

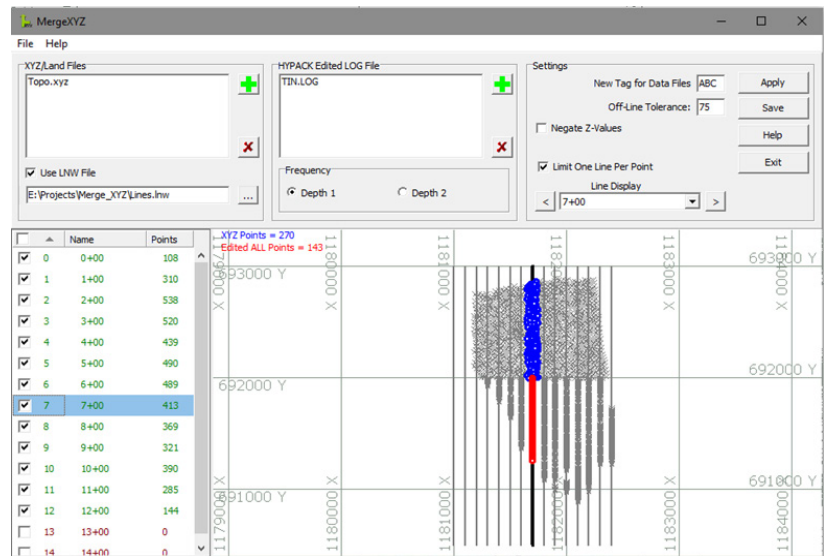


MERGE XYZ

BY KEN AIKEN

Merge XYZ is a program to combine data files with planned lines and/or edited single beam data. It was built to replace the old remap utility with some more functionality.

There's a few ways to use it but they all require a planned line from either a LNW or edited dataset and some data to match to it from an XYZ file or the edited data set. This allows you to do a few things: you can extend your hydrographic survey data on to total station collected XYZ points, take XYZ from outside HYPACK and a line to make a quick HYPACK edited file, or take an edited file and apply a new set of lines.



To use it is relatively simple, you select the files you want to use, select an extension and off line tolerance for the data, select apply, verify your lines and then save. Check the LNW File will use a planned lines from a LNW file otherwise it'll use the lines inside your edited data. There are also options to negate the Z values from your XYZ data, for converting elevation XYZ to hydro; limit the XYZ data points to one line per point, so you can avoid duplicating points in the output; apply off line tolerance to hydro data, which is only visible without a LNW file and will filter your edited data with your offline tolerance.

Additionally the side bar is a new feature in Merge XYZ. This shows the lines loaded, number of points, and allows disabling the lines when you save them. Lines without points are disabled automatically but you can re-enable them here. Also enable or disable all lines with the check box in the column header. You can click on a file there or in the line display drop down box to jump to a line. Or use the '<' and '>' buttons next to the line display to scroll through the lines.

