APPENDIX 1

Distribution of calcareous nannoplankton in the Kremna Formation

	WAKSMUND	KNURÓW							FRYDMAN			CHAPEL ST. KINGA			SKOTNICKI SECTION			
Sample	11	2	4	5	34	35	146/ 98/N	147/ 98/N	142/ 98/N	143/ 98/N	144/ 98/N	WP921			WP491			
												1	2	3	1	2	3	4
sample abundance	H	H	M	H	M	H	M	H	M	H	M	M	M	H	M	H	H	H
nannofossil preservation	M	M	G	G	M	M	G	G	M	M	G	G	M	G	M	M	M	M
Autochthonous species																		
Braarudosphaera bigelowii	*x*	*x*				*x*						*x*		*x*		*x*		
Chiasmolithus gigas															*x*	*x*	*x*	*x*
Chiasmolithus grandis															*x*	*x*	*x*	*x*
Coccolithus pelagicus	*x*		*x*	*x*	*x*	*x*	x	x	x	x	x	*x*	*x*	*x*	*x*	*x*	*x*	*x*
Coronocyclus nitescens	*x*	*x*	*x*			*x*	x	x	x	x	x	*x*	*x*	*x*				
Cyclicargolithus floridanus	*x*	*x*	*x*	*x*	*x*	*x*	x	x	x	x	x	*x*	*x*	*x*	*x*	*x*	*x*	*x*
Cyclicargolithus luminis			*x*	*x*	*x*									*x*			*x*	
Discoaster barbadiensis															*x*	*x*	*x*	*x*
Discoaster deflandrei	*x*	*x*		*x*		*x*		*x*		x	x	*x*		*x*	*x*		*x*	*x*
Discoaster saipanensis															*x*	*x*	*x*	*x*
Ericsonia formosa															*x*	*x*	*x*	*x*
Chiasmolithus solitus																*x*		*x*
Neococcolithes dubius																*x*	*x*	
Reticulofenestra hagii			*x*	*x*	*x*	*x*		*x*		x	x		*x*					
Sphenolithus conicus	*x*	*x*	*x*			*x*	x	x	x	x	x	*x*	*x*	*x*				
Sphenolithus disbelemnos	*x*	*x*	*x*	*x*	*x*	*x*	x	x	x	x	x	*x*	*x*	*x*				
Sphenolithus dissimilis	*x*	*x*	*x*			*x*	x	x	x	x	x	*x*	*x*	*x*				
Sphenolithus moriformis	*x*	*x*	*x*	*x*	*x*	*x*	x	x	x	x	x	*x*	*x*	*x*	*x*	*x*	*x*	*x*
Umbilicosphaera rotula	*x*	*x*	*x*	*x*	*x*	*x*	x	x	x	x	x	*x*	*x*	*x*				
Reworked species																		
Biantholithus sparasus																		
Blackites spinosus	*x*		*x*			*x*					x		x					
Chiasmolithus bidens			*x*			*x*												
Chiasmolithus californicus	x		*x*			*x*				x			x					
Chiasmolithus gigas	x								x	x					x	x	x	x
Chiasmolithus grandis	x		*x*															
Chiasmolithus modestus	x																	
Chiasmolithus solitus	x										x		x		x			
Chiphragmolithus calathus	x		*x*			*x*												
Coccolithus subpertusus	x		*x*			*x*	x	x										
Cruciplacolithus primus	x		*x*			*x*							x		x	x	x	x
Cruciplacolithus tenuis	x		*x*			*x*							x					
Discoaster barbadiensis			*x*			*x*	x	x		x	x					x		
Discoaster binodosus			*x*			*x*	x	x		x	x	x		x			x	
Discoaster diastypus			*x*			*x*		x							x			
Discoaster kuepperi			*x*			*x*	x	x		x	x		x				x	
Discoaster limbatus			*x*				x										x	
Discoaster mirus	x	x	*x*			x		x										
Discoaster multiradiatus							x	x	x	x	x	x		x	x		x	x
Discoaster saipanensis						x	x	x	x			x		x				
Discoaster wemmelensis	x		x		x		x	x		x	x	x	x					
Ericsonia formosa	x	x	x	x	x	x	x	x	x	x	x	x		x				
Helicosphaera compacta	x		x			x	x	x		x	x	x	x					
Heliolithus kleinpelli			*x*			*x*	x	x	x	x	x		x	x		x	x	
Lophodolithus nascens	*x*		*x*			*x*	x	x		x	x							
Nannoterina qudrata	*x*		*x*			*x*	x	x		x	x		x			x		x
Neochiastozygus perfectus	*x*		*x*			*x*	x	x		x	x							
Neococcolithes dubius	*x*		*x*			*x*	x	x	x	x	x	x						
Neococcolithes minutus			*x*				x	x										
Neococcolithes protenus	*x*		*x*			*x*	x	x		x	x		x					x
Pontosphaera discopora	*x*		*x*			*x*	x	x		x	x	x		x	x	x		x
Pontosphaera latelliptica	*x*		*x*			*x*	x	x		x	x		x	x	x		x	x
Pontosphaera multipora														x				
Pontosphaera plana	*x*		*x*			*x*												
Rhabdosphaera inflata	*x*		*x*			*x*		*x*		x				x		x		x
Sphenolithus calyculus	*x*		*x*										x		x			
Sphenolithus editus	*x*		*x*		*x*	*x*												
Sphenolithus pseudoradians	*x*	*x*		*x*	*x*		x	x		x	x		x	x	x		x	x

Sphenolithus radians	*x*	*x*	*x*	*x*	*x*	*x*	x	x		x	x							
Sphenolithus spiniger	*x*		*x*			*x*		*x*					x		x		x	
Tetralithoides symeonidesii	*x*		*x*			*x*	x	x		x	x	x				x		
Toweius callosus	*x*	*x*	*x*			*x*	x	x		x	x							
Toweius crassus	*x*		*x*	*x*	*x*	*x*	x	x		x	x	x		x				
Toweius eminens	*x*		*x*			*x*	x	x		x	x			*x*	x	x		
Toweius occultatus	*x*		*x*			*x*							x			x		
Toweius pretusus	*x*		*x*			*x*												
Toweius rotundus	*x*		*x*			*x*	x	x		x	x							
Toweius selandianus	*x*		*x*			*x*	x	x		x	x	x				x		
Transveropontis pulcheroides	*x*						x	x		x	x			*x*		x		
Transversopontis pulcher	*x*	*x*		*x*	*x*		x	x		x	x		x		x			x
Tribrachiatus orthostylus	*x*		*x*			*x*	x	x		x	x	x		x		x		x
Zygrhabilithus bijugatus	*x*	*x*	*x*	*x*	*x*	*x*	x	x		x	x		x			x		x
Cretaceous species, undivided	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

Nannofossil abundance: VH – very high (> 20 specimens per 1 field of view (fv)), H – (10—20 specimens per 1 fv), M – moderate (5—10 specimens per 1 fv), L – low (1—5 specimens per 1 fv), VL – very low (< 5 specimens per 5 fv); nannofossil preservation: VP – very poor, P – poor, M – moderate, G – good