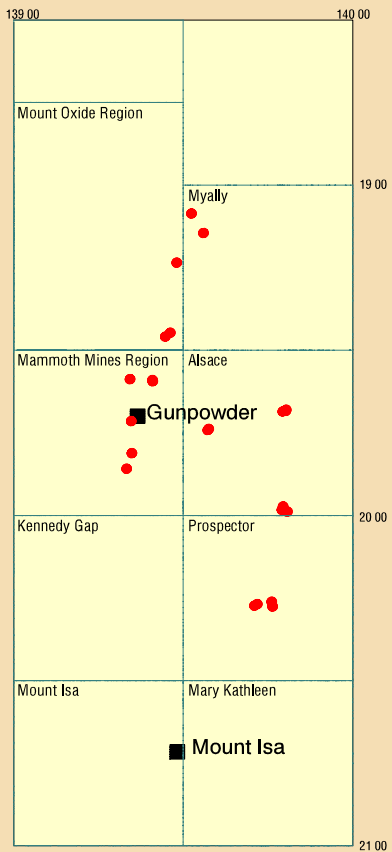




P552 PROJECT

PS/00/01

Scale: 1:1000

EASTING: 327770

NORTHING: 7807765

DATA TYPE: Measured Section

MAP SHEET: Mammoth Mines

LOCATION: 14km South of the Mine

GEOLOGY: MJ Jackson and PN Southgate

GEOLOG COMPILATION: KW Barnett



Thickness metres	Formation on 1:100K published map	Member on 1:100K published map	Total Gamma	Lithology and Grainsize	Structures/ Bedding	PC direction	Outcrop description and other notes	Thickness metres
			0 cps 850	2mm SAND 1/16 SILT 1/56 CLAY				
20	W.Q. T.C.Q.						26 to 30m: Clast-supported quartzite conglomerate, rounded to sub-angular clasts to 30cms. Malachite staining	20
10							21 to 26m: Fining-up sandstone succession, pebbly at base, medium at top. Flat bedded. Ferruginous.	
							13.5 to 21m: massive to poorly sorted, largely clast-supported conglomerate. Pebbles <60cms at base, <5cms at top. Pebbles mostly quartzite and sandstone.	10
							0 to 13.5m: white, fine to medium grained, quartz sandstone. Thin to medium bedded with trough and planar cross beds.	

Sedimentary Structures and Bedding

BEDDING



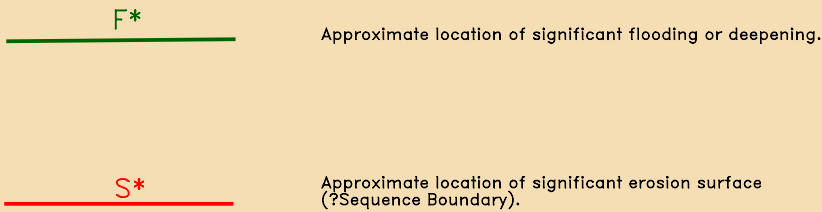
SEDIMENTARY STRUCTURES

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

Lithology Legend

SILICICLASTICS QUARTZO-FELDSPATHIC	SILICICLASTICS LITHIC	SILICICLASTICS TUFFACEOUS	SILICICLASTICS CARBONACEOUS (VARIABLY DOLOMITIC)	DOLOMITIC SILICICLASTICS	CARBONATES
Conglomerate granule to boulder					Dolorudite granule to boulder
Sandstone medium to very coarse					Dolarenite medium to very coarse
Sandstone very fine to fine					Dolarenite very fine to fine
Sandy siltstone					Silty dolarenite
Siltstone mineralogy undifferentiated					Dolosiltite
Shale mineralogy undifferentiated					Dololite
TUFF	CHERT	CRYSTALLINE CARBONATES	BRECCIA	IGNEOUS	METAMORPHIC

Sequence Hierarchy



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