



GEUS 1:500.000 Geological Map Legend – Maniitsoq Area




QUATERNARY

-  Ice and perennial snow
-  Alluvium and deltaic deposits






PALEOZOIC - Carbonatite, West Greenland

-  Carbonatite


NEOARCHAEAN TO MESOARCHAEAN Intrusive rock, unmetamorphosed

-  Granodiorite, includes Finnefjeld gneiss, granodiorite south of Mâmoralik, granodiorite of Søndre Strømfjord, includes Rodebay K-feldspar porphyritic granodiorite, Tasersuaq granodiorite and the granodiorite around Frederikshåb Isblink.
-  Granodiorite with fenitisation associated with carbonatite
-  Leucogabbro and anorthosite, includes gabbro and ultramafic rocks. Includes the Fiskebøl Complex, the Buksefjorden anorthosite and the Qaajuârssuaq anorthosite.

NEOARCHAEAN TO MESOARCHAEAN Intrusive rock, metamorphosed

-  Orthogneiss, mainly granodioritic to tonalitic biotite- and/or hornblende-bearing, locally grading to quartz-diorite, includes granulite facies rocks, and granulite facies rocks that were retrogressed during the Archaean to amphibolite facies. In the Godthåb-Buksefjord region: includes former Nûk gneiss; north of Mogens Heinesen Fjord: Inclusions of amphibolite, ultramafic rocks and fragments of disrupted mafic dykes; at c. 77
-  Orthogneiss, mainly enderbitic
-  Orthogneiss, mainly granodioritic to tonalitic with fenitisation
-  Metanorite, between Fiskefjord and Søndre Isortoq
-  Amphibolite, undifferentiated, locally with ultramafic pods, locally mafic granulite. In southern East Greenland: Includes minor paragneiss, micaschist and meta-peridotite; at Lauge Koch Kyst supracrustal Complex: Includes metavolcanic rocks, locally pyroxene-magnetite-bearing. Includes former Malene amphibolites with intercalations of mica schists. May include Palaeoproterozoic rocks on southern Naternaq and Nantarsuaq.

NEOARCHAEAN TO MESOARCHAEAN Sedimentary and metasedimentary rocks, undifferentiated

-  Mica schist, mainly biotite, ± garnet, ± cordierite, ± sillimanite, ± muscovite, ± staurolite. In Lauge Koch Kyst Supercrustal Complex: Includes mafic schists, ironstone and talc-chlorite schists; at Nunatarsuaq and Nordre Isortoq, both West-Greenland: May include Palaeoproterozoic units. Includes former Malene cordierite-bearing garnet biotite schist.