С	Сн	Crg Crq	Ŵic	Wa	Wd	Ŵf
Aa	Ac	Ar Av				
Lc	L _d eg	Li La	Likc	Lp	Lk	E _e q

Colluvial units

- Cff Colluvial footslope deposits containing ferruginous gravel and reworked ferruginous duricrust
- Colluvial footslope containing quartzofeldspathic gravel, sand, and silt commonly derived from granite and associated weathering products Cfg Cŕq Quartz-vein debris on colluvial footslope

Sheetwash units

- WfC Very low gradient sheetflood deposits, with numerous claypans; includes sand and silt
- Wf Clay, silt, and sand with abundant ferruginous grit on sheetflood fan
- Wfl Clay, silt, and sand on sheetflood fan; local ferruginous gravel
- Wf Clay, silt, and sand sheetwash deposits, with abundant ferruginous grit

Alluvial units

Ak

Lp

PHANEROZOIC

PROTEROZOIC

CENOZOIC

- Clay, silt, sand, and gravel on alluvial plains
- Clay, silt, sand, and gravel in fluvial channels
- Clay, silt, and sand on floodplains
- Alluvial fan deposits; includes gravel, sand, and silt
- Calcrete and carbonate-cemented alluvium in fluvial channels

Lacustrine units Lc

- Clay and silt in lakes and localized depressions
- Lithified and unconsolidated gypsum and clay, in mounds and dunes adjacent to playa lakes Ldeg
- Lf Freshwater lakes, commonly surrounded by swamps Lgk
- Bedded carbonate, silt, and clay deposits in shallow lakes adjacent to streams and rivers Likc Calcareous lake deposit; predominantly cemented calcite
- Saline and gypsiferous evaporite deposits, clay, silt, and sand in playa lakes
- Lk Calcrete and carbonate deposits within lake systems

Eolian unit

Eolian sand, in sheet deposits and dunes; iron-stained Eeq



Lacustrine unit, second generation

Ld1 Dune and lake deposits; active systems within and adjacent to playa lakes; non-vegetated or poorly vegetated



Lacustrine unit, first generation

Stabilized dunes within and adjacent to playa lakes; typically vegetated $L_d 2$

$ \begin{array}{c} \Lambda \eta \\ + + + + + \lambda \eta g + + + + + + + + + + + + + + + + + +$	$R_{r}f$ + + + + + + + + + + + + + + + + + + +	$\begin{array}{c} + + + + + + + + + + + + + + + + + + +$	R _i zz R _i g	RJ Rk Rkpg
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Residual or relict units

- **R**_rf Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products
- Ferruginous duricrust, massive to rubbly; derived from granitic rocks; includes iron-cemented reworked products *R*_rfpg
- Undivided residual or relict material; mainly ferruginous and quartzofeldspathic duricrust over deeply weathered granite; minor kaolinized rock; includes mottled and leached zones of weathering profile *R_rgpg*

ABRtg-gmv

- *R_rzz* Silcrete; cobbles of silicified rock in silica cement
- Quartzofeldspathic sand, commonly over granite Rsg
- Yellow sand with minor pisolitic laterite, ferruginized silcrete, silt, and clay; common on low plateaus associated with weathered granite Rsl
- Residual calcrete and nodular carbonate deposits; includes reworked carbonate products Rk
- Calcrete and nodular carbonate, developed over deeply weathered granite; includes reworked carbonate products Rkpg



Dolerite dyke, sill or plug; fine- to medium-grained dolerite and gabbro

Quartz vein or pod; massive, crystalline, or brecciated; age uncertain





- ABRga-gm GARDEN ROCK MONZOGRANITE: monzogranite to syenogranite; undeformed
- ABRtg-gm TELEGOOTHERRA MONZOGRANITE: monzogranite to syenogranite; undeformed, but with common igneous flow fabrics
- ABRtg-gmdv $\label{eq:masses} Muscovite-bearing \ pegmatitic \ monzogranite \ to \ syenogranite; \ undeformed$
- ABRtg-gmv Muscovite-bearing monzogranite; medium to coarse grained; undeformed

Deformation Event 2 (D₂: 2665–2640 Ma)

Amzq-YMU Agmap-YMU Amza-YMU Metamorphosed hydrothermal vein quartz; sucrosic, recrystallized texture; locally foliated and/or lineated Fine-grained porphyritic monzogranite, as dykes; weakly metamorphosed; locally foliated Agmap-YMU

	AJU-xmgn-mws	AJU-mgmm	× × × × × × × × × × × × × × × × × × ×	AJUcl-mgms
51				

Metagranite interleaved with subordinate, foliated, metamafic rock; gneissic banding developed locally AJU-xmgn-mws

- AJU-mgmm Muscovite metagranite; medium to coarse grained, equigranular; foliated AJU-mgms Foliated biotite metamonzogranite; minor metagranodiorite, metasyenogranite, and pegmatite; fine to coarse grained; locally gneissic
- AJUcl-mgms CHUNDERLOO MONZOGRANITE: biolite melamonzogranite; commonly with abundant K-feldspar phenocrysts/porphyroclasts; well foliated to mylonitic; may include amphibolite lenses

ARCHEAN

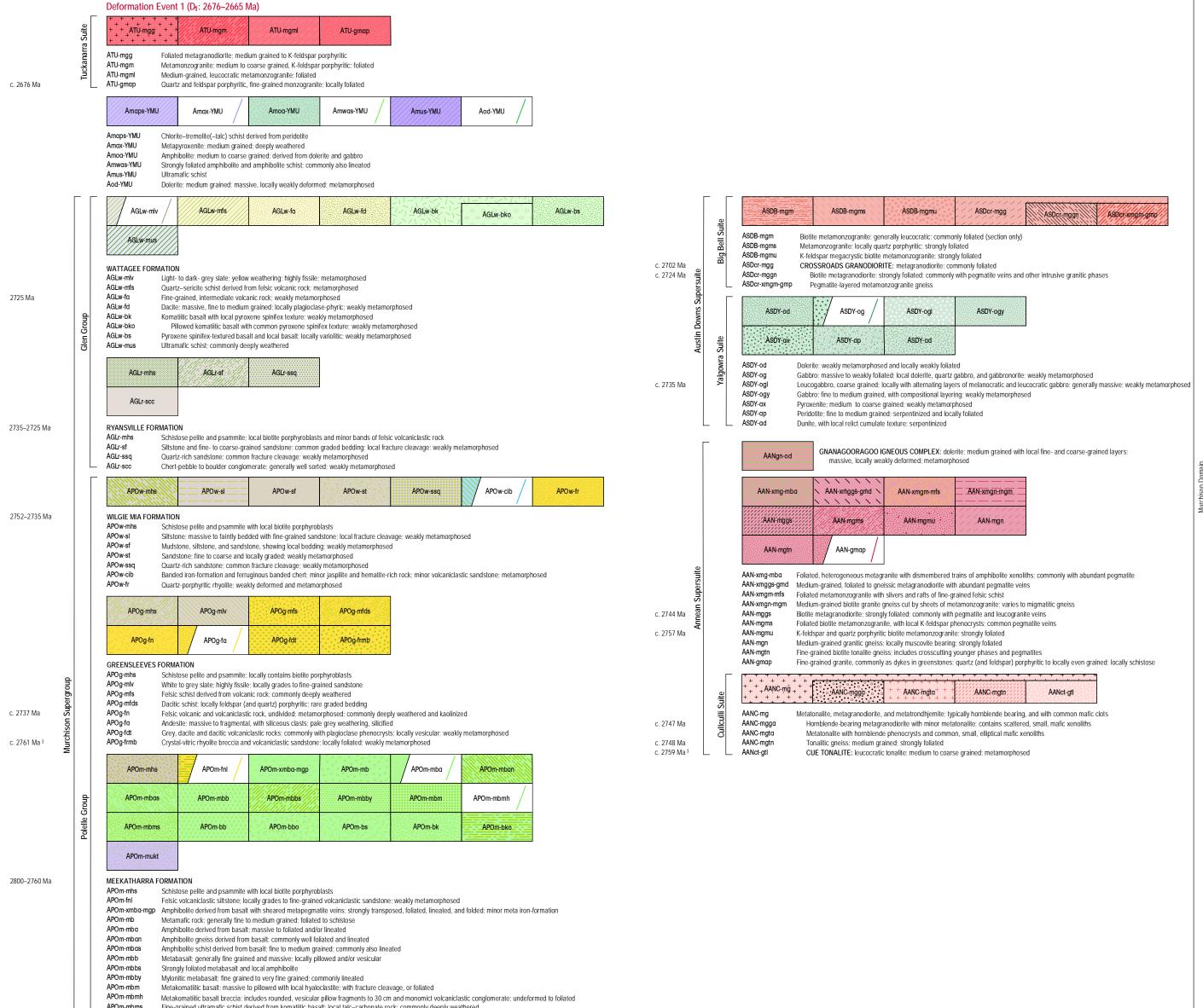
c. 2617 Ma ¹

c. 2623 Ma

Rock

Balc

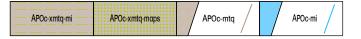
Colluvium derived from different rock types; includes gravel, sand, and silt



Fine-grained ultramafic schist derived from komatilitic basalt; local talc-carbonate rock; commonly deeply weathered APOm-mbms

APOm-bb Basalt; massive to weakly foliated; locally pillowed and/or vesicular; metamorphosed

APOm-bbo Pillowed basalt; locally fractured to foliated; weakly metamorphosed APOm-bs Pyroxene spinifex-textured basalt and minor basalt; locally variolitic; metamorphosed APOm-bk Komatiitic basalt; locally pillowed and/or variolitic; fractured to locally foliated; weakly metamorphosed APOm-bko Pillowed komatiitic basalt; local fine pyroxene spinifex texture; weakly metamorphosed APOm-mukt Talc-carbonate(-chlorite-serpentine) schist derived from ultramafic volcanic rock; commonly deeply weathered and lateritized





2815-2800 Ma

c. 2820 Ma

COODARDY POOL FORMATION

APOc-xmta-mi Quartzite and metamorphosed iron formation; well foliated

- APOc-xmtq-maps Quartzite with interlayered metaperidotite schist
- APOc-mtq Quartzite; medium grained; foliated
- APOc-mi Metamorphosed iron formation; weakly layered; strongly foliated

YALOGINDA FORMATION: felsic volcaniclastic rocks and banded iron-formation; local quartzite; widely intruded by layered gabbroic to periodotite sills; metamorphosed (section only) ANOy-xf-cib

MURROULI BASALT: strongly foliated metabasalt and local amphibolite ANOm-mbbs

ALGARN CRAT Youanmi