

# Grapher 21 New Features

From the new Graph Gallery and Plot Previews features, to connect existing worksheets to new data sources; the latest Grapher Beta is focused on new ways to more easily work with your plots and data.

## **Viewing and working with projects and data**

### 1. Graph Gallery

Grapher is first and foremost a visual communication tool; but selecting what you want to work with from a long list of file names doesn't really show what you're looking for. The new Graph Gallery allows users to search and filter compact views of plots without needing to open the full projects files.

You can also build custom sample galleries from your own projects and use these as templates for future work or share with colleagues.

*Visually search, sort and filter through compact views of sample plots to discover possibilities within Grapher.*

## 1. Plot Previews and Print Preview

Plot previews are now available in Windows Explorer. Turn on the Preview pane in Windows Explorer to see previews of your GRF, GPJ and GRT files.

Print previews are also now available. See exactly what you'll print, before you print it! A new "View" print method also lets you print only what is displayed on the screen; handy for printing specific, zoomed-in portions of a plot.

*Preview pane in Windows Explorer shows previews for GRF, GPJ and GRT files.*

*Print Preview option using the new 'View' method*

## 1. Thinned Plot

Customizing the design of a plot can take a lot of time when working with large datasets. The new Thinned Plot command under Graph Tools lets you reduce, or "thin" the data shown in a plot; dramatically reducing the amount of time spent editing, formatting, moving and resizing the plot. Once you're happy with the design, turn off Thinned Plot and the plot will be drawn with the full set of data.

*Original dataset of 1 million records.*

Thinned Plot applied to the dataset of 1 million records.

### 1. Worksheet Remapping

Users often work with different versions of data that are in the same format. For example, streamflow data for a different time period; but the new data is still formatted exactly the same as an earlier version. The new “Remap Worksheets” command allows users to navigate to new/update data sources and assign them to an existing worksheet.

When a new file is linked all associated objects (plots, axis, text, etc.) are automatically updated using the new data.

## **General Improvements**

### 1. Cleaned up Home tab

Grapher’s Home tab was getting a little messy so we’ve cleaned things up a bit. The ‘Add to Graph’ section has also been removed since same tools are already available under Graph Tools.

## 1. Graph type groupings

The graph types have been put into more sensible groups. You can now also quickly select recently used plots.

## 1. Graph Wizard improvements

It's now much easier to browse and select the data source and to preview the selected plot type before it is generated.

## 1. And more...

- The Graph Tools tab is now always visible.
- Defined Custom Fit/Define Fit Equation dialog has been improved.
- Auto Redraw behavior is now consistent with the same setting in Surfer
- Page tabs within a project can now be re-ordered.
- Ability to rename bar/histogram groups.
- Draw

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