

MID JURASSIC ZONATION

Age Stage Substage

AMMONITE CHRONOZONE

ZONE

BIOEVENTS

Age	Stage	Substage	AMMONITE CHRONOZONE	ZONE	BIOEVENTS	
165	Callovian	Lt.	lamberti	JZ28	M. groenlandicum CMN, C. dictydia, P. paracalathus, L.jurassica, L.crist/caytonensis, L.calloivianum R.gochtii, W.fimbriata, S.vestitum CMN, E.evittii	
			athleta	JZ27 JZ26	W. acollaris, D. filipicata, L. spongiosa, C.ectotabulata, K.hypornatum, C. dictydia CMN, A.cf.teichophora, C.pachydermum, S.crystallinum, L.scarburghensis	
		M.	coronatum	JZ25	b	N. pellicuda CMN, C.cf."edentulum", E.galeritum
			jason			a
		E.	calloviense	JZ24	a	K.hypornatum CMN, C.varispinosum, S.creberbarbatum, S.recliffense, G.j.longicornis
			koenigi			C.hyalina CMN, P.calloviensis/retiphragmata, C.polonicum
	E.	herveyi	JZ23	K.hypornatum ssp. A, G.pectinigera, D.asketa	A.aldorfensis, Polystephanophorus sp. A	
		discus	JZ22	G. pectinigera CMN, Q. anellaformis V.ampulla	A.aldorfensis ACME, Poly sp. A ACME	
	Bathonian	Lt.	orbis	JZ21	E."inflata", C.gochtii., V.ampulla CMN Crussolia? sp. A, V.spinosa, V.vermicylindratum, E."inflata" ACME, D."delicavarus", Crussolia? sp. A ACME	
			hodsoni	JZ20	d	N.pellicuda Late Bathonian ACME, A.teichophora, C.gochtii, L.spongiosa, P.paracalathus, P.calloviensis, C."edentulum" DOM, N.pellicuda, T."horridus", D.aspera, T."aequiverrucatus", I."latimurus", K."cyclus"
		progracilis	b			D.aspera CMN, D.aspera ACME
		zigzag				a
M.		progracilis	JZ19	a	D.willei CMN, D.daveyi CMN, S.grossii	
		zigzag			JZ18	b
Bajocian	E.	parkinsoni	JZ17	b	D. psilatatum CMN, B."murchisoni" CMN, P.thomasii, N.gracilis/senex, B.asymmetra CMN, D.psilatum CMN, B.laevigata CMN, B.pelionense DOM, E.granochagrinata	
		garantiana			a	P.thomasii CMN, P.eumekes, B."murchisoni" CMN, D.omentifera CMN
	Lt.	niortense	JZ16	b	E.granochagrinata/"granulosa" CMN, R.gochtii, P.thomasii CMN	
		humphriesianum			a	V.brevipellitum, V.vermipellitum, E.spongogranulata, B.asymmetra CMN, B.laevigata CMN, V.vermicylindratum
	E.	propinquans	JZ15	a	E.granochagrinata/"granulosa" ACME, N.gracilis/senex CMN, S.scrofoides, N.raungardii CMN, S.prisicus, V.armatum	
		laeviuscula			JZ14	N.raungardii CMN, L.of.spinosa, K.distincta (=N.spiculata sensu BioStrat)
discites		JZ13	a	L."solispinus", Botryococcus ABT (Brent Province), N.truncata		
concovum				JZ12	N.triceras, F.senilis, E.eschachensis, D.willei ABT (local)	
Aalenian	Lt.	bradfordensis	JZ12	a	S.weberi, K.praussii, N.gracilis/senex ABT, N.plegas, O.pseudochytrioedes, D.willei CMN (local)	
		murchinsonae			K.praussii CMN, Botryococcus ABT (Norwegian Sea), E.granochagrinata CMN, E.eschachensis	
	M.	opalinum	JZ11	a	S.prisicus CMN, Evansia/Caddasphaera ACME	
		opalinum			P.bululla, P.nasuta, P.nasuta sensu Riding et al., P.cracens, S.knertene, R.cardobarbata, R.holotabulata (cons), S.prisicus ACME, P.frommnerensis	