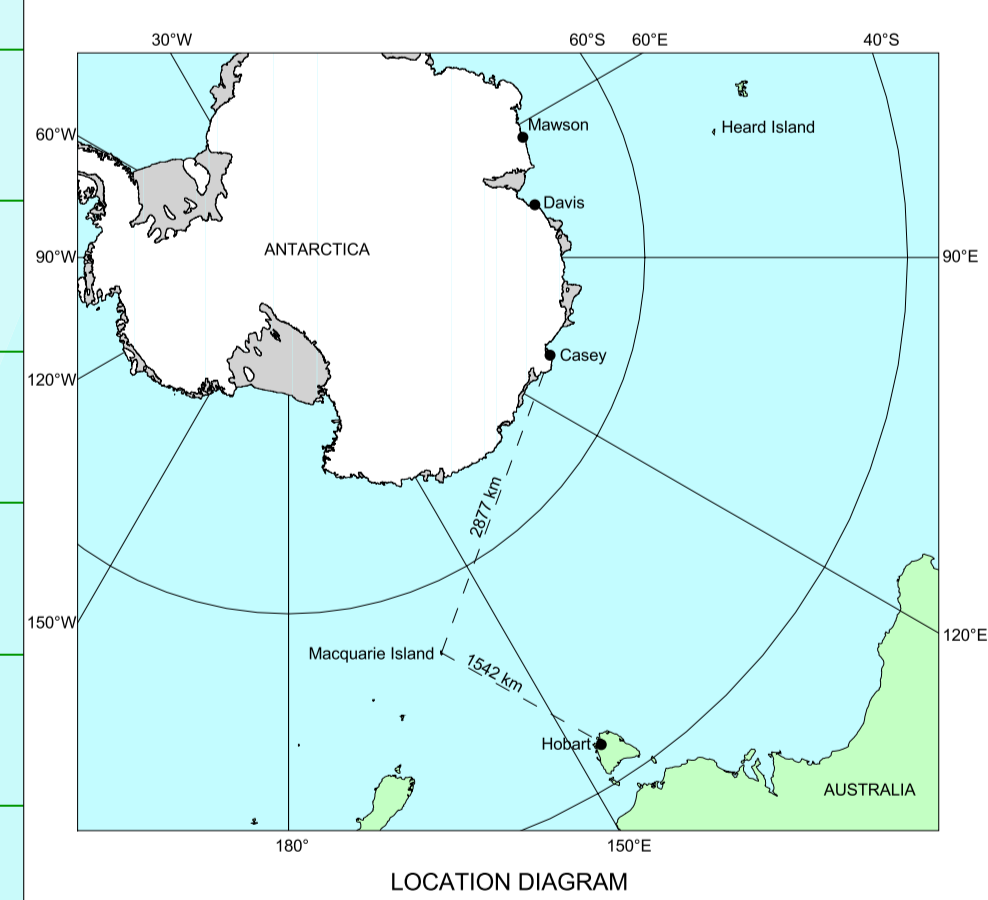
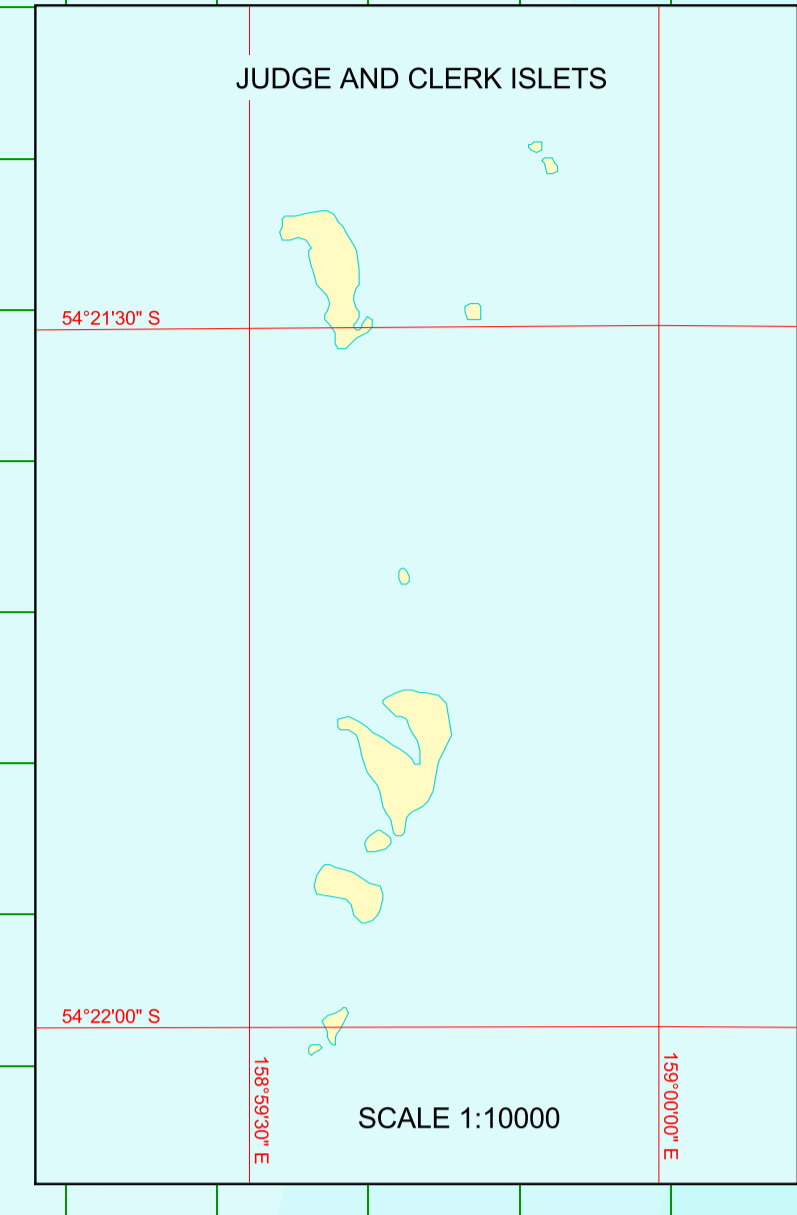
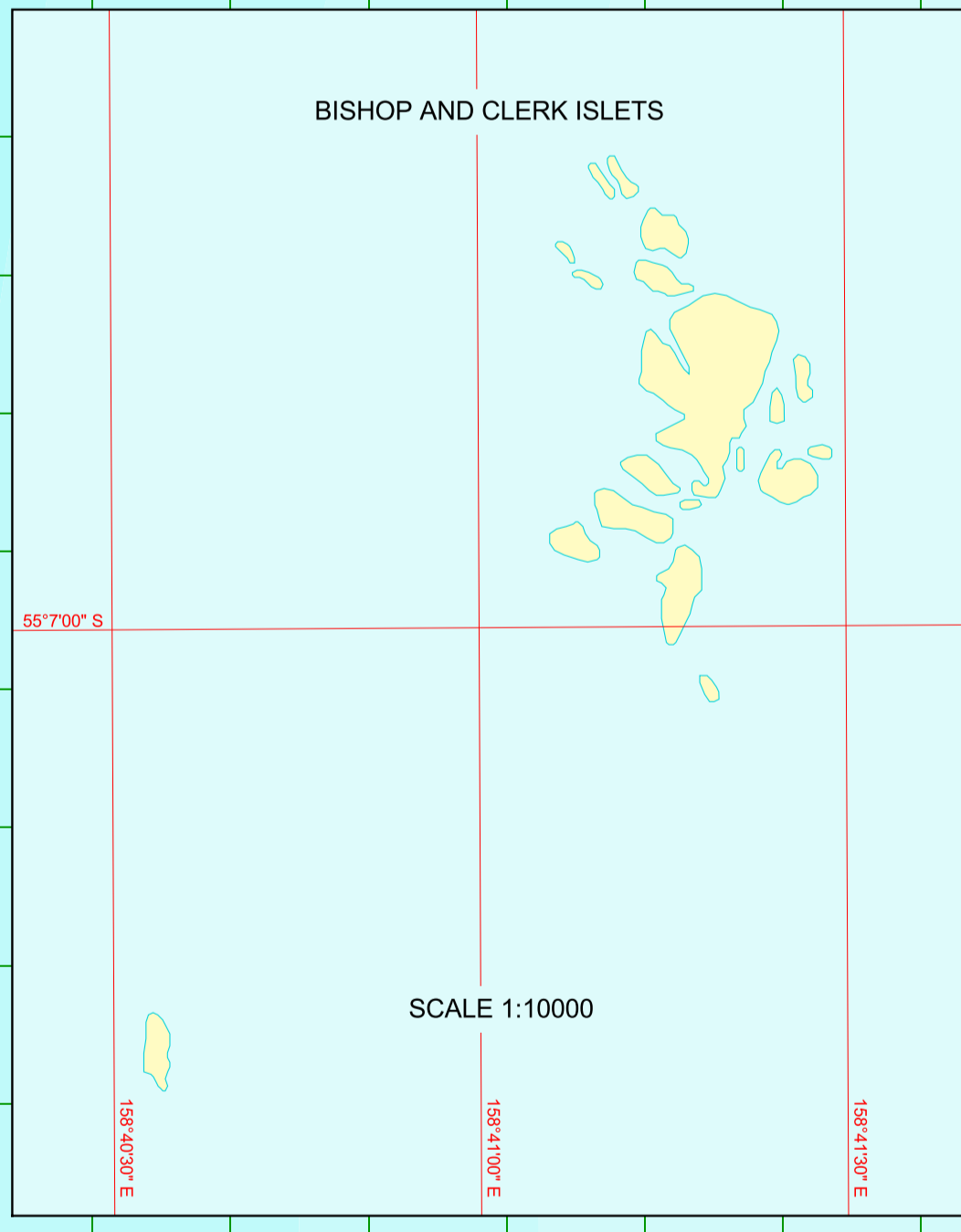


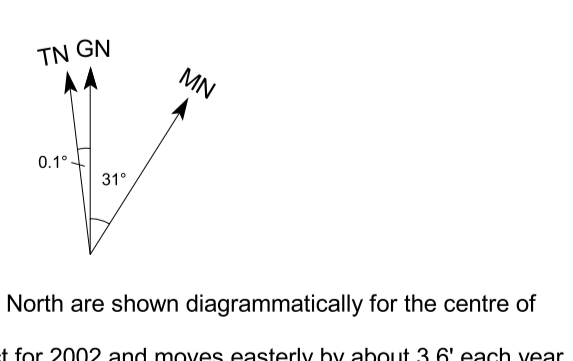
SOUTHERN OCEAN



- LEGEND**
- Walking track
 - Escarpment
 - Lake (and height above sea level)
 - Stream
 - Contour (20m interval, station inset: 10m interval)
 - Contour (100m interval)
 - Spot height (height approximate)
 - Spot height
 - Dam
 - Gravels
 - ANARE Station
 - ANARE Station building
 - ANARE Station structure
 - Enclosed area
 - Road
 - Pole
 - Historic ANARE hut
 - Digestor(s)
 - Typo(s)
 - Shipwreck
 - Difficult coastline to access. Should be avoided.
 - Dangerous coastline. Must be avoided.
 - Bathymetry (m)
 - Penguin colony
 - Gentoo Penguin
 - King Penguin
 - Rockhopper Penguin
 - Royal Penguin
 - Seal colony
 - Fur Seal
 - Southern Elephant Seal
 - Flying bird breeding colony
 - Black-browed Albatross
 - Grey-headed Albatross
 - Southern Giant-Petrel
 - Wandering Albatross
- Wildlife locations may vary within a season or from season to season.
- Rockhopper and Royal Penguins may be found at the locations indicated from about late September to April.
- The other penguin species and the seals may be found at the locations indicated at any time of the year.
- Fur seals haul out at the locations indicated and breed at Hurd Point and three locations north of the ANARE station: Aerial Cove, Goat Bay and Secluded Beach. Southern Elephant Seals haul out and breed anywhere on the east coast of Macquarie Island and at the locations indicated on the west coast of the island.
- The flying bird species may be found at the locations indicated during the time periods:
- Black-browed Albatrosses September to April
 - Grey-headed Albatrosses September to May
 - Southern Giant-Petrels September to April
 - Wandering Albatrosses all year
 - Light-mottled sooty Albatrosses breed on the coastal slopes of Macquarie Island from about late September to May
 - Northern Giant-Petrels breed on the coastal flats of Macquarie Island from about late August to early March.
 - Non-breeding aggregations of Northern and Southern Giant-Petrels are present on Macquarie Island all year round.
- Protected Area
 - Closed annually from November 1 to April 30
 - Closed Area
 - Refer to Macquarie Island Management Plan 1991
- Coastal access between Aurora Cave and Hurd Point and Raine Point and Hurd Point is restricted from October 1 to April 30.

MACQUARIE ISLAND
TASMANIA
SCALE 1:50 000

PROJECTION: Universal Transverse Mercator
ZONE 57
HORIZONTAL DATUM: World Geodetic System 1984
VERTICAL DATUM: Mean Sea Level



- HOW TO QUOTE A GRID REFERENCE FOR A PARTICULAR POINT**
- Quote the Map
 - Locate the first horizontal line to the left of the point and read the large figures in green
 - Estimate the tenths from the grid line to the point
 - Locate the first horizontal line below the point and read the large figures in green
 - Estimate the tenths from the grid line to the point
- SAMPLE POINT: 46 880000 E 33 895000 S
- To give the full reference, prefix with the Grid Zone designation: MACQUARIE ISLAND 57 885376

Produced by the Australian Antarctic Data Centre
Australian Antarctic Division
Department of the Environment and Heritage
Commonwealth of Australia
Published October 2002

This map is available for printing from the Antarctic Map Catalogue (map number 12884), an online database at: <http://www.aad.gov.au/antmap/catalogue.asp>
The datasets used to produce this map are available online at: http://www.aad.gov.au/igribout_download_files.asp
Information about datasets used and other related material is available by searching for metadata online at: <http://www.aad.gov.au/metadata/>
Track names are unofficial. Other names have been approved by the Nomenclature Board of Tasmania.
Additional information is available online at: <http://www.aad.gov.au/news/>

The coastline, creeks and lakes were digitised from a georeferenced SPOT image, captured December 22, 1994.
The contours were derived from Airborne Synthetic Aperture Radar (ASAR) data, captured August 15, 2001.
The mountain spot heights were estimated from the highest contour, except for Mt. Wake.
Wildlife data was provided by scientists at the Australian Antarctic Division and the Parks and Wildlife Service, Tasmania.
The inclusion of wildlife data does not imply that this information is complete.

Please email comments to: gis@aad.gov.au

- REFUGES (HUTS)**
- Bauer Bay 54° 33.3' S 158° 52.6' E
 - Brookers Point 54° 34.4' S 158° 55.1' E
 - MI Ecol 54° 38.6' S 158° 50.9' E
 - Green Gorge 54° 37.9' S 158° 53.9' E
 - Davies Point 54° 39.9' S 158° 49.9' E
 - Waterfall Bay 54° 41.9' S 158° 51.9' E
 - Tidings 54° 41.7' S 158° 49.9' E
 - Windy Ridge 54° 44.9' S 158° 49.8' E
 - Hurd Point 54° 45.3' S 158° 49.8' E