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Distance in kilometres

10

5

BS Bannisdale Slates CG Coniston Grits

ò

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15

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Indicates general orientation of 0 metres 100 principal cleavage (short lines) with respect to bedding

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(Figure 4.23) Geological map of the main Llanelwedd Quarry with inset summary of main kinematic zones (after Woodcock, 1987b).



(Figure 4.24) Structural map of Strinds Quarry with inset stereogram showing modal orientations of strike-slip and dip-slip faults (after Woodcock, 1988).



(Figure 4.25) Structural map of Dolyhir Quarry with inset stereogram showing modal orientations of strike-slip and dip-slip faults (after Woodcock, 1988).

Stratigraphy and timing of events	Description of deformation phase	Phase numbering and contributions by various workers					
		Simpson (1967)	Soper (1970) and cthers (see text)	Moseley (1972)	Roberts (1977)	Webb and Cooper (1988)	This volume
	FAULTING dominantly N and NW trends						
	N-S FLEXURES with weak fracture cleavage				D4		D3
	RECLINED FOLDS with flat crenulation cleavage		D2		D3		D2
Late Early Devonian intrusion of Shap (394Ma) and Skiddaw (399Ma) Granites							
MAIN END-CALEDONIAN PHASE:		<i>r</i> 3	D1	Phase 3	D2	D ₃	D1
(Pridell) WINDERMERE GROUP (Mid-Caradee)	Major and minor, with transecting cleavage, trending NE to E			Related to collision			
VOLCANO-TECTONIC (Early Caradoc) BORROWDALE	FLEXURING AND TILTING Open E-W folding, block faulting		E-W folds large scale, no cleavage	Phase 2		D2	
(Liandeilo)	INITIATION OF			Related to subduction and closure	Not recognized in Skiddaw Group		Volcano-sectoric deformation (Branney and Soper, 1988)
VOLCANO-TECTONIC UPLIPT BEGINS?	DISTRICT ANTICLINE?						
(Llanvirn) (Azenig)				Phase 1	D1	D1	D0
SKIDDAW GROUP	N-TRINDING FOLDS no cleavage	F1 and F2 (descriptions as D1 and D2 this volume)	N-S folds minor, no cleavage	N-S folds, minor in largely unconsolidated	N-S folds, recumbent and minor, in largely unconsolidated	N-S folds (but variable), large and small scale	Large and small scale slumps as Webb and Cooper (1988), early
(Tremadoc) ?		5557.00%		and the second s		and shumps	since every manpa

(Table 3.1) Deformation sequences in the Lake District as interpreted by various authors; the last column shows the system adopted in the present volume.