

AUSTRALIAN ANTARCTIC TERRITORY



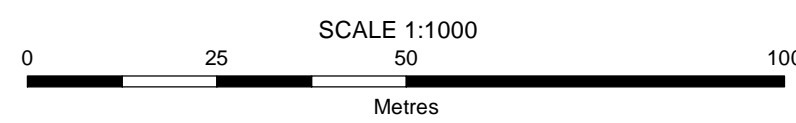
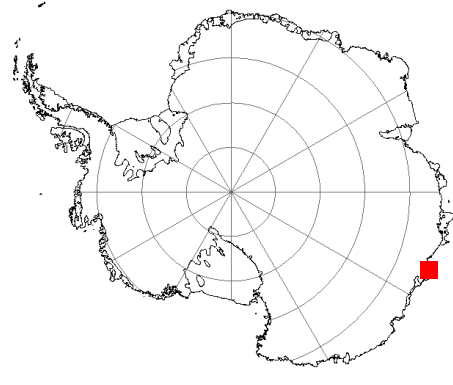
OLD CASEY AND THALA VALLEY

WILKES LAND

ANTARCTICA

ORTHOPHOTO MAP

EDITION 1



PROJECTION: Transverse Mercator
 HORIZONTAL DATUM: WGS84
 VERTICAL DATUM: Mean Sea Level
 OLD CASEY CONTOUR INTERVAL: 10 metres
 THALA VALLEY CONTOUR INTERVAL: 1 metre
 VERTICAL BATHYMETRIC DATUM: Lowest Astronomical Tide
 BATHYMETRY INTERVAL: 10 metres
 IMAGE: Colour aerial photography (format 180mm x 180mm)
 30 December 2000
 Camera Wild RC8

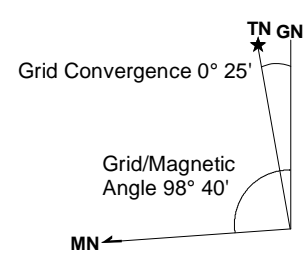
NOMENCLATURE: Names have been approved by the Antarctic Names and Medals Committee of Australia

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 Department of the Environment and Heritage
 (an agency of Environment Australia)

by DataVision GIS Pty Ltd
 Reference Number: D8129_54

LEGEND

- Spot Height
- △ Survey Control Mark
- Bathymetric Contour
- Boundary of ASPA 135
- Old Casey Contours
- Thala Valley Index Contour
- Thala Valley Intermediate Contour

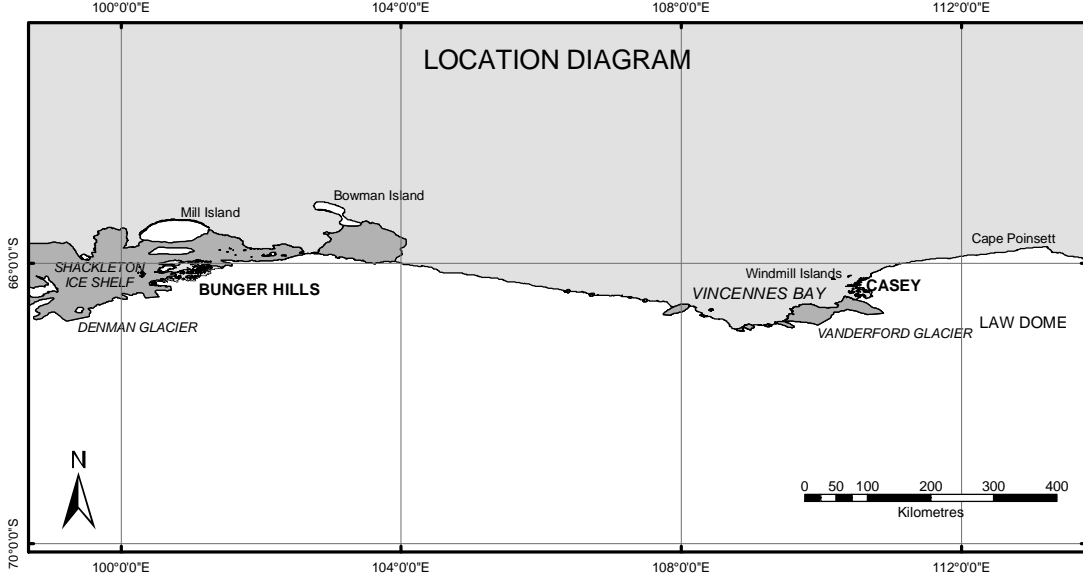


True North, Grid North and Magnetic North are shown diagrammatically for the centre of the map. UTM Zone 49 Magnetic North is correct for August 2002. It moves westerly by approximately 9.5' per year.

HOW TO QUOTE A GRID REFERENCE FOR A PARTICULAR POINT

Grid lines are at 200m intervals
 Eg. Old Casey Carpenters Workshop

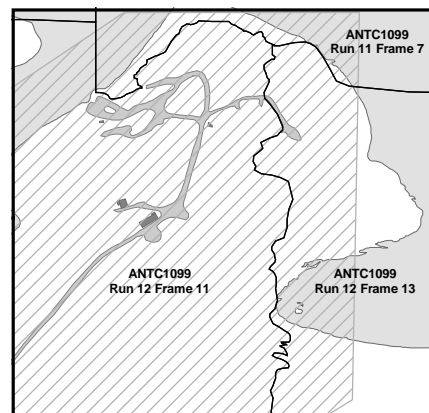
1. Quote this map Old Casey & Thala Valley
 2. Locate the VERTICAL grid line to the left of the point 479,000
 3. Estimate the distance (to within 10m) from the grid line to the point 140
 4. Add points 2 and 3 together and leave off the first two digits 9140
 5. Locate the HORIZONTAL grid line below the point 2,648,800
 6. Estimate the distance (to within 10m) from the grid line to the point 100
 7. Add points 5 and 6 together and leave off the first three digits 8900
- The grid reference for the Carpenters Workshop is: Old Casey & Thala Valley 91408900



IMAGERY SOURCE DIAGRAM

This diagram shows the film, run and frame numbers of the ANARE aerial photography which constitute the imagery shown on this map. The image is a mosaic of aerial photographs each of which has been scanned and digitally processed to form an orthophoto.

The highest accuracy for the orthophoto is achieved within the area of the photo control. This area is shown hatched in the diagram. The accuracy decreases outside of this area.

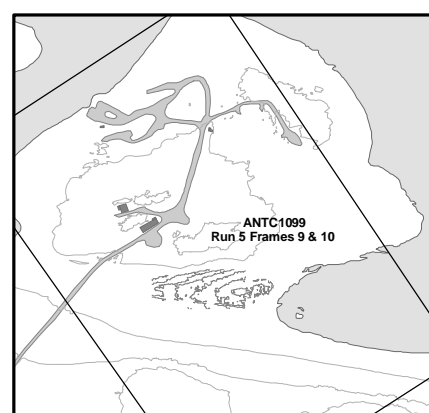


CONTOUR SOURCE DIAGRAM

This diagram shows the source of the contour data.

Thala Valley contours were generated from a Triangular Irregular Network (TIN) which was created using the spot heights extracted with photogrammetric techniques. The film identifiers, run and frame numbers of the ANARE aerial photography from which the contour data was derived are shown in the diagram.

Old Casey contour data is from the Wilkes 1:50 000 dataset.



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