

LATE CRETACEOUS ZONATION			ZONE	BIOEVENTS			
Age	Stage	Substage	BioStrat Ltd.				
70	Maastrichtian	Lt.	LKZ24	A.tenuicappillata CMN, D. carposphaeropsis, C.expansum, A.cf.castelcasiense CMN, C. diebelii P.grallator ABT, S. delitiense, Aquilapollenites spp. C.utinensis	P.grallator, A.cf.castelcasiense, A.tenuicappillata & G.expansum ACMES P.grallator, A.cf.castelcasiense, T."incognitum" A.tenuicappillata & G.expansum		
			LKZ23	C. diebelii CMN, H. quasiscabrata, L.cooskoniae T.fragile CMN, H. irisae, L.septentrionalis CMN T. utinensis, T. wilsonii	T.fragile/evittii Late Maastrichtian ACME C.wetzeli ACME M.seelandica, D.carposphaeropsis		
			LKZ22	S. delitiense CMN, C. cf.scabrosa L.arcticum	C.cf.scabrosa ACME LCO F.fragile FCO L.septentrionalis		
		E.	LKZ21	Aquilapollenites CMN, Multiplicisphaeridium sp A.acutum CMN, H.pulchrum, O.costata	T."incognitum" ACME		
			LKZ20	A.denticulata, Hyst. sp.3 McIntyre O. diducta, Deflandrea sp.2 McIntyre	T.fragile/evittii Early Maastrichtian ACME		
			LKZ19	C. biapertura CMN, O."shetlandense", Cass. PK45 S."maastrichtia", Caningia sp.1	FO T. utinensis & A. denticulata, FCO C. diebelii S."maastrichtia" & O.diducta ACMES LO Orbiculipollis CMN, O."granulatus", M.trapeziformis & Integricorpus sp.1 O."shetlandense" ACME		
			LKZ18	LO H.heteracanthum FRQ, LCO O."shetlandense" Pinusorioides, LCO Caningia sp.1, LCO S.clavus LO C.niiga, C.manumii, C.granulifera & D. sibiricum FO Hyst.sp.3 & Defl.sp.2 McIntyre, FO Cass. PK45 FCO S. delitiense, C.biapertura & A.acutum	FCO Caningia sp.1		
		Lt.	LKZ17	H.heteracanthum ABT, R. fucatum CMN, S."eodelitiense", O. Molesta, O.porosa X.ceratioides	H.heteracanthum ACME FCO O."shetlandense" FO O. diducta (consistent/frequent)		
			LKZ16	L.rhombiforme CMN, T.castanea C.manumii, C.granulifera CMN, C. asymmetricum Fibalapollis sp. 1 CMN C. grossa	C.manumii ACME P.pyrophyllum L. Campanian ACME		
		75	Campanian	Lt.	LKZ15	O.costata CMN, Chlamydothorella spp. CMN S."eodelitiense"	C."ectogranulata" ACME
LKZ14	T.suspectum CMN, P.infusorioides CMN C. ditissima CMN A. wilsonii C.niiga CMN, T."granulatum"				Multiplicisphaeridium sp., O."shetlandense", FCO Orbiculapollis spp., FCO triproctate pollen O.molesta, T."incognitum"		
LKZ13	T."spinosum", I.microarmum, A.ioannidesii Ecf.ingramii CMN, P.cretaceum				C.bondarenkoi CMN, U.boreale, P. Hystrichosphaeridium spp. Campanian ACME		
E.	LKZ12			A.ioannidesii CMN F.buspina			
	LKZ11			T."spinosum" CMN, I.microarmum CMN P."membranitabulatum", M.polycladiata, A."daveyi" R. truncigerum, S.protrusa, S.rotundata S.longifurcatum, X.alatum, S."cristatum" M.pentagonum, C."nissum", C.tripartita	Dinogymnium sp. 1 McIntyre T."spinosum" CMN, D. sibiricum C.niiga CMN I.microarmum CMN, R. truncigerum A.ioannidesii CMN P.pyrophyllum Santonian ACME		
M.	LKZ10			S.longifurcatum CMN, S.porosus, T.vermic. CMN S.coronatum, P.crassipes, R.rigidum, H.cf.difficile CMN, H.difficile (rare) C."spinosa", D. litotes, P. cf. cretaceum ABT	R.rigidum, S.protrusa, FAO P.pyrophyllum C."spinosa" & T."granulatum" ACMES		
	LKZ9			C.spinosa ABT			
E.	LKZ8			H.difficile CMN, F.torulosa, C.filoreticulata, K.readei, O."cavata", A.scheii, C.mcintyrei, C.macroreticulata, C.vannophorum, U.boreale CMN, K.williamsii	H.difficile ACME C.filoreticulata, A.scheii		
	LKZ7			I. magnum/amphiatum, P.truncatum, S.hugoniotii CMN	S.echinoidea ACME O.diducta, F. torulosa, S.echinoidea		
85	Santonian			Lt.	LKZ6	C.compactum/membraniphorum P.infusorioides ABT, Dorocysta sp. A	C."nissum" ACME O."cavata" ACME
		LKZ5	I. magnum/amphiatum CMN, Protoellipsoidinium spp. I.acuminatum CMN, E.saxonense CMN		O."cavata" ACME C.granulifera, C.victoriensis, C.biapertura, C.bondar. C.obscura, M.maastrichtia, H.difficile CMN		
		M.	LKZ4	C.membraniphorum/compactum CMN, G.cassidata, C.obliquicostatum K.unituberculatum, P.parvispinum	H.difficile, S.rotundata, F.buspina A."hyalogonylum" RRI, E.cf.glomeratum RRI		
			LKZ3	L.siphoniphorum, E.ludbrookiae F.cooskoniae, A.granulatum	T.suspectum CMN D.litotes ACME L.siphoniphorum ACME		
		E.	LKZ2	A."cenomaniana", E.rugulosum E.spinosa, E. dettmanniae, H.dictyota, H.peridicta, I. gallium, S. crassimuratus, P.palaeofusum, O.perforatum, O.totum	P. infusorioides CMN, C. comp/memb I. magnum/acuminatum CMN I. magnum/acuminatum E. ludbrookiae, A."hyalogonylum" RRI, E.cf.glomeratum RRI		
			LKZ1	X.plotiei, O.rhakodes R.paucispina CMN, "Sidridinium" spp., ?Hapsocysta sp. Davey "Sidridinium" spp. CMN	"Sidridinium" CMN		
		90	Turonian	Lt.	LKZ2	O.verrucosum, E. dettmanniae CMN	
					LKZ1		
		95	Cenomanian	E.	LKZ2		
					LKZ1		