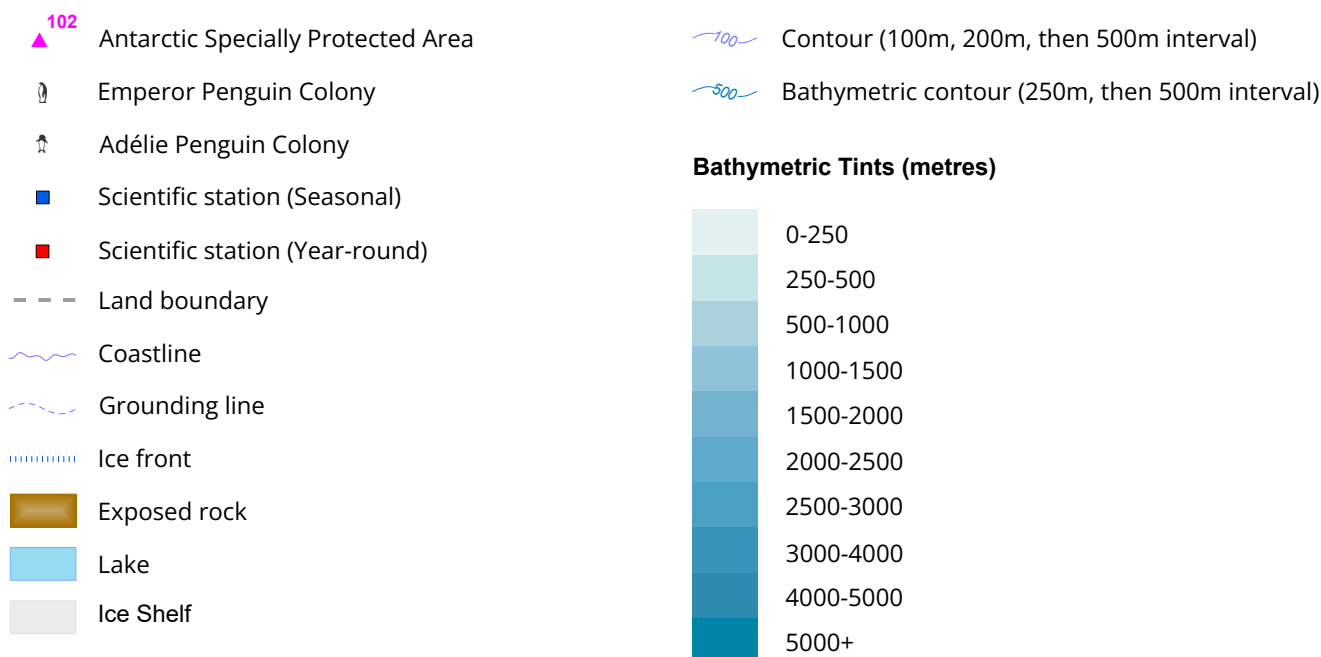


1:1 000 000 ANTARCTIC TOPOGRAPHIC SERIES – 2023 EDITION

LEGEND



DATA SOURCES

1:1 000 000 Antarctic Topographic Series – 2023 Edition covers 22 maps from 36°E to 160°E in East Antarctica. The metadata record for this series is 1million_map_topo_series_2023: data.aad.gov.au/ including links to the maps in the SCAR Map Catalogue.

Topographic datasets combine existing high-resolution data from Australian Antarctic Division Enterprise GIS with new data digitised for this map series using Sentinel 2 imagery: Copernicus Sentinel data [2022], processed by ESA. Note: Individual Sentinel 2 images are referenced in metadata record titled East_Antarctic_25K_topographic_data_2023: data.aad.gov.au. The exception is rock data used in map SU 53-57 is sourced from the Antarctic Digital Database.

Bathymetry (metres) derived from the GEBCO (General Bathymetric Chart of the Oceans) 2021 Grid:

gebco.net/data_and_products/gridded_bathymetry_data/gebco_2021/

Bathymetric data were adjusted to fit coastline data where there were overlaps due to changes in the coastline between the capture date of bathymetric source data and the Sentinel 2 data from which the coastal features were digitised.

Hillshade and contours (metres) derived from REMA2: Howat, Ian, et al., 2022, "The Reference Elevation Model of Antarctica – Mosaics, Version 2", doi.org/10.7910/DVN/EBW8UC, Harvard Dataverse, V1, [November 2022].

Contours should only be used as an indication of topographic relief.

Landsat Image Mosaic of Antarctica (LIMA) used for display purposes only over the hillshade: lima.usgs.gov/

Emperor penguin colonies sourced from Wienecke, B. (2023) Locations of Emperor Penguin colonies in East Antarctica, 2022, Ver. 1, Australian Antarctic Data Centre - [doi:10.26179/rns1-1h32](https://doi.org/10.26179/rns1-1h32).

Adélie penguin colonies derived from Southwell, C., Emmerson, L., Takahashi, A., Kato, A., Barbraud, C., Delord, K. and Weimerskirch, H. (2016) Site occupancy by breeding Adélie penguins in East Antarctica, Ver. 1, Australian Antarctic Data Centre - [doi:10.4225/15/57590498D301C](https://doi.org/10.4225/15/57590498D301C).

Antarctic Specially Protected Area (ASPA) and Antarctic Specially Managed Areas (ASMA): ats.aq/e/protected.html

Aircraft and Station facilities sourced from COMNAP Antarctic facilities list: comnap.aq/antarctic-facilities-information

Place names within the Australian Antarctic Territory sourced from the Australian Antarctic Gazetteer: data.aad.gov.au/aadc/gaz/.

Place names outside the Australian Antarctic Territory sourced from the SCAR Composite Gazetteer of Antarctica: Placenames.aq

Please email comments to: mapping@antarctica.gov.au