

# File:YGS CHR 02 CARB FIG 02.jpg

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Stages	Palynostratigraphy				
	Biozones	Sub-Biozones	Defining criteria	Associated range tops	Associated range bases
Pendleian (pars.)	N1 (pars.)	N1a	↙ <i>C. cribellatus</i>	↙ — <i>Kraeuselisporites</i> sp.A	↗ — <i>C. cf. capistratus</i> , <i>B. nitidus</i>
Brigantian	V5	V5c	↙ <i>V. baccatus</i>		
		V5b	↙ <i>M. margodentata</i>	↙ — <i>D. fragilis</i>	↗ — <i>V. lucida</i>
		V5a	↙ <i>P. delicatus</i>	↙ — [ <i>C. cancellata</i> , <i>M. parthenopia</i> , <i>T. comptus</i> , <i>V. eximius</i> , <i>V. tessellatus</i> ]	↗ — [ <i>C. maculosa</i> , <i>R. fracta</i> , <i>R. knoxiae</i> , <i>S. nux</i> , <i>T. nonguerickei</i> , <i>T. vetustus</i> , <i>T. trivalvis</i> ]
		V4b	↙ <i>M. mutabilis</i>	↙ — <i>Densosporites</i> spp. acme	↗ — <i>M. margodentata</i>
Asbian	V4	V4a	↙ <i>V. congestus</i>	↙ — <i>A. duplicatus</i> , <i>T. distinctus</i> , <i>P. delicatus</i> acme	↗ — <i>M. mutabilis</i> , <i>M. parthenopia</i> , <i>R. magnificus</i> , <i>R. nigra</i> , <i>Rotasporea</i> spp., <i>S. arenaceus</i>
		V3c	↙ <i>C. cribellatus</i>		↗ — <i>T. marginatus</i> , <i>T. distinctus</i>
Holkerian	V3	V3b	↙ <i>P. tessellatus</i>	↙ — <i>D. magnus</i> , <i>A. acritarchus</i>	↗ — <i>P. delicatus</i>
		V3a	↙ <i>S. claviger</i>	↙ — [ <i>R. clavata</i> , <i>R. corynoges</i> , <i>R. polypytcha</i> , <i>C. circumvallata</i> ]	↗ — <i>Diatomozonotriletes</i> spp., ↗ — <i>Schulzospora</i> spp., <i>Densosporites</i> spp. acme
		V2b	↙ <i>D. intermedius</i>		↗ — <i>D. pseudoannulatus</i>
		V2a	↙ <i>P. scolecophora</i>	↙ — <i>P. irrasus</i>	↗ — <i>K. triradiatus</i>
Arundian	V1	V1a	↙ <i>L. pusilla</i>	↙ — <i>S. claviger</i> acme	↗ — <i>K. stephanephorus</i>
Chadian					
Courseyan	T1	T1a			

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## Summary

### description

**English:** Figure 2 North Sea Dinantian miospore biozones. No vertical scale implied.

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**author** D. McLean, B. Owens, R. Neves

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Carboniferous hydrocarbon resources: the southern North Sea and surrounding onshore areas

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