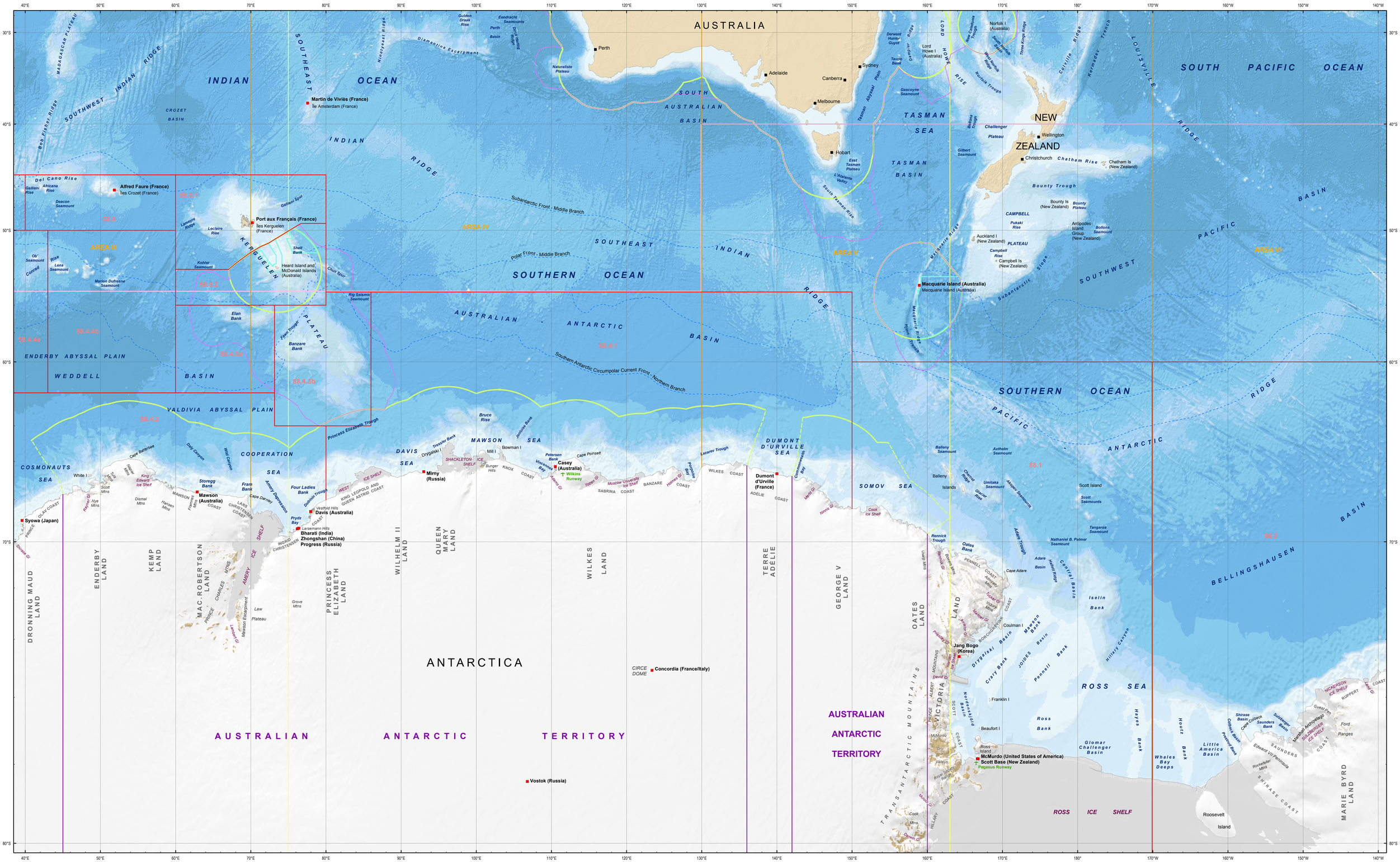
SOUTHERN OCEAN AND ANTARCTICA

including administrative boundaries

30°S to 80°S Eastern Sheet



MAP LOCALITY

Bathymetric tints

Metres
0
500
1000
1500
2000
2500
3000
4000
5000

- Year-round station
- Major city
- Intercontinental runway
- Antarctic Circumpolar Current front
- Ice-free area
- Ice shelf, ice tongue

- Outer limit of Australian Exclusive Economic Zone
- Indicative limit of Australian Maritime Jurisdiction
- Outer limit of Australia's Continental Shelf proclaimed on the basis of the recommendations of the Commission on the Limits of the Continental Shelf
- Outer limit of Australian Marine Reserve
  Note: Only the Heard Island and McDonald Islands Marine Reserve and the Macquarie Island Marine Reserve are shown on this map.
- Boundary of the Australian Search and Rescue Region
- Northern boundary of the International Whaling Commission Southern Ocean Sanctuary
- Australian Antarctic Territory boundary
- AREA II — International Whaling Commission Area relating to Southern Hemisphere baleen whales except Bryde's whales
- 58.6 — Statistical Reporting Area of the Convention on the Conservation of Antarctic Marine Living Resources (CCAMLR)

Australian Government

Department of the Environment

Australian Antarctic Division

Scale 1 : 12 000 000 at 53°30'S

Projection: Mercator
Standard Parallel: 53°30'S

Horizontal Datum: WGS84
Vertical Datum: Mean Sea Level

EDITION 3

DATA SOURCES

Place Names
Names and locations of terrestrial features south of 60°S -
Australian Antarctic Gazetteer for names in the
Australian Antarctic Territory (AAT)
http://data.aad.gov.au/aadc/gaz/
SCAR Composite Gazetteer of Antarctica for names outside the AAT
http://data.aad.gov.au/aadc/gaz/scar/

Names and locations of undersea features -
IHO-IOC GEBCO Gazetteer of Undersea Feature Names
http://www.gebco.net/data_and_products/undersea_feature_names/
Australian Antarctic Gazetteer
http://data.aad.gov.au/aadc/gaz/

Names and locations of oceans and seas -
Names and Limits of Oceans and Seas Around Australia (AHS – AA609582), Australian Hydrographic Office, September 2015.
http://www.hydro.gov.au/factsheets/factsheets.htm
Names and Limits of Oceans and Seas, International Hydrographic Organization Special Publication No. 23, Draft 4th Edition, June 2002.
https://www.iho.int/srv1/index.php?lang=en then search for 'S-23WG'

Stations and Intercontinental Runways
Facilities south of 60°S
Council of Managers of National Antarctic Programs (COMNAP)
Antarctic Facilities List, 13 February 2014
https://www.comnap.aq/Information/SitePages/Home.aspx
Antarctic Flight Information Manual, Revision 1-14, 21 February 2014
https://www.comnap.aq/miscpages/SitePages/AFIM.aspx

Facilities north of 60°S -
The Scientific Committee on Antarctic Research Standing Scientific Group on GeoSciences (SCAR SSG-GS)
http://www.geoscience.scar.org/stations/index.htm

Bathymetry
General Bathymetric Chart of the Oceans (GEBCO) 2014 Grid, version 20150318.
http://www.gebco.net/data_and_products/gridded_bathymetry_data/

Topography
Coastline, ice shelves, ice tongues, exposed rock of Antarctica - Antarctic Digital Database version 6
http://www.add.scar.org/

Coastline north of 60°S and cities -
ESRI world data
http://www.esri.com/data/data-maps/
World Vector Shoreline data created by the
National Geospatial-Intelligence Agency of the USA.
http://shoreline.noaa.gov/data/datasheets/wvs.html
Australian Antarctic Data Centre GIS database
http://data.aad.gov.au/

Hillshading
Global hillshading from SRTM30_PLUS v8.0 (NERP TE 13.1 e-Atlas, Scripps Institute Of Oceanography, University of California San Diego).
http://e-atlas.org.au/data/uuid/239c5d24-f141-4cba-8311-aa43b46ef701

Antarctic Circumpolar Current Fronts
Sokolov, S., and S. R. Rintoul (2009a), Circumpolar structure and distribution of the Antarctic Circumpolar Current fronts: 1. Mean circumpolar paths, J. Geophys. Res., 114, C11018, doi:10.1029/2008JC005108.
Sokolov, S., and S. R. Rintoul (2009b), Circumpolar structure and distribution of the Antarctic Circumpolar Current fronts: 2. Variability and relationship to sea surface height, J. Geophys. Res., 114, C11019, doi:10.1029/2008JC005248.

Australian Maritime Boundaries
Australian maritime boundaries including limits of Exclusive Economic Zones and Continental Shelves -
Alcock, M.B., McGregor, M.J., Hatfield, A and Taffs, N.J., 2014. Seas and Submerged Lands Act 1973 - Australian Maritime Boundaries 2014a - Geodatabase. Geoscience Australia, Canberra.
http://dx.doi.org/10.4225/25/55390DFE87D895
Note: The outer limit of the extended continental shelf off the Australian Antarctic Territory is yet to be resolved. Australia requested the Commission on the Limits of the Continental Shelf not consider this region for the time being.

Australian Marine Reserves
Australian Government Department of the Environment, 2014.
http://www.environment.gov.au/topics/marine/marine-reserves

Australian Search and Rescue Region
Australian Maritime Safety Authority
https://www.operations.amsa.gov.au/Spatial/DataServices/DigitalData

Statistical Reporting Areas of the Convention on the Conservation of Antarctic Marine Living Resources (CCAMLR)
Boundaries generated based on the description at
http://www.ccamlr.org/en/organisation/convention-area
Note: The southern boundary of the CCAMLR Statistical Reporting Area is the coastline of Antarctica.

International Whaling Commission (IWC) Areas and Sanctuary
IWC Areas relating to Southern Hemisphere baleen whales except Bryde's whales and Southern Ocean Sanctuary -
International Convention for the Regulation of Whaling, 1946.
Schedule as amended by the Commission at the 65th meeting, September 2014.
https://iwc.int/convention
Note: The southern boundary of the IWC Areas is the ice edge.

Qualifications relating to this map
1. This map is not intended for navigation purposes.
2. This map is indicative only of the location of Australia's maritime zones and should not be used as a definitive source of information.
3. Some coincident boundaries have been shown adjacent to each other for cartographic purposes.

Produced by the Australian Antarctic Data Centre
Published April 2016
Map Catalogue No. 14492
Please email comments to mapping@aad.gov.au

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