Western Dronning Maud Land (20°W to 02°E) | **Central Dronning Maud Land** (02°E to 28°E) | **Eastern Dronning Maud Land** (28°E to 45°E)

Grünehogna Craton

- Moraine and undifferentiated cover
- 2 Lithology unknown
- 3 Mafic dikes
- 4 Basalt

Maud Belt – Heimefrontfjella, Kiwanveggen

- Moraine and undifferentiated cover
- 2 Lithology unknown
- 3 Mafic dikes
- 4 Basalt
- 5 Gabbro
- 12 Sedimentary rocks
- 13 Amelang Formation

Urfjell Group (Ordovician ?)

- 14 Urnosa Formation
- 15 Kuvungen Formation
- 16 Tunga Formation
- 17 Uven Formation

- 20 Granite, syenite, in part charnockitic
- 22 Metagabbro
- 23 Diorite

Maud Belt – H.V. Sverdrupfjella, Heimefrontfjella

- Moraine and undifferentiated cover
- 2 Lithology unknown
- 3 Mafic dikes

Straumsvola-Tvora alkaline complex

- 6 Sistefjell syenite

Tvora syenite

- 7 Syenite, outer layer
- 8 Syenite, inner layer

Straumsvola syenite

- 9 Syenite, outer layer
- 10 Syenite, mesocratic
- 11 Syenite, central layer

- 13 Amelang Formation
- 19 Syenite dikes
- 21 Brattskarvet granite (ca. 517 ± 15 Ma)

Heimefront Shear Zone

Maud Belt – Gjelsvikfjella, Mühlig-Hofmanfjella, Orvinfjella

- Moraine and undifferentiated cover
- 2 Lithology unknown
- 20 Pegmatite, granitic dikes and stocks
- 24 Charnockite
- 25 Anorthosite/meta-anorthosite (625 - 506 Ma)
- 26 Granite and granosynite
- 27 Gabbro
- 36 Pelitic gneiss and schist
- 37 Banded gneiss
- 38 Metamorphosed ultrabasic rocks
- 39 Amphibolite
- 40 Banded gneisses (metavolcanics)
- 41 Marble, calc-silicate and skarn

Schirmacher Oasis

- Moraine and undifferentiated cover
- 2 Lithology unknown
- 20 Pegmatite, granitic dikes and stocks
- 42 Garnet-biotite gneiss
- 43 Pelitic gneiss and schist
- 44 Banded gneiss
- 45 Mafic gneiss and schist /mafic lenses and dikes
- 63 Granitic gneiss (variable protolith including granite, arkose) (ca. 774 Ma & ca. 800 Ma)
- 64 Augen gneiss and mylonite (ca. 772 Ma)

Sør Rondane Southwestern Terrane TOAST

- Moraine and undifferentiated cover
- 2 Lithology unknown
- 18 Mafic dikes (488-434 Ma)
- 20 Pegmatite, granitic dikes and stocks
- 28 Granodiorite-diorite (620-500 Ma)
- 29 Olivine-bearing monzonite (620-500 Ma)
- 30 Pyroxene syenite (620-500 Ma)
- 35 Calc-alkaline Nils Larsenfjellet tonalitic gneiss (772-730 Ma)
- 46 Garnet-biotite gneiss
- 47 Sillimanite-garnet-biotite gneiss
- 48 Garnet-biotite-hornblende gneiss
- 49 Biotite-hornblende gneiss
- 50 Amphibolite
- 51 Mafic granulite/mafic lenses
- 52 Marble, calc-silicate and skarn (~ 850-880 Ma)
- 65 Garnet-biotite-hornblende gneiss /enderbite/gabbro (980-915 Ma)
- 66 Granitic gneiss and migmatite
- 67 Calc-alkaline tonalitic gneiss (960-925 Ma)
- 68 Calc-alkaline metagabbro (995-975 Ma)
- 69 Tholeiitic tonalitic gneiss (995-975 Ma)

Pan-African metamorphic event (ca. 600 Ma) is linked to the collision between the SW- (downgoing) and NE- (overthrust) terranes of Sør Rondane along the Main Tectonic Boundary

Sør Rondane Northeastern Terrane/ Yamato–Belgica complex

- Moraine and undifferentiated cover
- 2 Lithology unknown
- 18 Mafic dikes (488-434 Ma)
- 20 Pegmatite, granitic dikes and stocks
- 31 Granodiorite-diorite (620-500 Ma)
- 32 Metagabbro (Balchenfjella; 620-500 Ma)
- 33 Pyroxene-free syenite (550-530 Ma)
- 34 Pyroxene syenite (550-530 Ma)
- 53 Garnet-biotite gneiss
- 54 Sillimanite-garnet-biotite gneiss
- 55 Biotite-hornblende gneiss
- 56 Hornblende gneiss
- 57 Pyroxene-biotite gneiss
- 58 Amphibolite
- 59 Migmatitic gneiss
- 60 Charnockite gneiss
- 61 Mafic granulite/mafic lenses
- 62 Marble, calc-silicate and skarn (~ 790-820 Ma)
- 73 Garnet-bearing aplitic granite (~ 1000 Ma)
- 74 Granitic gneiss (~ 1000 Ma)

Lützow-Holm complex

- Moraine and undifferentiated cover
- 2 Lithology unknown
- 20 Pegmatite, granitic dikes and stocks
- 70 Granitic to granodioritic migmatite (1000-750 Ma)
- 71 Quartzo-feldspathic garnet gneiss (1000-750 Ma)
- 72 Granitic gneiss and gneissose granite (1000-750 Ma)
- 75 Garnet-biotite gneiss
- 76 Biotite gneiss; partly migmatized
- 77 Biotite-hornblende gneiss
- 78 Hornblende gneiss
- 79 Pyroxene gneiss
- 80 Layered gneiss of pelitic, psam comp
- 81 Layered gneiss of interm comp
- 82 Layered gneiss of basic comp
- 83 Marble, calc-silicate and skarn
- 86 Tonalitic gneiss (Cape Hinode; 1000-1100 Ma)

Subduction zone formed during the Gondwana collision (Pan-African event)

Mesoproterozoic

Borgmassivet Intrusive Suite (~ 1107 Ma)

- 90 Mafic sills
- 91 Diorite

Ritscherflya Supergroup (~ 1130-1107 Ma)

Jutulstraumen Group

- 92 Straumsnutane Formation (lavas)
- 93 Fasettfjellet Formation
- 94 Istind Formation
- 95 Tyndeklypa Formation

Ahlmannryggen Group

- 96 Raudberget Formation
- 97 Jekselen Formation
- 98 Högfonna Formation
- 99 Schumacherfjellet Formation
- 100 Framryggen Formation
- 101 Pyramiden Formation

- 128 Annandagstoppane gabbronorite (~ 1200 Ma)

Kirwanveggen complex

- 102 Banded orthogneiss
- 103 Migmatite
- 104 Augen gneiss
- 105 Quartzitic mylonite

Kottas Terrane (~ 1088-1130 Ma)

- 106 Laudalkammen granite
- 107 Buråsbotnen augen gneiss (1088 Ma)
- 108 Undifferentiated metavolcanosedimentary rocks (1090 Ma)
- 109 Vikenegga tonalite (1130 Ma)

Vardeklettane Terrane (~ 1080-1135 Ma)

- 110 Granulite

- 87 Western granitic gneiss
- 88 Amphibolite
- 89 Sveabreen granitic gneiss (1070-1100 Ma)
- 84 Granitic gneiss and migmatite (1050-1200 Ma)
- 85 Heterogeneous migmatite (1050-1200 Ma)

Jutulrøra complex (~ 1130 Ma)

- 111 Banded gneiss
- 112 Quartz-feldspar gneiss

Fuglefjellet complex (~ 1130 Ma)

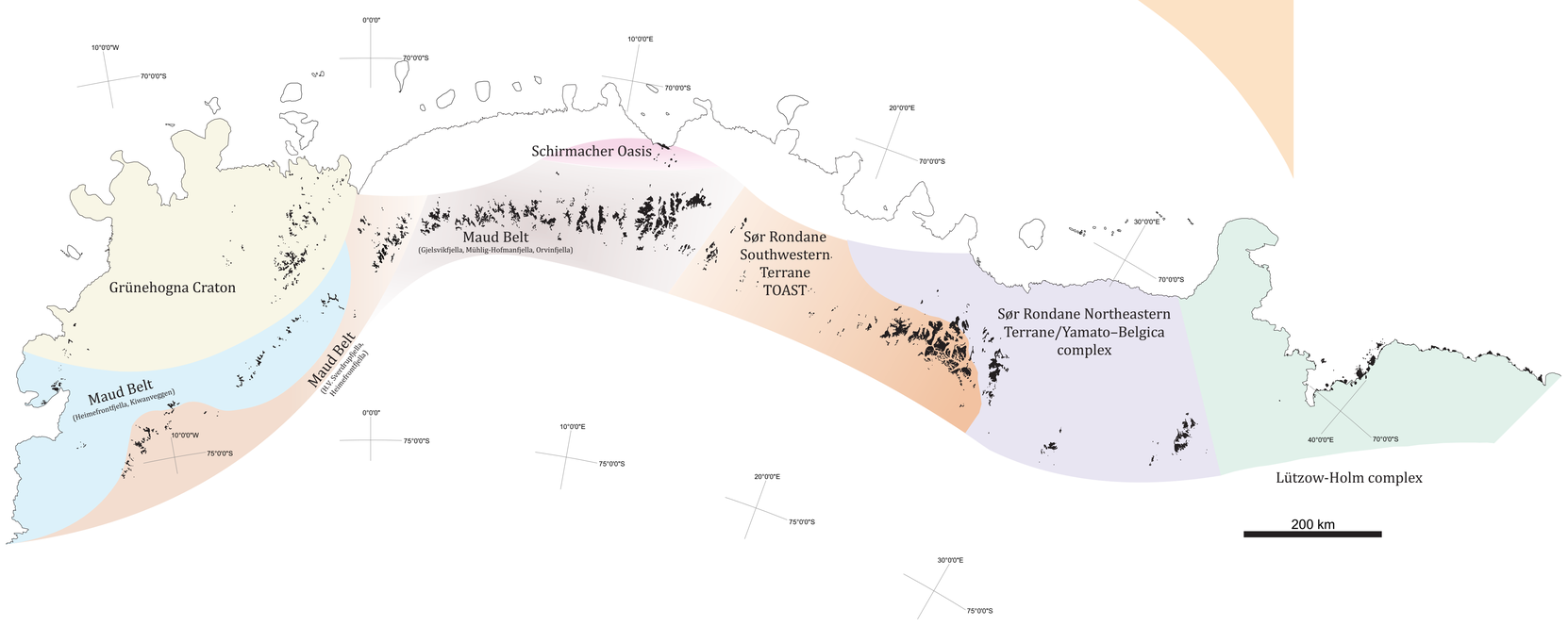
- 113 Marble and calc-silicate
- 114 Pelitic gneiss

Rootshorga complex (~ 1130 Ma)

- 115 Quartz-feldspar gneiss
- 116 Pelitic and semi-pelitic gneiss (ca. 1130 Ma)
- 117 Granitic gneiss (ca. 1131 Ma)

Sivorg Terrane (~ 1045-1170 Ma)

- 118 Cottontoppen granite
- 119 Refsdahlbrekka granodiorite
- 120 Worsfoldfjellet monzonorite (1045-1080 Ma)
- 121 Månesigden porphyritic granite (1050-1100 Ma)
- 122 Cottontoppen diorite
- 123 Granodiorite (Fish Gneiss - 1080 Ma)
- 124 Undifferentiated metavolcanosedimentary rocks
- 125 Metavolcanic rocks (1130-1170 Ma)
- 126 Metasedimentary rocks
- 127 Juckeskammen orthogneiss

Mesoarchean

- 129 Annandagstoppane granite and granodiorite (~ 3067 Ma)