

Alter Raster Values



Rationale:

This tool is to be used to prepare raster imagery for more detailed processing in other tools. Raster imagery for this tool is assumed to be single band grids of data values and have some numeric values in each grid square or a NoData (or null) marker.

Usage:

There are four options:

- To remove outlier values, which are either too high or too low to be useful or credible. Values found will be replaced with a NoData marker
- To change a specific value to a NoData marker
- To change a NoData marker to a specific value
- To remove a range of values and replace them with a NoData marker.

The user will have to click on one of the radio buttons (circles) to choose one of the options

The input raster file will suggest an output raster filename in the same directory but with an additional “_out” added to the filename. This can be edited by the user if desired.

The screenshot shows the 'Alter Raster Values' dialog box. It has a blue title bar with the text 'Alter Raster Values' and a close button (X). The main area is light gray. At the top, there is a text box for 'Input Raster Imagery' with a browse button (three dots) to its right. Below this are four radio button options: 'Remove Outliers', 'Remove Single Value', 'Change Null to Single Value', and 'Remove Range of values'. Each option has associated input fields: 'Lower Than' and 'Higher Than' for 'Remove Outliers' (values: -9999, 9999); 'Value to remove' for 'Remove Single Value' (value: 0); 'Value to change to' for 'Change Null to Single Value' (value: 0); and 'Start' and 'End' for 'Remove Range of values' (values: -9999, 9999). At the bottom, there is a text box for 'Output Raster Imagery' with a browse button (three dots) to its right. Below the text boxes are three buttons: 'Help', 'OK', and 'Cancel'. In the bottom right corner, there is a small version of the National Oceanography Centre logo.