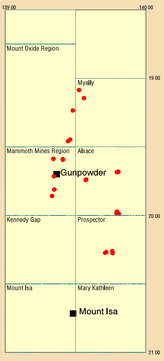


AMIRA P552 PROJECT

"Crocodile Waterhole"

Scale: 1:1000

EASTING: 325150

NORTHING: 7799600

DATA TYPE: Measured Section

MAP SHEET: Mammoth Mines

LOCATION: 7km NE of Crocodile Waterhole

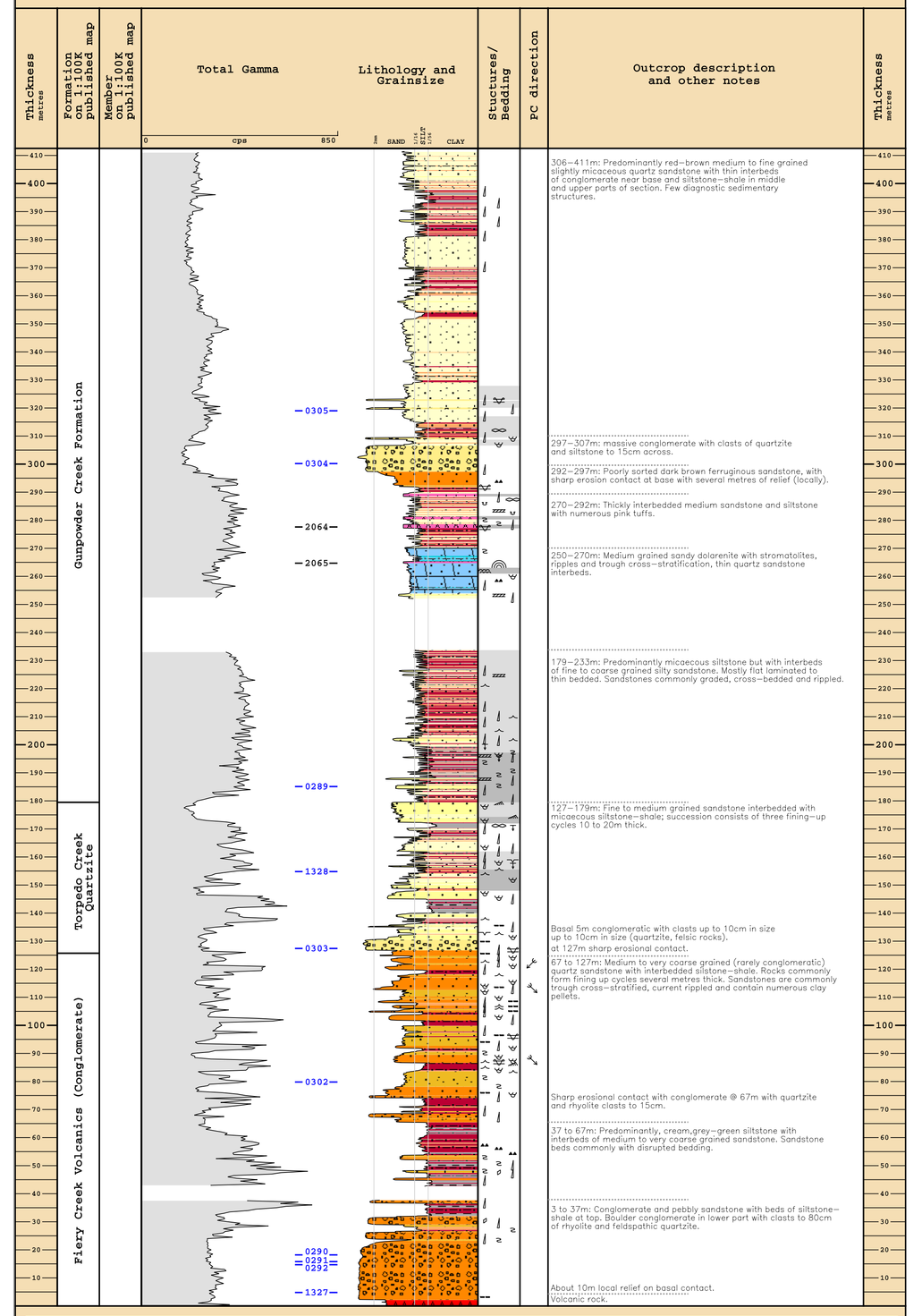
GEOLOGY: MJ Jackson revision of T Sami, P Southgate & A Wells

GEOLOG COMPILATION: K Barnett, U Rokvic, I Zeilinger

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 & 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 · Sole marking · Slumping

Contorted bedding · Flute cast · Gutter cast/microchannel · Load cast · Synaresis crack · Dewatering structure · Teepee · Desiccation crack · Sedimentary breccia

Sedimentary concretion · Palaeocurrent azimuth (east) · Palaeocurrent azimuth (north) · Palaeocurrent azimuth (south) · Palaeocurrent azimuth (west) · Palaeocurrent azimuth (NE) · Palaeocurrent azimuth (NW) · Palaeocurrent azimuth (SE) · Palaeocurrent azimuth (SW)

Palaeocurrent trend (north–south) · Palaeocurrent trend (east–west) · Halite cast/mould · Crystal pseudomorph · Cauliflower chert · Intraclast · Pebbles · Imbricated clasts · Rosette

Ooliite/oolitic · Peloid/peloidal · Small domal stromatolite · Large domal stromatolite · 'Organ–pipe' stromatolite · Small columnar stromatolite · Large columnar stromatolite · Conical stromatolite · Stratiform stromatolite

Fenestrae · Fault · Pyrite · Chalcopyrite · Glauconite · Phosphate · Pyrite · Sphalerite · Galena

Lithology Legend

SILICICLASTICS QUARTZO–FELDSPATHIC · SILICICLASTICS LITHIC · SILICICLASTICS TUFFACEOUS · SILICICLASTICS CARBONACEOUS (VARIABLY DOLOMITIC) · DOLOMITIC SILICICLASTICS · CARBONATES

Conglomerate granule to boulder · Sandstone medium to very coarse · Sandstone very fine to fine · Sandy siltstone · Siltstone mineralogy undifferentiated · Shale mineralogy undifferentiated

Dolorudite granule to boulder · Dolarenite medium to very coarse · Dolarenite very fine to fine · Silty dolarenite · Dolosiltite · Dololutite

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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