

GSA Data Repository Item # 9007

Title of article Stable isotope evidence for foraminiferal habitats during the development of the Cenomanian/Turonian oceanic anoxic event

Author(s) R. M. Corfield, M. A. Hall & M. D. Brasier

see Geology v. 18, p. 175 - 178

Contents

Appendix (2 pg.)

Corfield et al. Isotopes in late Cenomanian foraminifera

Stable isotope evidence for foraminiferal habitats during the development of the Cenomanian/Turonian oceanic anoxic event

R. M. Corfield, M. A. Hall and M. D. Brasier

Appendix: Oxygen and carbon isotope data for Late Cenomanian foraminifera from Shakespeare Cliff

Sample	Species	fraction	Oxygen	Size		Carbon (+)
				(+)	(+)	
KR119	<u>G. baltica</u>		-2.83		4.46	
KR119	<u>H. delrioensis</u>	D	-4.37		4.89	
KR120	<u>G. baltica</u>	C	-1.52		5.10	
KR120	<u>G. baltica</u>	D	-1.75		5.00	
KR120	<u>H. delrioensis</u>	C	-3.13		5.56	
KR120	<u>H. delrioensis</u>	D	-3.14		5.63	
KR120	<u>E. brevis</u>	C	-2.19		4.83	
KR120	<u>E. brevis</u>	D	-1.96		5.17	
KR120	<u>G. baltica</u>	Mean	-1.63	.162	5.05	.070
KR120	<u>H. delrioensis</u>	Mean	-3.13	.007	5.59	.049
KR120	<u>E. brevis</u>	Mean	-2.07	.162	5.00	.240
KR121	<u>G. baltica</u>	D	-2.29		4.46	
KR121	<u>H. delrioensis</u>	D	-3.82		4.88	
KR122	<u>G. baltica</u>	D	-1.91		4.48	
KR122	<u>H. delrioensis</u>	D	-3.38		5.34	
KR122	<u>D. hagni</u>	D	-3.09		5.20	
KR123	<u>G. baltica</u>	D	-3.14		4.33	
KR123	<u>G. baltica</u>	E	-3.37		4.20	
KR123	<u>H. delrioensis</u>	D	-5.81		3.89	
KR123	<u>H. delrioensis</u>	E	-5.83		3.67	
KR123	<u>D. hagni</u>	D	-4.96		4.13	
KR123	<u>H. simplex</u>	E	-5.82		3.54	
KR123	<u>G. baltica</u>	Mean	-3.25	.162	4.26	.091
KR123	<u>H. delrioensis</u>	Mean	-5.82	.014	3.78	.155
KR124	<u>G. baltica</u>	D	-1.43		4.73	
KR124	<u>D. hagni</u>	D	-2.99		5.23	
KR124	<u>E. brevis</u>	D	-1.87		4.46	
KR125	<u>G. baltica</u>	D	-0.85		4.84	
KR125	<u>D. hagni</u>	D	-2.75		5.66	
CVJ4	<u>G. baltica</u>	D	-3.66		3.80	
CVJ4	<u>R. cushmani</u>	D	-4.47		3.64	
CVJ4	<u>W. archaeocretacea</u>	D	-5.48		3.46	
KR128	<u>G. baltica</u>	E	-3.29		4.00	
KR128	<u>G. baltica</u>	F	-3.38		4.04	
KR128	<u>H. delrioensis</u>	ED	-4.14		4.71	
KR128	<u>G. baltica</u>	Mean	-3.33	.063	4.02	.028
CVJ2	<u>G. baltica</u>	E	-2.29		4.13	
CVJ3	<u>G. baltica</u>	C	-4.45		2.46	
CVJ3	<u>G. baltica</u>	D	-4.25		2.57	
CVJ3	<u>R. cushmani</u>	B	-6.00		2.75	
CVJ3	<u>R. cushmani</u>	C	-6.03		2.79	
CVJ3	<u>R. cushmani</u>	D	-5.85		2.92	
CVJ3	<u>W. archaeocretacea</u>	D	-6.04		3.05	
CVJ3	<u>G. baltica</u>	Mean	-4.35	.141	2.51	.077
CVJ3	<u>R. cushmani</u>	Mean	-5.96	.096	2.82	.088
CVJ1	<u>G. baltica</u>	D	-3.81		1.99	

Corfield et al. Isotopes in late Cenomanian foraminifera

CVJ1	<u>G. baltica</u>	E	-3.60	2.14
CVJ1	<u>G. baltica</u>	F	-3.65	2.15
CVJ1	<u>H. delrioensis</u>	D	-6.30	2.73
CVJ1	<u>H. delrioensis</u>	E	-6.22	2.86
CVJ1	<u>H. delrioensis</u>	F	-5.93	2.82
CVJ1	<u>R. cushmani</u>	D	-5.94	2.58
CVJ1	<u>R. cushmani</u>	E	-5.92	2.62
CVJ1	<u>R. cushmani</u>	F	-5.95	2.58
CVJ1	<u>G. baltica</u>	Mean	-3.68 .109	2.09 .089
CVJ1	<u>H. delrioensis</u>	Mean	-6.15 .194	2.80 .066
CVJ1	<u>R. cushmani</u>	Mean	-5.93 .015	2.59 .023
KR129	<u>G. baltica</u>	E	-3.52	2.50
KR129	<u>H. delrioensis</u>	E	-5.86	3.14
KR129	<u>R. cushmani</u>	E	-5.84	2.93
KR130	<u>G. nitida</u>	E	-3.80	2.36
KR130	<u>H. delrioensis</u>	E	-4.54	2.82
KR130	<u>D. hagni</u>	E	-4.83	2.78
KR130	<u>R. cushmani</u>	EF	-4.47	2.76
KR131	<u>G. nitida</u>	E	-3.40	2.16
KR131	<u>H. delrioensis</u>	E	-4.10	2.98
KR131	<u>D. hagni</u>	E	-3.96	2.81
KR113	<u>G. intermedia</u>	E	-1.65	1.95
KR91	<u>G. baltica</u>	D	-3.39	1.95
KR91	<u>L. jarzevae</u>	D	-3.52	2.36
KR91	<u>G. trochoidea</u>	D	-3.92	2.61
KR91	<u>H. planispira</u>	D	-4.22	2.61