Kalaallit Nunaat

Sermersuaq · the Greenland Ice Sheet: its ice in motion, the routes of its crossings and its wildlife

ARCTIC OCEAN
PEARY LAND
Kap Bridgman
KRONPRINS CHRISTIAN LAND
Ryder Gletscher
Nioghalvfjerdsfjorden (79N)
Navy Cliff
FRAM STRAIT
Petermann Gletscher
Peary 1892
Sermersuaq (Humboldt Gletscher)
Danmark Expedition 1906-08
Zachariæ Isstrøm
† Brønlund
Red Cliff House
KNUD RASMUSSEN LAND
Qaanaaq
Storstrømmen
Danmarkshavn
GREENLAND SEA
Pituffik (Thule Air Base)
Camp Century
NEEM
Borg
NEGIS
Koch-Wegener 1912-13
EastGRIP
NGRIP
BAFFIN BAY
Upernavik Isstrøm
Prøven
GISP2
GRIP
Daugaard-Jensen Gletscher
Kangertittivaq (Scoresby Sund)
Ilimananngip Nunaa (Milne Land)
Wegener 1930-31
Eismitte
Weststation
Station Centrale
EPF 1949-51
Qeqertarsuaq (Disko Island)
Ilulissat (Jakobshavn)
Sermeq Kujalleq (Jakobshavn Isbræ)
Kangerlussuaq Gletscher
DENMARK STRAIT
Kangerlussuaq (Søndre Strømfjord)
DAVIS STRAIT
Ice Cap Station
Helheim Gletscher
Tasiilaq
Dye-3
Nansen 1888
Nuuk (Godthåb)
Umivik
IRMINGER SEA
N
LABRADOR SEA
0 400 km

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

Ice flow, metres a year

10 100 1000

- Ice front
- Sea-ice edge, March
- Nansen 1888
- Koch-Wegener 1912-13
- BAARA 1930-31
- Aaveq · walrus haul-out
- Grounding line
- Open sea in winter
- Peary 1892
- Wegener 1930-31
- Nanoq · polar bear denning area
- Qilalugaq qernertaq · narwhal summer area
- 1000 m surface contours
- Pack ice in winter
- Danmark Expedition 1906-08
- EPF 1949-51
- Umimmak · musk-ox calving area

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

sermersuaq the ice sheet · sermeq glacier · kangerluk fjord
qeqertaq island · imaq sea · nuna land

Topography from BedMachine Greenland v6 (Morlighem et al., 2017) and ETOPO 2022; ice velocity from the MEaSUREs multi-year mosaic (Joughin et al., 2018); median sea-ice edge 1981–2010 from the Sea Ice Index v4 (Fetterer et al., 2017); place names from GeoNames; wildlife areas from the Areas Important to Wildlife (Greenland Institute of Natural Resources, DCE), one sign per area, grouped within 100 km. Expedition routes from the expedition accounts and published positions (data/routes_greenland.csv); arcs join documented waypoints only. Polar stereographic projection.