Maniitsoq 1:100,000 mapsheet legend

CENOZOIC — Quaternary

Alluvial	Silt, sand, and gravel in channels and overbank deposits
Glacial	Moraine
Marine	Tidal mudflats and sand deposits
Talus	Gravel to boulder-field talus deposits

CENOZOIC — Paleogene

c. 55 Ma — SØNDRE ISORTOQ DYKE SWARM Alkali basalt dykes and diatreme

MESOZOIC: Jurassic

c. 165 Ma — QAQARSSUK CARBONATITE COMPLEX

J-QC-Cbt	Sövite carbonatite, dolomite carbonatitic ring dykes, and associated aillikitic lamprophyre dykes
J-QC-Fen	Associated fenite

c. 165 Ma — PZ-Lst: FOSSILIK BRECCIA Coarse-grained to boulder explosion breccia of basement gneisses and fossiliferous shale, sandstone, limestone, and dolomite in an aillikitic iron-rich carbonate matrix

NEOPROTEROZOIC

566-555 Ma

PrN-KIM	MANIITSOQ KIMBERLITE DYKES Hypabyssal calcite kimberlite dykes
PrN-MK-KIM	MAJUAGAA KIMBERLITE DYKE Calcite kimberlite dyke

PALEOPROTEROZOIC

2040 Ma — PRP-KD-Dol: KANGÂMIUT DYKE SWARM Fe-tholeiitic dyke swarm

2050-2030Ma — PRP-MD-Dol: MD DYKES Tholeiitic dyke swarm

2214 Ma

PRP-BN-Nor	BN DYKES Bonninite-norite dykes
PRP-PD-Nor	PAKITSOQ DYKE Bonninite-norite dyke

NEOARCHEAN

2558 Ma — AN-Gri: Undeformed granite sheets

c. 2740 Ma — Low-P granulite facies metamorphism of Tuno Terrane and high-P granulite facies metamorphism of Alanngua Complex

MESOARCHEAN

2850-2770 Ma — Tuno Terrane

AN-T-M	Orthopyroxene-bearing tonalitic to granodioritic orthogneisses
AM-T-Man	Anorthosite
AN-T-Psm	Psammitic supracrustal rocks, granulite facies
AN-T-MS-Gna	Metasedimentary rocks and amphibolite, granulite facies

< 2900-c. 2850 Ma — Alanngua Complex

Kangerluarssuk Supracrustal Belt

AM-KS-Ms-Gna	Amphibolite-dominated supracrustal rocks
AM-KS-Ms	Metasedimentary-dominated supracrustal rocks

AM-AL-Amb: Foliated hornblende amphibolite, sometimes with lesser metagabbro and rare biotite gneiss or schist

c. 2980 Ma — AM-Gri: Granite

c. 2980 Ma — Granulite facies metamorphism of Akia Terrane

Alanngua Orthogneiss

c. 3020-2990 Ma

AM-AL-M	Tonalitic, granodioritic and dioritic orthogneiss
AM-ALg-M	Granulite facies tonalitic, granodioritic and dioritic orthogneiss
AM-AL-Mdi	Dioritic orthogneiss

c. 3013-2994 Ma — AM-FnC-M: FINNEFJELD COMPLEX Dominantly quartz-dioritic polyphase gneiss also with tonalitic, granodioritic, and granitic components, common diorite and rare amphibolite enclaves

c. 3000 Ma — AM-A-Mto: Purplish granodioritic to tonalitic gneiss

c. 3019-2994 Ma — AM-IG-M: ISORTOQ GRANULITES Granulite facies tonalitic, granodioritic and dioritic gneiss

c. 3030-2990 Ma — AM-FsC-M: FISKEFJORD COMPLEX Tonalitic, granodioritic, and dioritic gneiss with diorite, amphibolite, norite, and dunite enclaves

Akia Supracrustal Rocks — Akia Terrane

AM-AS-Ms-Gna	Intercalated amphibolite and metasedimentary rocks
AM-AS-Pel	Pelitic metasedimentary rocks
AM-AS-Psm	Psammitic metasedimentary rocks

AM-A-Amb: Foliated hornblende amphibolite, sometimes with lesser metagabbro and rare biotite gneiss or schist

AM-TC-Cbt: TUPERTALIK CARBONATITE Carbonatite and lesser ultramafic rocks including fenite and micaceous ultramafite

3007 Ma — Maniitsoq Norite Belt

AM-MnB-M	Meta-mela to leuconorite, gabbronorite, gabbro, and diorite
AM-MnB-Mno	Metanorite
AM-MnB-Mgn	Metagabbronorite

c. 3013 & 3001 Ma

AM-Mu: Metadunite with lesser metanorite and metagabbro

AM-Amb-Gcs: Calc-silicate amphibolite

AM-A-Mgb: Granulite facies metagabbro

PALEOEARCHEAN

> 3000 Ma — AP-MC-Dun: MIAGGOQ COMPLEX Metamorphosed layered mafic igneous complex - ultramafic rocks, norite, gabbro, and gabbronorite