

PHANEROZOIC

CENOZOIC

C	Cf	Cg	Cmp <sub>r</sub>	W	Wf	Wg	Wq	
A	Ac	Ad	Av	Ld	Lgk	Lm	Lp	S

**Colluvial units**  
 C Colluvium derived from different rock types; includes gravel, sand, and silt  
 Cf Ferruginous gravel and reworked ferruginous duricrust  
 Cg Quartzofeldspathic gravel, sand, and silt commonly derived from granitic rock and associated weathering products  
 Cmp<sub>r</sub> Lithic-rich colluvium dominated by mafic and ultramafic rock

**Sheetwash units**  
 W Clay, silt, and sand in extensive fans; local ferruginous gravel  
 Wf Clay, silt, and sand with abundant ferruginous gnt  
 Wg Clay, silt, and sand sheetwash deposits, commonly derived from granitic rock  
 Wq Clay, silt, and sand sheetwash deposits with abundant quartz-vein debris

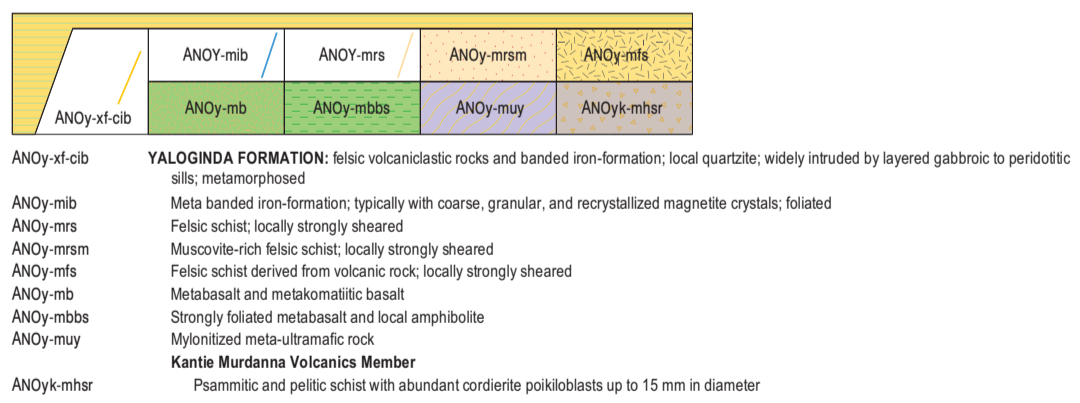
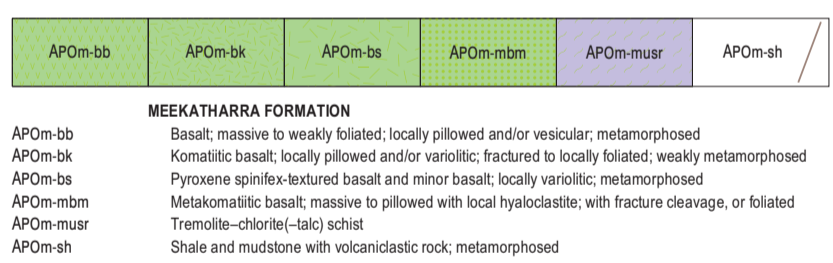
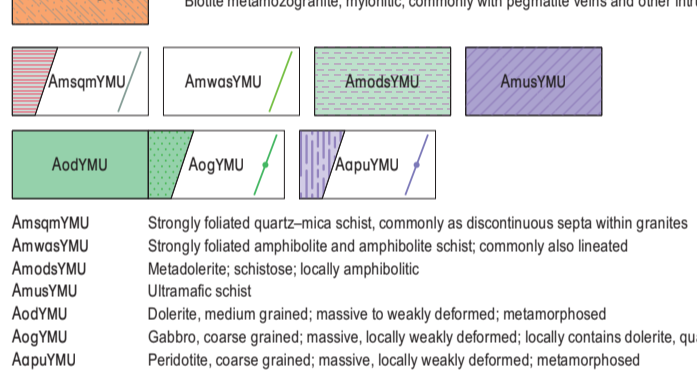
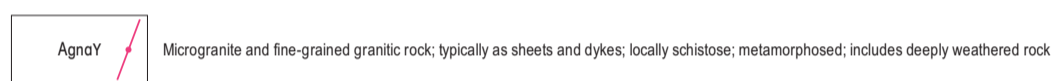
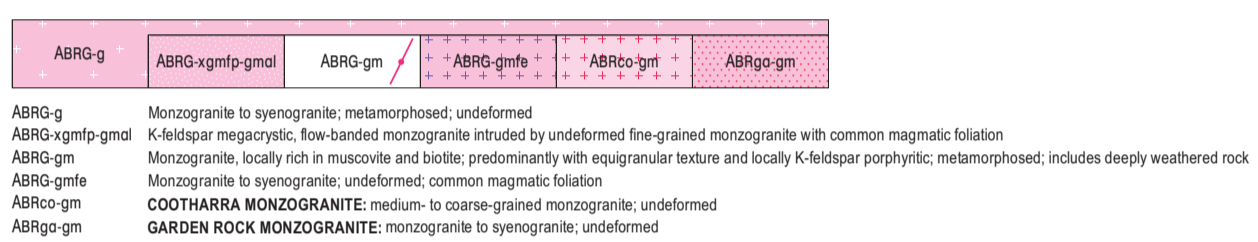
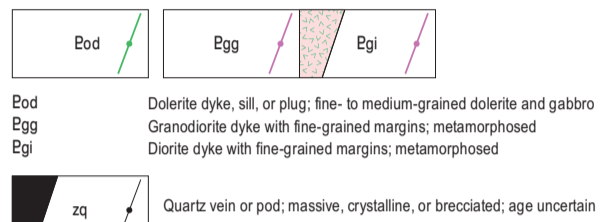
**Alluvial units**  
 A Clay, silt, sand, and gravel in channels and on floodplains  
 Ac Clay, silt, sand, and gravel in fluvial channels  
 Ad Clay, silt, and sand in braided swales on floodplains  
 Av Alluvial fan deposits; includes gravel, sand and silt

**Lacustrine units**  
 Ld Sand, silt, and gypsum in dunes adjacent to and within playa lakes  
 Lgk Bedded carbonate, silt, and clay deposits in shallow lakes adjacent to streams and rivers  
 Lm Mixed dunes, evaporite, and alluvial deposits; typically adjacent to playa lakes  
 Lp Saline and gypsiferous evaporite deposits, clay, silt, and sand in playa lakes

**Sandplain unit**  
 S Residual and eolian sand with minor silt and clay; low vegetated dunes locally common

R <sub>ck</sub> P <sub>g</sub>	R <sub>w</sub>	R <sub>f</sub>	R <sub>g</sub> P <sub>g</sub>	R <sub>s</sub> f	R <sub>g</sub>	R <sub>ck</sub>	R <sub>d</sub>
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**Residual or relict units**  
 R<sub>ck</sub>P<sub>g</sub> Kaolinized granitic rock  
 R<sub>w</sub> Deeply weathered rock; protolith undetermined  
 R<sub>f</sub> Ferruginous duricrust, massive to rubby; includes iron-cemented reworked products  
 R<sub>g</sub>P<sub>g</sub> 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<sub>s</sub>f Residual sand and minor gravel derived from ferruginous duricrust  
 R<sub>g</sub> Quartzofeldspathic sand, commonly over granite  
 R<sub>ck</sub> Residual sand and calcrete, nodular and pisolitic  
 R<sub>d</sub> Undivided residual or relict material; mainly ferruginous and silicious duricrust; minor calcrete and kaolinized rock



PROTEROZOIC

2640-2600 Ma

c. 2668 Ma <sup>1,2</sup>

2690-2665 Ma

ARCHEAN

2800-2760 Ma

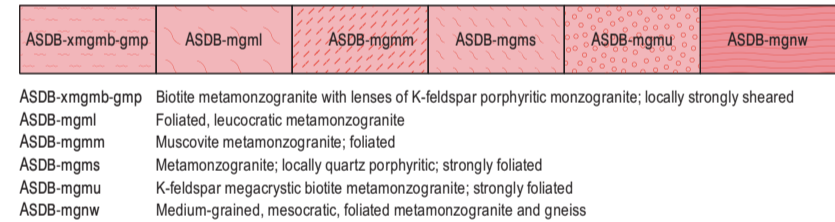
2815-2805 Ma

2735-2690 Ma

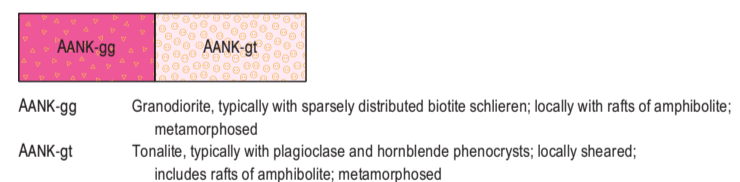
2815-2800 Ma

c. 2813 Ma

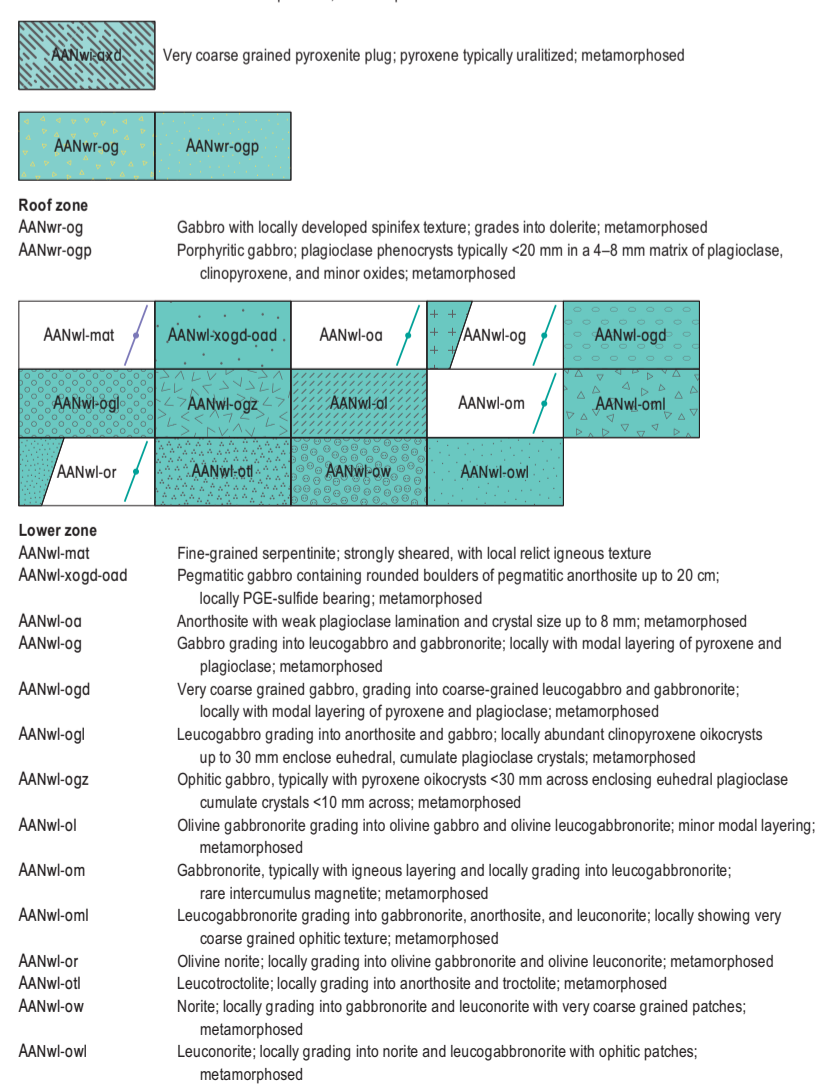
Austin Downs Supersuite  
Big Bell Suite



Mount Kenneth Suite



Annean Supersuite  
Meeilne Suite



Murchison Domain

Younmi Terrane

Murchison Domain

YILGARN CRATON