



Getting Your Dredge Data From Your Matrix

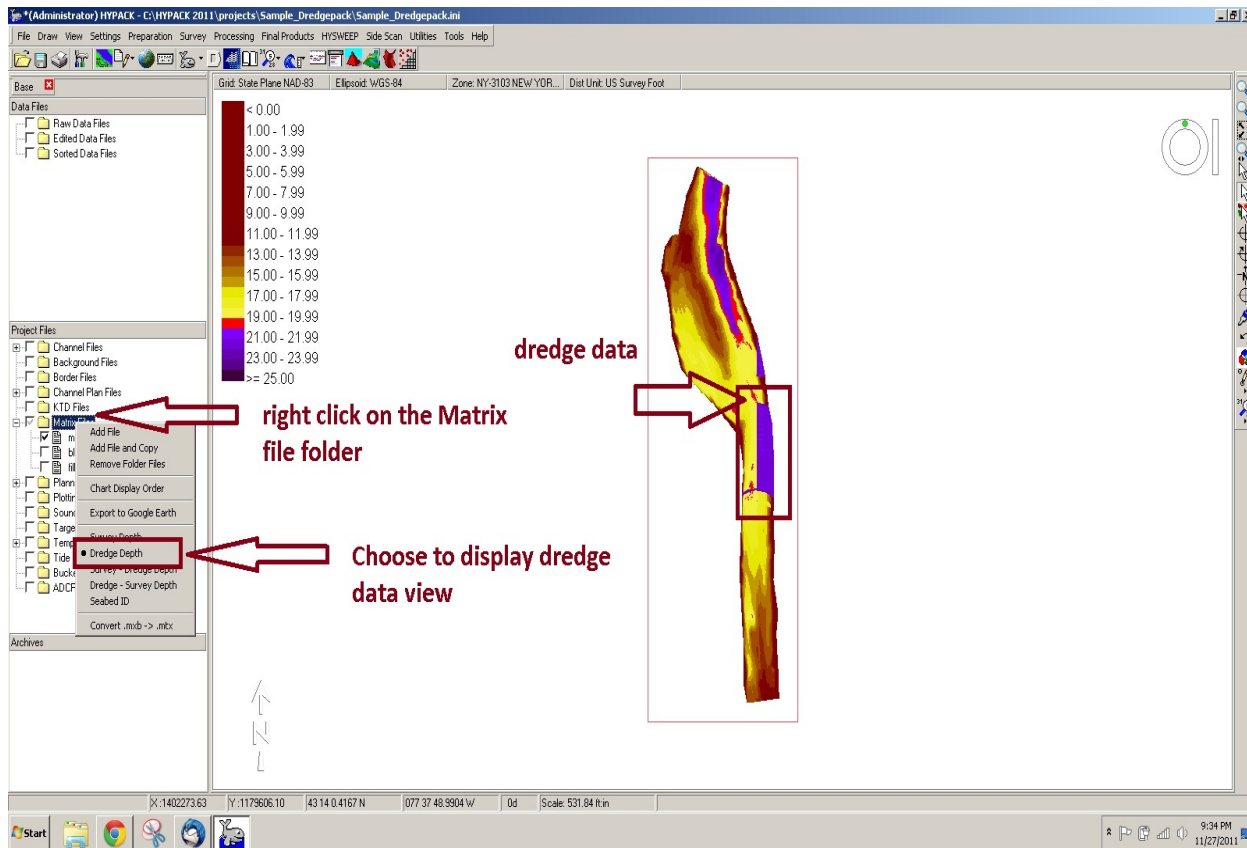
By Bob Glover

Someone once asked me how they could get the data out of their dig matrix. Built into the HYPACK® Shell is an easy feature to export a XYZ file containing the data from the matrix.

A HYPACK® matrix file holds the X and Y coordinates for each cell in the matrix, as well as the Z value. After a matrix is used in DREDGEPAK® it will also contain a second, updated Z value. This value will be added to the matrix by whichever device has been chosen to record depth and update the matrix in the hardware setup.

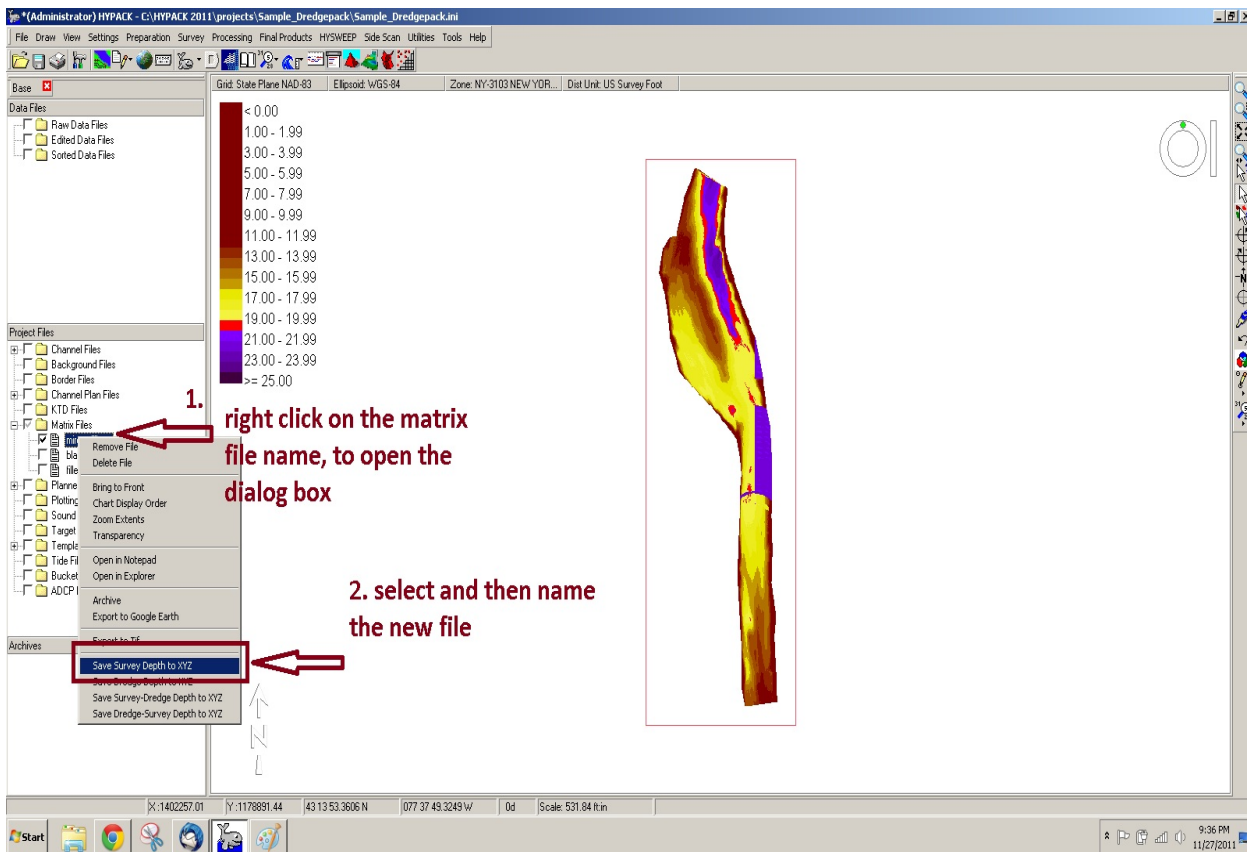
In the HYPACK® shell either view of the matrix can be displayed on the screen. A right-click on the matrix file folder will open a dialog box where you can select which matrix view you would like displayed. Once the correct display has been selected, the matrix on the screen will update according to your selection. In our example, we see the dredge data.

FIGURE 1. Choosing the Display Depth in the HYPACK® Shell



To export out either Z value, it is as simple as right-clicking on the matrix name, and then selecting the value to be exported. A new dialog box will open for you to name the new file. It will be saved, by default, into the project's folder.

FIGURE 2. Exporting Your Matrix Data to an XYZ File



To open the XYZ file in HYPACK®, right-click on the sorted data files folder and choose Add File. The new file will now be loaded into the shell ready for use. The new XYZ file can be used with all of the HYPACK® programs and features that support XYZ files.

If you have any questions or comments regarding this procedure please feel free to contact me at bob@hypack.com.