

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 a software dialog box titled "Alter Raster Values". It has a blue header bar with a green icon and a close button. The main area is light gray. At the top, there's a label "Input Raster Imagery" followed by a text input field and a browse button "...". Below this, there 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: "Remove Outliers" has "Lower Than" and "Higher Than" fields with values "-9999" and "9999" respectively; "Remove Single Value" has a "Value to remove" field with "0"; "Change Null to Single Value" has a "Value to change to" field with "0"; "Remove Range of values" has "Start" and "End" fields with values "-9999" and "9999". At the bottom, there's a label "Output Raster Imagery" followed by a text input field and a browse button "...". Below the input fields are three buttons: "Help", "OK", and "Cancel". In the bottom right corner, there is a small version of the National Oceanography Centre logo.