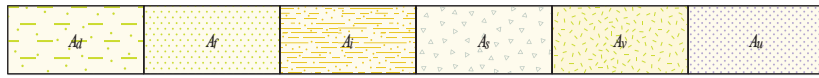


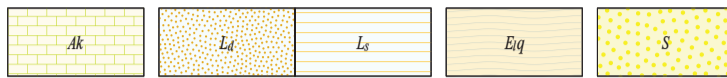
PHANEROZOIC

QUATERNARY



Alluvial units

- Ad* Clay, silt, and sand in drainage depressions
- Ar* Clay, silt, and sand in alluvial floodplain deposits
- Ai* Clay, silt, and sand in floodplain with numerous claypans
- As* Sandbar
- Av* Clay, silt, and sand in alluvial fan deposits
- Au* Clay, silt, and sand in superficial channel



Colluvial units, age undivided or unassigned

- C* Colluvium derived from different rock types; includes gravel, sand, silt and clay
- Cp* Clay, silt, and sand of mixed origin in pediplain deposits; subcropping bedrock
- Ci* Talus deposits
- 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

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

Alluvial unit, age undivided or unassigned

- Ak* Carbonate-cemented alluvium and fluvial deposits, and valley calcrete; locally silicified

Lacustrine units, age undivided or unassigned

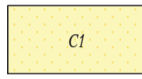
- Ld* Clay, silt, and sand in dunes fringing lakes
- Ls* Saline lake, rimmed by evaporitic gypsum and carbonate deposits

Eolian unit, age undivided or unassigned

- Eq* Quartz-rich sand in longitudinal dunefield

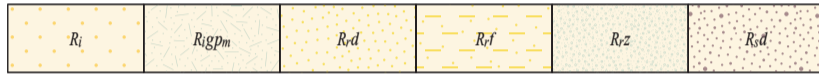
Sandplain unit, age undivided or unassigned

- S* Sandplain



Colluvial unit, unconsolidated

- C1* Unconsolidated clay, silt, and sand in colluvial deposits



Residual or relict units

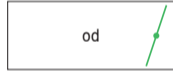
- Ri* Weathered bedrock
- Rigm* Quartzofeldspathic sand, silt, and clay derived from weathered monzogranite
- Rrd* Undivided duricrust
- Rrf* Ferruginous duricrust and iron-cemented products
- Rrz* Siliceous duricrust
- Rsd* Residual sand, with minor clay and silt



LARRANGANNI FORMATION: sandstone, minor siltstone, and conglomerate



Mahony Group: sandstone (pebbly in places), and pebble to boulder conglomerate



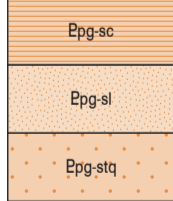
Dolerite dykes, sills, or plugs; fine- to medium-grained dolerite; age uncertain



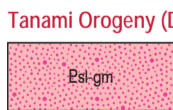
LEWIS RANGE SANDSTONE: cross-bedded quartz sandstone with ripple marks; minor sandstone, conglomerate, and siltstone
 Glauconitic sandstone, siltstone and shale; minor dolomitic sandstone
 Chert; sublithic sandstone, siltstone, and limestone



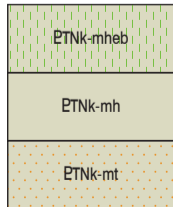
Conglomerate, cross-bedded sandstone, siltstone, and shale
 Siltstone and mudstone; minor fine-grained, micaceous quartz sandstone
 Wacke, sandstone, siltstone, and shale
 GARDINER SANDSTONE: cross-bedded, white, medium- to coarse-grained, poorly sorted quartz sandstone with siltstone and shale; minor glauconitic sandstone and flaggy dolomitic sandstone, and basal conglomerate; shallow marine to emergent
 Sandstone, dolomitic sandstone and siltstone
 Siltstone and mudstone; minor fine-grained, micaceous quartz sandstone



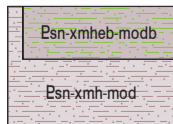
PARGEE SANDSTONE
 Conglomerate, cross-bedded sandstone and quartz sandstone, siltstone, and shale; minor dolomitic sandstone
 Siltstone and mudstone; minor fine-grained, micaceous quartz sandstone
 Quartz sandstone



Tanami Orogeny (*D₂*: 1835–1795 Ma)
 SLATEY CREEK GRANITE: muscovite and biotite monzogranite, locally porphyritic; minor biotite granodiorite



KILLI KILLI FORMATION
 Contact-metamorphosed feldspathic metawacke, metasandstone, metasiltstone, and metamudstone; biotite zone
 Feldspathic metawacke, metasandstone, metasiltstone and metamudstone; minor quartzite, banded metachert, metabasalt, metadolerite, and metagabbro
 Metamorphosed quartz sandstone, metasandstone, metasiltstone, and metamudstone; minor feldspathic metawacke



Contact-metamorphosed psammite and pelite, and metadolerite; biotite zone
 STUBBINS FORMATION: metamorphosed feldspathic wacke, sandstone, siltstone, mudstone, and dolerite and gabbro sills; minor quartzite, metamorphosed banded chert, and metabasalt



BROWNS RANGE METAMORPHICS: feldspathic psammite and subordinate psepilite; amphibolite to granulite facies

CENOZOIC

MESOZOIC

PALEOZOIC

DEVONIAN

FRASNIAN

NEOPROTEROZOIC

830–810 Ma

PALEOPROTEROZOIC

1760–1735 Ma

1820–1790 Ma

1840–1835 Ma

c. 1864 Ma

1874–1838 Ma

CANNING BASIN

ORD BASIN

MURRABA BASIN
CENTRALIAN SUPERBASIN

BIRRINDUDU BASIN

GRANITES-TANAMI OROGEN