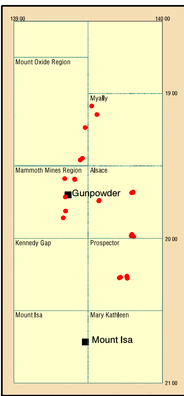


AMIRA P552 PROJECT

Bull Creek Composite

(JJ/00/10A, JJ/00/10B)
Scale: 1:2500

EASTING: 351192

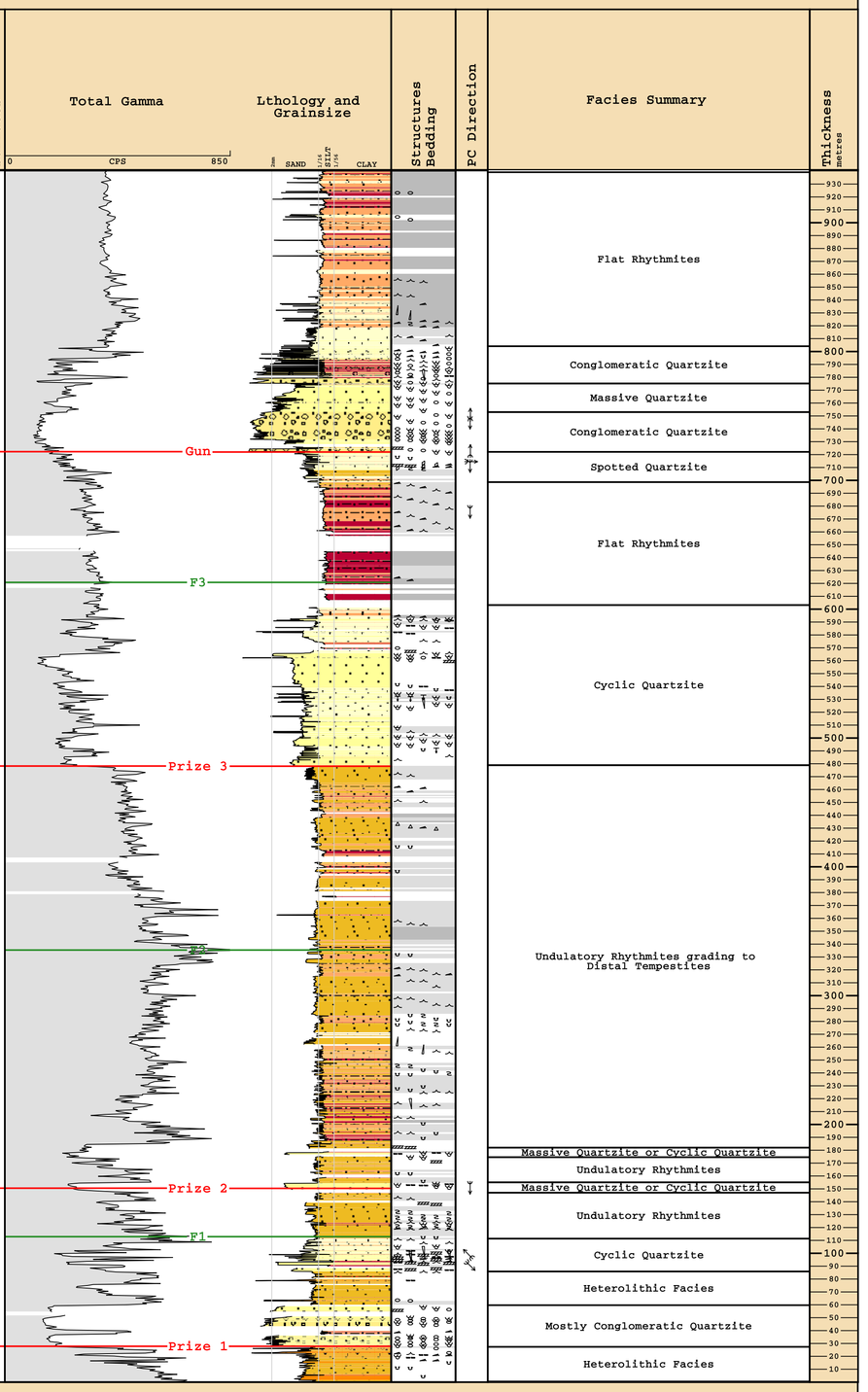
NORTHING: 7815732

DATA TYPE: Measured Section

MAP SHEET: Alsace

GEOLOGY: MJ Jackson and PN Southgate

GEOLOG COMPILATION: KW Barnett



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
- Oolite/oolitic
- Peloid/peloidal
- Small domal stromatolite
- Large domal stromatolite
- 'Organ–pipe' stromatolite
- Small columnar stromatolite
- Large columnar stromatolite
- Conical stromatolite
- Stratiform stromatolite
- Fenestrae
- F Fault
- Pyrite
- Cpy Chalcopyrite
- Gl Glauconite
- Ph Phosphate
- Py Pyrite
- Sp Sphalerite
- Gn 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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