Waterloo Hydrogeologic
a division of
Nova Metrix Ground Monitoring (Canada) Ltd.
219 Labrador Drive - Suite 201
Waterloo, ON, Canada N2K 4M8
Tel: +1 519 746 1798
Fax: +1 519 885 5262
www.waterloohydrogeologic.com

Contents

What's New in Hydro GeoAnalyst (HGA) 14.0 2
Cloud databases 2
Bulk data import 3
Plotting 4
Usability and Other Enhancements (HGA) 5
Usability and Other Enhancements (HGA+) 5
Trend Analysis module (HGA+ only) 5

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What's New in Hydro GeoAnalyst (HGA) 14.0

Cloud databases

New HGA projects can now store their project database in the cloud

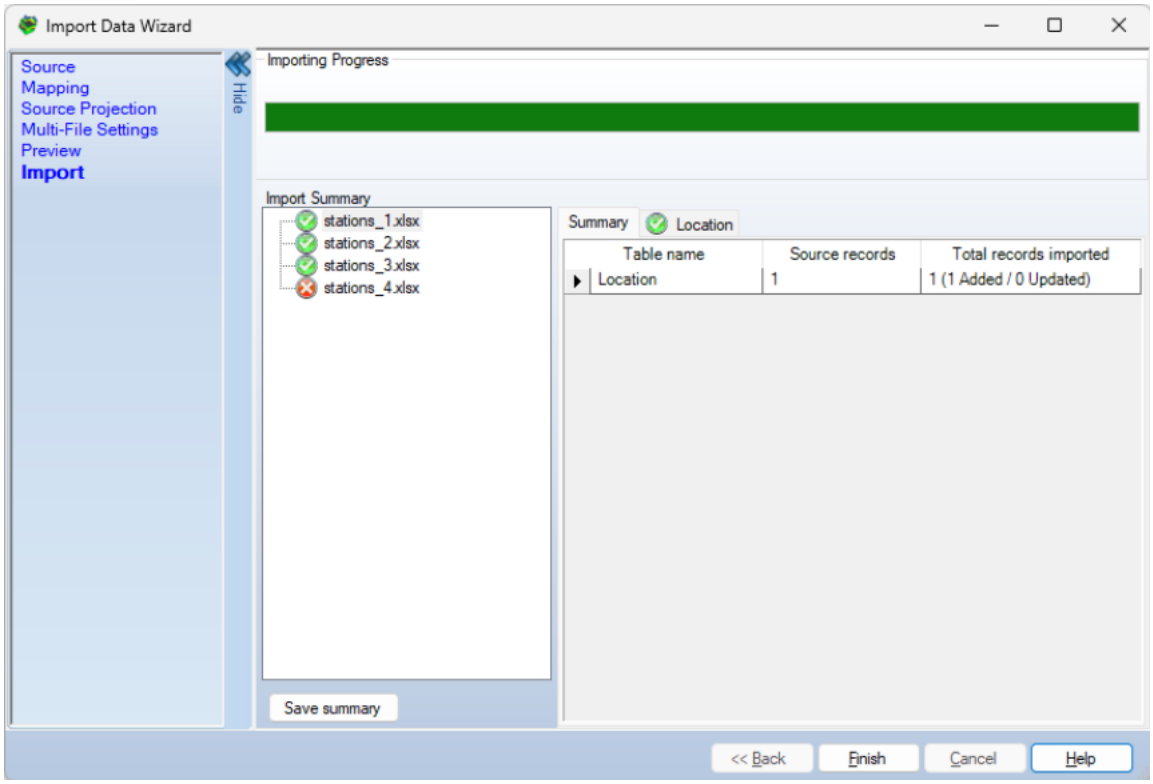
- Collaborate anywhere: Cloud databases can be accessed by any of your team members with an internet connection and HGA installed
- Seamless setup: Simply specify host details and provide credentials – your HGA workflows are otherwise exactly the same
- Highly compatible: Projects can use managed database services such as AWS, Azure, and Google Cloud, or on your own web servers

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Bulk data import

Multiple data sources can now be imported at once using the same mapping

- General bulk data import: Simultaneously import many spreadsheets of single-table data, such as lithology data or sample data
- EDD bulk import
- Robust processing: Bulk import smartly rejects incompatible and incorrectly formatted data, speeding up data management workflows and simplifying QA/QC

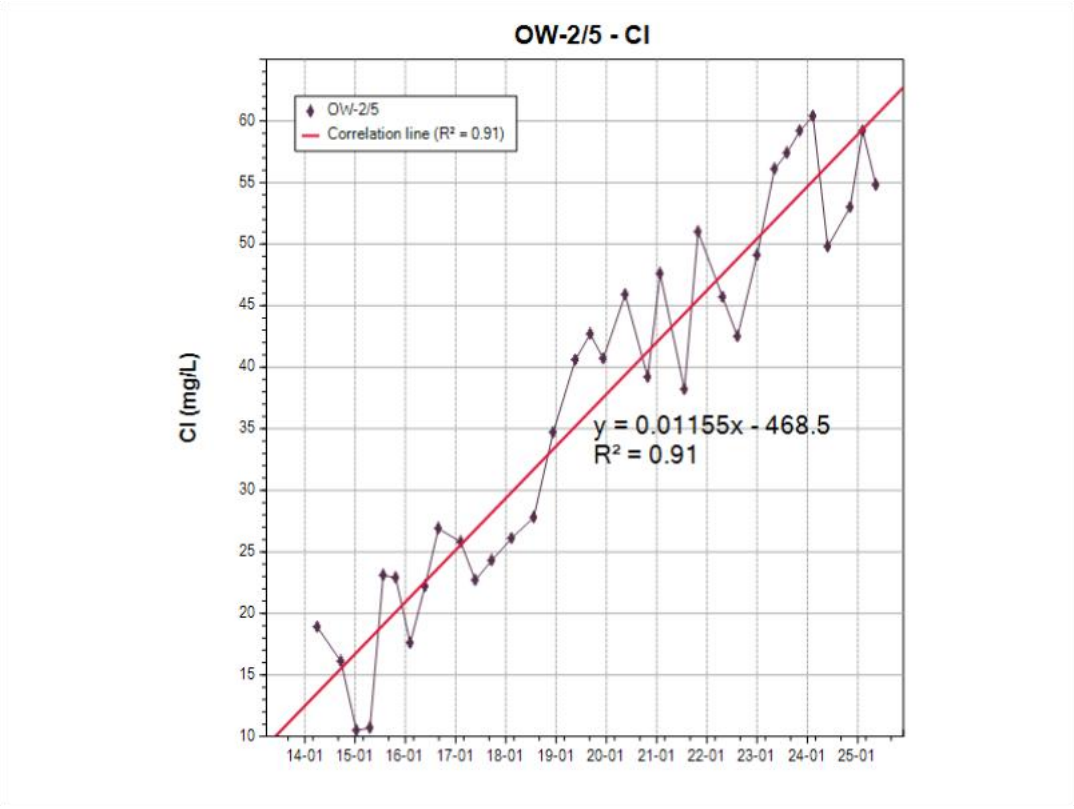


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Plotting

Plots have received numerous upgrades:

- Linear regression lines: Linear regression lines may now be automatically calculated and plotted on Scatter and Time Series plots in the Lines tab
- Faster symbology changes: The applied symbol group can now be changed directly from the plot settings window in the new Symbols tab
- Labeled lines: Lines can be given arbitrary labels or take label data from calculated linear regression lines
- Configurable legend locations: The location of the legend can now be customized



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Usability and Other Enhancements (HGA)

HGA and HGA+ include the following additional enhancements:

- Data associated with stations can now be compared and moved/copied between stations using the new Compare tool
- Lists in the List Editor module can now be filtered (like other tables can)
- Improved interface for assigning values to DateTime data in tables
- HGA modules now use a more efficient architecture for storing data, reducing the likelihood of SQL object limit errors

Usability and Other Enhancements (HGA+)

HGA+ includes the following additional enhancements:

- Modeled and Calculated parameter results may now be exported from the Sample Report module
- Sample analysis result metadata (such as precision, result comments, etc.) may now be exported from the Sample Report module
- Water quality standards may now be exported
- The Sample Analysis Viewer module is now sortable
- Newly created parameters can now be updated from the Parameter Calculator by default
- Durov/Piper diagram titles no longer list all parameters by default
- Box-and-Whisker plots can now be labeled with the number of samples and non-detects in each data series.

Trend Analysis module (HGA+ only)

The new Trend Analysis module has been added, allowing you to perform statistical analyses on time series data

- Tests and analyses supported:
  - Linear regression
  - Sen's slope estimator
  - Spearman rank correlation
  - Mann-Kendall test
  - Seasonal Mann-Kendall test
- Trend analyses may be exported as spreadsheets or automatically plotted in time series graphs