

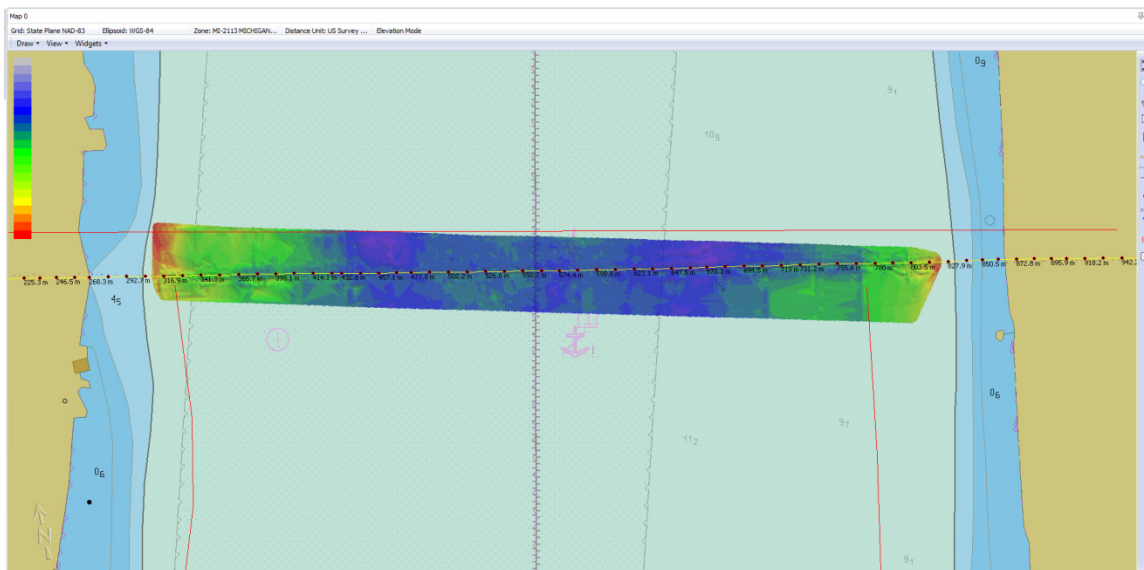


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Extracting Specific Points from a TIN MODEL Dataset

By Jerry Knisley



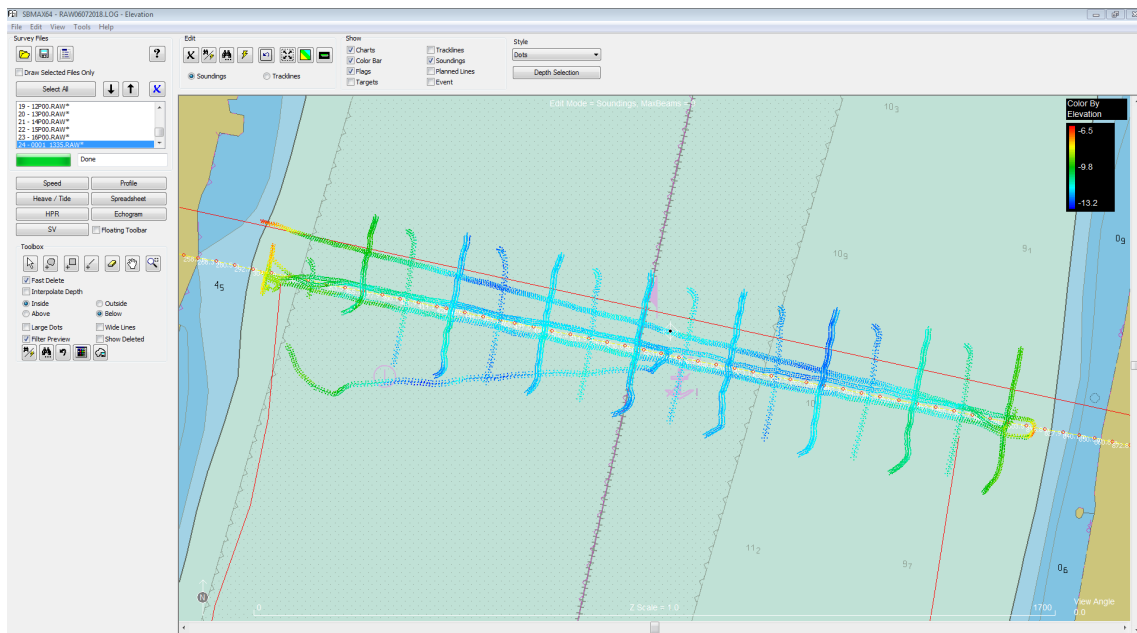
On a recent job, a survey was conducted and the customer required the depth at specific points along a pipeline. To achieve this, there is a tool in the TIN MODEL program that enables you to extract the depth at user-defined XY points.

FIGURE 1. The pipeline survey was conducted using the HYCAT with a SonTek M9 HydroSurveyor.



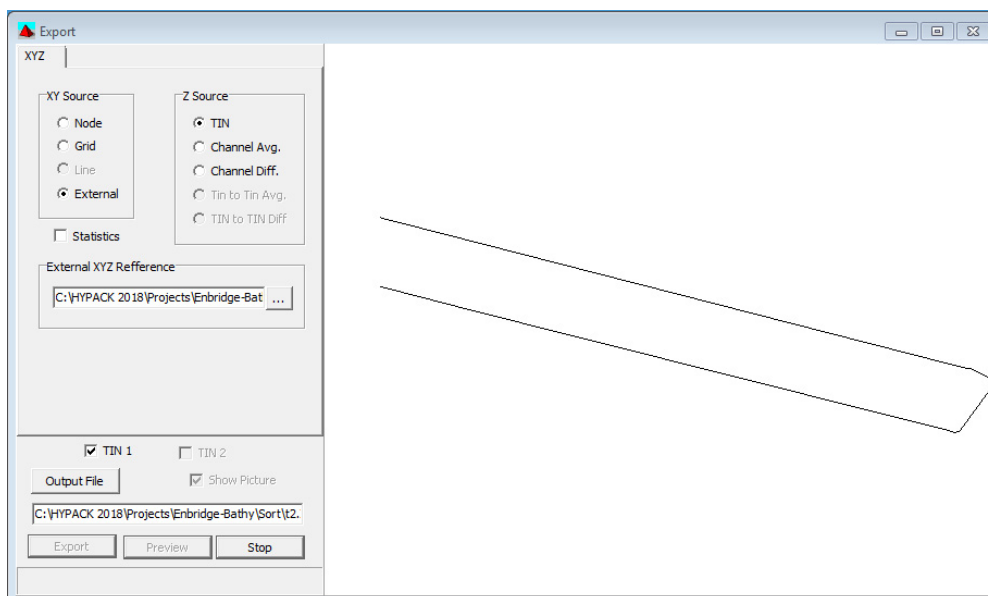
The survey was processed with SBMAX64 (the 64-bit SINGLE BEAM EDITOR) as shown in Figure ?.

FIGURE 2. The Survey in SBMax64



A TIN model was then created with the edited data. In the TIN MODEL EXPORT-XYZ dialog, there is an option to provide an External XYZ Reference. This is where you load an XYZ file with XY coordinates of each position where you want to extract the TIN elevation.

FIGURE 3. Loading XY Locations where TIN MODEL Exports



The output file provides the TIN elevation at each XY position in the reference file.