

SEDIMENTOLOGY OF THE LATE PRECAMBRIAN MUNDALLIO SUBGROUP : A CLASTIC-CARBONATE (DOLOMITE, MAGNESITE) SEQUENCE IN THE MT. LOFTY AND FLINDERS RANGES, SOUTH AUSTRALIA.

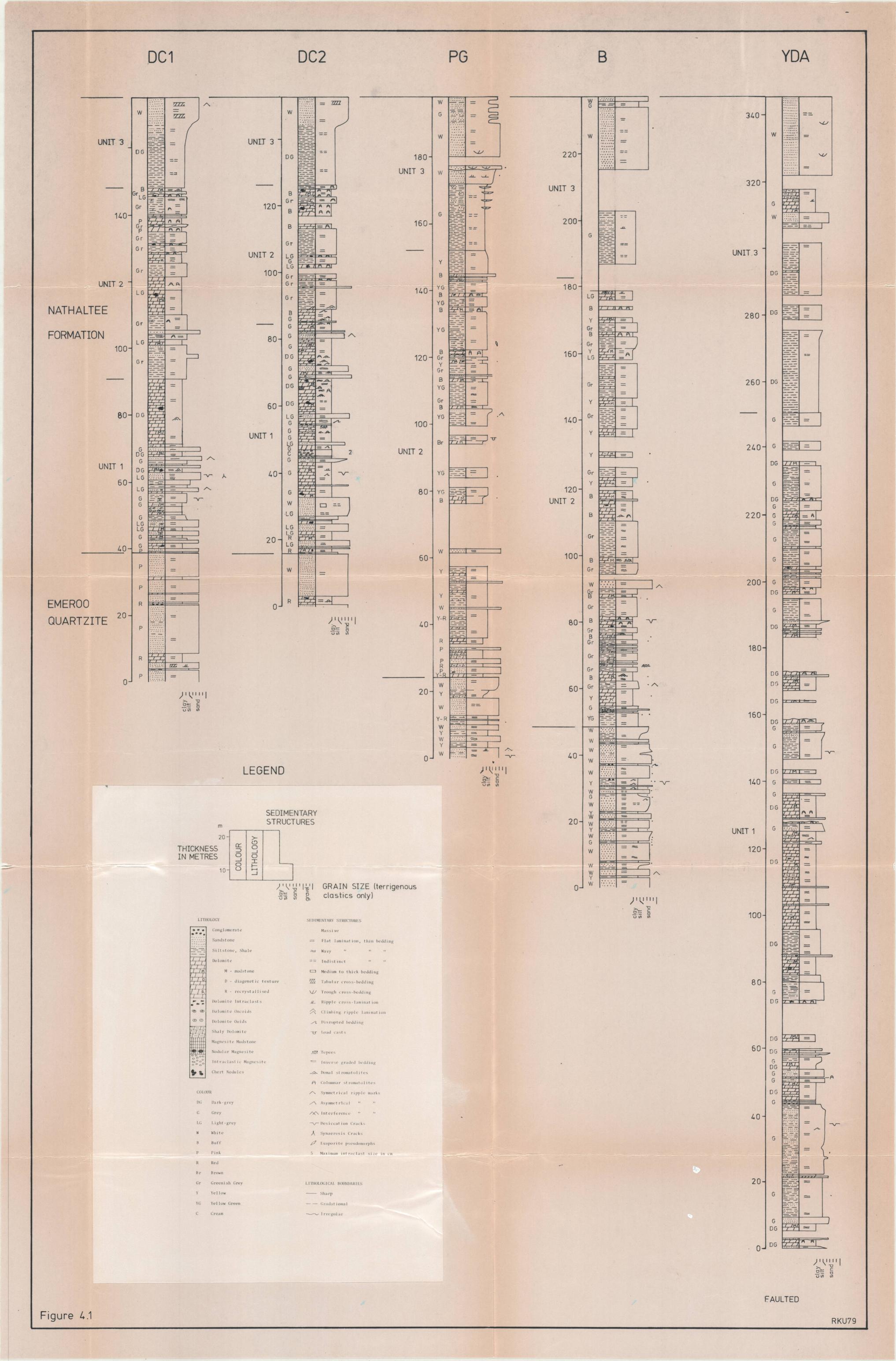
## (VOLUME II)

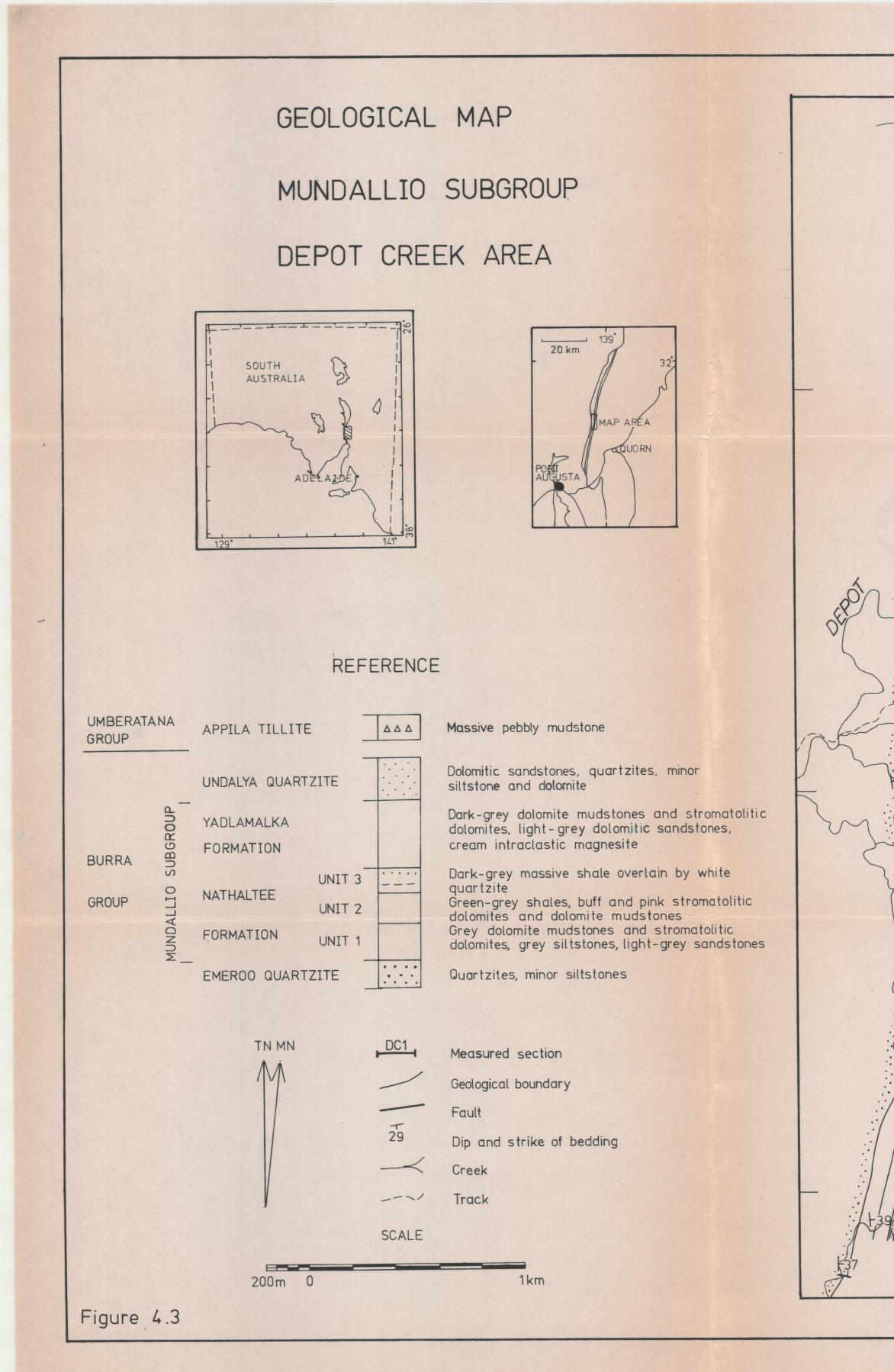
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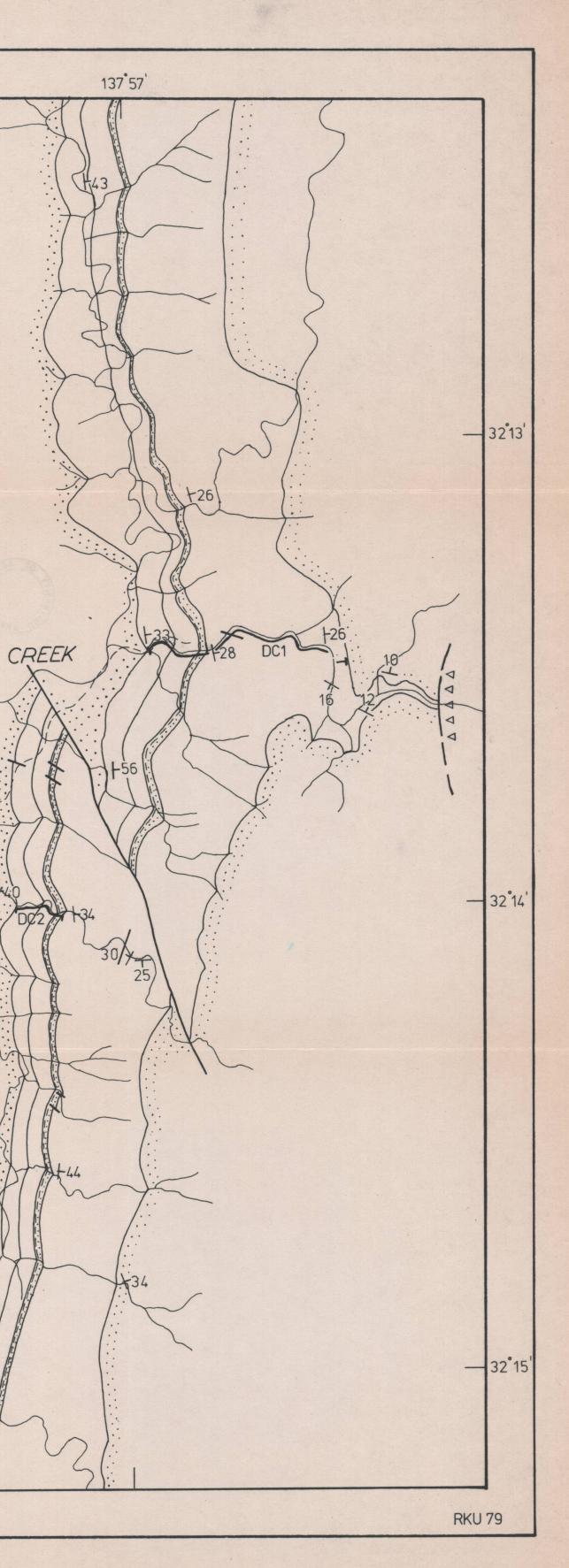
ROBIN K. UPPILL, B. Sc. (Hons.) (Adelaide) Department of Geology and Mineralogy, The University of Adelaide.

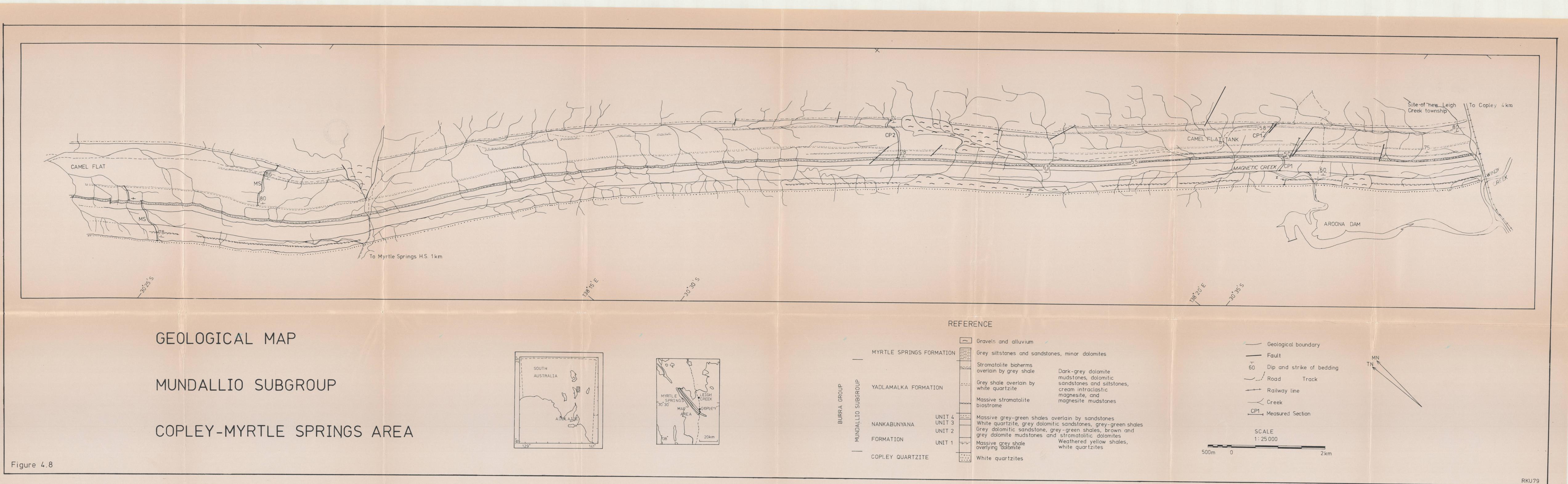
## FIGURES, TABLES, PLATES AND APPENDICES

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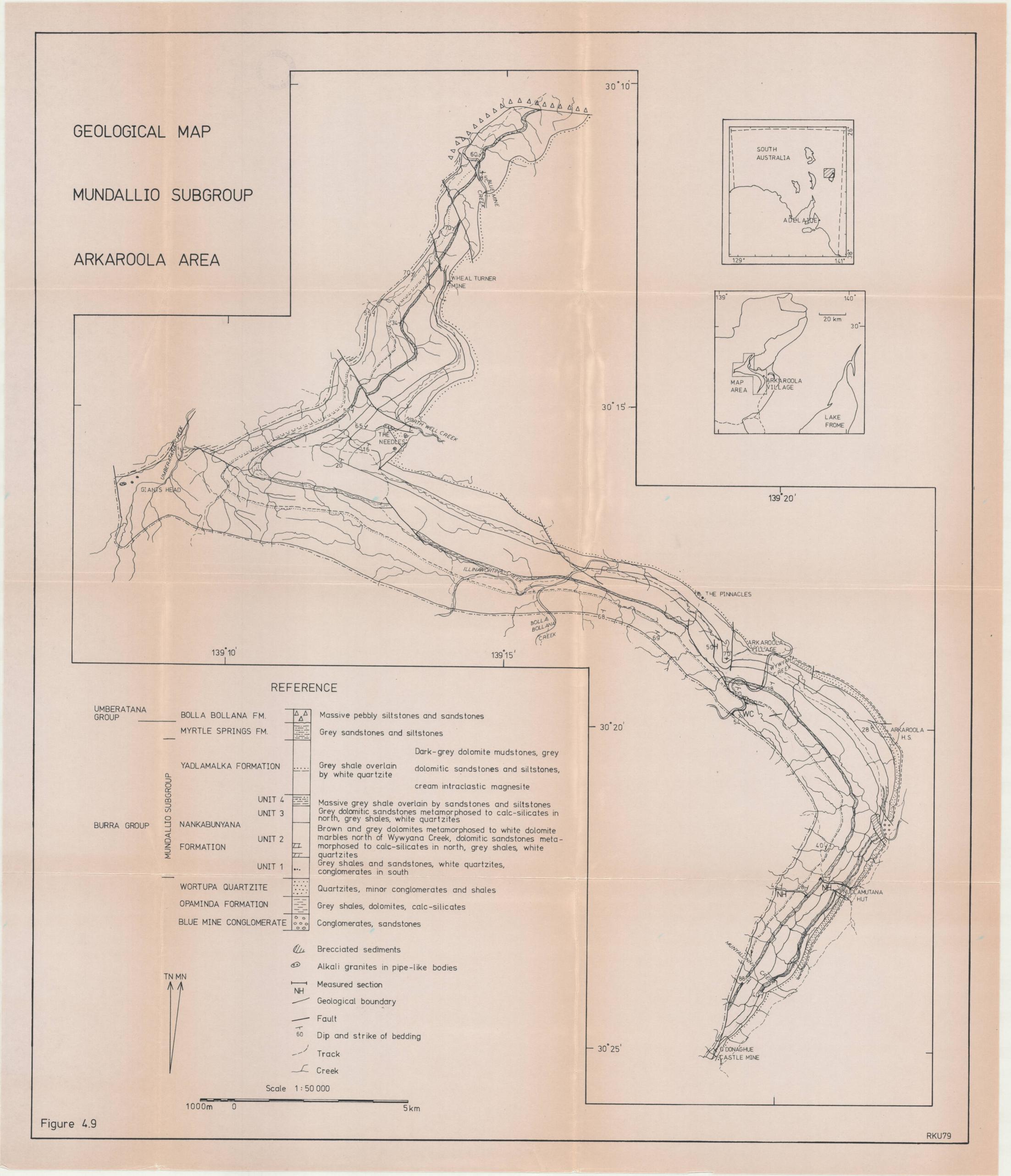


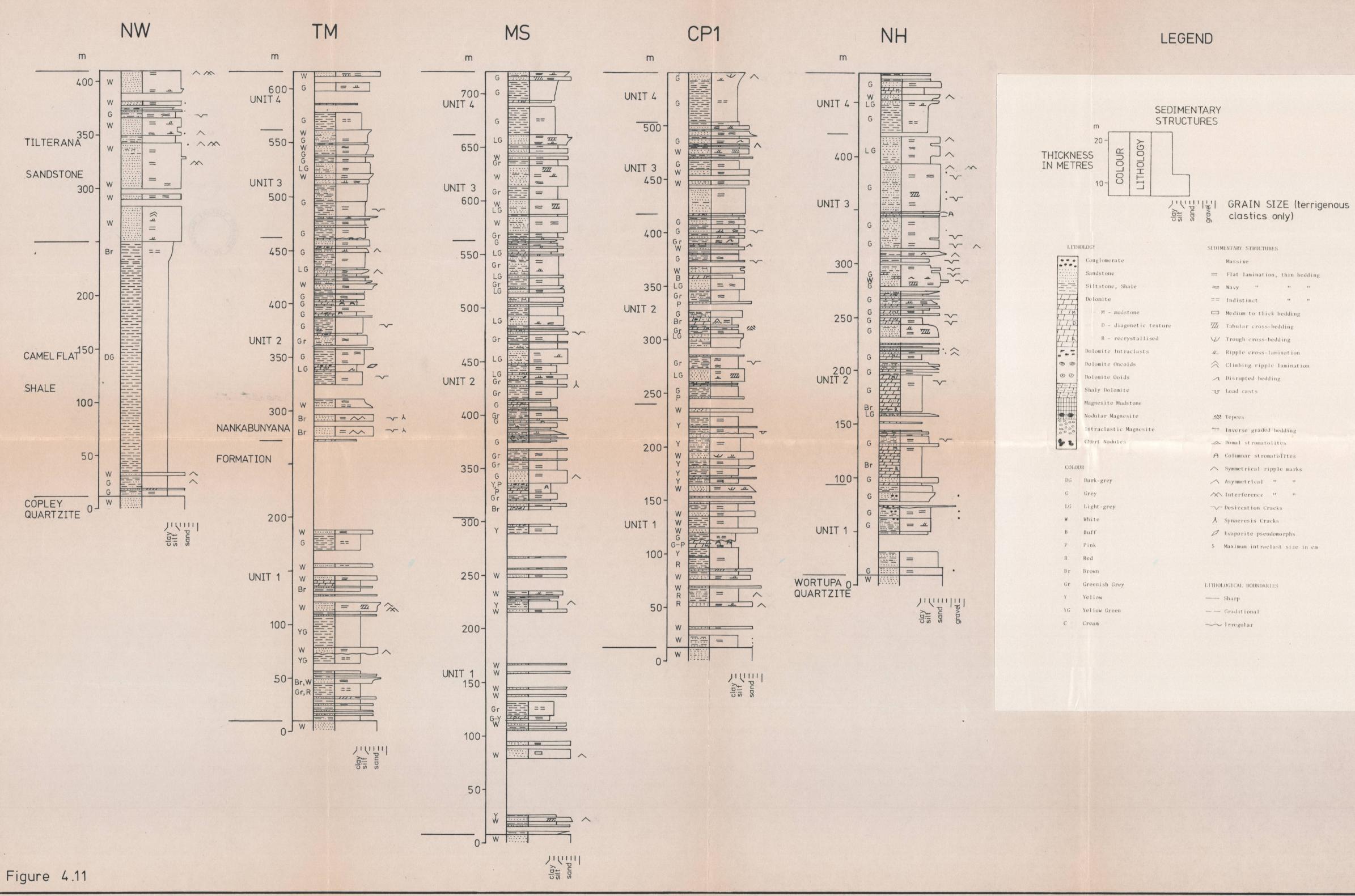


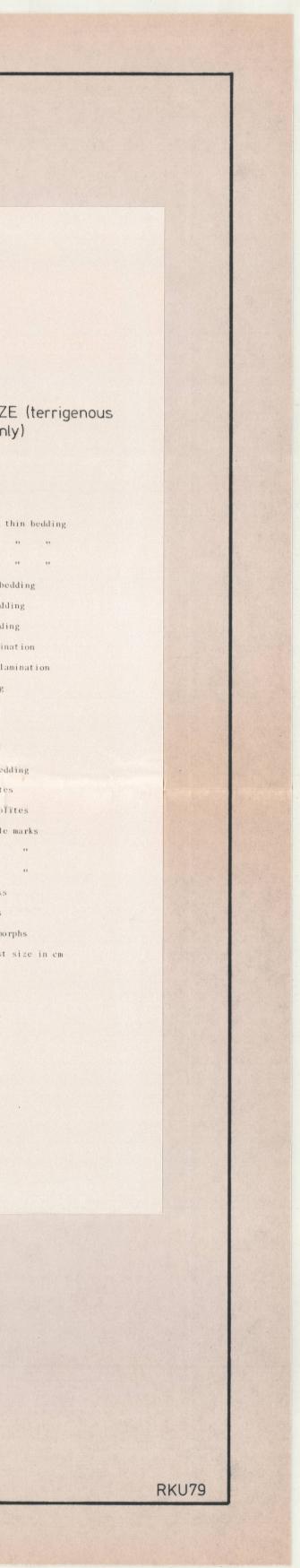


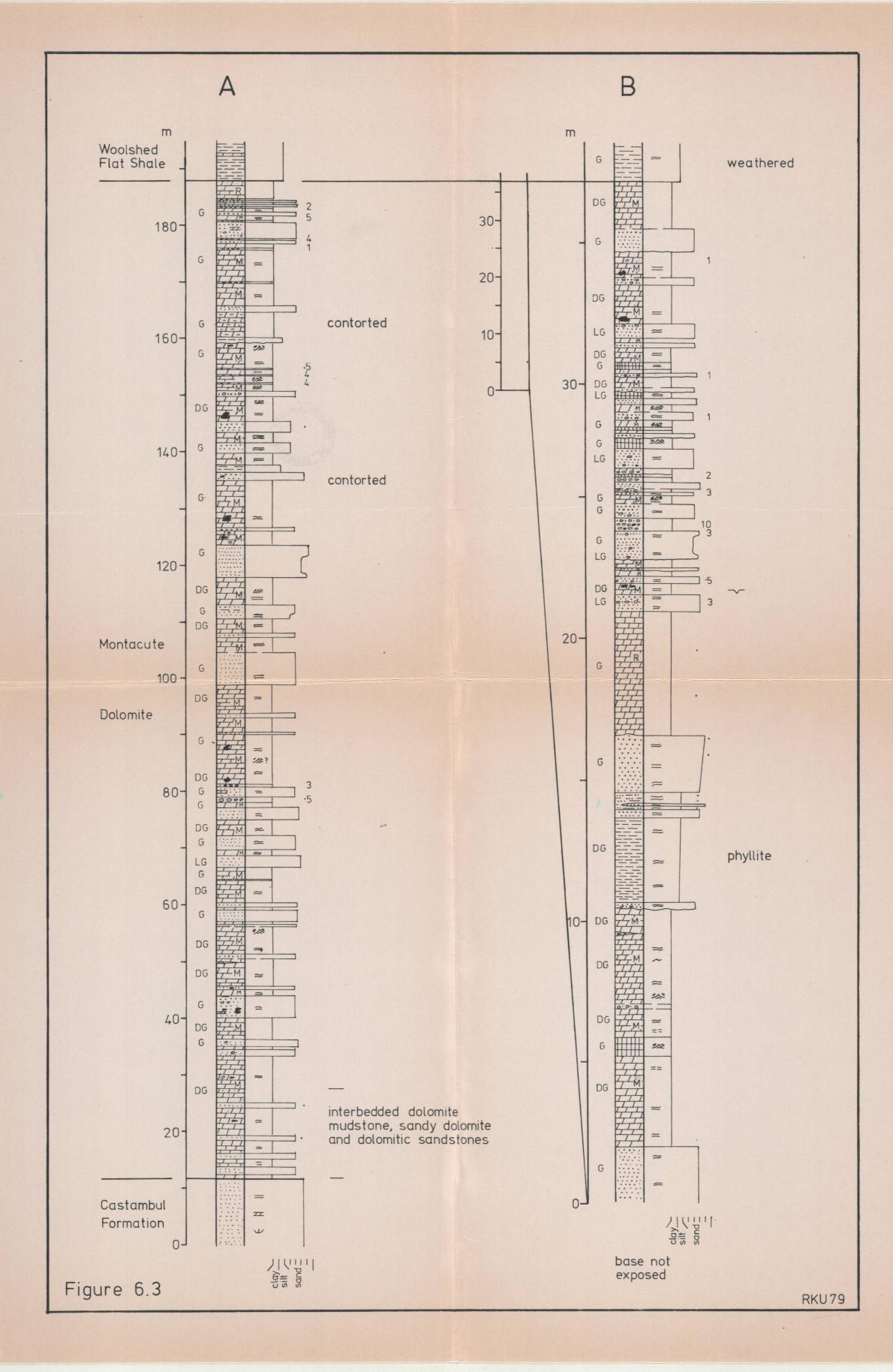


REFERENCE						
BURRA GROUP	MUNDALLIO SUBGROUP	MYRTLE SPRINGS FORMATION		Gravels and alluvium Grey siltstones and sandstones, minor dolomites		
		YADLAMALKA FORMATION		Stromatolite bioherms overlain by grey shale Grey shale overlain by white quartzite Massive stromatolite biostrome	Dark-grey dolomite mudstones, dolomitic sandstones and siltstones, cream intraclastic magnesite, and magnesite mudstones	
		NANKABUNYANA UNIT 3 UNIT 2 FORMATION UNIT 1 COPLEY QUARTZITE		Massive grey-green shales overlain by sandstones White quartzite, grey dolomitic sandstones, grey-green shales Grey dolomitic sandstone, grey-green shales, brown and grey dolomite mudstones and stromatolitic dolomites Massive grey shale overlying dolomite white quartzites White quartzites		











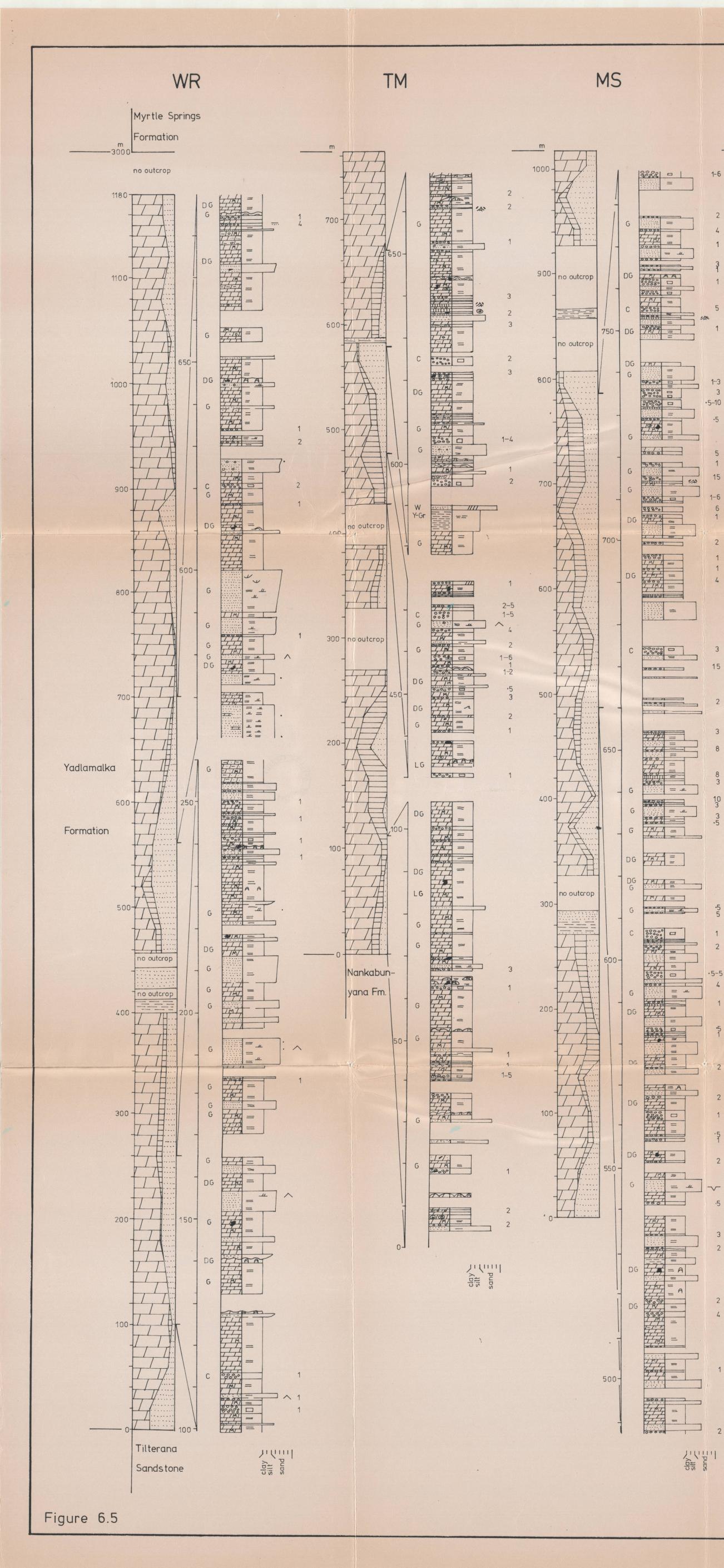
LEGEND

Dolomite Facies Magnesite Facies Sandstones Shales

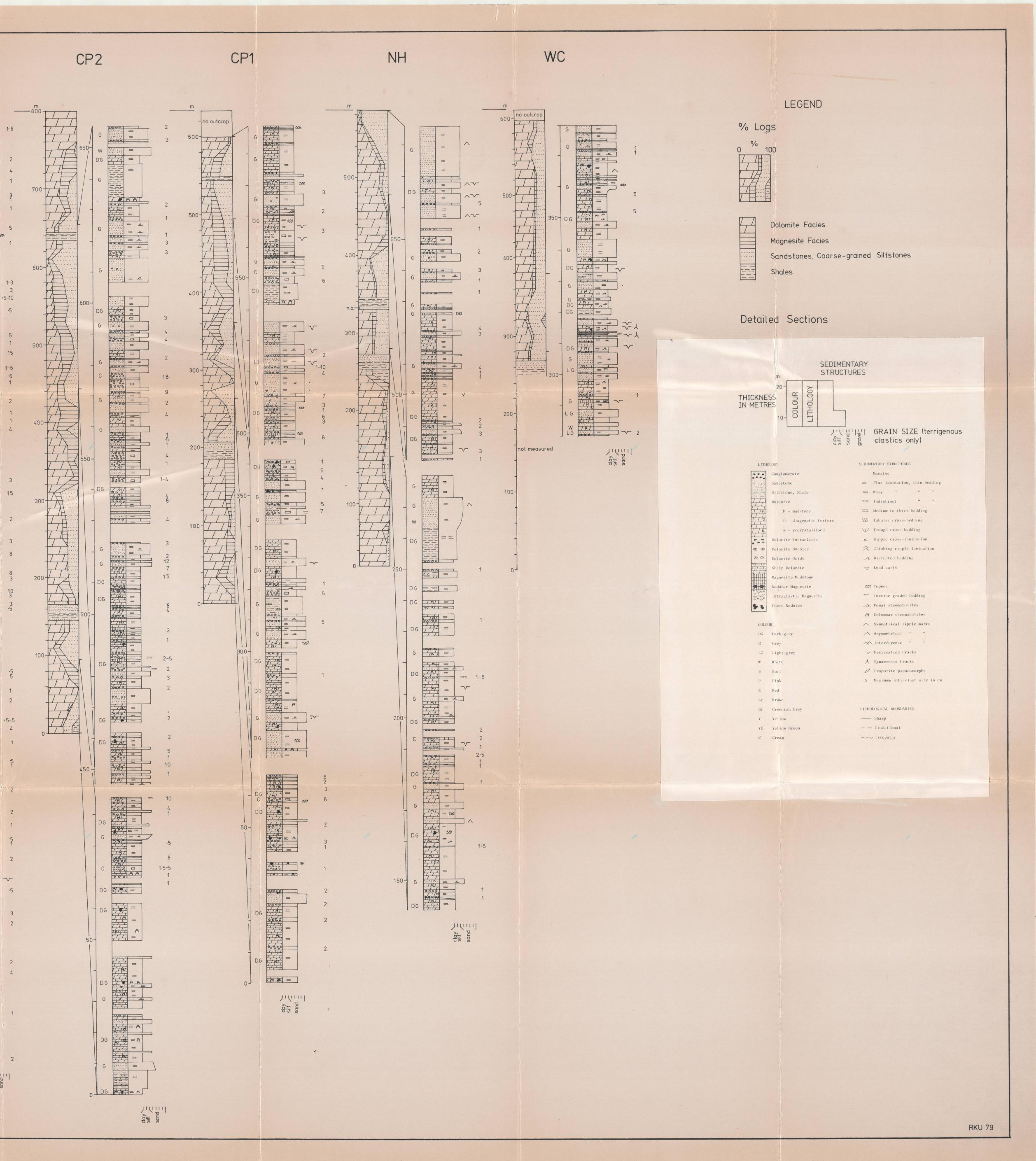
SEDIMENTARY STRUCTURES SEDIMENTARY STRUCTURES Massive = Flat lamination, thin bedding 🗢 Wavy '' 11 11 == Indistinct Medium to thick bedding Tabular cross-bedding ✓ Trough cross-bedding #\_ Ripple cross-lamination Climbing ripple lamination ∧ Disrupted bedding U Load casts 公 Tepees Inverse graded bedding 🗻 Domal stromatolites A Columnar stromatolites ∧ Symmetrical ripple marks Asymmetrical " / Interference " " ----- Desiccation Cracks A Synaeresis Cracks Ø Evaporite pseudomorphs 5 Maximum intraclast size in cm LITHOLOGICAL BOUNDARIES ---- Sharp — — Gradational ~~ Irregular

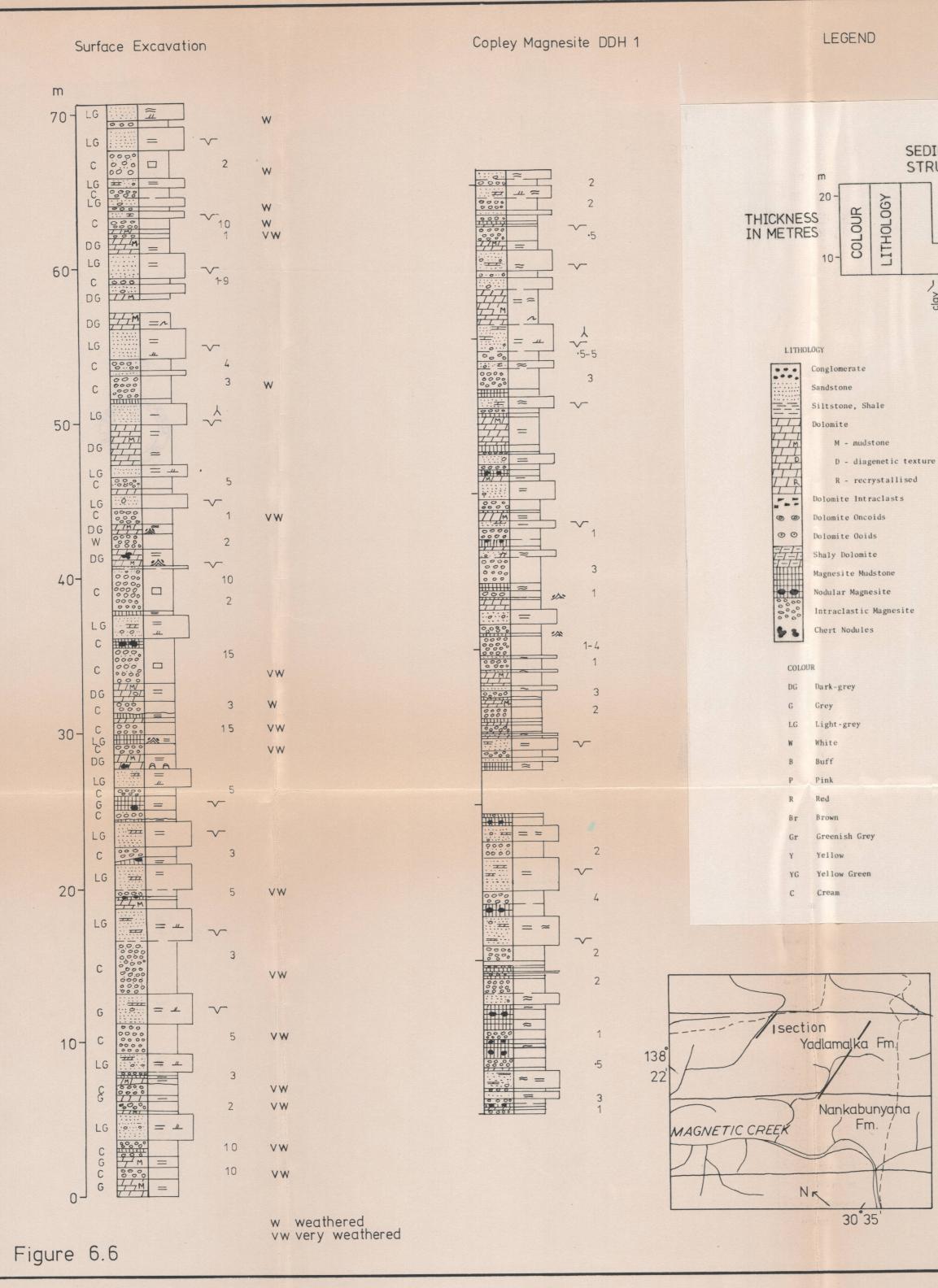
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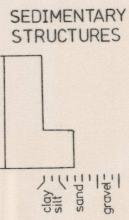
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## GRAIN SIZE (terrigenous clastics only)

## SEDIMENTARY STRUCTURES

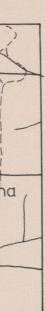
Massive	
= Flat lamination, thin beddi	ng
≈ Wavy " " "	
== Indistinct " "	
Medium to thick bedding	
777 Tabular cross-bedding	
✓ Trough cross-bedding	
<u><i>W</i></u> Ripple cross-lamination	
☆ Climbing ripple lamination	
∧ Disrupted bedding	
Used casts	
次 Tepees	
Inverse graded bedding	
🗻 Domal stromatolites	
A Columnar stromatolites	
∧ Symmetrical ripple marks	
🔨 Asymmetrical " "	
/ Interference " "	
Desiccation Cracks	
Å Synaeresis Cracks	

Ø Evaporite pseudomorphs

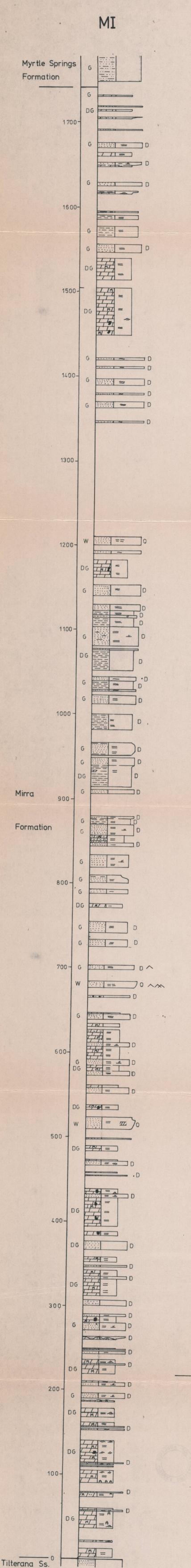
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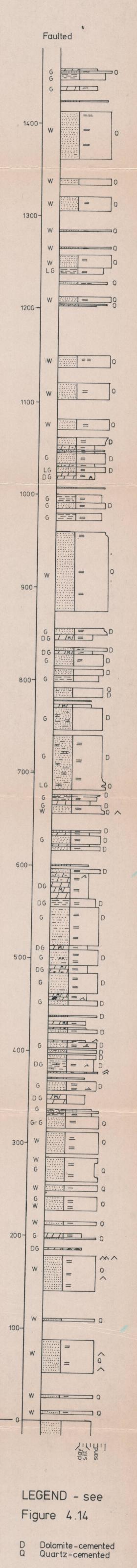
LITHOLOGICAL BOUNDARIES ----- Sharp - - Gradational

~~ Irregular



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