С	Crf Crg Crd Crm	Wc Wf Wg
Ac	Adi	

Colluvial units С

- Colluvium derived from different rock types; includes gravel, sand, and silt Cff
- Colluvial footslope containing ferruginous gravel and reworked ferruginous duricrust Colluvial footslope containing quartzofeldspathic gravel, sand, and silt commonly derived from granite and associated weathering products Colluvial footslope deposits derived from different rock types; includes gravel, sand, and silt
- C_fg C_fl
- Colluvial footslope containing ferromagnesian gravel, sand, and silt commonly derived from mafic/ultramafic rocks and associated weathering products Cfm

Sheetwash units

- Wc Very low gradient sheet flood deposits, with numerous claypans; includes sand and silt
- Wf Clay, silt, and sand sheetwash deposits, with abundant ferruginous grit
- Clay, silt, and sand sheetwash deposits, commonly derived from granitic rock Clay, silt, and sand sheetwash deposits with abundant quartz-vein debris Wg
- Wq

Alluvial units

Ai

- Clay, silt, sand, and gravel in fluvial channels Ac Clay, silt, and sand in braided swales on floodplains Ad
- Sand, silt, and clay in alluvial drainage depressions, claypans, and ephemeral floodplain lakes; low-lying areas with internal drainage

	and a state of	0	
Ld	Ldeg	· . · Lm · · · ·	Lp
		°	

Lacustrine Units

- Ld Sand, silt, and gypsum in dunes adjacent to and within playa lakes
- Lithified to unconsolidated gypsum and clay, in mounds and dunes adjacent to playa lakes Mixed dunes, evaporite, and alluvial deposits; typically adjacent to playa lakes Ldeg Lm
- L_p Saline and gypsiferous evaporite deposits, clay, silt, and sand in playa lakes
- Ld1

Lacustrine unit, second generation

Dune and lake deposits; active systems within and adjacent to playa lakes; non-vegetated or poorly vegetated $L_d 1$



Lacustrine unit, first generation

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

	<i>R</i> _r f	Rsf	Rsg	Rsk
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Residual or relict units

Pod

zq

ABRga-gm

ABRga-gm

ABRga-gmp

ABRtg-gm

- *R*_rf Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products
- $R_{s}f$ Residual sand and minor gravel derived from ferruginous duricrust R_sg R_sk Quartzofeldspathic sand, commonly over granite
 - Residual sand and calcrete: nodular and pisolitic



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

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

GARDEN ROCK MONZOGRANITE: monzogranite to syenogranite; undeformed

K-feldspar porphyritic monzogranite; undeformed; common magmatic foliation

ABRtg-gma

TELEGOOTHERRA MONZOGRANITE: monzogranite to sygnogranite; undeformed; common magmatic foliation

ABRtg-gmp

ABRtg-gm

PROTEROZOIC

PHANEROZOIC

CENOZOIC

c. 2623 Ma

Bald Rock Supersuite

Walganna Suite

c. 2676 Ma

c. 2680 Ma²³

ARCHEAN



ABRga-gmp

Deformation Event 2 (D 2: 2665-2640 Ma)



AgYMU Granitic rock, undivided; metamorphosed (section only) AgmapYMU Fine-grained porphyritic monzogranite, as dykes; weakly metamorphosed; locally foliated AgvlqYMU Quartz-plagioclase granophyre; locally strongly foliated

Deformation Event 1 (D₁: 2676-2665 Ma)

ATU-xgmfp-gma	ATU-mgmu		ATUgmfe	ATU-gmfp	ATU-gmfs				
ATU-xgmfp-gmal	K-feldspar megacrysti	c, flow-banded monzogr	anite intruded by und	deformed fine-grained g	granite with common mag				
ATU-mgmu	K-feldspar megacrysti	c biotite metamonzograr	nite; strongly foliated						
ATU-gmal	Fine-grained granite; undeformed; common magmatic foliation								
ATU-gmfe	Monzogranite to syenogranite; undeformed; common magmatic foliation								
ATU-gmfp	K-feldspar porphyritic monzogranite to syenogranite; undeformed; common magmatic foliation								
ATU-gmis	wonzogranite to syen	ogranite; undeformed; co	ommon magmatic to	liation					
ATUcu+momu	ATUcu-mamy	ATUcu-amal	ATUcu-amfe	ATUcu-amfp					
, , , , , , , , , , , , , , , , , , ,									
CUNDIMURRA MONZOGRANITE:									
ATUcu-mgmu	K-feldspar megacr	ystic biotite metamonzo	granite; strongly folia	ated					
ATUcu-mgmy	Meta biotite monzo	ogranite; mylonitic; comr	nonly with pegmatite	e veins and other intrus	ive granitic phases				
ATI Iou amal	First sector of laws								

///ocu gillui	r me-gramed iedeocratic monzogramic, underormed, common magnatic ronation
ATUcu-gmfe	Equigranular monzogranite to syenogranite; undeformed; common magmatic foliation
ATUcu-gmfp	K-feldspar porphyritic monzogranite to syenogranite; undeformed; common magmatic foliation



Quartz-mica schist: commonly as discontinuous septa within granites AmsqmYMU Meta-andesite; massive to fragmental; commonly strongly deformed AmfasYMU



AmwasYMU Strongly foliated amphibolite and amphibolite schist: commonly also lineated AodYMU Dolerite; medium grained; massive, locally weakly deformed; metamorphosed

AogYMU Gabbro; coarse grained; massive, locally weakly deformed; locally contains dolerite, quartz gabbro, and gabbronorite; metamorphosed

AogdYMU Pegmatoidal gabbro; coarse grained, massive; commonly strongly deformed; locally contains dolerite and quartz gabbro; metamorphosed



AmusYMU Ultramafic schist

ANOm-mbbs

ANOm-must

AapuYMU Peridotite; coarse grained; massive, locally weakly deformed; metamorphosed

te	fe	ASDB-mgms	ASDB-gme	ASDB-gmel	ASDer-mggn	
vns Supersui	Big Bell Sui	ASDB-mgms Metamonzogranite; locally quartz porphyritic; strongly foliated ASDB-gme Monzogranite to syenogranite; undeformed, locally with magmatic foliation ASDB-gmel Monzogranite to syenogranite; leucocratic; undeformed; locally with magmatic foliation CROSSROADS GRANODIORITE				
tin Dov		ASDcr-mggn	Biotite metagranodio other intrusive g	rite; strongly foliat ranitic phases	ed; commonly with pegmatite veins and	
Aus	Yalgowra Suite	Å\$DY⊧og	Gabbro; massive to and gabbronorite	weakly foliated; lo ; weakly metamor	cal dolerite, quartz gabbro, phosed	
Annean Supersuite	Cullculli Suite	AANC-mgtn	Tonalitic gneiss; me	dium grained; stror	ngly foliated	

		APOm-mhs	APOm-mibs	APOm-mbas	APOm-mbba	
		APOm-mbm	APOm-mbms	APOm-bb	APOm-bk	APOm-mukt
2800–2760 Ma	Polelle Group	M APOm-mhs APOm-mbas APOm-mbaa APOm-mbm APOm-mbm APOm-bb APOm-bb APOm-bk APOm-bk	EEKATHARRA FOR Schistose pelite and Strongly foliated me Amphibolite schist d Amphibolite derived Metakomatilitic basa Fine-grained ultram Basalt; massive to v Komatilitic basalt; lon Talc-carbonate (-cł	MATION I psammite with local ta banded iron-format lerived from basalt; fir from basalt; massive It; massive to pillowe afic schist derived froi veakly foliated; locally cally pillowed and/or v nlorite-serpentine) sch	biotite porphyroblasts tion ne to medium grained; to foliated and/or lined d with local hyaloclasti m komatilitic basalt; loc pillowed and/or vesici ranolitic; fractured to lo nist derived from koma	commonly also lineated ated ite; with fracture cleavage, or foliated cal talc-carbonate rock; commonly deeply weathered ular; metamorphosed ocally foliated; weakly metamorphosed atilitic rocks; commonly deeply weathered and lateritized
Iurchison Supergrou		ANOy-xf-cib	ANOy-mhs /	ANOy-mcbs	ANOy-mib ANOy-muy	ANOy-xcxj-mus
2815-2805 Ma ≥	Norie Group	ANOy-xt-cib Y ANOy-mhs ANOy-mcbs ANOy-mib ANOy-xcxj-mus ANOy-mbbs ANOy-muq ANOy-muy	ALOGINDA FORMA peridotitic sills; meta Psammilic and pelit Strongly foliated me Meta banded iron-fc Mixed jaspilitic cher Strongly foliated me Silicified meta-ultrar Mylonitized meta-ult	I ION: Telsic Volcanicla amorphosed is schist interlayered i tachert, locally ferrug yrmation; typically with t and iron formation, i tabasalt and local am mafic rock tramafic rock	astic rocks and banded on a metre to decament inous n coarse, granular, and nterlayered with ultram phibolite	d iron-formation; local quartzite; widely intruded by layered gabbroic to tre scale; locally strongly sheared d recrystallized magnetite crystals; foliated nafic schist
c. 2820 Ma		ANOm-mb ANOm-mb N	ANOm-mibs	ANOm-mbbs metabasalt and meta	ANOm-must komatiitic basalt	

Strongly foliated metabasalt and local amphibolite

Tremolite-chlorite-talc schist

Murchison Domair