

# Changes to ETI Tool 2

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11 January 2024

This document outlines updates and changes that have been made to *ETI Tool 2: Assessing estuary trophic state using measured trophic indicators*. Please read the documentation below carefully to understand the implications that these changes may have on the calculated results of the tool. For further clarification, please email the ETI Team at [eti-tools@niwa.co.nz](mailto:eti-tools@niwa.co.nz).

## Version 2.0.2

*Release Date: 11 January 2024*

Updated sidebar to make the changelog and NIWA contact information more accessible for users

## Version 2.0.1

*Release Date: 10 May 2021*

- Updated the calculation that assigns ETI bands from ETI scores to make it consistent with the ETI 2 documentation. This change may result in ETI banding changes for a small number of estuaries.

ETI score	ETI band
0 to $\leq 0.25$	A
$> 0.25$ to $\leq 0.50$	B
$> 0.50$ to $\leq 0.75$	C
$> 0.75$ to 1.00	D

## Version 2.0.0

*Release Date: 02 October 2020*

ETI Tool 2 has been redesigned to improve the user workflow. However, none of the updates are likely to result in changes to the calculated results from ETI Tool 2.

- Users can now choose to use the provided default data to calculate ETI scores without needing to download it first or upload their own data. If you choose to use your own data, we recommend that you download the default data first to use as a template.
- After calculating ETI scores, users can now download an html report summarising the analysis, as well as a csv file of the calculated results. The report includes information about the data used in the analysis, a summary and plots of the results and a metadata table describing the columns in the results file.
- ETI Tool 2 has been updated to reflect changes to NIWA's branding.

## Version 1.0.4

*Release Date: 17 October 2018*

- Added updated Hume (2018) reference and link to pdf.

## Version 1.0.3

*Release Date: 28 March 2018*

- Changed the units of *soft mud* in the metadata table from percentage to proportion to reflect the units of the data that are provided in the template. This will not change the results of the calculations, unless you have uploaded and analysed your own data. Please ensure that `soft_mud` values range from 0 to 1.

## Version 1.0.2

*Release Date: 3 August 2017*

- Added suggest citation. This change will not affect the calculated results.
- Removed *SAV (Seagrass) Extent*, *sedimentation\_ratio* and *elevated\_sed* from the metadata table. These variables are not implemented in the current version of the Tool 2 and were not needed in the metadata table. This change will not affect the calculated results.

## Version 1.0.1

*Release Date: 20 June 2017*

- Removed the susceptibility column from the input data as it was not required. This change will affect the provided input data but will not affect the calculated results.
- Added the ETI email address `eti-tools@niwa.co.nz` to the app. This change will not affect the calculated results.
- Added link to change log and updated version control number. This change will not affect the calculated results.

## Version 1.0.0

*Release Date: 1 April 2017*

- Initial release of ETI Tool 2 on NIWA's external shiny server.