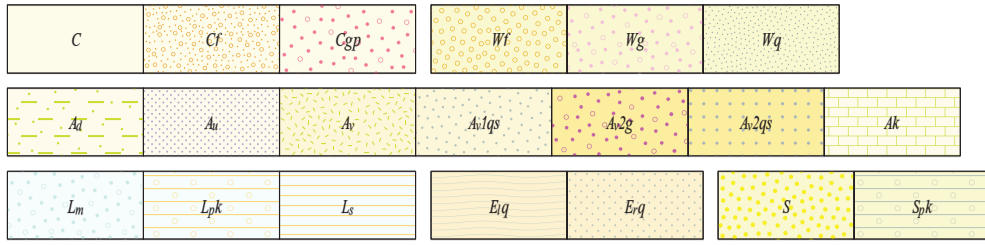


PHANEROZOIC

CENOZOIC



Colluvial units, age undivided or unassigned

- C* Colluvium derived from different rock types; includes gravel, sand, silt and clay
- Cf* Ferruginous clay, silt, and sand in colluvial deposits
- Cgp* Quartzofeldspathic clay, silt, and sand in colluvial deposits; derived from plutonic rocks

Sheetwash units, age undivided or unassigned

- Wf* Clay, silt, and sand with abundant ferruginous grit
- Wg* Clay, silt, and sand sheetwash deposits, commonly derived from granitic rocks
- Wq* Quartz-rich silt and sand, with minor clay

Alluvial units, age undivided or unassigned

- Ad* Clay, silt, and sand in drainage depressions
- Au* Clay, silt, and sand in superficial channels
- Av* Clay, silt, and sand in alluvial fan deposits
- Av1qs* Unconsolidated quartz-rich silt and sand with minor clay in alluvial fan deposits; derived from sedimentary rocks
- Av2g* Semiconsolidated quartzofeldspathic sand, silt, and clay in alluvial fan deposits
- Av2qs* Semiconsolidated quartz-rich silt and sand with minor clay in alluvial fan deposits; derived from sedimentary rocks
- Ak* Carbonate-cemented alluvium and fluvial deposits, and valley calcrete; locally silicified

Lacustrine units, age undivided or unassigned

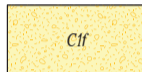
- Lm* Clay, silt, and sand in dune and playa deposits
- Lpk* Clay, silt, and sand in carbonate-rich playa deposits
- Ls* Saline lake, rimmed by evaporitic gypsum and carbonate deposits

Eolian units, age undivided or unassigned

- Eq* Quartz-rich sand in longitudinal dune field
- Erq* Quartz-rich sand in eolian sandplain

Sandplain units, age undivided or unassigned

- S* Sandplain
- Spk* Clay, silt, and sand in carbonate-rich sandplain and playa deposits



Colluvial unit, unconsolidated

- C1f* Unconsolidated ferruginous clay, silt, and sand in colluvial deposits



Colluvial units, weakly consolidated

- C2* Semiconsolidated clay, silt, and sand in colluvial deposits
- C2f* Semiconsolidated ferruginous clay, silt, and sand in colluvial deposits



Residual or relict units

- Rgpm* Quartzofeldspathic sand, silt, and clay derived from weathered monzonite
- Rd* Undivided duricrust
- Rf* Ferruginous duricrust and iron-cemented products
- Rk* Carbonate-rich duricrust
- Rz* Siliceous duricrust
- Rd* Residual sand, with minor clay and silt
- Rf* Residual ferruginous sand, with minor clay and silt
- Rgp* Residual quartzofeldspathic sand, silt, and clay derived from plutonic rocks

PALEOZOIC

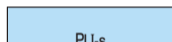
CARBONIFEROUS

DEVONIAN

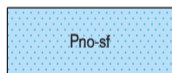
ORDOVICIAN

NEOPROTEROZOIC

Liveringa Group

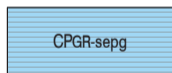


Sandstone and siltstone, minor conglomerate, and coal (section only)



NOONKANBAH FORMATION: siltstone, shale, and sandstone; minor carbonate (section only)

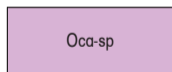
Grant Group



Sandstone, siltstone, diamictite, conglomerate, and shale; largely glaciogene

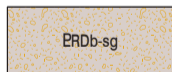


KNOBBY SANDSTONE: sandstone, siltstone, and conglomerate

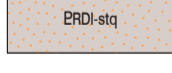


CARRANYA FORMATION: sandstone and polymictic conglomerate; fossiliferous (section only)

Redcliff Pound Group



MURRABA FORMATION: chert-clast granule and pebble conglomerate, sandstone, siltstone, and mudstone; minor limestone; thin bedded (section only)



LEWIS RANGE SANDSTONE: cross-bedded quartz sandstone with ripple marks; minor sandstone, conglomerate, and siltstone



Dolerite dykes, sills, or plugs; fine- to medium-grained dolerite

Stafford Event (1810–1790 Ma¹)

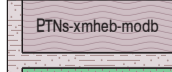


Porphyritic, medium- to coarse-grained biotite monzogranite

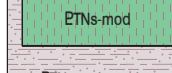


LEWIS GRANITE: muscovite and biotite monzogranite; locally porphyritic; minor biotite granodiorite

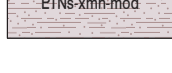
Tanami Event (1850–1830 Ma¹)



Contact-metamorphosed psammite and pelite, and metadolerite; biotite zone



Metamorphosed dolerite sill; minor interlayered, metamorphosed feldspathic wacke, sandstone, siltstone, and mudstone (section only)



STUBBINS FORMATION: metamorphosed feldspathic wacke, sandstone, siltstone, mudstone, and dolerite and gabbro sills; minor quartzite, metamorphosed banded chert, and metabasalt

PROTEROZOIC

PALEOPROTEROZOIC

c. 1796 Ma²

c. 1864 Ma³

Tanami Group

CANNING BASIN

MURRABA BASIN

CENTRALIAN SUPERBASIN

GRANITES-TANAMI OROGEN