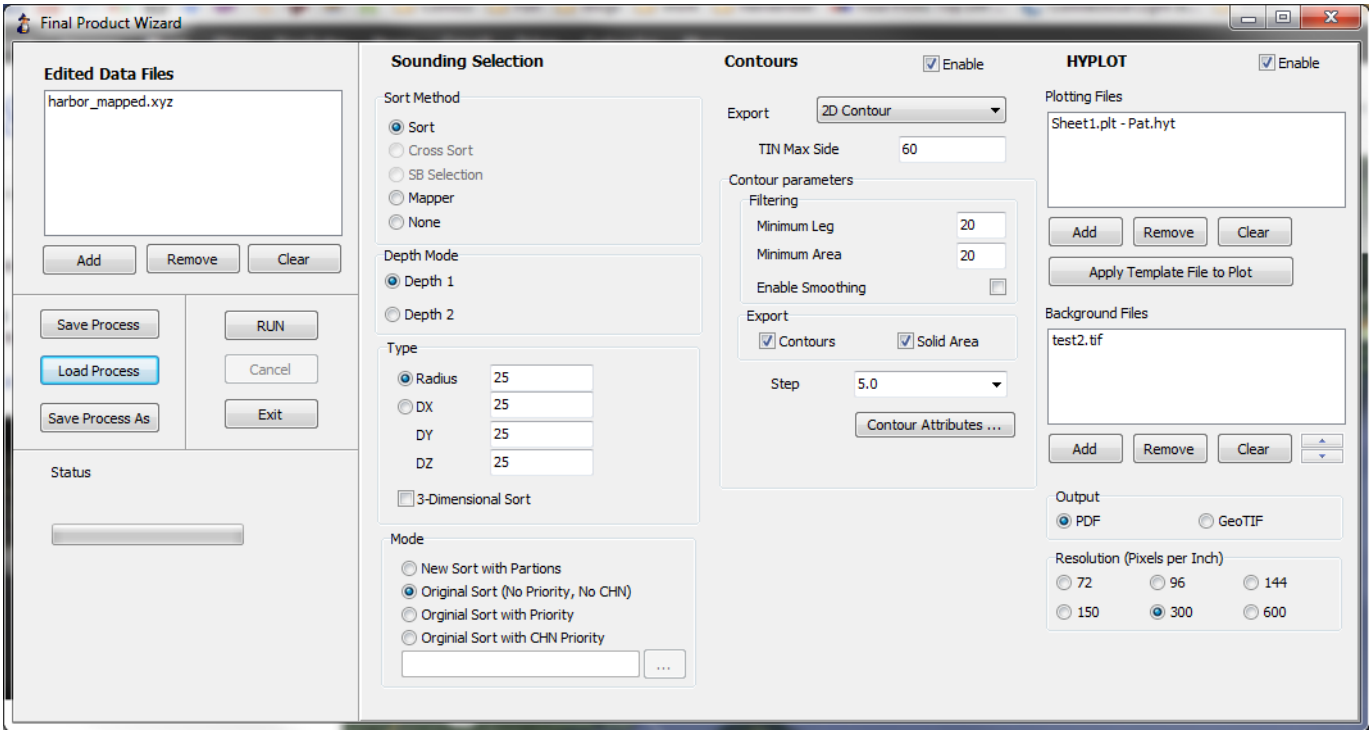
# Final Product Wizard

By Ken Aiken

Final Product Wizard is a program in development for 2014 to quickly create a finished plot for export. It enables you to sort your data, use that to create a DXF contour file and then export it to either a georeferenced PDF or Geo-Tif. The program reads edited All format, XYZ, HS2 and HS2x files.

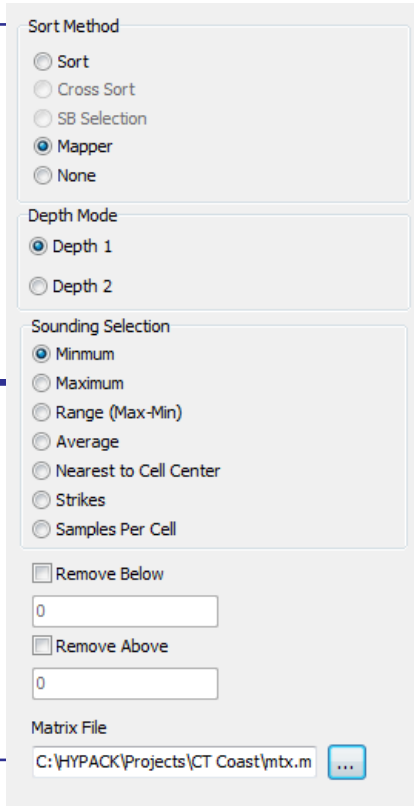
***FIGURE 1.*** *Final Product Wizard*




## SOUNDING SELECTION

Once the wizard reads your data, you can choose any of 4 different HYPACK® sounding selection methods—SORT, CROSS SORT, SINGLE BEAM SELECTION and MAPPER—with most of the usual options that you would have in each of these programs on their own.

***FIGURE 2.*** *Sort Methods*

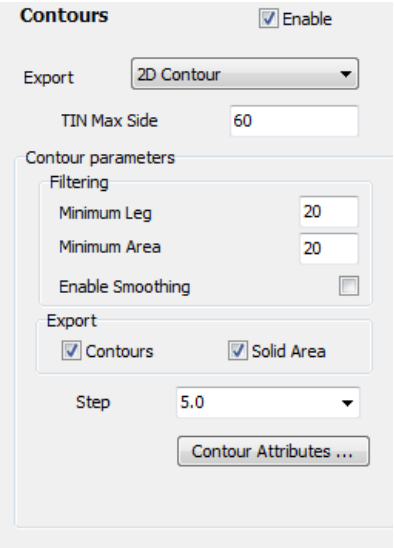



Note that *you can only use sounding selection methods that would normally work with your file type of choice*. So, for example, SORT won't work with HYSWEEP® files, and CROSS SORT and SB SELECTION will only read edited All files. You may also choose not to sort your data at all. The program then saves all sorted or unsorted data in the project sort folder as sort.XYZ.

## GENERATING DXF CONTOURS

From the sort.XYZ, you can create a DXF contour file. For ease and familiarity, the program uses the same layout, options, and method you would use exporting DXF contours from the TIN MODEL program. For this reason, you still need to have an idea of the spacing between the sorted XYZ points for the TIN Maximum Side. The contour file is saved to the project sort folder as sort.DXF.

***FIGURE 3.*** *Setting Contour Parameters*



# PLOTTING YOUR DATA

Once the program has generated one or both files (sort.XYZ and sort.DXF), you can plot your newly created files to a geo-TIF or georeferenced PDF.

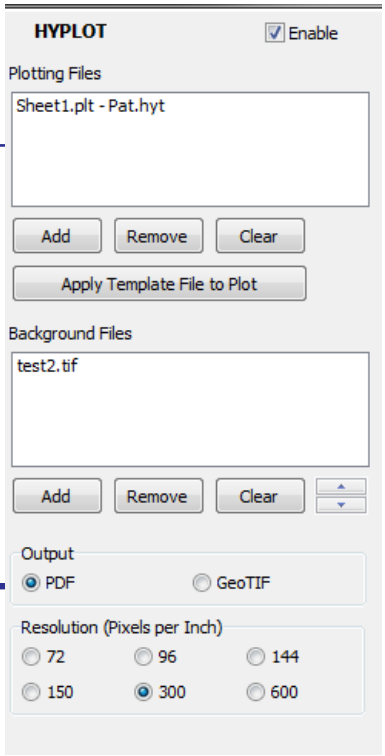



***FIGURE 4.*** *Plotting Options*

Select one or more plotting sheet (*.PLT) files. Once they are added, you can then apply a HYPLOT template. Select one or more files in the list box and then click [Apply Template File to Plot]. You may also add multiple background files to be plotted with your data files.

Now you're ready to plot. Select the resolution of the exported PDF or TIF file. Your exported file will be saved in the project folder using the same file name as the PLT file and using PDF or TIF extension.

# SAVING YOUR PROCESS

Once you are satisfied with your set up, you can then save the process to an auto-Final Products file (*.AFP). This will allow you to quickly reuse the same wizard settings for multiple projects by reloading the file.

**To reuse the process in the same project**, all you have to do is load the process, clear out the data files and plot files, then add your new ones for processing.

**To use one process for multiple projects and data sets**, you can load up all of the settings with the exception of the data files and plot files and save the process. Then you can then use that process as a template in the future to make the processing of the data fast and easy.