Terra Australis

The Antarctic Ice Sheet

its ice in motion, the voyages of discovery & the rookeries of the penguins

Ice flow, metres a year

10 — 100 — 1000

DRONNING MAUD LAND
EDML (Kohnen)
ENDERBY LAND
COATS LAND
GRAHAM LAND
PALMER LAND
MAC. ROBERTSON LAND
PRINCESS ELIZABETH LAND
WILHELM II LAND
QUEEN MARY LAND
MARIE BYRD LAND
SIPLE COAST
WILKES LAND
VICTORIA LAND
ADÉLIE LAND
GEORGE V LAND
WEDDELL SEA
BELLINGSHAUSEN SEA
AMUNDSEN SEA
ROSS SEA
PRYDZ BAY
SOUTHERN OCEAN
Fimbul Ice Shelf
Riiser-Larsen Ice Shelf
Brunt Ice Shelf
Elephant Island
Larsen B Ice Shelf
Endurance sank
Endurance 1915–16
Endurance beset
Larsen C Ice Shelf
Shackleton Base
Filchner Ice Shelf
Berkner Island
South Ice
Ronne Ice Shelf
Alexander Island
George VI Ice Shelf
Wilkins Ice Shelf
Ellsworth Mountains
Abbot Ice Shelf
Polus Australis
Shackleton's farthest south
Fuchs-Hillary 1957–58
Shackleton 1908–09
Amundsen 1911–12
Scott 1911–12
WAIS Divide
Byrd Station
Cook's farthest south
Transantarctic Mountains
Ross Ice Shelf
Framheim
† Scott
Cape Evans
Scott Base
Roosevelt Island
Getz Ice Shelf
Sulzberger Ice Shelf
Drygalski Ice Tongue
Dome F (Fuji)
Gamburtsev Subglacial Mountains
Dome A (Argus)
Ridge B (Dome B)
Vostok Station
Dome C
Prince Charles Mountains
Amery Ice Shelf
West Ice Shelf
Shackleton Ice Shelf
Totten Ice Shelf
Moscow University Ice Shelf
Mawson 1912–13
† Ninnis
Cape Denison
d'Mertz
1000 km

— Ice front
— Grounding line
— 1000 m surface contours
- - - Sea-ice edge, September
Open sea in winter
Pack ice in winter
— Amundsen 1911–12
— Scott 1911–12
— Shackleton 1908–09
····· Endurance 1915–16
— Mawson 1912–13
— Fuchs-Hillary 1957–58
- - - Cook 1774
Emperor penguin colony
Adélie penguin colonies

Interactive map:
fesmc.github.io/cryosphere-maps

Topography from BedMachine Antarctica v4 (Morlighem et al., 2020); ice velocity from MEaSUREs InSAR v2 (Rignot et al., 2011); median sea-ice edge 1981–2010 from the Sea Ice Index v4 (Fetterer et al., 2017); place names from the SCAR Composite Gazetteer; emperor penguin colonies 2023 (Fretwell, 2024, UK Polar Data Centre); Adélie penguin colonies from MAPPPD (Humphries et al., 2017), grouped within 100 km. Expedition routes from the expedition accounts and published positions (data/routes_antarctica.csv); arcs join documented waypoints only. Polar stereographic projection.

fesmc.github.io/cryosphere-maps · v1.0