

Error reported in the GEBCO_2020 Grid in the Gulf of Gabes region in the Mediterranean Sea (34° 20'N, 11°E)

An area of anomalously deep bathymetric values have been reported in the GEBCO_2020 Grid in the Mediterranean Sea region around 34° 20'N, 11°E. In this area, the grid is largely based on a database of ship-track soundings with interpolation between soundings guided by satellite-derived gravity data. The anomalously deep region is based on soundings.

The images below illustrate this issue. Further details about the GEBCO_2020 Grid can be found at: www.gebco.net/data_and_products/gridded_bathymetry_data/gebco_2020/

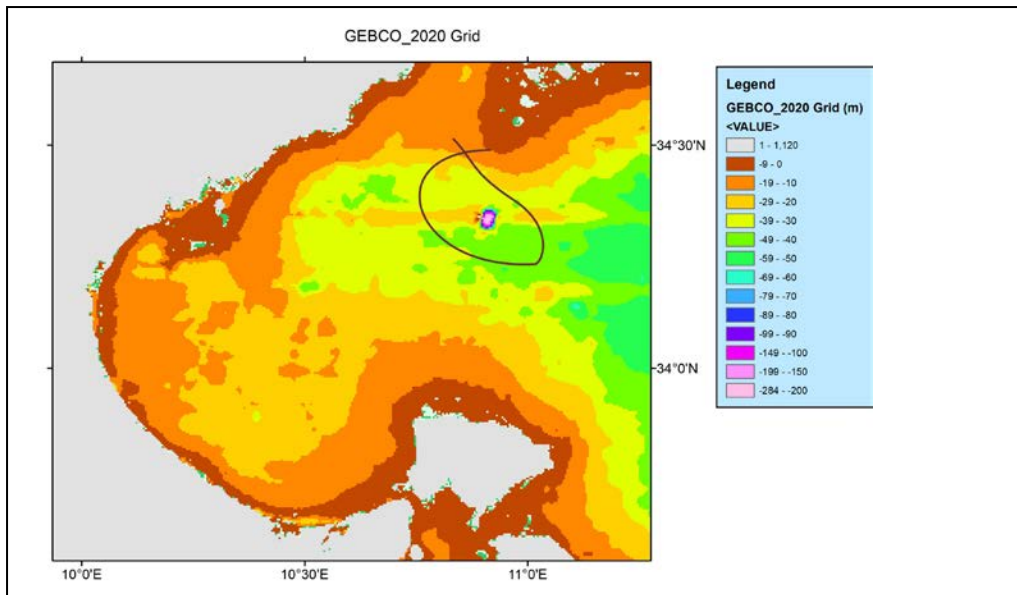


Figure 1. The GEBCO_2020 Grid colour-coded for elevation – the area of anomalously deep values is ringed.

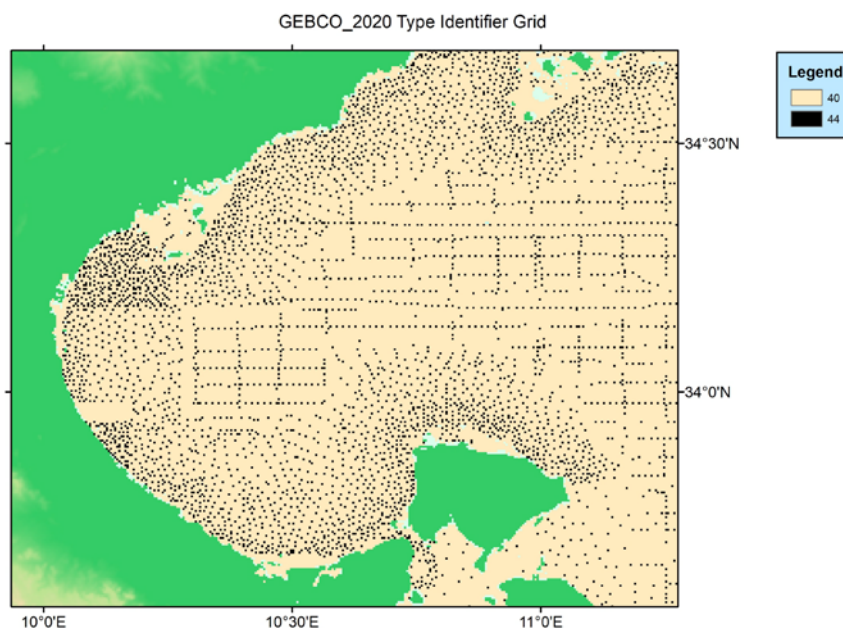


Figure 2. The GEBCO_2020 TID Grid – this indicates the type of data that the corresponding cell in the bathymetric grid is based on. Code 40= "Predicted based on satellite-derived"

gravity data - depth value is an interpolated value guided by satellite-derived gravity data”,
Code 44= “Bathymetric sounding - depth value at this location is constrained by bathymetric sounding(s) within a gridded data set where interpolation between sounding points is guided by satellite-derived gravity data”.

A list of the TID codes can be found on GEBCO’s web site:

https://www.gebco.net/data_and_products/gridded_bathymetry_data/gebco_2020/