Greenland Ice Sheet

Surface ice velocity, drainage regions and place names



Surface ice velocity [m/yr]

10 100 1000

Ocean depth [m]

0 1000 2000 3000 4000

- Ice core
- Drainage divide
- 500 m surface contours
- Sea-ice edge, September
- Station / settlement
- Ice margin
- Sea-ice edge, March

Greenland Ice Sheet in numbers

Ice area	**1.73 million km²**
Ice volume	**2.98 million km³**
Maximum thickness	**3411 m**
Sea-level equivalent	**7.4 m**

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

Data: bed and surface topography from BedMachine Greenland v6 (Morlighem et al., 2017); surface ice velocity from the MEaSUREs multi-year mosaic (Joughin et al., 2018); drainage regions from IMBIE 2 (Rignot & Mouginot); outside the BedMachine domain, topography from ETOPO 2022 (NOAA NCEI, 2022) and glacier outlines from RGI 6.0 (RGI Consortium, 2017); median sea-ice edge 1981–2010 from the Sea Ice Index v4 (Fetterer et al., 2017); place names from GeoNames. Key numbers for the ice sheet within the IMBIE 2 regions, computed on the map grid; sea-level equivalent of the ice above flotation. Polar stereographic projection (70°N, 45°W).