

APPENDIX 1

Taxonomical composition of foraminiferal samples from the Lipie section

	Sample number												
	89/23/09	88/22/09	87/21/09	86/20/09	85/19/09	84/18/09	83/17/09	81/15/09	80/14/09	79/13/09	78/12/09	76/10/09	75/9/09
<i>Adercotryma agterbergi</i> Gradstein et Kaminski		6											
<i>Ammodiscus cretaceus</i> (Reuss)			2		4		3	23	55/1		6	2	22
<i>Ammodiscus latus</i> Grzybowski					4		5	93	108/1	102/29	17	4	31
<i>Ammodiscus peruvianus</i> Berry					12	16	16	17	48	190/10	8	12	36
<i>Ammodiscus tenuissimus</i> Grzybowski			2		4		13	8	19			14	
<i>Ammodiscus</i> sp.									8	5		2	70
<i>Ammolagena clavata</i> (Jones et Parker)	1			4		8		1	6	20	1		
<i>Ammosphaeroidina pseudopauciloculata</i> (Mjatliuk)		22/2	26	28	1200	56	152	235	510			6	
<i>Annectina biedai</i> Gradstein et Kaminski													2
<i>Annectina</i> sp.										17/9 (13)			
<i>Arthodendron grandis</i> (Grzybowski)								4					
<i>Arthodendron</i> sp.					12	8				3			
<i>Bathysiphon</i> sp. and <i>Nothia</i> div. sp.	18	6	190	290/58 (90)	148/4	70/32	362/15 (17)	232/18 (21)	218/3	1162/217 (329)	600/1	186/2	158
<i>Bulbobaculites</i> sp 1.				1					1/1	5/5	2		
<i>Buzasina pacifica</i> (Krashennikov)			2	12				2/1					
<i>Caudamina ovula</i> (Grzybowski)					2								
<i>Caudamina</i> sp.		2											
<i>Cribrostomoides subglobosus</i> (Cushman)	18		36/2	24		60		4	4	20/10 (20)	8	190	166
<i>Cyclamina placenta</i> (Reuss)									2				
<i>Cystamina</i> sp.		2				32			2				
<i>Dolgenia</i> sp.	1	4	36		4	16	26/1	3	50/3 (4)	14	2		2
<i>Glomospira charoides</i> (Jones et Parker)	4	24	22	32	4	16	44	43	85	48	10	10	152
<i>Glomospira glomerata</i> (Grzybowski)		6			12		75	35	68				7
<i>Glomospira gordialis</i> (Jones et Parker)	5	2	12	8	12			35	48	70	4	14	42
<i>Glomospira serpens</i> (Grzybowski)								2	13				2
<i>Glomospira</i> sp.										4/4			
<i>Haplophragmoides excavatus</i> Cushman			12			24							
<i>Haplophragmoides horridus</i> (Grzybowski)	9			12/10									
<i>Haplophragmoides kirki</i> Wickenden						8/4	17	5				70	24
<i>Haplophragmoides nauticus</i> Kender, Kaminski et Jones	2	2	2	44	8	24		101					36
<i>Haplophragmoides parvulus</i> Blaicher			20		24		1			4			
<i>Haplophragmoides porrectus</i> Maslakova												2	
<i>Haplophragmoides stomatus</i> (Grzybowski)				12					8		50/1	26	
<i>Haplophragmoides walteri</i> (Grzybowski)	13	4	18	48	12/1	202/10	15	121	4			2	286
<i>Haplophragmoides</i> sp.	1	2					53	15	20				12
<i>Hormosina trinitatisensis</i> Cushman et Renz											6		
<i>Hormosina</i> sp.										5			2
<i>Hormosinelloides guttifer</i> (Brady)			12			4	2	3	4	20/4		2/2	2
<i>Hyperammina</i> sp.						4				7/5	2	2/2	
<i>Insculptarenula subvesicularis</i> (Hanzlikova)		58											
<i>Karrerulina conversa</i> (Grzybowski)			8			40	1/1						
<i>Karrerulina coniformis</i> (Grzybowski)						240/24	15		1			2	
<i>Lituotuba lituiformis</i> (Brady)		4									4		
<i>Paratrochamminoides and Trochamminoides</i> div. sp.	31	52/6	248/4	352/44 (62)	84/4	268/26	143/4 (5)	293/19 (22)	930/8	774/112 (142)	31/6	10	128/2
<i>Placentamina placenta</i> (Grzybowski)	1		16	12	2	12	1	5/1	5	8/8	2	54/2	3/1
<i>Popovia beckmanni</i> (Kaminski et Geroch)		2		4	24	16		5					
<i>Prasphaerammina subgaleata</i> Vasicek			48/2	4		116	2	5	8				
<i>Psammisiphonella and Rhabdammina</i> div. sp (fragments)	1	10	12	232/180 (252)	168/32 (52)	238/202 (250)	38/6 (10)	268/ 51 (63)	325/138 (144)	243/83 (100)	143/50 (60)	328/48 (58)	445/68 (74)
<i>Psammisphaera</i> sp.		2		4		58	1						
<i>Pseudonodosinella elongata</i> (Grzybowski)				52/50 (74)		256/32		15/4 (5)	9/1	33/4	3	32/2	6/2 (6)
<i>Pseudonodosinella nodulosa</i> (Brady)	1							1					
<i>Recurvoides</i> div. sp.	101	90	140/2	280/58 (60)	204/4	1548/42	113/4	179/17	364	517/4	26	90/2 (4)	198/23 (30)
<i>Reophax duplex</i> Grzybowski			4	20/12	24	76/16		12/9 (12)	24/5 (6)	388/184 (214)	48/12 (13)	18	57/17 (20)
<i>Reophax pilulifer</i> Brady					4/4	14		5/5 (8)	2	146/20 (25)	8/1 (2)	2	26/4
<i>Reophax</i> sp.						4							
<i>Reophax</i> – single chambers	2		4	20/20 (26)	8	140/74		77/42 (49)	190/40 (46)	521/250 (300)	180/23 (26)	250/2 (6)	156/33 (36)
<i>Reticulophragmium amplexans</i> (Grzybowski)			24	172/32 (56)	6	622/8			4				
<i>Reticulophragmium rotindurorsatum</i> (Hantken)									2	79		2	
<i>Reticulophragmium</i> sp.					1				7	1			
<i>Saccamina grzybowskii</i> (Schubert)										60			
<i>Spiroplectammina spectabilis</i> (Grzybowski)	40	54					272		10	4			
<i>Subreophax scalaris</i> (Grzybowski)			2		20					1			
<i>Subreophax splendidus</i> (Grzybowski)			14							10	2		
<i>Subreophax pseudoscalaris</i> (Grzybowski)			4						4	39			
<i>Trochammina ex. gr. globigeriniformis</i> (Jones et Parker)				8				1	1				2
<i>Trochammina umiatensis</i> Tappan					8/4	52/2 (4)		3/4 (11)		8/8		4/4	35
<i>Trochammina</i> sp.					8/4								
<i>Trochammina</i> sp.		12				24		6				1	
? (spp) – unidentified agglutinated form				12	4			14	2	18	4	2	

Taxa with incorporated tourmaline on the grey field; a/b (c): a – number of specimens, b – number of specimens with tourmalines, c – number of incorporated tourmalines