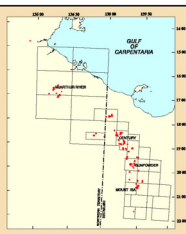


Gregory River

97GR-01

SCALE 1:1000

Easting: 288415

Northing: 7906670

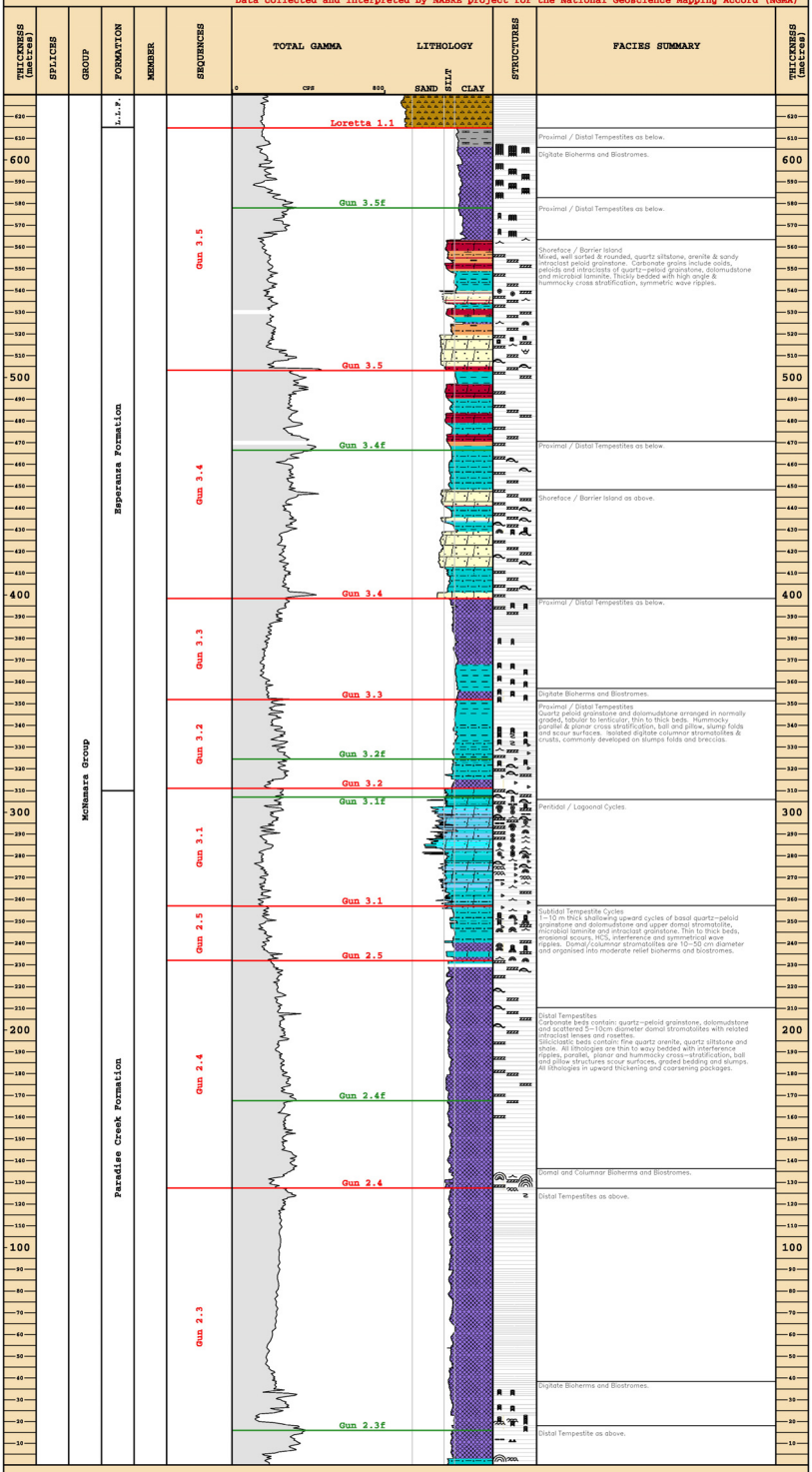
Data type: Measured Section

Map sheet: Lawn Hill Region

Geology: T Sami & P Southgate

Geolog compilation: K Barnett, U Rokvic, I Zeilinger

Data collected and interpreted by NABRE project for the National Geoscience Mapping Accord (NGMA)



Lithology Legend

SILICICLASTICS QUARTZO-FELDSPATHIC: Conglomerate coarse to pebble to boulder; Sandstone medium to very coarse; Sandstone very fine to fine; Sandy siltstone; Siltstone; Shale

SILICICLASTICS LITHIC: Dolomite medium to very coarse; Dolomite very fine to fine; Silty dolomite; Dolutite; Dolutite

SILICICLASTICS TUFFACEOUS

SILICICLASTICS CARBONACEOUS (VARIABLY DOLOMITIC)

DOLOMITIC SILICICLASTICS

CARBONATES: Dolomite granule to boulder

Stratigraphy undifferentiated

TUFF; CHERT; CRYSTALLINE CARBONATES; BRECCIA; IGNEOUS; METAMORPHIC

Sedimentary Structures

BEDDING THICKNESS: Laminated (<1cm); Thin bedded (1-10cm); Medium bedded (10-30cm); Thick bedded (>30cm)

SEDIMENTARY STRUCTURES

Planar X-stratification
Large scale trough X-stratification
Small scale trough X-stratification
Hummocky cross-stratification
Flinch & swell/wavy bedding
Flaser/lenticular bedding
Wispy lamination
Large asymmetrical ripple
Small asymmetrical ripple
Symmetrical ripple
Normally graded bed
Inversely graded bed
Fining-upward trend
Coarsening-upward trend
Scour and fill
Rock rattling
Slumping
Contorted bedding
Flute cast
Gutter cast/microchannel
Load cast
Synaresis crack
Dewatering structure
Reapex
Desiccation crack
Sedimentary breccia
Sedimentary concretion
Palaeocurrent azimuth (east)
Palaeocurrent azimuth (north)
Palaeocurrent azimuth (south)
Palaeocurrent azimuth (west)
Palaeocurrent trend (north-south)
Palaeocurrent trend (east-west)
Mottle cast/moulet
Crystal pseudomorph
Cauliflower chert
Intraclast
Imbricated clasts
Rosette
Oolite/oolitic
Peloid/peloidal
Small domal stromatolite
Large domal stromatolite
"Organ-pipe" stromatolite
Small columnar stromatolite
Large columnar stromatolite
Conical stromatolite
Stratiform stromatolite
Renalcis
Fault
Pyrite
Cpy Chalcopyrite
Gl Glauconite
Ph Phosphate
Py Pyrite
Sp Sphalerite
Gn Galena

Sequence Hierarchy

Gun	Supersequence Boundary		
Gun X	3rd Order Sequence Boundary	Gun Xf	3rd Order Maximum Flooding Surface
Gun X.X	4th Order Sequence Boundary	Gun X.Xf	4th Order Maximum Flooding Surface

Onlap

Truncation

Gun X.Xt Transgressive Surface

NOTE: Gun Supersequence used as an example.

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