AMIRA P552 PROJECT

JJ/00/08

Scale: 1:1000

EASTING: 341020

NORTHING: 7871747

DATA TYPE: Measured section

MAP SHEET: Mount Oxide

LOCATION: South Boomerang Anticline area

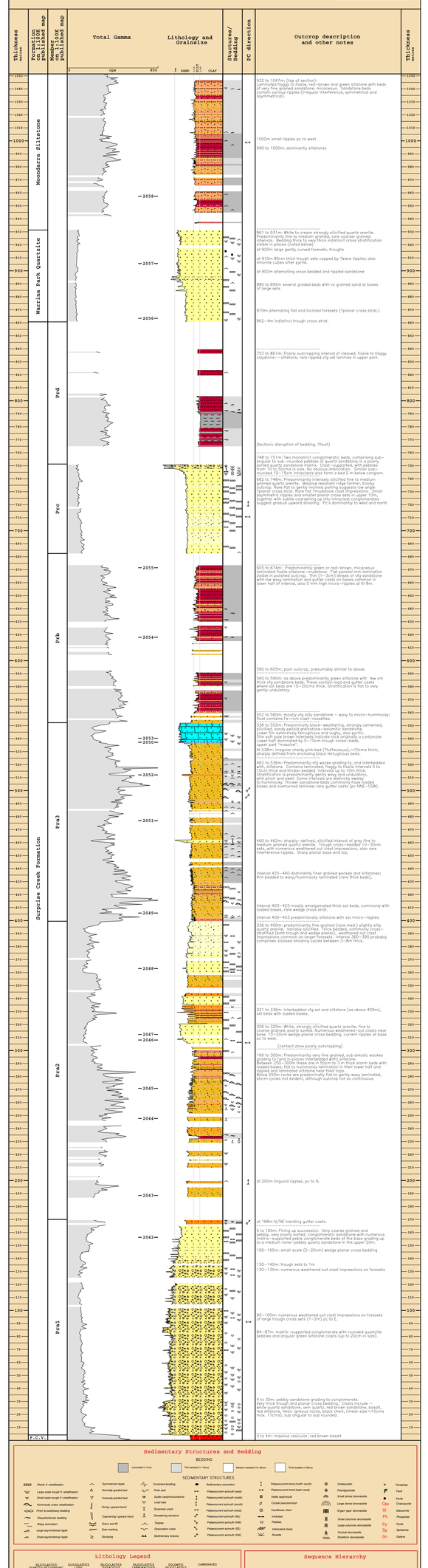
GEOLOGY: MJ Jackson and PN Southgate

GEOLOG COMPILATION: KW Barnett

AUSTRALIA

GEOSCIENCE AUSTRALIA

Queensland Government Natural Resources and Mines



Sedimentary Structures and Bedding

BEDDING

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
Pinch & swelling bedding
Flaser/lenticular bedding
Wispy lamination
Large asymmetrical ripple
Small asymmetrical ripple
Symmetrical ripple
Normally graded bed
Inversely graded bed
Pinch-upward trend
Coarsening-upward trend
Scour and fill
Sole marking
Slumping
Contorted bedding
Flute cast
Gutter cast/groove/runner
Load cast
Synaresis crack
Desiccation structure
Teepee
Desiccation crack
Sedimentary breccia
Sedimentary concretion
Palaeocurrent azimuth (mean)
Palaeocurrent azimuth (north)
Palaeocurrent azimuth (south)
Palaeocurrent azimuth (west)
Palaeocurrent azimuth (SE)
Palaeocurrent azimuth (NW)
Palaeocurrent azimuth (SW)
Palaeocurrent azimuth (SW)
Palaeocurrent trend (north–south)
Palaeocurrent trend (east–west)
Halite casts/moulds
Crystal pseudomorph
Cauliflower chert
Intraclast
Pebbles
Intraclasted clasts
Rosette
Oolitic/pisolitic
Pelsolitic/oolitic
Small stromatolite
Large columnar stromatolite
Small columnar stromatolite
Conical stromatolite
Stratiform stromatolite
Pyrite
Pyrite
Pyrite
Pyrite
Pyrite
Pyrite
Chalcopyrite
Glauconite
Phosphate
Pyrite
Sphalerite
Galena

Lithology Legend

SILICICLASTICS QUARTZO–FELDSPATHIC
SILICICLASTICS LITHIC
SILICICLASTICS TUFFACEOUS
SILICICLASTICS CARBONACEOUS (VARIABLE DOLOMITIC)
DOLOMITIC SILICICLASTICS
CARBONATES

Conglomerate gravels to boulder
Sandstone medium to very coarse
Sandstone very fine to fine
Sandy siltstone
Siltstone (mudstone, unlaminated)
Shale (claystone, unlaminated)
Dolomite gravels to boulder
Dolomite medium to very coarse
Dolomite very fine to fine
Silty dolomite
Dolomitite
Dolosilt
TUFF
CHERT
CRYSTALLINE CARBONATES
BRECCIA
IGNEOUS
METAMORPHIC

Sequence Hierarchy

F# — Approximate location of significant flooding or deepening.

S# — Approximate location of significant erosion surface (?Sequence Boundary).

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