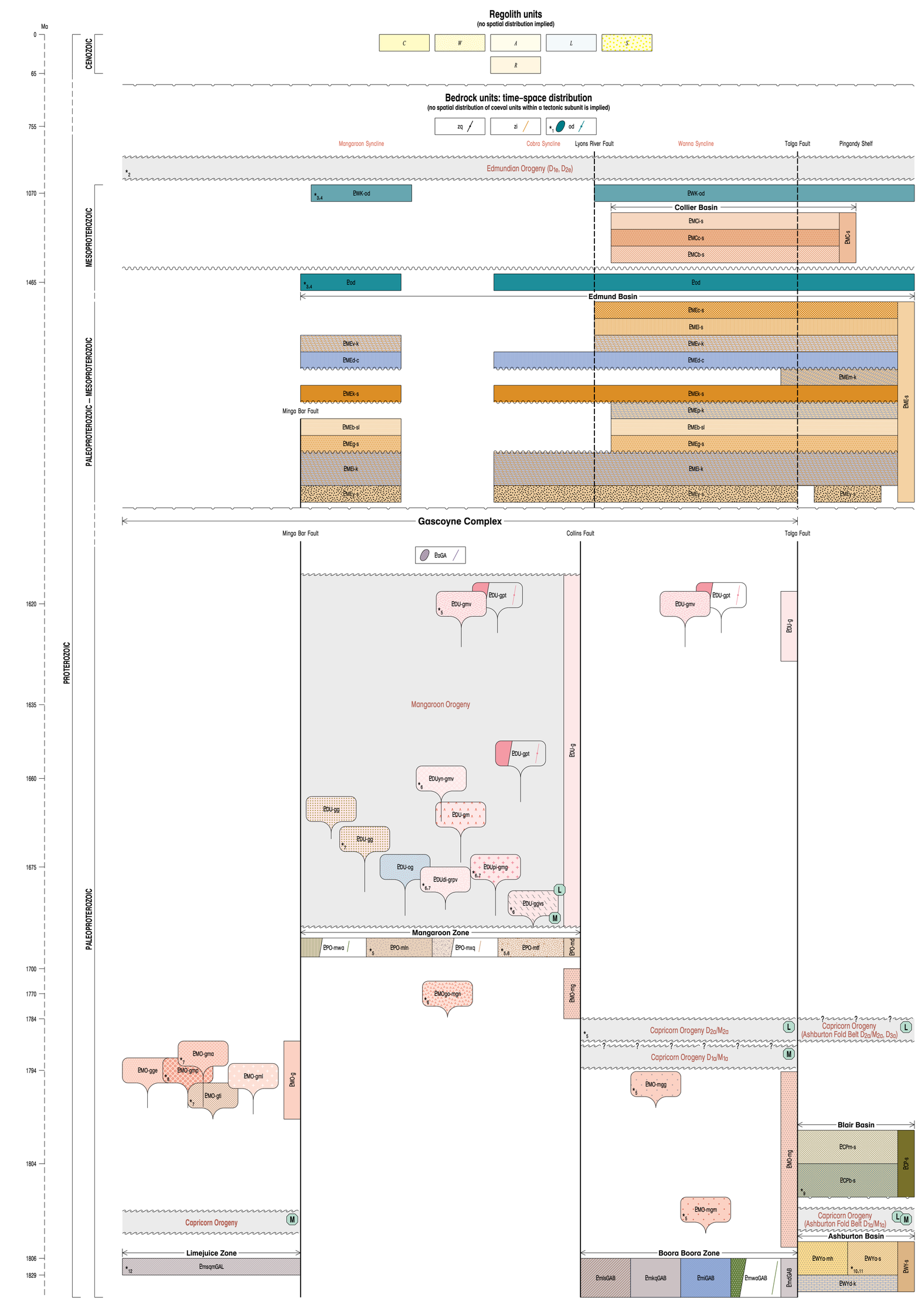

REFERENCE

Colluvial unit
C Proximal mass-wasting deposits in an unconsolidated to partly consolidated, weakly cemented and compacted, silt and sand matrix; includes ferruginous deposits

Sheetwash unit
W Sandy and clayey distal sheetwash and slope deposits; no clearly defined drainage

Alluvial unit
A Silt, sand, and gravel in drainage channels and adjacent to floodplains; includes ferruginous deposits

Locustrine unit
L Unconsolidated, fine-grained deposits in claypans, perennial lakes, and swamps; low-lying areas with internal drainage; usually thickly vegetated

Sandplain unit
S Quartz sand of mixed origin; includes residual and eolian sands

Residual or relict unit
R Consolidated and cemented deposits, dissected by present-day drainage lines; includes lateritic, ferruginous, and manganiferous duricrust, calcrete and silicified calcrete, silcrete, weathered quartzofeldspathic rock, and saprolite

zq Quartz veins, of various ages

zi Ferruginous veins and linear alteration zones containing hematite–magnetite–chalcedony rock, saussiterized feldspar–quartz–phlogopite–geothite–hematite–chalcedony rock, and quartz–sericite–phlogopite rock with bath clay and opaque minerals

od Dolerite dykes, sills, and small intrusions, of various ages; one suite dated at c. 755 Ma (*1); includes minor quartz diorite, tonalite, and biotite monzogranite

EWK-od **Warakurna large igneous province:** dolerite and gabbro sills intruded into Edmund Group and Collier Group

EMC-s **Collier Group:** undivided; thin- to thick-bedded sandstone, quartz sandstone, conglomerate, siltstone, mudstone, thin- to thick-bedded dololutite, dolomitic siltstone, and dolarenite; minor chert
EMCi-s **ILGARARI FORMATION:** siltstone, mudstone, and fine-grained sandstone
EMCc-s **CALYIE FORMATION:** quartz sandstone, siltstone, mudstone, conglomerate, and dolostone
EMCb-s **BACKDOOR FORMATION:** siltstone, mudstone, and thin- to thick-bedded sandstone; minor chert and dolostone

Eod Undivided; dolerite and gabbro sills intruded into Edmund Group; oldest suite dated at c. 1465 Ma, and youngest suite (EWK-od) dated at c. 1070 Ma

EME-s **Edmund Group:** undivided; sandstone, siltstone, mudstone, dolostone, and chert; minor conglomerate
EMEc-s **COODARDOO FORMATION:** thin- to very thick-bedded lithic quartz sandstone; minor siltstone and mudstone
EMEi-s **ULLAWARRA FORMATION:** siltstone, fine-grained sandstone, dolostone, and chert; intruded by numerous dolerite sills (Eod)
EMEv-k **DEVIL CREEK FORMATION:** laminated dolostone and dolomitic siltstone; local thick-bedded doloruditе
EMEd-c **DISCOVERY FORMATION:** massive or laminated chert, silicified mudstone, and siltstone; local silicified sandstone and conglomerate
EMEm-k **MUNTHARRA FORMATION:** thin- to thick-bedded dolostone and stromatolitic dolostone, and sandstone and siltstone
EMEk-s **KIANGI CREEK FORMATION:** siltstone, mudstone, and thin- to very thick-bedded quartz sandstone; minor dolostone and conglomerate
EMEp-k **CHEYNE SPRINGS FORMATION:** dololutite, dolarenite, dolorudite, mudstone, siltstone, and minor sandstone
EMEb-sl **BLUE BILLY FORMATION:** siltstone and mudstone; minor thin- to thick-bedded sandstone; locally sulfidic
EMEg-s **GOORAGOORA FORMATION:** fine- to coarse-grained sandstone and siltstone; minor conglomerate, dolostone, and dolomitic siltstone
EMEi-k **IRREGULLY FORMATION:** stromatolitic and non-stromatolitic dolostone, dolomitic siltstone, quartz sandstone, and conglomerate
EMEy-s **YILGATHERRA FORMATION:** sandstone, siltstone, conglomerate, and dolostone

EaGA Ultramafic sills and dykes

EDU-g **Durlacher Supersuite:** undivided; monzogranite and granodiorite, and minor tonalite and syenogranite
EDU-gpt Tourmaline–muscovite pegmatite and coarse-grained granite, and fine-grained leucocratic tourmaline–muscovite monzogranite
EDU-gmv Cream, medium-grained muscovite–biotite granodiorite and monzogranite; equigranular or weakly porphyritic
EDUyn-gmv **YANGIBANA GRANITE:** equigranular to locally weakly porphyritic, medium-grained biotite–muscovite monzogranite; locally contains tourmaline; may contain inclusions of metasedimentary rock or porphyritic granodiorite
EDU-gm Equigranular or porphyritic biotite–muscovite monzogranite; medium-grained
EDU-gg Massive, equigranular, or porphyritic biotite granodiorite; medium-grained
EDU-og Massive metagabbro with xenocrysts of quartz and K-feldspar
EDUdi-grpv **DINGO CREEK GRANITE:** porphyritic biotite–muscovite granite; fine- to medium-grained with thin, tabular K-feldspar phenocrysts defining a trachytic texture
EDUpi-gmg **PIMBYANA GRANITE:** massive, medium-grained, megacrystic and porphyritic biotite(–muscovite) monzogranite; tabular megacrysts of K-feldspar up to 7-cm long; minor fine- to medium-grained biotite tonalite and granodiorite
EDU-ggvs Schlieric, medium-grained biotite–muscovite granodiorite with abundant inclusions of metasedimentary rock and augen gneiss; minor flow-banded biotite–muscovite monzogranite with inclusions

EPO-md **Pooranoo Metamorphics:** undivided; pelitic gneiss and granofels and metamorphosed feldspathic sandstone and psammitic schist
EPO-mln Pelitic gneiss and granofels composed of biotite–muscovite–quartz–plagioclase–sillimanite; also includes migmatitic pelitic gneiss
EPO-mtf Metamorphosed felspathic sandstone and psammitic schist; includes interbedded pelite, quartzite, and metamorphosed granule conglomerate
EPO-mxq Metamorphosed cobble- and pebble-conglomerate, quartz sandstone, and pebbly quartz sandstone
EPO-mwa Amphibolite and actinolite–plagioclase schist

EMO-g **Moorarie Supersuite:** undivided; monzogranite, granodiorite, and tonalite
EMOgo-mgn **GOOCHE GNEISS:** strongly foliated, porphyritic granodiorite and monzogranite, and augen gneiss
EMO-gma Fine-grained, leucocratic biotite monzogranite
EMO-gml Massive, equigranular, medium-grained, leucocratic biotite monzogranite
EMO-gmp Massive, medium-grained, porphyritic biotite monzogranite; round phenocrysts of K-feldspar up to 5 cm in diameter; minor fine- to medium-grained, sparsely porphyritic monzogranite
EMO-gge Equigranular to sparsely porphyritic, medium-grained biotite(–muscovite) granodiorite
EMO-gti Medium- to coarse-grained tonalite with abundant mafic clots; lesser medium-grained granodiorite with scattered mafic clots
EMO-mg Metamorphosed monzogranite, granodiorite and tonalite
EMO-mgg Foliated and gneissic granodiorite and tonalite; weakly pegmatite banded
EMO-mgm Pale-grey, foliated and gneissic monzogranite

EmsqmGAL Quartz–mica schist and metamorphosed fine-grained sandstone

EmdGAB Pelitic, psammitic and calc-silicate schist, and gneiss, amphibolite, and metamorphosed iron formation
EmlsGAB Pelitic to psammitic schist; includes muscovite–quartz–andalusite–garnet–plagioclase–biotite schist
EmkqGAB Calc-silicate gneiss and schist
EmiGAB Metamorphosed banded and granular iron-formation
EmwaGAB Amphibolite and hornblende schist

ECP-s **Capricorn Group:** undivided; ferruginous and quartzitic sandstone, ferruginous siltstone and mudstone, conglomerate, dolostone, and felsic volcanic rock
ECPm-s **MOOLINE FORMATION:** fine- to very coarse-grained sandstone, siltstone, conglomerate, dolostone, dolomitic siltstone, and felsic volcaniclastic sandstone
ECPb-s **BYWASH FORMATION:** thin- to very thick-bedded medium- to very coarse-grained sandstone, dolomitic sandstone, dolostone, dololutite, dolorudite, and felsic volcanic rock

EWY-s **Wyloo Group:** undivided; conglomerate, ferruginous and quartzitic sandstone, ferruginous siltstone and mudstone, dolostone, and felsic volcanic rock
EWYa-mh **ASHBURTON FORMATION:** metamorphosed; interbedded psammite and pelite; includes quartz–muscovite–biotite–cordierite–andalusite–garnet schist and quartz–muscovite–biotite–staurolite schist; upper-greenschist to amphibolite facies
EWYa-s **ASHBURTON FORMATION:** siltstone, thin- to very thick-bedded lithic quartz sandstone, pebble- to cobble-conglomerate, and felsic volcanic rock; lower greenschist facies
EWYd-k **DUCK CREEK DOLOMITE:** thin- to thick-bedded laminated dolostone

SYMBOLS

Geological boundary
exposed
concealed
Fault
exposed
normal, exposed, tick on downthrown side
thrust, exposed, triangle on upthrown side
reverse, exposed, triangle on upthrown side
relative displacement
concealed
concealed, position uncertain
concealed, interpreted from aeromagnetic data
Fold, showing axial trace and generalized plunge direction
anticline; exposed, concealed
syncline; exposed, concealed
antiform; exposed, concealed
synform; exposed, concealed
Small-scale fold axial surface, showing strike and dip
inclined
vertical
Small-scale fold axis, showing trend and plunge
unspecified
anticline
syncline
S-vergence
M-vergence
Z-vergence
Bedding, showing strike and dip
inclined
overturned
Trend of bedding of foliation
Metamorphic foliation, showing strike and dip
inclined
vertical

Gneissic banding, showing strike and dip
inclined
Cleavage, showing strike and dip
inclined
vertical
Crenulation cleavage, showing strike and dip
inclined
Axis of crenulation, showing trend and plunge
inclined
Bedding–cleavage intersection lineation, showing trend and plunge
inclined
Airphoto lineament
unspecified
Aeromagnetic lineament
Isotopic age determination site with identification number
Road; unsealed
Major track
Track
Landing ground
Homestead
Locality
Building
Yard
Microwave repeater station
Reserve boundary
Horizontal control; major, minor
Breakaway
Watercourse with ephemeral pool or waterhole
Playa lake
Spring
Bore, well
Windpump, solar pump
Ullawarra
Coolinbah Outcamp
Yard
Spring
Bore
Well