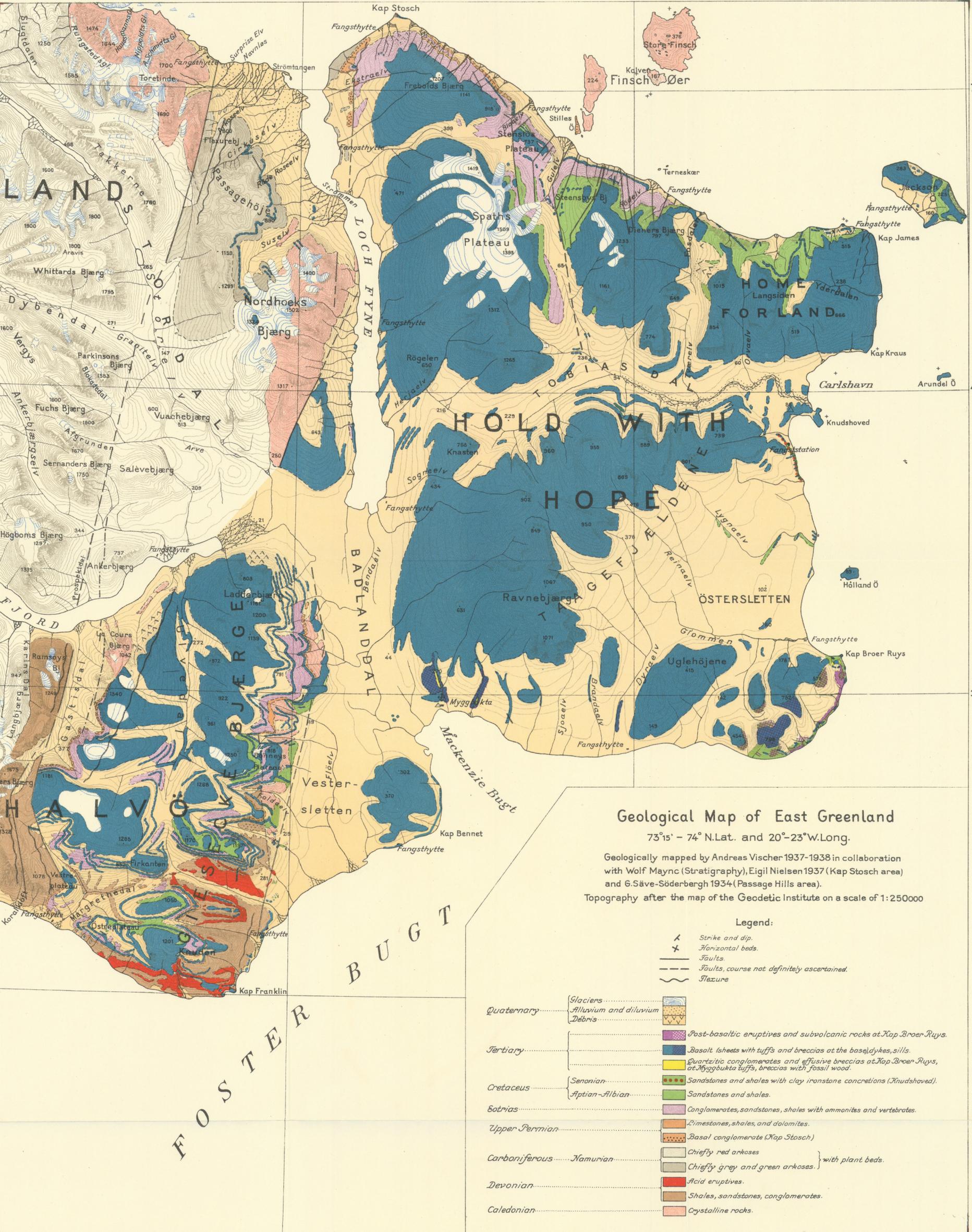


HUDSON



GAUSS

Geological Map of East Greenland

73°15' - 74° N.Lat. and 20°-23° W.Long.

Geologically mapped by Andreas Vischer 1937-1938 in collaboration with Wolf Maync (Stratigraphy), Eigel Nielsen 1937 (Kap Stosch area) and G.Säve-Söderbergh 1934 (Passage Hills area).

Topography after the map of the Geodetic Institute on a scale of 1:250000

Legend:

- Strike and dip.
- Horizontal beds.
- Faults.
- Faults, course not definitely ascertained.
- Flexure.

- Quaternary.....
 - Glaciers
 - Alluvium and diluvium
 - Debris
- Tertiary.....
 - Post-basaltic eruptives and subvolcanic rocks at Kap Broer Ruys.
 - Basalt (sheets with tuffs and breccias at the base), dykes, sills.
 - Quartzitic conglomerates and effusive breccias at Kap Broer Ruys, at Myggebukta tuffs, breccias with fossil wood.
- Cretaceous.....
 - Senonian..... Sandstones and shales with clay ironstone concretions (Knudshoved).
 - Aptian-Albian..... Sandstones and shales.
- Triassic.....
 - Conglomerates, sandstones, shales with ammonites and vertebrates.
- Upper Permian.....
 - Limestones, shales, and dolomites.
 - Basal conglomerate (Kap Stosch)
- Carboniferous..... Namurian.....
 - Chiefly red arkoses
 - Chiefly grey and green arkoses. } with plant beds.
- Devonian.....
 - Acid eruptives.
 - Shales, sandstones, conglomerates.
- Caledonian.....
 - Crystalline rocks.

