dx Dolerite dykes, with abundant granite xenoliths locally; potassic alteration Quartz vein Apf Quartz(-feldspar) porphyry dyke; fine-grained; massive AgLkd AgLpc AgLmi AgLmw AgLpe *AgLmb AgLmm AgLmp

CARLINDI GRANITOID COMPLEX

c. 2940 Ma⁶

c. 2940 Mas

c. 2940 Ma⁶

c. 2930 Mg6

c. 2945 Ma⁶

c. 2945 Mg6

c. 2955 Ma⁵

< 2990 Ma⁶

c. 3020 Ma^{2 3}

AgLpe Pegmatite; metamorphosed

KADGEWARRINA MONZOGRANITE: muscovite-biotite(-garnet) monzogranite; equigranular to weakly porphyritic; massive to weakly foliated; metamorphosed

AgLpo POOCATCHE MONZOGRANITE: muscovite-biotite monzogranite; seriate to porphyritic; massive to weakly foliated; locally abundant pegmatite; metamorphosed Fine- to coarse-grained muscovite-biotite monzogranite; massive to weakly foliated; metamorphosed AgLmb

MINNAMONICA MONZOGRANITE: porphyritic biotite(-muscovite) monzogranite; fine- to coarse-grained; quartz and K-feldspar phenocrysts; AgLmi massive to weakly foliated; metamorphosed

AgLmw Biotite(-muscovite) monzogranite, equigranular to weakly K-feldspar porphyritic; locally highly leucocratic and ghost-banded; massive to weakly foliated; metamorphosed AgLmf Biotite monzogranite, strongly foliated; seriate to K-feldspar porphyritic; related to AgLmp; metamorphosed

AgLmm Mylonitized monzogranite; related to AgLmp; metamorphosed AgLmp Biotite monzogranite, porphyritic (K-feldspar) to seriate; massive to weakly foliated; locally strong flow-alignment; metamorphosed

AgLamf Diorite, granodiorite, monzogranite, and abundant felsic to mafic inclusions and dykes, strongly foliated; metamorphosed

AgImy AgIpe Aglth AgIt AgIpi Agimo AgIml AgIms AgImsl AgIch Aglchd AgIdhi Aglchn **▼** △AgIwa Agld Agldc Agldh Agldi Agidi

PIPPINGARRA GRANITOID COMPLEX MYANNA LEUCOGRANITE: biotite-muscovite monzogranite; locally with quartz and K-feldspar phenocrysts; massive to weakly foliated; metamorphosed AgImy

Pegmatite; metamorphosed AgIpe AgIth THELMAN MONZOGRANITE: fine- to medium-grained muscovite-biotite(-garnet) monzogranite; equigranular to weakly porphyritic;

massive to weakly foliated; metamorphosed AgItt TABBA TABBA LEUCOGRANITE: fine- to medium-grained biotite(-muscovite) granite; seriate to equigranular; massive to weakly foliated; metamorphosed

PETERMARER MONZOGRANITE: biotite-monzogranite; seriate to strongly K-feldspar porphyritic; massive to weakly foliated; locally with strong flow-alignment; locally abundant inclusions of CHILLERINA GRANODIORITE; metamorphosed AgIpr AgImq Leucocratic and porphyritic biotite monzogranite with quartz and feldspar phenocrysts; massive to weakly foliated; metamorphosed

AgIml Leucocratic biotite monzogranite; massive to weakly foliated; metamorphosed AgIms Biotite monzogranite, seriate to porphyritic K-feldspar; fine- to medium-grained; massive to weakly foliated; local strong flow-alignment; metamorphosed

AgImsx Biotite monzogranite, seriate to porphyritic K-feldspar with greenstone and granitoid inclusions; metamorphosed AgImsl Biotite monzogranite, seriate to porphyritic K-feldspar, highly leucocratic and locally strongly ghost-banded; metamorphosed CHILLERINA GRANODIORITE: hornblende-biotite granodiorite to K-feldspar porphyritic monzogranite; massive to moderately foliated; metamorphosed AgIch

AgIchd Granodiorite and monzogranite, strongly net-veined by diorite; metamorphosed AgIchi Granodiorite magmatically interleaved with massive to weakly foliated, seriate to K-feldspar-porphyritic leucogranite; injection migmatite; metamorphosed

AgIchm K-feldspar porphyritic monzogranite and lesser granodiorite; mesocratic; local inclusions of granodiorite; metamorphosed AgIchn Strongly foliated biotite(-hornblende) monzogranite, and granitic gneiss

AgIchp Plagioclase-porphyritic granodiorite; strongly foliated in shear zones; metamorphosed MALLINDRA WELL GRANODIORITE: hornblende-biotite granodiorite and tonalite; massive to moderately foliated; locally inclusion-rich; metamorphosed AgIlw

WALLAREENYA GRANODIORITE: hornblende-biotite granodiorite and tonalite; massive to moderately foliated; locally inclusion-rich; metamorphosed AgIwa AgId Hornblende-biotite diorite and granodiorite; massive to moderately foliated; locally inclusion-rich; metamorphosed Coarse-grained diorite and granodiorite; metamorphosed

AgIdc AgIdh Hornblende-megacrystic, coarse-grained diorite and gabbro; massive to weakly foliated; metamorphosed Magmatically interleaved metagabbro and coarse-grained diorite and granodiorite; metamorphosed

Unassigned units

AgIdi AgIdl Coarse-grained, leucocratic biotite(-hornblende) granodiorite and monzogranite; massive to moderately foliated; metamorphosed

AD(t) ADm AD(tgc) ADmhl **ADmhh**

ADCS AD(t) Turbiditi De Grey Group minor pebble beds and shale; metamorphosed $\textbf{MALLINA FORMATION:} \ \ \text{interbedded shale, siltstone, and}$ ADm AD(tqc) Turbiditic wacke; locally subarkosic; fine- to coarse-grained; abundant chert clasts; well-developed graded units; metamorphosed medium- to fine-grained wacke; minor layers of chert metamorphosed **ADmh** Chlorite-rich, laminated shale and siltstone; metamorphosed Cordierite hornfels, strongly contact-metamorphosed **ADmhh**

shale, siltstone, and wacke CONSTANTINE SANDSTONE

ADcs Poorly sorted subarkose and wacke; lesser interbeds of shale; metamorphosed

AGIc AGli AGIS AGIcw

Gorge Creek Group CLEAVERVILLE FORMATION Chert: metamorphosed **AGIc** Chert; weakly banded, grey and White; metamorphosed **AGICW** Banded iron-formation; locally includes banded quartz-magnetite-grunerite rock; metamorphosed AGli

AGIs Metamorphosed, fine- to medium-grained wacke; locally interleaved with serpentine- and tremolite-rich

schist and metamorphosed iron-formation and ferruginous siltstone

As Aci Acq Anp

Aci Banded iron-formation; locally includes banded quartz-magnetite-grunerite rock; metamorphosed Acil Banded iron-formation; strongly recrystallized and limonitized Banded White and grey chert, and quartzite; local minor jaspilite and iron formation: Acq

locally includes banded quartz-grunerite rock; metamorphosed Anp Paragneiss; medium-grained, strongly recrystallized sedimentary rock

Afp Afs Afp Feldspar porphyry; locally with hornblende phenocrysts; metamorphosed Afpx Metamorphosed feldspar porphyry containing abundant greenstone xenoliths

Afs $Quartz-sericite(-feldspar-epidote-actinolite)\ schist$

Aod Aog Aogm Aogs

Aod Dolerite; metamorphosed Medium- to coarse-grained metagabbro; foliated to massive Aogm Melanogabbro; massive to moderately foliated; metamorphosed

Aogs Fine- to medium-grained plagioclase-hornblende-actinolite-epidote schist after gabbro; locally includes interleaved talc-serpentine-chlorite schist Aogsf Fine- to medium-grained plagioclase-hornblende-actinolite-epidote schist; includes abundant interleaved quartz-sericite-epidote schist

Ab Abao Abaog Abm Abus Abau Ab Metabasalt; locally plagioclase-phyric Amphibolite; fine- to medium-grained amphibole-plagioclase-quartz-sericite-epidote rock Aba

Abao Medium-grained amphibolite Abaog Medium-grained garnetiferous amphibolite Abaoz Amphibolite; silicified

Abau Interleaved amphibolite and talc-tremolite-serpentine-chlorite schist Abm High-Mg basalt and olivine basalt; locally preserved pyroxene-spinifex textures; metamorphosed Abus Interleaved actinolite schist, talc-tremolite-chlorite schist, and quartz-sericite schist; locally mylonitized

Aubs/ Aur Aud Aurg Aurs Aus

Talc-tremolite-chlorite schist interleaved with amphibolite and actinolite schist Aubs Dunite replaced by serpentine(-talc-tremolite-chlorite) rock; locally preserved, medium-grained olivine-cumulate texture Aud

Aur Tremolite-chlorite-talc schist Aurg Tremolite-chlorite-talc schist; intruded by abundant granitic dykes

Aurs Tremolite-chlorite-talc schist interleaved with metasedimentary rocks Aus Serpentinite; serpentine-tremolite(-talc-chlorite) rock after peridotite; locally preserved, medium-grained olivine-cumulate texture

Aut Talc-serpentine-chlorite schist; locally preserved olivine- and pyroxene-spinifex textures Interleaved talc-serpentine-chlorite schist, quartz-sericite schist, cordierite hornfels, and actinolite schist Auts

AWeb v AWec AWeb Fine- to medium-grained mafic schist and amphibolite; after tholeitic and high-Mg basalt, and dolerite sills

AWebo Carbonate-altered and schistose basalt; local intense silicification; metamorphosed AWebl Komatiitic basalt and komatiite; locally pillowed and with olivine-spinifex texture; metamorphosed **AWec** Carbonate-altered and silicified, fine- to medium-grained mafic schist after basalt

AgLmx AgLm

AgLut

AgLutx Interleaved monzogranite, granodiorite, gneiss, and pegmatite, with abundant greenstone xenoliths; metamorphosed

Fine- to coarse-grained biotite monzogranite, with abundant greenstone xenoliths; metamorphosed AgLmx

Pilbara Supergroup

Jnassigned

Warrawoona Group

c. 3485 Ma⁴

c. 3475 Ma

c. 3515 Ma¹

Pilbara Supergroup

Coonterunah Group

AOt AOtbo

TABLE TOP FORMATION: fine- to medium-grained amphibolite; after tholeiitic basalt and dolerite Interleaved chlorite schist, amphibolite, talc schist, and metamorphosed banded iron-formation

CARLINDI GRANITOID COMPLEX MOTHERIN MONZOGRANITE: interleaved monzogranite, granodiorite, gneiss, and pegmatite; moderately to strongly foliated; and intruded by abundant sheets of massive to weakly foliated muscovite-bearing monzogranite and pegmatite; metamorphosed AgLm Fine- to coarse-grained biotite monzogranite; metamorphosed

AOcb COUCAL FORMATION: mafic schist and amphibolite; locally silicified

PILBARA CRATON