

Sub-bottom Digitizing Updates

by Sanja Trifone

Two new updates have been added to the SUB-BOTTOM DIGITIZING, or “SBD,” program. The first new feature allows you to create a file that allows the sub-bottom scan data to be imported into the CROSS SECTIONS AND VOLUMES (CSV) program. The second feature allows you to import Layers and Targets.

Importing Sub-bottom Data to CROSS SECTIONS AND VOLUMES

SBD needs to prepare the data before it can be loaded into CSV. By clicking the ‘CVV Output’ button (see the Device Setup window shown below), SBD performs its computations and saves the results to a *.CVV file (one file for each input file) in the Project’s ‘CORE’ folder.

Figure 1 shows the *CVV Output* button circled in red.

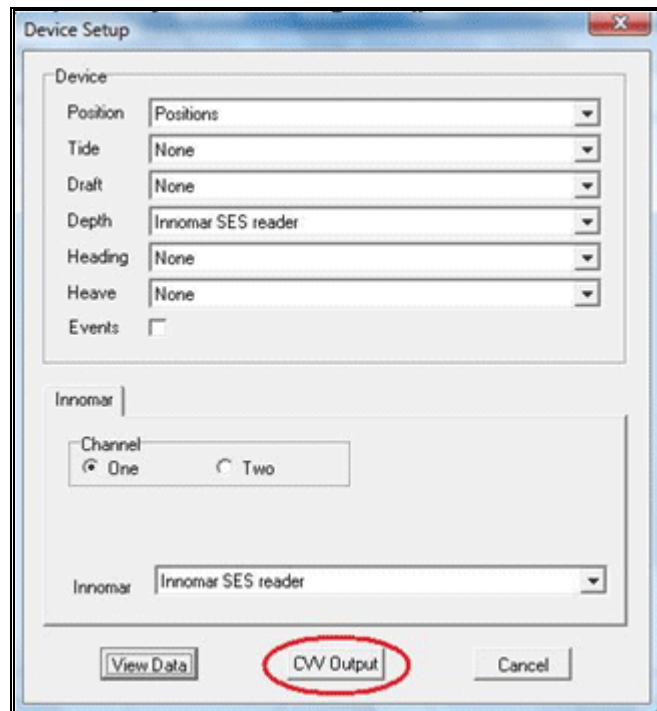
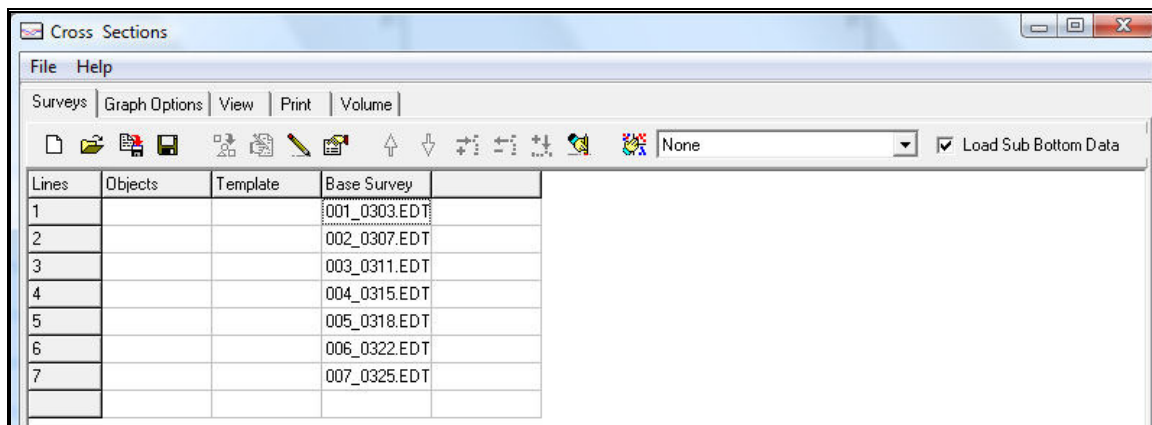
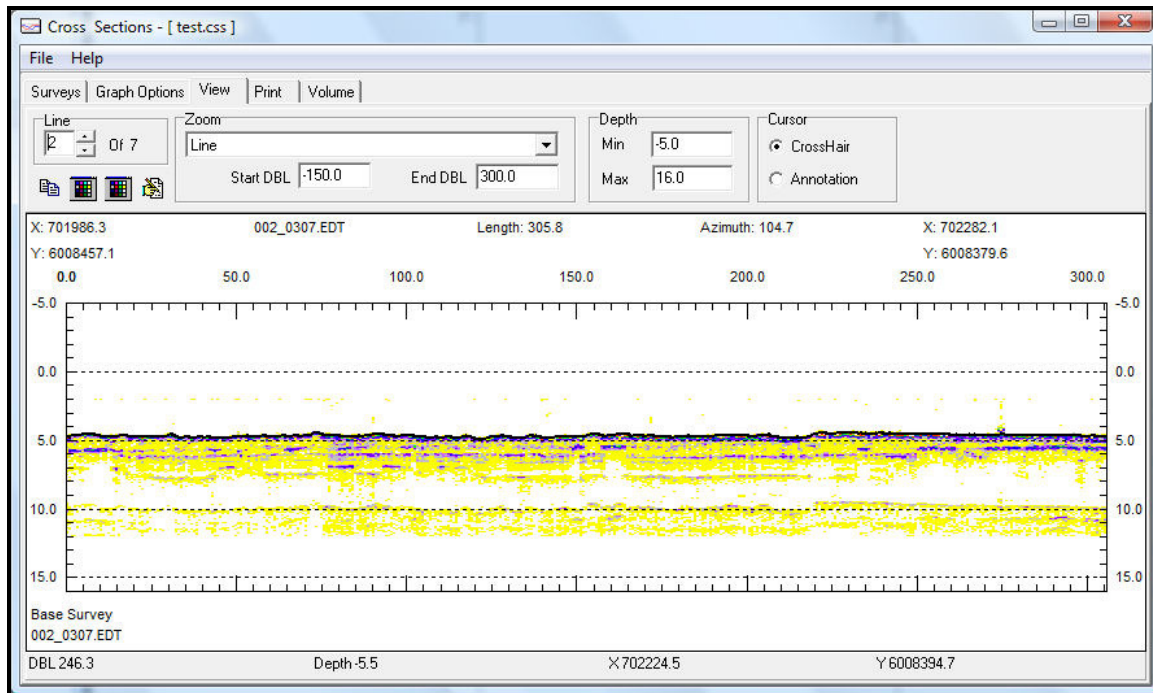


Figure 1

To load the sub-bottom data into the CSV display, click the ‘Load Sub Bottom Data’ check box on the right-hand side of the icon bar.



The sub-bottom data will then be drawn at a true horizontal scale in your cross-section graph. (See graph below.)



You can also make CVV files after you have loaded the data files into the SBD program. Click the *Make*.CVVFile* button located to the far right of the icon bar (in the left side of the red circle in the screen capture below). The progress bar on the right will show the progress of the .CVV file that is being created. The .CVV file will be located in the CORE folder of the current project, just as it would have been in the former option given.

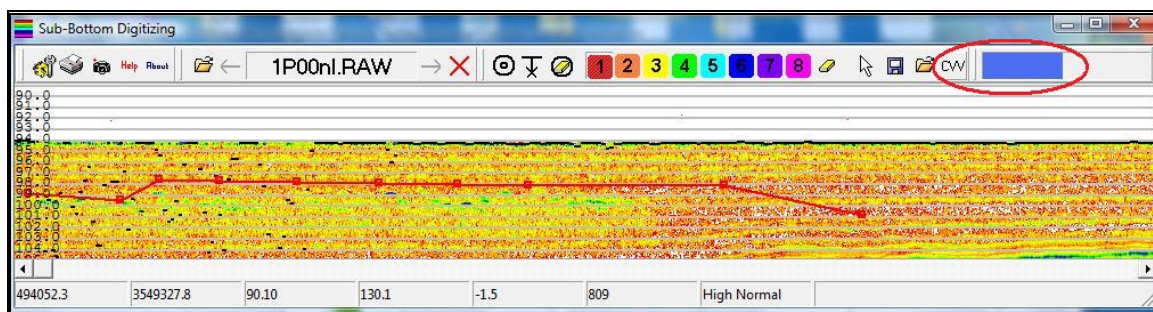


Figure 2

Importing Targets and Layers to SBD

The second new feature added to the SBD program is that you can import Targets and/or Layers from the SURVEY program.

To import Targets, click on the *ImportLayersTargets* button, and select the *.TGT file with the desired Targets. Targets can be imported only if one of the Target buttons (*Target*, *DepthTarget*, *EraseTarget*) is selected. Targets will be accepted only if the targets are within the maximum distance from the survey line.

Figure 3 shows Max. Distance circled in red.

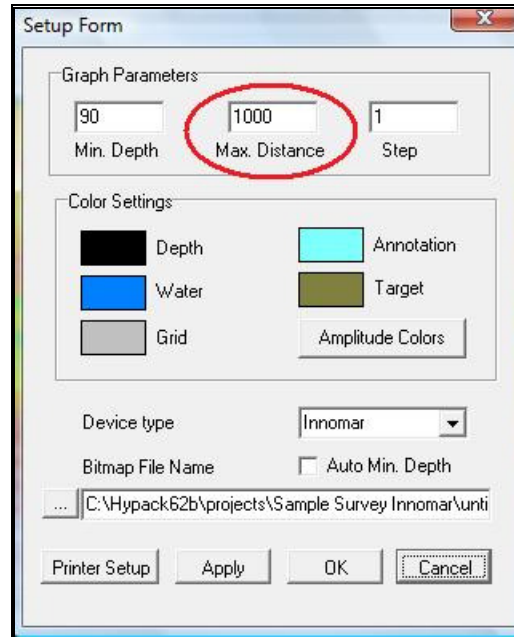


Figure 3

You can import layers if one of the Layers buttons (*LayerOne*, *LayerTwo*, etc) is selected. After you click the *ImportLayersTargets* button, you can select the desired *.LOG file to be added from the EDIT folder of the current project for layers. Only points that are within the maximum distance from the survey line will be accepted in the selected layer.

Figure 4 shows the *ImportLayersTargets* button circled in red.

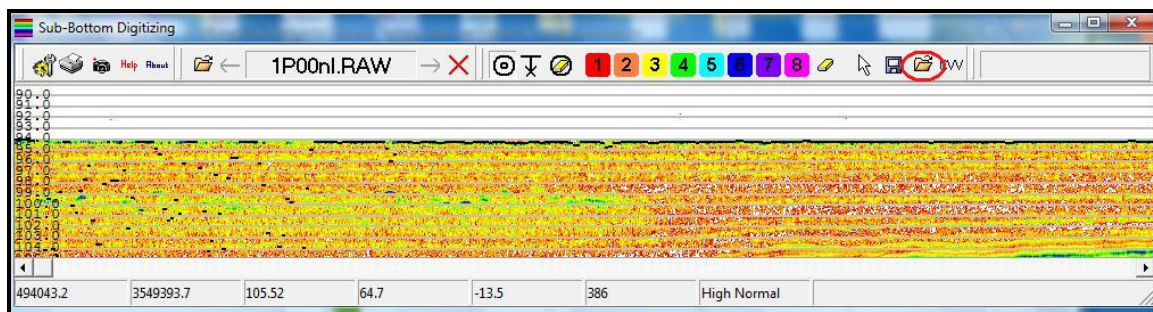


Figure 4

These were the most recent SBD updates. In the future, we hope to implement more Sub-Bottom packages, other than Innomar and Strata, which are currently supported in the SBD program. ☺