Tables

(Table 1.1) GCR sites arranged by palaeogeographical setting and stratigraphical age

Bold typeface denotes a basal boundary stratotype for the global standard stratigraphy.

	Llandovery	**Wenlock**	**Ludlow**	**P■ídolí**
Midland Valley	Gutterford Burn			
	Birk Knowes	Lyne water and Lynslie Burn		
	Roughneck Quarry			
	Blair Farm	Ree Burn–Glenbuck		
	Penwhapple Burn	Loch Knockgardner		
	Woodland Point			
	Old Cambus Quarry			
Southern Uplands	Thornylee Quarry	Balmae Coast		
	Grieston Quarry	Meikle Ross		
Lake District Basin	**Dob's Linn**			
	Brow Gill Beck	Brathay Quarries		
	Skelghyll Beck	River Rawthey	Tebay Cuttings	
	Spengill	Torver–Ashgill	Benson Knott	The Helm
	Yewdale Beck	Arcow Quarry	Hills Quarry	
	Meifod			
Welsh Basin	Craigyfulfran		Ty'n-y-Ffordd Quarry	
	Rheidol Gorge	Penstrowed Quarry	Clogau Quarry	
	Caban Côch	Ty Mawr	Dinas Brân	
	Aberarth-Morfa			

Welsh Basin

Margin

Banwy River

Buttington Brickworks

Cwm Clyd Quarry

Scrâch Track

Trefawr Track

Cwm-Coed-Aeron

Coed Glyn Moch Track

Fron Road

Cilgwyn-Ydw Valley

Gasworks Lane

Marloes

Trewern Brook

Buffington Brickworks

Banwy River

Trecoed–Castle Crab

Dulas Brook

Coed-mawr

Pen-cerig

River Irfon

Sawdde Gorge

Wernbongam Marloes

Freshwater East (south)

Beacon Hill

Meeting House Quarry

Mithil Brook and Cwm Blithus

Sawdde Gorge

Lower Wallop Quarry

Capel Horeb Quarry

Little Castle Head

Albion Sands and Gateholm Island

		Buildwas River Section	Turner's Hill	
		Lincoln Hill	Upper Milliehope	
		Daw End Railway Cutting	View Edge	
		Farley Road Cutting	Mocktree Quarries	
		Whitwell Coppice	The Whiteliffe	
		Hay Head Quarries	Church Hill Quarry	
		Hughley Brook	Wigmore Road	
		Easthope-Harley Hill	Deepwood	
		Longville-Stanway Road Section	Mary Knoll Valley	
	Hope Quarry and Hope Brook	Wren's Nest	Pitch Coppice	
	Hughley Brook	Eaton Track	Bow Bridge	
	Hillend Farm	Burrington	Burrington Farm Stream Section	
Midland Platform	Wistanstow Gullet Quarry	Dolyhir Quarries	**Sunnyhill, Mary Knoll Valley**	Brewin's Canal Ludford Lane and Ludford Corner
	Damery Bridge	Little Hill	Goggin Road	
	Cullimore's Quarry	Scutterdine Quarry	Deer Park Road	
		Linton Quarry	Elton Lane	
		Hobbs Quarry	Aymestrey Quarries	
		Cwm-Ton Area	Woodbury Quarry	
		Cilwrgi Quarry	Perton Road and Quarry	
		Brinkmarsh Quarry	Gurney's Quarry	
		Buckover Road Cutting	Linton Quarry	
		Rumney River	Longhope Hill	
		Rumney Quarry	Wood Green	
		Pen-y-Lan Quarry	Tites Point	
		Moons Hill Quarry	Brook House	

(Table 4.1) Lithological log of the Brinkmarsh Formation at Buckover Road Cutting, Tortworth Inlier (after Curtis and Cave, 1964).

Bed no.	Lithology	Thickness (m)

(18)	Hard yellow current-bedded, fine-grained calcareous sandstone, weathering to a brown laminated rottenstone; contains abundant crinoid ossicles.	0.45
(17)	Silty mudstone with some silty sandstone bands; mainly green below and red and green above.	1.21
(16)	Purplish-red shaley mudstone, with occasional bands of hard, green, fine-grained sandstone and a thin layer of green clay at the base.	1.87
(15)	Banded green and purplish-red silty mudstone, with some hard sandy siltstone bands.	2.59
(14)	Banded green and purplish-red silty mudstone, with occasional bands of hard, fine-grained sandstone, and a few pale green clay partings.	1.67
(13)	Green siltstone, with some sandier bands showing fine current bedding and containing rounded masses with curved bedding.	1.21
(12)	Brown sandy siltstone with some curved bedding; abundant fossils.	0.91
(11)	Banded green and purplish-brown silty mudstone.	0.60
(10)	Yellowish-green siltstone, with bands of harder siltstone. Bands of yellowish-brown, fine-grained calcareous siltstone up to 30 cm thick, sometimes highly fossiliferous, most abundant in middle and upper part. Some reddish-brown and purplish streaks towards base and top.	5.48
(9)	Purplish-red mudstone and silty mudstone, with layers of slightly harder siltstone and two 10 cm bands of fine-grained sandstone.	3.04
(8)	Banded purplish-red and drab green mudstone and sandy mudstone with a band of green argillaceous sandstone, 17 cm thick at base.	1.37
(7)	Purplish-red mudstone, with green streaks, and occasional bands of green mudstone and sandy mudstone up to 30 cm thick. Abundant fossils in bed of purple mudstone apparently about 1.8 m above base.	10.05

(6)	Hard, purple and purplish-grey argillaceous and silty limestone, occurring in lumpy, irregular beds with clay partings. The highest 60 cm is most massive and regularly bedded. Drusy cavities, up to 5 cm across, contain small crystals of white and pink celestine. About 60 cm above base is band of purplish-blue clayey mudstone 23 cm thick.	3.66
(5)	Purple and purplish-red mudstone with occasional calcareous nodules; in the lower part a few seams of nodular, lumpy limestone up to 23 cm thick.	2.74
(4)	Purplish-red mudstone, slightly calcareous towards the base, with green limestone and mudstone band, 7 cm thick, at base.	3.95
(3)	Purplish-red mudstone with occasional thin green and purplish-blue bands. Nodular lumps of purple limestone, up to about 10 cm thick, in lower part.	2.42
(2)	Purplish-red mudstone with an occasional calcareous nodule in upper part, and with occasional thin green and purplish-blue bands and streaks.	7.91
(1)	Soft purplish-red mudstone with occasional very thin green partings.	4.50

(Table 4.2) Stratigraphy of the East Mendips Inlier (after Hancock, 1982).

Unit	Lithology/fossils	Thickness (m)
11.	Top andesite.	
10.	Agglomerate, contains well-rounded boulders up to 1 m in matrix of tuff.	18
9.	Upper andesites, basal 2 m flow has reddened top, though possibly also has pillowing, followed by massive lava.	70
8.	Tuff and bedded agglomerate, include red and locally blue-black mudstones, with angular and some rounded boulders up to 23 cm in the agglomerates.	20–29
7.	Main andesites, abruptly overly unit 6, top reddened and eroded below unit 8.	90–135
6.	Tuffs with red and green mudstones, finely interbedded, some tuffs with graded bedding and evidence of cross-bedding.	18
5.	Andesites.	50

4.	Tuffs and sandy tuffs, with fragments up to 2.5 cm, showing graded bedding, together with red and green mudstones, locally fossiliferous. Shelly fauna comprises mainly brachiopods, e.g. *Craniops* sp., *Salopina conservatrix,* '*Camarotoechia*' *tripartita,* '*Camarotoechia*' aff. *llandoveriana, Rhynchotreta cuneata* and *Sphaerirhynchia davidsoni.* Also remains of trilobites, bivalves, gastropods and ostracods (see also Reynolds, 1907; Woodward *et al.,* 1909).	105–135
3.	Andesites, no surface exposure, possibly absent in eastern part of inlier.	30
2.	Tuffs, fine-grained, no surface exposure, possibly absent in eastern part of inlier.	34–60
1.	Shales and siltstones, with brachiopod-dominated shelly fauna, including *Salopina conservatrix, 'Camarotoechia' tripartita,* '*Camarotoechia*' *llandoveriana, Eocoelia angelini, Eoplectodonta duvalii, Coolinia applanata, Resserella canalis, Atrypa reticularis, ?Isorthis clivosa, Eospirifer radiatus* and *Protochonetes* sp.. Trilobite, ostracod, bivalve, coral and *Tentaculites* remains also occur in these Wenlock Shale sediments (see also Reynolds, 1907; Bassett, 1974a).	95+

References

	Llandovery	Wenlock	Ludlow	Přídoli
Midland Valley	Gutterford Burn Birk Knowes Roughneck Quarry Blair Farm Penwhapple Burn Woodland Point	Lyne water and Lynslie Burn Ree Burn–Glenbuck Loch Knockgardner		
Southern Uplands	Old Cambus Quarry Thornylee Quarry Grieston Quarry **Dob's Linn**	Balmae Coast Meikle Ross		
Lake District Basin	Brow Gill Beck Skelghyll Beck Spengill Yewdale Beck	Brathay Quarries River Rawthey Torver–Ashgill Arcow Quarry	Tebay Cuttings Benson Knott Hills Quarry	The Helm
Welsh Basin	Meifod Craigyfulfran Rheidol Gorge Caban Coch Aberarth–Morfa	Penstrowed Quarry Ty Mawr	Ty'n-y-Ffordd Quarry Clogau Quarry Dinas Brân	
Welsh Basin Margin	Banwy River Buttington Brickworks Cwm Clyd Quarry Scrâch Track Trefawr Track **Cwm-Coed-Aeron** Coed Glyn Môch Track **Fron Road** Cilgwyn–Ydw Valley Gasworks Lane Marloes	Trewern Brook Buttington Brickworks Banwy River Trecoed–Castle Crab Dulas Brook Coed-mawr Pen-cerig River Irfon Sawdde Gorge Wernbongam Marloes Freshwater East (south)	Beacon Hill Meeting House Quarry Mithil Brook and Cwm Blithus Sawdde Gorge	Lower Wallop Quarry Capel Horeb Quarry Little Castle Head Albion Sands and Gateholm Island
Midland Platform	Hope Quarry and Hope Brook Hughley Brook Hillend Farm Wistanstow Gullet Quarry Damery Bridge Cullimore's Quarry	Buildwas River Section Lincoln Hill Daw End Railway Cutting Farley Road Cutting **Whitwell Coppice** Hay Head Quarries **Hughley Brook** Easthope–Harley Hill Longville–Stanway Road Section Wren's Nest Eaton Track Burrington Dolyhir Quarries Little Hill Scutterdine Quarry Linton Quarry Hobbs Quarry Cwm-Ton Area Cilwrgi Quarry Brinkmarsh Quarry Buckover Road Cutting Rumney River Rumney Quarry Pen-y-Lan Quarry Moons Hill Quarry	Turner's Hill Upper Millichope View Edge Mocktree Quarries The Whitcliffe Church Hill Quarry Wigmore Road Deepwood Mary Knoll Valley **Pitch Coppice** Bow Bridge Burrington Farm Stream Section **Sunnyhill, Mary Knoll Valley** Goggin Road Deer Park Road Elton Lane Aymestrey Quarries Woodbury Quarry Perton Road and Quarry Gurney's Quarry Linton Quarry Longhope Hill Wood Green Tites Point Brook House	Brewin's Canal Ludford Lane and Ludford Corner

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