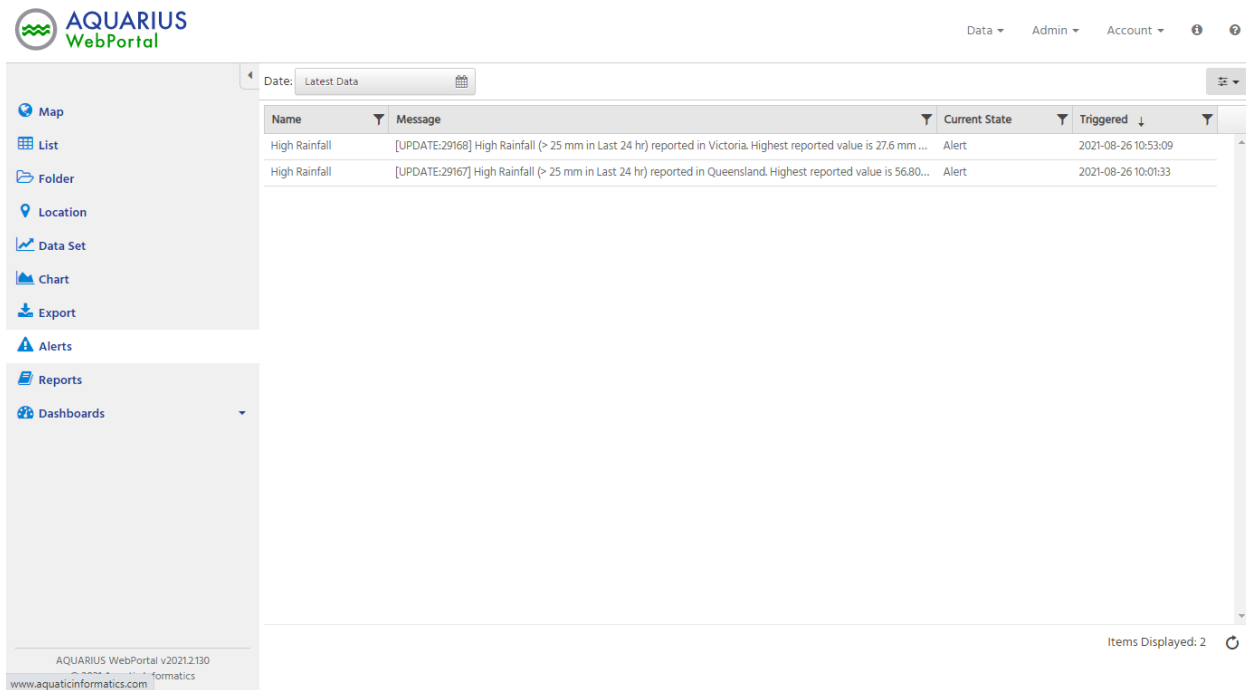
Copy Export URL to Clipboard. When the **Export URL** field and a **Copy to Clipboard** button are available, you can copy the URL inside the field and use it to begin an automatic download of the data you've specified on the form. In addition to bookmarking or sharing them, you can use these links in conjunction with the WebPortal API.

When exporting to a single time-aligned file, the order in which your data sets display in the file mirrors the way they display in this form section. If you want to reorder the data sets before exporting, drag-and-drop using the arrows to the left of the data sets shown in the image above.

3.8 Data Mode > Alerts

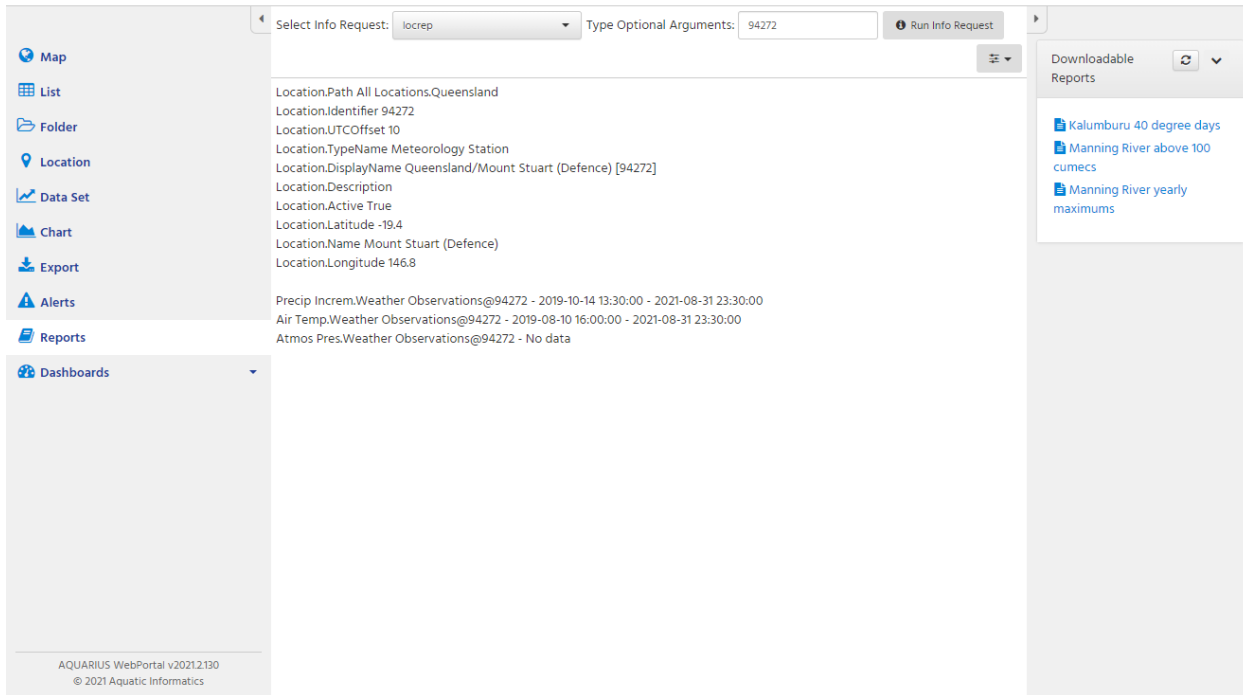
Data Mode's **Alerts** page displays key information about triggered alerts. The alerts that the page displays depends on the interval you select from the **Date** dropdown list at the top of the page.

- When you select *Latest* as the interval, the **Alerts** page displays a list of all currently triggered alerts.
- When you select *Periodic* as the interval, the **Alerts** page displays a list of all triggered alerts from the specified period.



3.9 Data Mode > Reports

Data Mode's **Reports** page allows you to make and run Info Requests and view custom reports from AQUARIUS Time-Series.



Select Info Request: locrep Type Optional Arguments: 94272 Run Info Request

Location.Path All Locations.Queensland
 Location.Identifier 94272
 Location.UTCOffset 10
 Location.TypeName Meteorology Station
 Location.DisplayName Queensland/Mount Stuart (Defence) [94272]
 Location.Description
 Location.Active True
 Location.Latitude -19.4
 Location.Name Mount Stuart (Defence)
 Location.Longitude 146.8

Precip.Increm.Weather Observations@94272 - 2019-10-14 13:30:00 - 2021-08-31 23:30:00
 Air Temp.Weather Observations@94272 - 2019-08-10 16:00:00 - 2021-08-31 23:30:00
 Atmos.Pres.Weather Observations@94272 - No data

Downloadable Reports

- Kalumburu 40 degree days
- Manning River above 100 cumecs
- Manning River yearly maximums

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3.9.1 Info Requests

Info Requests are text-based reports that you can generate on-demand. You can access them through AQUARIUS WebPortal, but are also available via email request and text message (SMS) request for remote access. You can select any available Info Request from the dropdown list at the top of the page.

When an Info Request requires additional arguments to run, an additional text-box field for entering those arguments displays. Clicking the **Run Info Request** button runs the request (and any additional arguments) and returns a text-based output in the main window.

3.9.2 Reports

The Info Panel for the **Reports** page displays a tree hierarchy of available reports that you can click to download. Downloaded Reports may be PDF files.

3.10 Data Mode > Dashboards

Dashboards display a series of widgets, allowing a quick overview of data in AQUARIUS WebPortal.

Administrators create and configure dashboards, which appear as a list under the **Dashboards** page in the Page List.

Dashboards are subject to one of three user-based viewing permissions, where:

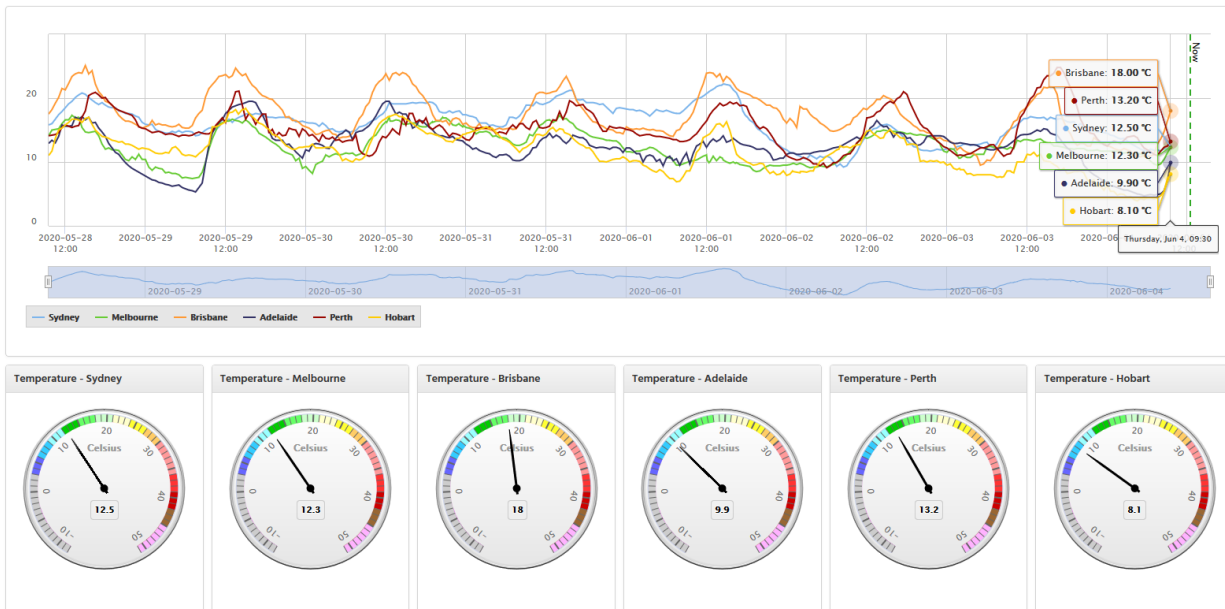
- **Global.** Gives access to all users.
- **View Group.** Gives access to individuals assigned to a view group.
- **User.** Gives access to only to a specified individual.

When only one dashboard exists, a tab with the same name as that dashboard replaces the **Dashboards** page.

When there are no defined dashboards, this page does not appear in the Page List.

Available dashboard widgets include **Free Text, Charts, Grids, Info Requests, and Webcams.** Widgets can also display external content, including websites, YouTube videos, and Twitter Timelines.

Some widgets have drop-down menus or text fields, allowing the user to enter data. Examples of user data include plain text, selecting a data set, a location, a chart, or a script.



4 Account Mode

Account mode allows registered Users to view, configure, and manage numerous items and settings specific to their account. To learn more about the tasks you can perform in Account Mode, see:

- [Account Overview](#)
- [Manage Account](#)
- [Account Settings](#)
- [Account Charts](#)
- [Account Dashboards](#)
- [Account Widgets](#)
- [Account Export Templates](#)
- [Change Password](#)



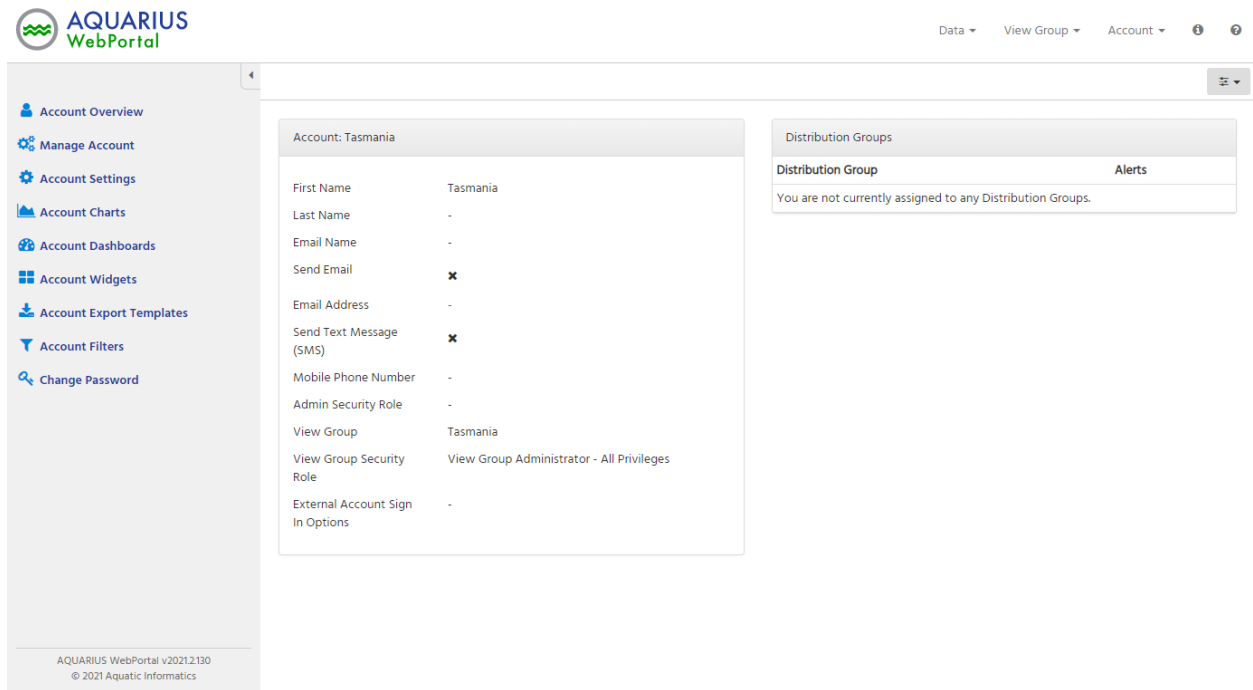
NOTE The pages, data, and actions available to you depend on your [User Account](#), [View Group](#), or [Admin Security Role](#)'s privileges.

4.1 Account Mode > Account Overview

The **Account Overview** page displays Account-related information, including:

- Your Security Role
- Your View Group
- Your linked External Sign In Accounts
- Your Distribution Groups
- Your Alerts

- Links to manage your account and change your password



4.1.1 Additional Actions

In addition to viewing your Account information, you can also use the **Page Actions** menu to:

- Get the page's **Permalink**.
- Load **Help** documents.

4.2 Account Mode > Manage Account

The **Manage Account** page contains three entry form sections that allow you to view and edit account-related information and options, including:

- Personal details
- External Sign In options
- Alert Notification preferences and contact information

4.2.1 Additional Actions

In addition to managing your account, you can also use the **Page Actions** menu to:

- Get the page's permalink.
- Load help documents.

4.2.2 Link an External Account

If an administrator has configured sign in access to any external accounts, one or more Link Account buttons should display in the **User Account** section.

To use your Google or Microsoft account to sign in to WebPortal, click the applicable button and follow the workflow to enter your account details.

You can also remove a linked external account at any time.

i **NOTE** The first time you sign in using an external account, you must accept an agreement that you share information with your WebPortal system. This is just related to your email address or user-name, which WebPortal uses to link accounts. *AQUARIUS WebPortal does not retrieve any additional information from your external accounts.*

4.3 Account Mode > Account Settings

The grid on the **Account Settings** page lists uncollected settings for various parts of the system.

Settings displayed include user account-specific settings, view group and global settings.

- Global settings only display if your user privileges allow them and a user account or view group setting has not overridden them.
- View group settings only display if your user privileges or view group allows them and an account setting has not overridden them.

! **IMPORTANT** Account settings follow the same rules as global and view group settings. WebPortal does not validate their data in any way, and once created, you cannot modify their **Setting Group** and **Setting Key**. For this reason, we recommend caution when making changes to any values for these types of Settings.

4.3.1 Available Actions

If you have full privileges for this page, you can.

- Create new Account Mode > Account Settings.
- View, edit, or delete Account Mode > Account Settings.
- Clone Account Mode > Account Settings.
- Use the Page Actions menu to.
 - Load **Help** documents.
 - Export all items that the page's current grid settings return.
 - Change the grid's sort and filter settings.
 - Refresh the page.

You can also override or remove the override from an existing view group or global setting.

4.4 Account Mode > Account Charts

The **Account Charts** page lists any existing charts that you or your view group own, as well as globally-owned charts. This page lists charts you do not own but you can only view or clone them. You cannot modify charts you do not own.

4.4.1 Available Actions

If you have full privileges for this page, you can:

- Create new Account Mode > Account Charts.
- View, edit, or delete Account Mode > Account Charts.
- Clone Account Mode > Account Charts.
- Preview one of your existing Account Mode > Account Charts.
- Use the Page Actions menu to:
 - Get the page's **Permalink**.
 - Load **Help** documents.
 - Export all items returned by the page's current grid settings.

- Change the grid's sort and filter settings.
- Refresh the page.

4.5 Account Mode > Account Dashboards

The **Account Dashboards** page lists any existing dashboards that you or your view group own, as well as globally-owned dashboards. This page lists dashboards you do not own but you can only view or clone them. You cannot modify dashboards you do not own.

Each dashboard on the **Account Dashboards** page represents a fully customizable page that you have either configured, or is ready for you to configure. You can use these configured dashboards to display one or more of your widgets according to your specifications.

Account dashboards and their [Widgets](#) provide quick access to frequently-viewed information.

4.5.1 Available Actions

If you have full privileges for this page, you can.

- Create new Account Mode > Account Dashboards.
- View, edit, or delete Account Mode > Account Dashboards.
- Clone Account Mode > Account Dashboards.
- Use the Page Actions menu to.
 - Load **Help** documents.
 - Export all items that the page's current grid settings return.
 - Change the grid's sort and filter settings.
 - Refresh the page.

You can also view an account dashboard that does not belong to your user account.

4.5.2 Create an Account Dashboard

Before you can configure an account dashboard's contents and appearance, you must first create it.



HINT If there is an existing account dashboard you want to use as the basis for a new one, simply clone it, then rename and edit the clone.

1. Go to **Account > Account Dashboards**.
2. Click the **Create** button.
3. Complete the form sections.

! **IMPORTANT** To save any changes you make in an entry form, you must select one of the options in the Save drop-down button before leaving the page.

The following table provides information about the form section and its fields, including some examples for individual field names and values.

Create Dashboard

Field Names	Example Values	Usage and Notes
Name	Gauges	Dashboard name must be unique.
Owner Type	User	WebPortal pre-populates this field with the <i>User</i> owner type.
Single Widget Dashboard	Yes	Options: <i>Yes, No</i> . Allows you to optimize a dashboard to display a single widget taking up all space available. When you set the value to <i>Yes</i> WebPortal displays a Widget dropdown list that allows you to select the widget. You cannot use any other configuration for single widget dashboards.
Active	Yes	Options: <i>Yes, No</i> . Allows you to switch the dashboard between active and inactive. While you can create any number of dashboards, the number that can be active at the same time depends on your license. The default license allows for two concurrently active dashboards.
Show Dashboard On	Left Side Menu	Options: <i>Left Side Menu, Location Tab, and Data Set Tab</i> . Allows you to control where the dashboard displays. Your selection determines the dashboard's configuration options below. If you select <i>Left Side Menu</i> , no additional configuration options display.

Field Names	Example Values	Usage and Notes
Show Dashboard On	Location Tab	If you configure the dashboard to appear on <i>Location Tab</i> , you can also specify the locations or location types for which the dashboard displays as well as the widgets to display on the dashboard.
Show Dashboard Location Tab		Options: <i>All Locations</i> , <i>Locations by Location Type</i> , or <i>Selected Locations</i> . Displays when you set Show Dashboard On to <i>Location Tab</i> . You can use the <i>All Locations</i> and <i>Locations by Location Type</i> options to template a dashboard and <i>Selected Locations</i> to create a dashboard you can customize to individual locations.
	All Locations	The dashboard displays on the Location tab for all locations.
	Locations by Location Type	The dashboard displays for all locations belonging to the specified location type. Enter a location type in Location Types . A matching list displays as you type — make your selection from this list, then click + Add Location Type . Repeat this procedure to select another location type.
	Selected Locations	The dashboard displays for the specified locations only. Enter a location in Locations . A matching list displays as you type — make your selection from this list, then click + Add Location . Repeat this procedure to select another location.
Override Widget Variables	Fixed and User Selected	This field assists you in templating the dashboard. — Select <i>Fixed and User Selected</i> to template a generic dashboard. — Select <i>Fixed Only</i> or <i>User Selected Only</i> to create a dashboard for one or more locations with elements from other related locations.

Field Names	Example Values	Usage and Notes
Show Dashboard On	Data Set Tab	If you configure the dashboard to appear on <i>Data Set Tab</i> , you can select the parameter or data set for which the dashboard displays as well as the widgets to display on the dashboard.

Field Names	Example Values	Usage and Notes
Show Dashboard Dataset Tab		<p>Options: <i>All Data Sets</i>, <i>Data Sets by Parameter</i>, or <i>Selected Data Sets</i>.</p> <p>Displays when you set Show Dashboard On to <i>Data Set Tab</i>.</p> <p>You can use the <i>All Data Sets</i> and <i>Data Sets by Parameter</i> options to template a dashboard and <i>Selected Data Sets</i> to create a dashboard customized to individual data sets.</p>
	All Data Sets	The dashboard displays on the Data Set tab for all data sets.
	Data Sets by Parameter	<p>The dashboard displays for all data sets that use the specified parameter.</p> <p>Enter a parameter in Parameter. A matching list of parameters displays as you type — make your selection from this list.</p>
	Selected Data Sets	<p>The dashboard displays for selected data sets only.</p> <ul style="list-style-type: none"> — Enter a location in Search for a Location. A matching list of locations displays as you type — make your selection from this list. — Enter a data set in Search for a Data Set. A matching list of data sets displays as you type — make your selection from this list. — Click + Add Data Set. — To select another data set, repeat this procedure.
Override Widget Variables	User Selected Only	<p>This field assists you in templating the dashboard.</p> <ul style="list-style-type: none"> — Select <i>Fixed and User Selected</i> to template a generic dashboard. — Select <i>Fixed Only</i> or <i>User Selected Only</i> to create a dashboard for one or more data sets with elements from other related data sets.

4.5.3 Configure an Existing Account Dashboard

Once you have created an account dashboard, you can configure its contents and appearance as follows:

1. Go to **Account > Account Dashboards**.
2. In the grid, locate your target account dashboard.
3. Click its **Row Actions** button, then select **Configure** from the drop-down menu.

The Configure page for each account dashboard contains a blank canvas and a set of controls for:


- Adding regular widgets.
- Adding embedded widgets (if any exist).
- Creating and adding new embedded widgets.

You create embedded widgets on the **Configure Dashboard** page, whereas regular widgets are those you create on the **Create Widget** page.

You can only use embedded widgets in their single, associated dashboard.

You can perform the following actions on widgets:

- **Move.** Click-and-drag anywhere in the widget when the hand icon is visible.
- **Resize.** Click-and-drag the bottom-right corner once the arrow icon is visible.
- **Delete.** Click the Delete icon.
- **Refresh.** Click the Refresh icon to update the widget's data.

 **IMPORTANT** To save any changes you make in an entry form, you must select one of the options in the Save drop-down button before leaving the page.

4.6 Account Mode > Account Widgets

The **Account Widgets** page lists any existing widgets that you or your view group own, as well as globally-owned widgets. This page lists widgets you do not own but you can only view or clone them. You cannot modify widgets you do not own.

Each widget on the **Account Widgets** page represents a fully customizable, mini-application that currently exists in your system, and that you can place on one or more of your dashboards.

Account [Dashboards](#) and their widgets provide quick access to frequently-viewed information.

4.6.1 Available Actions

If you have full privileges for this page, you can.


- Create new Account Mode > Account Widgets.
- View, edit, or delete Account Mode > Account Widgets.
- Clone Account Mode > Account Widgets.

- Use the Page Actions menu to.
 - Load **Help** documents.
 - Export all items that the page’s current grid settings return.
 - Change the grid’s sort and filter settings.
 - Refresh the page.


You can also view an account widget that does not belong to your user account.

4.6.2 Create an Account Widget

You must base each account widget you create on an existing widget template. AQUARIUS WebPortal offers several system-defined widgets; administrators or users with view group administration privileges can create additional widgets.

 **HINT** If there is an existing account widget you want to use as the basis for a new one, simply clone it, then rename and edit the clone.

1. Go to **Account > Account Widgets**.
2. Click **Create**.
3. Complete the form sections.

 **IMPORTANT** To save any changes you make in an entry form, you must select one of the options in the Save drop-down button before leaving the page.

The following tables provide information about each of the form sections and their fields, including some examples for individual field names and values.

Field Names	Example Values	Usage and Notes
Name	Video - AI Water Data Mgmt.	The widget's name must be unique.

Field Names	Example Values	Usage and Notes
Owner Type	User	WebPortal pre-populates this field with the <i>User</i> owner type.
Widget Template	YouTube Video	Select from the available widgets. Once you choose a template, two additional form sections display on the page: Instructions and Input Variables .

Instructions

Field Names	Example Values	Usage and Notes
(N/A)	<p>The YouTube Video Widget Template allows you to embed a YouTube video onto a Dashboard.</p> <p>For the 'VideoID' set this to the unique code that identifies the YouTube Video.</p> <p>There are several ways to find this code, from the URL https://www.youtube.com/watch?v=8cwiniJh_dQ the code is highlighted. Under the video YouTube also includes a Share option which uses a shorter URL https://youtu.be/8cwiniJh_dQ the VideoID can be found at the end of this Share URL.</p> <p>As an example use "8cwiniJh_dQ" as the VideoID Input Variable. This will display the "Water Data Management – Faster Analysis. Better Decisions." video from the Aquatic Informatics Inc. YouTube channel.</p>	<p>After selecting a widget template, this section displays, allowing you to read the instructions specified in the widget template.</p>

Input Variables

Field Names	Example Values	Usage and Notes
Video ID	Fixed	After selecting a widget template, this section displays, allowing you to enter the required input variables specified in the widget template.
Value	8cwiniJh_dQ	<p>Most widget templates generate fields in this section that allow you to specify whether the variable value remains fixed, or if you can set it to a default value that you can edit when you view the widget on a dashboard.</p> <p>Some widget templates -- those that specify <i>Content In Widget = True</i> -- generate a single text field in this section for entering the content.</p>

Advanced Settings

Field Names	Example Values	Usage and Notes
Show Header	No	The fields in this section allow you to specify whether the widget displays a header and footer, and the contents of each.
Show Footer	No	The Static and Update Interval fields are related as follows:
Static	Yes	<p>- If you set Static to <i>No</i>, then when you viewing this widget on a dashboard, WebPortal refreshes its data at the rate in the Update Interval field.</p> <p>- If you set Static to <i>Yes</i>, then WebPortal only loads the widget's data only once when you load the dashboard.</p>
Update Interval (minutes)		Note that if the widget template you select above specifies <i>Static = Yes</i> , you cannot edit these fields at the widget level.

4.7 Account Mode > Account Export Templates

The **Account Export Templates** page lists any existing templates that you or your view group own, as well as globally-owned templates. This page lists templates you do not own but you can only view or clone them. You cannot modify templates you do not own.

4.7.1 Available Actions

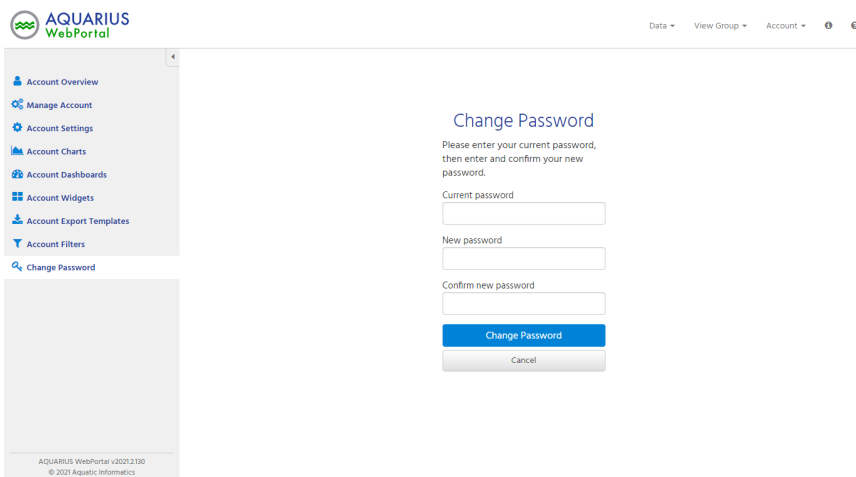
If you have full privileges for this page, you can:

- Create new Account Mode > Account Export Templates.
- View, edit, or delete Account Mode > Account Export Templates.
- Clone Account Mode > Account Export Templates.
- Preview one of your existing Account Mode > Account Export Templates.
- Use the Page Actions menu to:
 - Get the page's **Permalink**.
 - Load **Help** documents.
 - Export all items returned by the page's current grid settings.
 - Change the grid's sort and filter settings.
 - Refresh the page.

You can also save export templates any time you are exporting data using the [Export](#) page. Simply click the Save as Template button whenever you configure the form the way you want it.

4.8 Account Mode > Change Password

The **Change Password** page is the same one WebPortal displays when you enter a temporary password. As long as you know your account's current password, you can change it using the entry form on this page.



The screenshot displays the 'Change Password' interface within the AQUARIUS WebPortal. On the left, a sidebar lists various account management options, with 'Change Password' selected. The main area features a form with the following elements:

- Title:** Change Password
- Instruction:** Please enter your current password, then enter and confirm your new password.
- Fields:** Three text input fields labeled 'Current password', 'New password', and 'Confirm new password'.
- Buttons:** A blue 'Change Password' button and a grey 'Cancel' button.

At the bottom left of the page, the footer text reads: 'AQUARIUS WebPortal v20212130 © 2021 Aquatic Informatics'.