

Fiery Creek Dome Composite

Scale: 1:1000

EASTING: 321500

NORTHING: 7895000

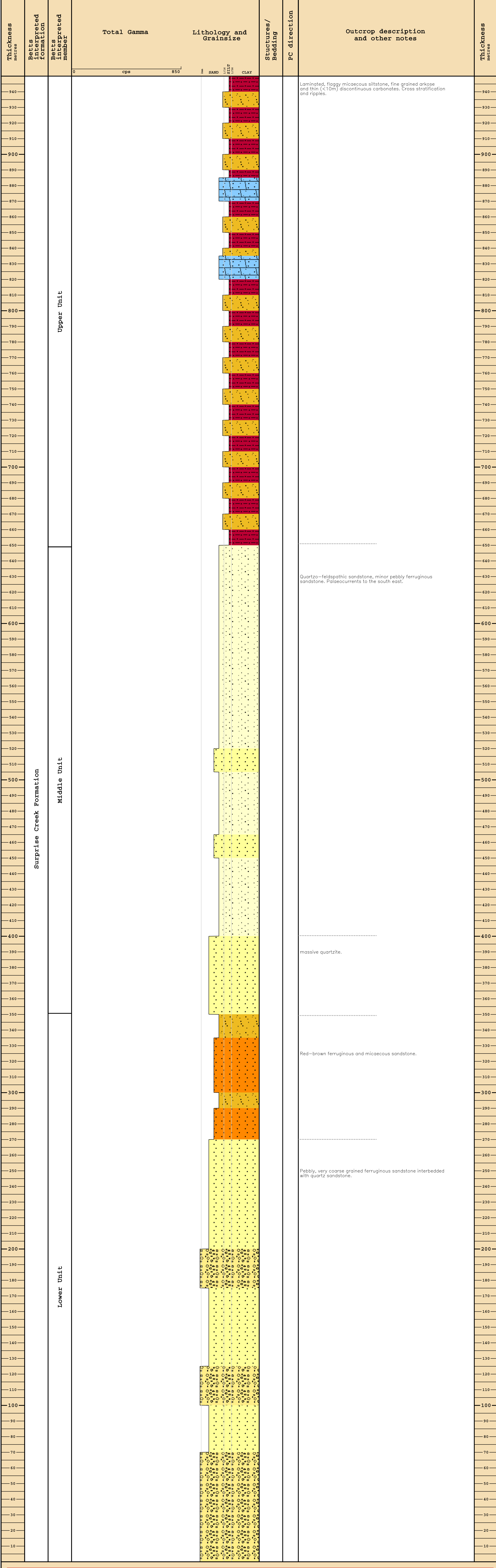
DATA TYPE: Published comp

MAP SHEET: Mount Oxide

LOCATION: Fiery Creek Dome Region

GEOLOGY: MJ Jackson (summary from Betts et al, AJES, 46, 533-554)

GEOLOG COMPILATION: KW Barnett



Sedimentary Structures and Bedding

BEDDING													
	Laminated (<10m)		Thin bedded (1-10cm)		Medium bedded (10-30cm)		Thick bedded (>30cm)						
SEDIMENTARY STRUCTURES													
	Planar X-stratification		Symmetrical ripple		Contorted bedding		Sedimentary concretion		Paleocurrent trend (north-south)		Oolite/collite		Fenestral
	Large scale trough X-stratification		Normally graded bed		Flute cast		Paleocurrent azimuth (east)		Paleocurrent trend (east-west)		Peloid/peloidal		Fault
	Small scale trough X-stratification		Inversely graded bed		Gutter cast/microchannel		Paleocurrent azimuth (north)		Halite cast/mould		Small domal stromatolite		Pyrite
	Hummocky cross-stratification		Fining-upward trend		Load cast		Paleocurrent azimuth (south)		Crystal pseudomorph		Large domal stromatolite		Chalcocite
	Pinch & swell/wavy bedding		Fining-upward trend		Synaeresis crack		Paleocurrent azimuth (west)		Cauliflower chert		Organ-pipe stromatolite		Glauconite
	Flaser/lenticular bedding		Coarsening-upward trend		Dewatering structure		Paleocurrent azimuth (NE)		Intracast		Stratiform stromatolite		Phosphate
	Wavy lamination		Scour and fill		Tepee		Paleocurrent azimuth (NW)		Pebbles		Small columnar stromatolite		Pyrite
	Large asymmetrical ripple		Sole marking		Desiccation crack		Paleocurrent azimuth (SE)		Imbricated clasts		Large columnar stromatolite		Sphalerite
	Small asymmetrical ripple		Slumping		Sedimentary breccia		Paleocurrent azimuth (SW)		Rosette		Conical stromatolite		Galena
	Stratiform stromatolite										Stratiform stromatolite		

Lithology Legend

SILICICLASTICS QUARTZ-FELDSPATHIC	SILICICLASTICS LITHIC	SILICICLASTICS TUFFACEOUS	SILICICLASTICS CARBONACEOUS (VARIABLY DOLOMITIC)	DOLOMITIC SILICICLASTICS	CARBONATES
Conglomerate granule to boulder					Dolomite granule to boulder
Sandstone medium to very coarse					Dolomite medium to very coarse
Sandstone very fine to fine					Dolomite very fine to fine
Sandy siltstone					Silty dolomite
Siltstone mineralogy undifferentiated					Dolostone
Shale mineralogy					Dolomite