



Government of **Western Australia**  
Department of **Water and Environmental Regulation**

# Water information reporting (WIR) system

## Frequently asked questions

*Looking after all our water needs*

Department of Water and Environmental Regulation  
September 2017

Department of Water and Environmental Regulation  
168 St Georges Terrace  
Perth Western Australia 6000  
Telephone +61 8 6364 7600  
Facsimile +61 8 6364 7601  
National Relay Service 13 36 77  
[www.water.wa.gov.au](http://www.water.wa.gov.au)

© Government of Western Australia

September 2017

This work is copyright. You may download, display, print and reproduce this material in unaltered form only (retaining this notice) for your personal, non-commercial use or use within your organisation. Apart from any use as permitted under the *Copyright Act 1968*, all other rights are reserved. Requests and inquiries concerning reproduction and rights should be addressed to the Department of Water and Environmental Regulation.

### **Acknowledgements**

This project is supported by the state government's Royalties for Regions program.

For more information about this document, contact  
Water Information Management section

Email: [wir@dwer.wa.gov.au](mailto:wir@dwer.wa.gov.au).

### **Disclaimer**

This document has been published by the Department of Water and Environmental Regulation. Any representation, statement, opinion or advice expressed or implied in this publication is made in good faith and on the basis that the Department of Water and Environmental Regulation and its employees are not liable for any damage or loss whatsoever which may occur as a result of action taken or not taken, as the case may be in respect of any representation, statement, opinion or advice referred to herein. Professional advice should be obtained before applying the information contained in this document to particular circumstances.

*This publication is available at our website <[www.water.wa.gov.au](http://www.water.wa.gov.au)> or for those with special needs it can be made available in alternative formats such as audio, large print, or Braille.*

# Contents

Frequently asked questions.....	1
1 How current is the data in WIR?.....	1
2 Is there a cost?.....	1
3 Are there any known system issues?.....	1
4 How long will it take for my data to arrive?.....	2
5 What browsers are compatible?.....	2
6 When can I use WIR?.....	3
7 Can I apply advanced site filtering based on criteria such as particular variables or numbers of measurements?.....	3
8 Can I filter sites based on aquifer?.....	3
9 What keywords can be used and how are they applied?.....	3
10How do I remove individual sites from the site cart?.....	4
11Can I select and remove several sites from the site cart at one time?.....	4
12Can I save my site cart?.....	4
13Why does print preview not show just selected sites and identifiers?.....	4
14Can I customise the site names and identifiers that are displayed for sites, and the zoom levels at which they appear?.....	5
15Can I obtain data by project (sampling program)?.....	5
16Can WIR store my contact details so I don't have to provide them each time?.....	5
17Can I select and run more than one report at a time?.....	5
18Can I obtain water level plots (hydrographs) through WIR?.....	6
19Can I obtain point data for the plots (hydrographs) displayed under pre-computed reports?.....	7
20Can I obtain bore licensing information from WIR?.....	8
21How often are the WIR reference codes and other metadata updated?.....	8
22Why have I not received an email confirming that my request has been submitted?.....	8
23I have received the confirmation email but why have I not received the following email with the data?.....	9
24If my report just contains headers but no data, does it indicate that the report has failed?.....	9
25Can I obtain all of the telemetered data for a site?.....	9
Contact information.....	10



# Frequently asked questions

## 1 How current is the data in WIR?

This depends on the type of data. The WIR warehouses are refreshed on a nightly basis.

- For discrete (WIN) data, this means that the data will be at least one day old; that is, it was entered into WIN on the previous day. This does not mean that it was *collected* on the previous day, because there is usually a lag of days or weeks between the time data is collected and the time it is *captured* into the database.
- For time-series data loaded into WIR:
  - Archive data will be available the day after it is archived. Again, this does not mean the data itself relates to the previous day. Data may be weeks or months old before it can be verified and archived.
  - Telemetry data is not currently loaded into WIR.
- For time-series data that is loaded to the pre-computed report folders:
  - Archive data is available the day after it is archived, the same as for WIR data.
  - Telemetry data is loaded at least hourly (only the last six days of data). This consists of plots and CSV files.
- Site and borehole information is available the day after it is loaded into Hydstra.

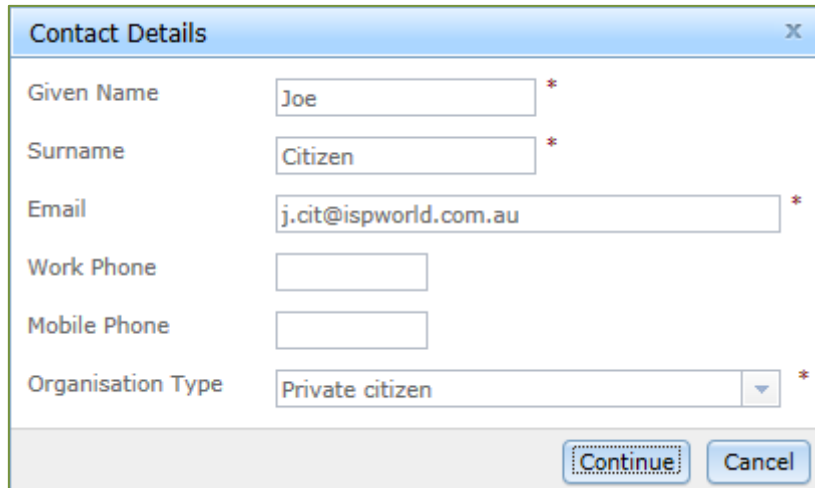
## 2 Is there a cost?

No, data is provided as a free service to promote community engagement in water management.

## 3 Are there any known system issues?

No.

However, a previously reported issue occurred when using the Site cart to request data. Intermittently, the system would not progress past the Contact details screen, shown below:



Given Name	Joe *
Surname	Citizen *
Email	j.cit@ispworld.com.au *
Work Phone	
Mobile Phone	
Organisation Type	Private citizen *

Continue Cancel

The Continue button could be clicked but the Request details screen did not open. We believe this issue is now resolved. However, because of the intermittent nature of the problem it may reoccur under certain conditions (such as browser upgrades). If so, the solution is simply to refresh the browser by pressing **F5**. You may need to repeat this action, but you should then be able to proceed to the Request Details screen.

## 4 How long will it take for my data to arrive?

The time taken for data delivery will vary from minutes to hours, depending on the size of your request and the number of requests already in the queue (requests are processed automatically on a first-come-first-served basis). If your data does not arrive within one working day, please contact the department for further advice and assistance:

Email: [wir@dwer.wa.gov.au](mailto:wir@dwer.wa.gov.au)

In due course you will receive your data or notification about its delivery

## 5 What browsers are compatible?

Browser issues: WIR is designed to run on Internet Explorer 6 to 9. Other browsers may have compatibility issues and may not function as expected.

Known issues include:

- Firefox: when zooming to filtered sites, site symbols may not refresh properly and remain large and pixelated
- Safari: opens links in new windows instead of tabs.

## 6 When can I use WIR?

Hours of availability: Business hours Monday to Friday, but is also generally available after hours and on weekends. WIR is down for maintenance between 3:00am to 6:00 am AWST each morning

## 7 Can I apply advanced site filtering based on criteria such as particular variables or numbers of measurements?

No, only elementary filtering was able to be provided for this version of WIR. Advanced filtering is planned for a future release. You are welcome to provide feedback on the types of filtering you need and we will investigate their feasibility.

## 8 Can I filter sites based on aquifer?

Not directly in this version of WIR. However, you can download the full\_site\_listing.xlsx file from the WIR [Help and References](#) page and filter on the 'Aquifers (DOW)' or 'Aquifers (As reported)' columns to create a site list that can then be loaded into the Site Cart (refer to User Guide for details). Note that:

- the 'Aquifers (DOW)' column contains official Department of Water and Environmental Regulation aquifers and holds most of the aquifer information
- the 'Aquifers (As reported)' column contains aquifer names as reported in third-party hydrogeological reports or bore licencing forms and may not relate to official department aquifers
- NOTE: screened aquifers have not been identified for all bores:
  - only 45% of department bores have aquifers details
  - only 2% of non-department bores have aquifer details

## 9 What keywords can be used and how are they applied?

A complete listing of WIR sites is available from the WIR [Help and References](#) page (full\_site\_listing.xlsx), and this will enable you to see the contents of fields that are used for filtering, and therefore the keywords that can be used. The actual fields searched include the following (all fields are searched, for any occurrence of the keyword within the field):


WIN Site Id; Default Site Reference; Default Site Context Name; Default Site Name; Other Site References; Other Site Names; River Basin; Site Purpose

Current; Infrastructure Status Current; Projects; Catchment; Estuary; Local Landmark Name; Local Govt Authority; Locality; BOM Rainfall District; Groundwater Province; Groundwater Area; Groundwater Subarea; Surfacewater Area; Surfacewater Subarea; 1:250,000 Map Index.

## 10 How do I remove individual sites from the site cart?

Click the site you would like to remove from the cart by selecting it in the site cart. The site's identifier popup window should appear on the map window. Click the "remove from cart" link within the window and then close it. Repeat these steps to continue removing individual sites from the cart.

## 11 Can I select and remove several sites from the site cart at one time?

Yes. Use Shift-click to select contiguous sites, or Ctl-click for noncontiguous site, and then click on the Remove Selected Sites button. 

## 12 Can I save my site cart?

Your current site cart will be automatically saved as cookies in your browser (if they are enabled) and will be reloaded the next time you use WIR. However, this will be lost if you delete your browsing history. There is no direct functionality to save the cart and reload the cart. However, you can run a report (such as site details) and save the CSV list of sites that is provided with the report for reloading into the cart at another time, by using the import cart function.

## 13 Why does print preview not show just selected sites and identifiers?

The print preview functionality that was able to be implemented in WIR was constrained by limitations with current mapping software. A future upgrade of the software will allow a richer print previewing service to be built. In the interim, it may be more useful to take screen snaps of the interface for printing.



## 14 Can I customise the site names and identifiers that are displayed for sites, and the zoom levels at which they appear?

No. These settings are fixed within the application and cannot be changed by users. Only the default site references are displayed. They appear at Zoom 13. The zoom level cannot be changed, and site references cannot be turned on or off at will.

## 15 Can I obtain data by project (sampling program)?

Not directly in this version of WIR. However, you can do so indirectly by using the project code as a site filter keyword (e.g. "SG-E-SWANEST"), and adding the resultant sites to your site cart. Then run your report and use Excel filtering on the Project Code column to exclude any samples not collected for the project. A list of projects and their codes and descriptions is available from the WIR [Help and References](#) page.

A future release of WIR will include data extraction by Project.

## 16 Can WIR store my contact details so I don't have to provide them each time?

No. This feature was not able to be provided for this release. It will be addressed in a future release.

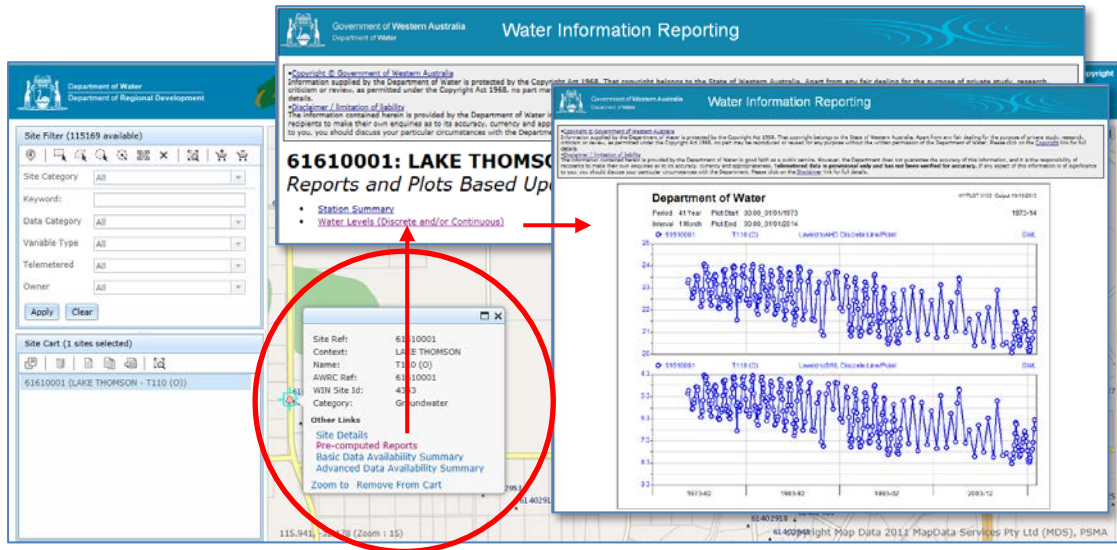
## 17 Can I select and run more than one report at a time?

No. Only one report can be run at a time. However, when the dialog appears advising that your request has been submitted, you can click Continue to return to the request details screen and submit another report.

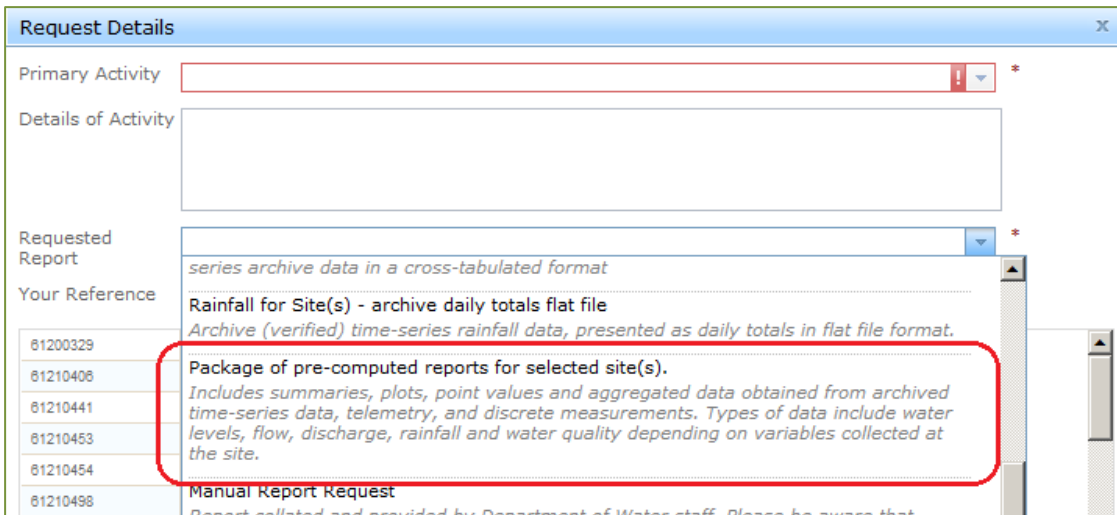
# 18 Can I obtain water level plots (hydrographs) through WIR?

Yes, through the pre-computed report store. This is available in two ways:

- 1 As a link in the site identifier popup window of an individual site, e.g.



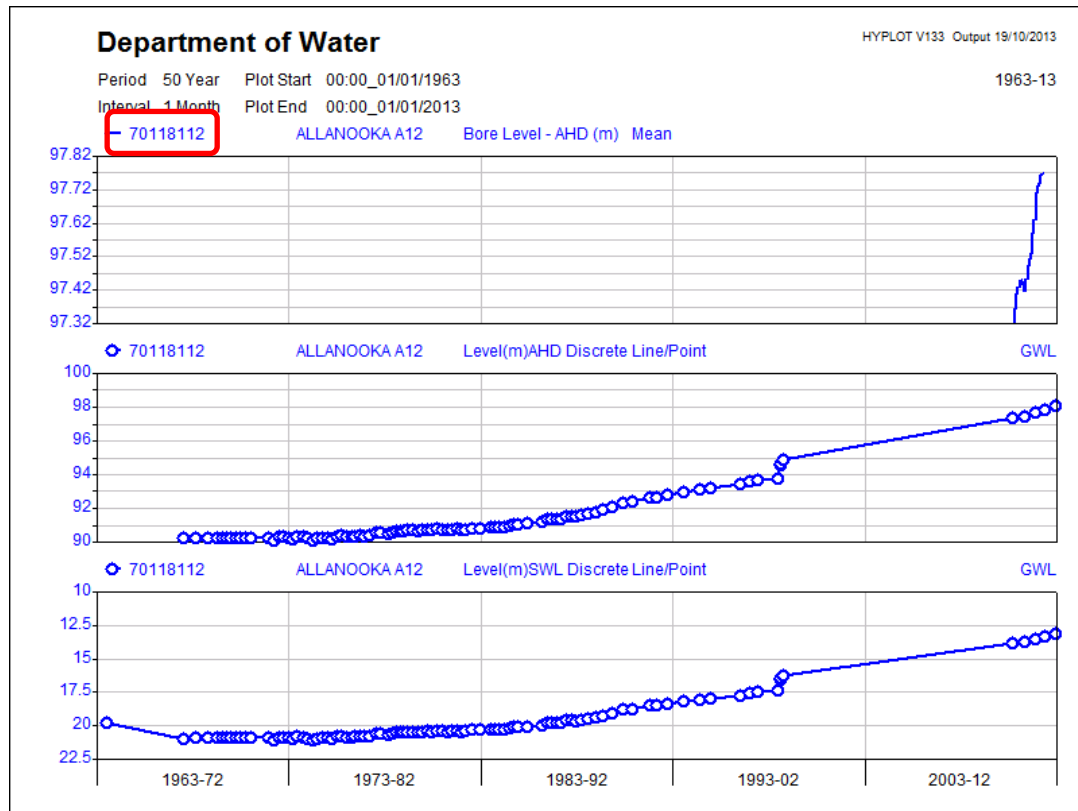
- 2 As the 'package of pre-computed reports for selected site(s)' available from the request details screen



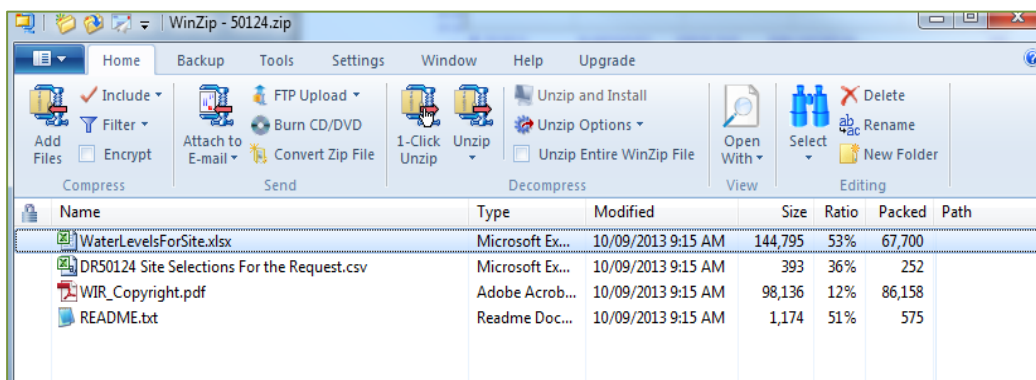
# 19 Can I obtain point data for the plots (hydrographs) displayed under pre-computed reports?

Yes, by running a data report.

Example using the pre-computed plots for site 70118112:



- 1 Add the site to the cart (e.g. 70118112) and submit a data request.
- 2 Request report “Water Level / Flow for Site(s) cross-tabulated (or flat file)”
- 3 A report “WaterLevelsForSite” will be sent to you by the system.



- 1 This report will contain all the water level data for the site. For the example above the file will include:
  - a) Continuous logger recorded data:
    - Groundwater Level (AHD) – daily max

- Groundwater Level (AHD) – daily mean (as displayed in the plot)
  - Groundwater Level (AHD) – daily min
- b) Discrete point data:
- Water Level (AHD)
  - Water Level (GL)
  - Static Water Level
  -

## 20 Can I obtain bore licensing information from WIR?

No, WIR does not hold licensing information. Please refer to the [Water register](#) on the Department of Water and Environmental Regulation website for this information.

## 21 How often are the WIR reference codes and other metadata updated?

Reference codes, variables and analysis methods are updated on a frequent basis. Listings are re-published daily, and you are encouraged to download the latest versions when referring to them. Explanatory notes and metadata change infrequently and are only re-published when changes occur. You are welcome to download them at any time.

## 22 Why have I not received an email confirming that my request has been submitted?

There may be several reasons why you have not received a confirmation email, for example:

- you mistyped your email address during the checkout process
- the department may be experiencing technical issues with email delivery.

Note that if you have not provided sufficient or correct contact details we may not be able to let you know that a problem has occurred.

Please contact one of our water information officers for further advice (refer to Contact Information.)

## 23 I have received the confirmation email but why have I not received the following email with the data?

The requests work in a queue system that operates on a “first come, first served” basis. Therefore all other requests received prior to yours will be served first and depending on the size of these requests it could mean a short or a long waiting period before you receive your data. If your data has not arrived by the following working day, please contact one of our water information officers for assistance.

It could also be the email has arrived but been automatically moved to junk emails. Please check that folder.

Another possibility is that your service provider or organisation has a limit on the size of emails that can be received. WIR data sent by email has a maximum size of 10MB. If this exceeds your allowable limit, contact one of our water information officers and we will place the data on our FTP server for you to download (refer to Contact Information.)

## 24 If my report just contains headers but no data, does it indicate that the report has failed?

An empty report generally indicates that there is no data for the site(s) selected, or the date range, or the specific type of report you have requested. Check the Data Availability Summaries for the site(s).

## 25 Can I obtain all of the telemetered data for a site?

No. Telemetered data is unverified. The last six days of telemetry data is provided as a general-interest community service only, to *indicate* recent site conditions.

## Contact information

Our water information officers can be contacted during office hours,  
Monday to Friday 8:30 am to 5:00 pm:

**Email:** [wir@water.wa.gov.au](mailto:wir@water.wa.gov.au)

Alternatively, contact Reception:

The Atrium, Level 6

168 St Georges Terrace, PERTH WA 6000

PO Box K822, PERTH WA 6842

**Phone:** (08) 6364 7600

**Fax:** 6364 7601

**Email:** [Atrium.Reception@water.wa.gov.au](mailto:Atrium.Reception@water.wa.gov.au)