

McArthur River Project - Stratigraphic/Lithological Codes

KG Oct 2013

Tertiary

QA	Alluvium
QC	Colluvium, scree
QS	Sheetwash
ES	Residual soil
EST	Thin (<2m thick) residual soil
CZ	Black soil (not residual, ineffective sample medium)

Proterozoic

PM McArthur Group (undifferentiated)

PME	Emmerugga Dolomite
PMT	Tooganinie Formation
PMD	Tatoola Sandstone
PMA	Amelia Dolomite
PML	Mallapunyah Formation
PMN	Masterton Formation

PT Tawallah Group (undifferentiated)

PTG

PTGV
PTGI

Gold Creek Volcanics

Trachytic intermediate volcanic. Tuff, agglomerate, pyroclastic/volcaniclastics. PTO and PTE xenoliths
Trachyte/microsyenite intrusive. Brecciated and strongly altered (calcite). Wthd = buff/pale green, fresh = pink.

PTO

PTOU
PTOO
PTOL

Woologorang Formation

OR

Upper (PTO-04 to PTO-08)

Ovoid Beds (PTO-03)

Lower (PTO-01 and PTO-02)

OR

PTO8
PTO7
PTO6
PTO5
PTO4

Dolomite. Massive, fgr, cream/purple

Algal chert marker. Thinnly interbedded algal dol./chert

Dolomitic siltstone. Red wthd, poorly outcropping

Thin bedded **pink dolarenite, sandstone,** and sandy dolomite

Silty dolomite, dolomitic siltstone, dolomite. **Dark** wthg.

PTO3	Ovoid beds. Thin bedded and fissile. Black bituminous to grey wthd. Dolomitic siltstone, shale, argillite, and dolomite. Lower section - black mgr dolomite ovoids 10-30cm, becoming progressively smaller and more irregularly shaped
PTO2	Dolomite beds, f-mgr sugary, white to dark grey
PTO1	Basal silty dolomite /dolomite, fgr, greenish grey

PTC

PTCM	Mafic/intermediate f-mgr igneous microgabbro
PTCI	Intermediate fgr igneous microsyenite/micromonzonite
PTCF	Feldspathic tuff?/siltstone. Red, pink, purple.
PTCS	Shale, siltstone minor dolomitic shale. Fresh green, wthd red, purple grey.

PTL

Settlement Creek Dolerite (was "Volcanics")

Sly Creek Sandstone

OTHER/QUALIFIERS

PL	Limestone, stratigraphic position unknown
PD	Dolomite, stratigraphic position unknown
-X	Suffix Brecciated