

Appendix Table 1

Depth in Core (cm)	0-1cm		1-2cm		2-3cm		3-4cm		4-5cm		5-6cm		6-7cm		7-8cm		8-9cm		9-10cm		10-11cm		11-12cm		12-13cm		13-14cm	
% Organic matter	39.88		48.09		47.29		45.69		40.79		33.72		32.36		29.04		30.14		30.73		25.66		26.49		22.95		22.99	
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
Number of Species\10 cc's	5	8	5	8	4	8	3	8	1	7	4	7	5	7	5	7	4	6	2	6	2	6	3	5	2	7	4	7
Number of Individuals\10cc's	2382	4650	1608	4314	160	3384	72	3704	32	2608	104	2592	168	2648	120	2528	76	1836	56	2824	20	1580	36	1824	48	2984	72	3320
<i>Haplophragmoides manilaensis</i>	0	0	0	0	0	1.2	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hemisphaerammina bradyi</i>	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miliammina fusca</i>	2	3	0.7	2.2	10	5.7	0	2.8	0	2.5	0	3.1	4.8	9.4	6.7	28.8	15.8	25.5	0	19	40	37.5	0	33.8	16.7	14.7	11.1	29.6
Organic linings	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudothuriammina limnetis</i>	8.3	13.9	12.7	20	15	11.1	11.1	6.9	0	8.6	7.7	10.8	23.8	9.7	33.3	9.5	5.3	9.2	42.9	18.4	0	12.4	33.3	9.9	0	5.1	11.1	6
<i>Tiphotrecha comprimata</i>	0.8	2.2	0.7	3.5	0	4.5	0	2.8	0	6.1	7.7	4.6	4.8	4.8	6.7	6	5.3	3.4	0	2.2	0	2.3	11.1	1.8	0	0.8	0	2.2
<i>Trochammina inflata</i>	30.5	29.4	13.4	18.9	5	4.5	11.1	1.5	0	3.4	15.4	2.2	4.8	3.9	13.3	2.2	0	2.2	0	2.8	0	1	0	0.2	0	0.5	44.4	1.9
<i>Trochammina mac. F. mac</i>	58.4	50.9	72.4	53.3	70	69	77.8	82.9	100	82.9	69.2	74.4	61.9	64.2	40	49.7	73.7	55.3	57.1	53.3	60	42.5	55.6	54.3	83.3	74.5	33.3	55.7
<i>Trochammina ochracea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. aculeata</i>	0	0.1	0	1.7	0	3.3	0	1.7	0	4.6	0	4	0	3.6	0	3.2	0	4.4	0	4.2	0	4.3	0	0	0	3.8	0	3.9
<i>C. constricta</i>	0	0.09	0	0.3	0	0.7	0	1	0	0.3	0	0.9	0	0	0	0.6	0	0	0	0	0	0	0	0	0	0.5	0	0.7

Depth in Core (cm)	14-15cm		15-16cm		16-17cm		17-18cm		18-19cm		19-20cm		20-21cm		21-22cm		22-23cm		23-24		24-25cm		25-26cm		26-27cm		27-28cm		28-29cm	
% Organic matter	23.13		21.74		22.63		20.8		17.09		16.09		21.05		15.29		19.17		24.99		27.86		30.78		29.01		29.88		29.65	
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
Number of Species\10 cc's	2	7	1	6	0	8	0	6	0	8	0	7	0	7	0	6	0	7	0	6	0	6	0	6	0	4	0	4	0	5
Number of Individuals\10cc's	48	2976	8	2560	0	3000	0	3512	0	3976	0	4000	0	5136	0	3784	0	4768	0	3072	0	3648	0	3328	0	2880	0	2816	0	2960
<i>Haplophragmoides manilaensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hemisphaerammina bradyi</i>	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miliammina fusca</i>	66.7	62.4	100	52.5	0	26.7	0	32.1	0	9.5	0	7.2	0	3.7	0	6.6	0	9.1	0	3.9	0	2.4	0	1.4	0	7.5	0	4.8	0	11.6
Organic linings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudothuriammina limnetis</i>	0	6.2	0	3.8	0	2.9	0	3.6	0	0.4	0	0.2	0	0.8	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tiphotrecha comprimata</i>	0	1.8	0	5.3	0	8.3	0	11.6	0	11.7	0	10.4	0	7.6	0	19.5	0	27	0	16.9	0	23	0	29.3	0	22.5	0	24.4	0	18.1
<i>Trochammina inflata</i>	33.3	2.2	0	1.9	0	2.1	0	0.7	0	4	0	2.4	0	3.9	0	4	0	2.5	0	3.6	0	6.8	0	12.5	0	9.4	0	6.3	0	1.4
<i>Trochammin mac. F. mac</i>	0	23.1	0	33.1	0	54.9	0	48.5	0	70.4	0	75.8	0	79.4	0	65.3	0	57.2	0	70.6	0	63.2	0	53.4	0	60.6	0	64.5	0	65.7
<i>Trochammina ochracea</i>	0	0	0	0	0	1.1	0	0	0	0	0	0	0	2.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. aculeata</i>	0	3.8	0	3.4	0	3.2	0	3.4	0	2.8	0	3.8	0	2.2	0	4	0	3.5	0	4.4	0	3.7	0	3.1	0	0	0	0	0	3.2
<i>C. constricta</i>	0	0.5	0	0	0	0.8	0	0	0	0.6	0	0.2	0	0	0	0.6	0	0.6	0	0.5	0	0.9	0	0.2	0	0	0	0	0	0

Appendix Table 2

Depth in Core (cm)	0-1cm		1-2cm		2-3cm		3-4cm		4-5cm		5-6cm		6-7cm		7-8cm		8-9cm		9-10cm		10-11cm		11-12cm		12-13cm			
% Organic matter	41.3		42.1		37.6		36.3		27.9		36		37.5		27.3		27.2		31.4		23.8		34.2		24.8			
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
<b>Number of Species\10 cc's</b>	0	8	0	6	0	7	0	6	0	6	0	7	0	7	0	6	0	6	0	6	0	7	0	7	0	7	0	8
<b>Number of Individuals\10cc's</b>	0	3760	0	3008	0	2520	0	3160	0	2196	0	2472	0	2440	0	2808	0	2928	0	2640	0	3416	0	3320	0	3096		
<i>Ammobaculites dilatatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Haplophragmoides manilaensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miliammina fusca</i>	0	4.7	0	5.1	0	4.4	0	3.3	0	2.2	0	5.5	0	3.9	0	5.7	0	12.3	0	12.1	0	11.9	0	22.7	0	22.2		
Organic linings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudothuriammima limnetis</i>	0	1.9	0	2.1	0	2.5	0	1.3	0	0	0	0.6	0	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
<i>Tiphotrocha comprimata</i>	0	1.5	0	1.9	0	1	0	2.5	0	0.9	0	1.9	0	1.6	0	3.7	0	3.3	0	0.6	0	0.7	0	1.9	0	2.1		
<i>Trochammina inflata</i>	0	0.6	0	0.3	0	0.6	0	0	0	1.1	0	0.3	0	1.6	0	0.6	0	2.2	0	0.3	0	0.5	0	0.2	0	1.8		
<i>Trochammina macrescens f. macrescens</i>	0	86.2	0	88.9	0	86.7	0	88.9	0	90	0	82.8	0	85.6	0	80.6	0	75.7	0	81.5	0	72.4	0	65.3	0	67.7		
<i>Trochammina ochracea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0.5	0	0.5		
<i>Reophax scotti</i>	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Thecamoebians</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. aculeata</i>	0	3.4	0	1.8	0	3.2	0	3.5	0	3.8	0	5.4	0	4.4	0	6.8	0	4.1	0	4.3	0	6.2	0	6.3	0	4.1		
<i>C. constricta</i>	0	1.5	0	0	0	1.6	0	0.6	0	2	0	3.3	0	2.2	0	2.6	0	2.5	0	1.2	0	1.3	0	3.1	0	1.1		

Depth in Core (cm)	13-14cm		14-15cm		15-16cm		16-17cm		17-18cm		18-19cm		19-20cm		20-21cm		21-22cm		22-23cm		23-24	
% Organic matter	26.6		27.5		26.3		27.8		23.6		26.7		26.1		25.5		25.5		24.7		22.9	
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
<b>Number of Species\10 cc's</b>	0	6	0	7	0	8	0	8	0	7	0	7	0	7	0	8	0	7	0	7	0	8
<b>Number of Individuals\10cc's</b>	0	2952	0	3208	0	2728	0	2400	0	1400	0	2168	0	2344	0	2276	0	3288	0	4040	0	5423
<i>Ammobaculites dilatatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0.2	0	0.2	0	0
<i>Haplophragmoides manilaensis</i>	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miliammina fusca</i>	0	23	0	23.4	0	36.7	0	32.3	0	22.3	0	18.1	0	15.4	0	20.4	0	12.9	0	10.5	0	8.8
Organic linings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudothuriammima limnetis</i>	0	0	0	0.5	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
<i>Tiphotrocha comprimata</i>	0	0.5	0	1.2	0	2.3	0	3.3	0	6.3	0	3.3	0	3.1	0	3.5	0	2.7	0	4.2	0	4
<i>Trochammina inflata</i>	0	2.2	0	3.2	0	3.2	0	3	0	1.1	0	0.7	0	0.7	0	2.1	0	1.2	0	2.2	0	1.3
<i>Trochammina macrescens f. macrescens</i>	0	68	0	63.8	0	55.5	0	57.7	0	61.7	0	73.8	0	74.7	0	67.1	0	75.2	0	75.4	0	74.3
<i>Trochammina ochracea</i>	0	0	0	0	0	0.6	0	1.3	0	1.1	0	1.5	0	0.7	0	1.1	0	0	0	0	0	0.1
<i>Reophax scotti</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Thecamoebians</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. aculeata</i>	0	4.8	0	4.8	0	1.4	0	5.1	0	5.1	0	2.2	0	3.3	0	4.8	0	4.8	0	4.8	0	6.5
<i>C. constricta</i>	0	1.4	0	2.9	0	0.1	0	0.9	0	2.3	0	0.4	0	2.2	0	0.8	0	3	0	2.7	0	4.4

Appendix Table 3

Depth in Core (cm)	0-1cm		1-2cm		2-3cm		3-4cm		4-5cm		5-6cm		6-7cm		7-8cm		8-9cm		9-10cm		10-11cm		11-12cm		12-13cm		13-14cm		14-15cm	
% Organic matter	24.3		37.9		51.9		36.5		36.3		33.3		29.6		25.4		27.3		28.9		26.4		24.5		23.9		20.8		22	
(live\total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
<b>Number of Species\10 cc's</b>	3	7	4	7	0	6	0	6	3	7	1	7	0	6	1	5	0	7	0	6	0	7	0	5	0	5	0	6	0	7
<b>Number of Individuals\10cc's</b>	2216	5136	1656	5160	0	4192	0	3912	14	3032	8	2664	0	2800	8	2672	0	3920	0	3320	0	4768	0	4528	0	4344	0	3728	0	3752
<i>Ammobaculites dilatatus</i>	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miliammina fusca</i>	0.7	1.7	2	3.9	0	4.6	0	2	2	5.8	0	6.3	0	8.9	0	22.4	0	21.8	0	17.1	0	25.3	0	19.2	0	12.2	0	23.6	0	43.3
Organic linings	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	0	0.2	0	0	0	0	0	0	0	0	0	0
<i>Pseudothuriammina limnetis</i>	0	1.4	0	1.6	0	2	0	0.8	0	0.3	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tiphotrecha comprimata</i>	0.3	1.2	4	2.9	0	3.6	0	3.3	4	3.4	0	1.8	0	5.1	0	5.1	0	3.3	0	3.9	0	3.9	0	2.3	0	1.5	0	2.6	0	3
<i>Trochammina inflata</i>	0	0.5	0.5	1.2	0	0.4	0	0	0	0.5	0	0.6	0	0.6	0	0.3	0	0.8	0	1.2	0	0.2	0	0	0	0	0	1.1	0	2.1
<i>Trochammina macrescens f. macrescens</i>	99	92.8	93.5	87	0	87.8	0	89.2	94	88.1	100	90.4	0	82.9	100	71.6	0	70.8	0	77.3	0	69	0	76.8	0	88.43	0	69.7	0	48.8
<i>Trochammina ochracea</i>	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0.6	0	0	0	0.8	0	0.2	0	0.2	0	0	0	0	0	0	0	0.2
<b>Thecamoebians</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. aculeata</i>	0	1.9	0	3.3	0	1.5	0	2.9	0	1.6	0	0.3	0	2	0	0.6	0	1.2	0	0	0	0.8	0	1	0	1.1	0	1.7	0	1.5
<i>C. constricta</i>	0	0.5	0	0	0	0	0	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7	0	0.8	0	0.9	0	1.3	0	1.1

Depth in Core (cm)	15-16cm		16-17cm		17-18cm		18-19cm		19-20cm		20-21cm		21-22cm		22-23cm		23-24		24-25cm		25-26cm		26-27cm		27-28cm	
% Organic matter	21.8		17.1		20.4		16.8		16.7		17.2		14.8		16.7		16.4		15.3		19.7		21.5		20.8	
(live\total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
<b>Number of Species\10 cc's</b>	0	6	0	7	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	7	0	6	0	6	0	6
<b>Number of Individuals\10cc's</b>	0	3230	0	3168	0	4352	0	5864	0	5344	0	4840	0	4040	0	4840	0	5248	0	5680	0	5048	0	4416	0	4400
<i>Ammobaculites dilatatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miliammina fusca</i>	0	31.4	0	24	0	14.2	0	8	0	8.4	0	8.6	0	8.7	0	6	0	10	0	13.2	0	12	0	10.7	0	12.9
Organic linings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudothuriammina limnetis</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tiphotrecha comprimata</i>	0	6	0	8.6	0	6.6	0	5.2	0	4.5	0	3.8	0	3.4	0	1.8	0	3.8	0	5.5	0	6.3	0	7.4	0	6.7
<i>Trochammina inflata</i>	0	1.5	0	0.3	0	1.7	0	1.8	0	1	0	0.7	0	0.6	0	0.3	0	0.8	0	1.3	0	1.6	0	2	0	1.8
<i>Trochammina macrescens f. macrescens</i>	0	58	0	60.9	0	72.4	0	80.2	0	81.4	0	82.5	0	83.6	0	90.1	0	82.3	0	75.4	0	75	0	73.9	0	75.3
<i>Trochammina ochracea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0
<b>Thecamoebians</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. aculeata</i>	0	1.7	0	3	0	3.3	0	3.3	0	3.3	0	3.3	0	2.8	0	1.3	0	2.1	0	3	0	3	0	3.1	0	2.2
<i>C. constricta</i>	0	1.5	0	2.3	0	1.8	0	1.5	0	1.3	0	1.2	0	1	0	0.5	0	1.1	0	1.5	0	2.1	0	2.9	0	1.1

Appendix Table 4

Depth in Core (cm)	0-1cm		1-2cm		2-3cm		3-4cm		4-5cm		5-6cm		6-7cm		7-8cm		8-9cm		9-10cm		10-11cm		11-12cm		12-13cm		13-14cm			
% Organic matter	44.6		45.4		65		62.8		50.7		47.7		44.1		43.8		46.2		44.6		44.3		45.1		38.2		37.4			
(live\total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
<b>Number of Species\10 cc's</b>	3	5	2	5	1	5	0	5	0	7	0	8	0	6	0	5	0	6	0	6	0	6	0	7	0	6	0	6	5	
<b>Number of Individuals\10cc's</b>	2240	7896	#	5480	168	4536	0	4292	0	4992	0	7384	0	7344	0	7408	0	5688	0	9664	0	9200	0	8568	0	8728	0	4856		
<i>Miliammina fusca</i>	0	0	0	0.3	0	1.6	0	0.1	0	1.8	0	1.6	0	2.2	0	1.2	0	5.5	0	3.2	0	3.6	0	3.7	0	1.8	0	5.8		
Organic linings	0	0	0	0	0	0	0	0	0	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Pseudothuriamma limnetis</i>	0.7	0.4	0	0	0	0	0	0	0	0.1	0	0.5	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Tiphotrocha comprimata</i>	3.6	3.9	#	3.9	0	3.3	0	1.5	0	4	0	6.8	0	5.2	0	4.5	0	4.1	0	3.5	0	2.7	0	11.1	0	8.7	0	11.4		
<i>Trochammina inflata</i>	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0.7	0	1.2	0	1.2	0	0.6	0	1.1	0	0			
<i>Trochammina macrescens f. macrescens</i>	95.7	92.8	#	94.3	100	92.8	0	93.4	0	85.7	0	85.9	0	86.9	0	90.4	0	85.4	0	86.4	0	87.2	0	75	0	82	0	62.6		
<i>Trochammina ochracea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0			
<b>Thecamoebians</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>C. aculeata</i>	0	2.1	0	0.4	0	1.4	0	3.7	0	5.4	0	3.4	0	4.1	0	3.2	0	3.1	0	3.8	0	4.1	0	6.9	0	4.3	0	14.3		
<i>C. constricta</i>	0	0.8	0	0.3	0	0.9	0	1.3	0	2.7	0	1.5	0	1.3	0	0.6	0	1.3	0	1.7	0	1.2	0	2.6	0	2.1	0	5.9		

Depth in Core (cm)	14-15cm		15-16cm		16-17cm		17-18cm		18-19cm		19-20cm		20-21cm		21-22cm		22-23cm		23-24		24-25cm		25-26cm			
% Organic matter	31.4		31.7		35.6		21.7		23.7		28.9		24.2		26		28.5		27.1		31.8		28.6			
(live\total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
<b>Number of Species\10 cc's</b>	0	5	0	6	0	6	0	6	0	5	0	6	0	6	0	6	0	6	0	6	0	6	0	5		
<b>Number of Individuals\10cc's</b>	0	9056	0	12024	0	9426	0	6304	0	4968	0	2600	0	3428	0	3024	0	4728	0	7776	0	7360	0	7440		
<i>Miliammina fusca</i>	0	4.5	0	3.2	0	3	0	2.4	0	8.2	0	4.3	0	0.9	0	16.7	0	10.5	0	1.4	0	4.1	0	2.2		
Organic linings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Pseudothuriamma limnetis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Tiphotrocha comprimata</i>	0	9.7	0	8.3	0	10.7	0	8.6	0	0	0	14.5	0	16.7	0	27.2	0	18.1	0	5.8	0	3.8	0	26.6		
<i>Trochammina inflata</i>	0	0	0	0.4	0	1.2	0	0.5	0	1.2	0	2.2	0	1.9	0	2.1	0	2.3	0	0.2	0	0.9	0	0		
<i>Trochammina macrescens f. macrescens</i>	0	80.6	0	63.6	0	74.8	0	51.1	0	81.3	0	61.8	0	71.6	0	47.1	0	61.3	0	77.4	0	79.3	0	54.6		
<i>Trochammina ochracea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>Thecamoebians</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>C. aculeata</i>	0	3.1	0	18	0	9.1	0	21.8	0	6.2	0	12.3	0	7.2	0	4.8	0	4.6	0	10.5	0	8.7	0	10.1		
<i>C. constricta</i>	0	2.1	0	6.6	0	1.2	0	15.5	0	3.1	0	4.9	0	1.7	0	2.1	0	3.2	0	4.7	0	3.2	0	6.6		

Appendix Table 5

Depth in Core (cm)	0-1cm		1-2cm		2-3cm		3-4cm		4-5cm		5-6cm		6-7cm		7-8cm		8-9cm		9-10cm		10-11cm		11-12cm	
% Organic matter	56.8		68.7		63.4		53.9		51.5		40		39.6		37.6		39.1		46.3		42.2		45.8	
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
Number of Species\10 cc's	4	6	1	6	0	5	1	5	0	5	0	5	0	5	0	5	0	6	0	5	0	5	0	6
Number of Individuals\10cc's	440	6952	40	5904	0	6024	24	4424	0	4688	0	5240	0	5376	0	5744	0	2888	0	1992	0	2488	0	2472
<i>Ammobaculites dilatatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miliammina fusca</i>	1.8	0.2	0	1.6	0	1.3	0	0.2	0	0.6	0	1.8	0	2.5	0	3.7	0	6.1	0	7.7	0	15.4	0	20.7
<i>Pseudothuriamma limnetis</i>	0	0.1	0	0.4	0	0	0	0	0	0	0	0	0	0	0.3	0	0.8	0	2.4	0	0	0	0	0.6
<i>Tiphotrecha comprimata</i>	18.2	2.6	0	1.9	0	2	0	4.2	0	3.1	0	3.8	0	4	0	4.5	0	8	0	5.6	0	5.5	0	8.4
<i>Trochammina inflata</i>	1.8	0.5	0	0.1	0	0.1	0	0	0	0.3	0	0.56	0	0.3	0	0	0	1.1	0	0	0	1	0	1
<i>Trochammina macrescens f. macrescens</i>	78.2	89.6	100	91.6	0	92.2	100	92.9	0	91.1	0	89.8	0	90.3	0	89.4	0	82.3	0	80.3	0	72	0	60.8
<i>Trochammina ochracea</i>	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. aculeata</i>	0	6.9	0	4.3	0	4.4	0	2.5	0	4.9	0	4	0	2.8	0	2.1	0	1.7	0	4	0	6.1	0	8.4

Depth in Core (cm)	12-13cm		13-14cm		14-15cm		15-16cm		16-17cm		17-18cm		18-19cm		19-20cm		20-21cm		21-22cm	
% Organic matter	46		46.2		44.5		35.4		30		25.7		20.7		19.2		21.2		23.4	
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
Number of Species\10 cc's	0	5	0	5	0	5	0	5	0	6	0	6	0	6	0	6	0	6	0	6
Number of Individuals\10cc's	0	3608	0	4856	0	5280	0	6184	0	5600	0	5560	0	4336	0	4376	0	4048	0	4288
<i>Ammobaculites dilatatus</i>	0	0	0	0	0	0	0	0	0	0.1	0	0.7	0	0.4	0	0.4	0	0.4	0	0.2
<i>Miliammina fusca</i>	0	23.9	0	30.5	0	16.5	0	11.2	0	17.7	0	18.7	0	12.5	0	9.7	0	6.1	0	2.2
<i>Pseudothuriamma limnetis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tiphotrecha comprimata</i>	0	9.8	0	12.5	0	8.8	0	10.7	0	12.7	0	14.3	0	9.6	0	7.3	0	9.1	0	5.2
<i>Trochammina inflata</i>	0	0.9	0	1.1	0	0.5	0	0.3	0	0.3	0	0.3	0	0.2	0	0.5	0	0.8	0	0.4
<i>Trochammina macrescens f. macrescens</i>	0	60.8	0	49.8	0	69.9	0	73.2	0	66.1	0	61.5	0	72.2	0	73.9	0	75.9	0	83.2
<i>Trochammina ochracea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. aculeata</i>	0	4.7	0	6.1	0	4.4	0	4.7	0	3	0	4.4	0	5.2	0	8.2	0	7.7	0	8.8

Appendix Table 6

Depth in Core (cm)	0-1cm		1-2cm		2-3cm		3-4cm		4-5cm		5-6cm		6-7cm		7-8cm		8-9cm		9-10cm		10-11cm		11-12cm		12-13cm		13-14cm		14-15cm		
% Organic matter	11.25		10.43		10.58		13.21		14.8		11.17		9.66		12.62		9.08		12.46		12.1		12.85		13.15		12.12		12.22		
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	
Number of Species\10 cc's	4	8	7	10	4	7	4	10	4	11	4	7	5	8	7	8	3	8	5	7	2	5	3	5	4	7	3	5	2	6	
Number of Individuals\10cc's	1980	3784	716	1608	2736	5744	1256	6680	328	4112	504	4936	784	9088	1056	4312	168	4872	1704	6656	296	4336	592	3640	112	3872	136	2448	32	2400	
Ammobaculites dilatatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ammotium salsum	0	0	3.4	1.7	0	0	0	0.1	0	0.8	0	0	0	0.1	0.3	2.3	0.7	9.5	0.7	0.5	0.1	0	0	0	0	0	0	0	0	0	0
Eggerella advena	0	0	0.6	1.2	0.3	0.4	0	0.1	2.4	0.6	0	0	1	0.1	0.8	0.7	0	0.5	0	0.1	0	0.2	0	0.4	0	1.7	5.9	1.6	0	1.3	
Elphidium williamsoni	4	1.6	1.1	2	1.3	1.8	4.1	2	0	0.5	1	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hemisphaeremmina bradyii	0	1.1	1.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Miliammina fusca	93.4	92.1	83.3	73.4	92.8	87.1	74.2	84.6	43.9	77.7	94.2	92	84.7	92.8	92.4	90.5	81	86	81.7	88.8	56.8	83.8	77	87.7	71.4	77.7	47.1	74.8	50	72	
Organic linings	0	1	0	4.2	0	4.3	0	3	0	1.9	0	0	0	1.8	0	1.5	0	1	0	0.7	0	0.7	0	1.8	0	3.1	0	2.9	0	3	
Pseudothuriammina limnetis	0.2	0.2	0	0.5	0	0	0	0.1	0	0.4	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tiphotrecha comprimata	0	1.1	1.1	6.2	0	0.7	0	1.9	0	0.6	0	1	0	0	0	0	0	0.7	0	0	0	0	0	0	0	0.6	0	0	0	0.3	
Trochammina inflata	0	0	0	0	0	0	0.6	0.1	2.4	0.2	0	0	0	0	1.6	0.4	0	0	0.5	0.1	0	0	0	0	7.1	0.2	0	0	0	0	
Trochammina macr. f macr.	2.4	3	9.4	9.5	5.6	5.6	21	7.9	48.8	10.1	3.2	4.9	10.2	3.7	1.6	3	9.5	7.9	16.9	8.5	43.2	13.3	20.3	7.7	14.3	11	47.1	13.4	50	14	
Trochammina ochracea	0	0	0	0	0	0	0	0	0	7	0	1.5	0	0.8	0.8	3	0	3.1	0.5	1.6	0	2	2.7	2.4	7.1	5.8	0	7.2	0	9.3	
Reophax scotti	0	0.1	0	0.2	0	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	

Depth in Core (cm)	15-16cm		16-17cm		17-18cm		18-19cm		19-20cm		20-21cm		21-22cm		22-23cm		23-24		24-25cm		25-26cm		26-27cm		27-28cm		28-29cm		29-30cm	
% Organic matter	9.27		9.29		12.8		13.93		12.06		13.23		13.16		13.39		13.48		15.62		12.67		11.3		8.11		6.4		6.02	
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
Number of Species\10 cc's	1	6	2	7	1	7	0	7	1	7	0	5	0	3	0	6	0	4	0	7	0	5	0	5	0	7	0	8	0	7
Number of Individuals\10cc's	8	3080	24	2432	8	2456	0	2624	8	4624	0	4120	0	2520	0	1768	0	419	0	293	0	265	0	309	0	1072	0	813	0	808
Ammobaculites dilatatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6	0	0
Ammotium salsum	0	0	0	0	0	1.6	0	0.6	0	0.3	0	0	0	0	0	0	0	0	0	0.7	0	0.8	0	1.6	0	1.6	0	0.6	0	2.4
Eggerella advena	0	2.6	0	3	0	1.6	0	0	0	0.2	0	0.2	0	0	0	0	0	0	2	0	0	0	0	0	1.6	0	3	0	8.9	
Elphidium williamsoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemisphaeremmina bradyii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miliammina fusca	0	67	33.3	60.2	0	67.4	0	71	100	85.5	0	92.4	0	94	0	85.7	0	72.3	0	55.3	0	60.8	0	46.6	0	27.4	0	40.3	0	21.8
Organic linings	0	4.9	0	4.3	0	2.3	0	0.6	0	0.3	0	0.2	0	0	0	1.6	0	4.1	0	7.5	0	11.7	0	33.7	0	23.8	0	10.5	0	11.5
Pseudothuriammina limnetis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tiphotrecha comprimata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trochammina inflata	0	0	0	0.7	0	0.7	0	0.6	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0	0	0	0
Trochammina macr. f macr.	100	14.8	66.7	21.4	100	23.8	0	23.8	0	12.6	0	6.4	0	5.4	0	6.6	0	10.5	0	7.2	0	6.4	0	13.3	0	8.9	0	3.3	0	16.8
Trochammina ochracea	0	10.1	0	9.9	0	2.6	0	3	0	0.9	0	0.8	0	0.6	0	5.4	0	13.1	0	27	0	20.4	0	4.9	0	36	0	39.4	0	37.6
Reophax scotti	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	1	

Appendix Table 7

Depth in Core (cm)	0-1cm		1-2cm		2-3cm		3-4cm		4-5cm		5-6cm		6-7cm		7-8cm		8-9cm		9-10cm		10-11cm		11-12cm		12-13cm		13-14cm			
% Organic matter	14.8		11.4		12.7		10.8		12.3		10		12		10.2		10.6		12.5		10.7		6.3		13		20.4			
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
<b>Number of Species\10 cc's</b>	7	11	3	9	2	7	3	9	5	10	4	9	2	9	2	8	1	8	1	7	0	6	1	9	1	7	0	7	0	7
<b>Number of Individuals\10cc's</b>	888	1620	264	2184	1080	4096	232	3808	544	4232	392	2408	48	2384	152	2440	56	1964	88	2408	0	2712	8	3208	4	1956	0	1332	0	1332
<i>Ammobaculites dilatatus</i>	1.8	1	0	0.4	0	0	0	1.1	0	0.6	2	2.7	0	2.3	0	2	0	2.2	0	1.7	0	0	0	1.7	0	2.5	0	0.6		
<i>Ammonia beccarii</i>	0.9	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Ammotium salsum</i>	0	0	0	0	0	0.4	0	0.4	8.8	2.8	0	3	0	3.4	0	2.6	0	1.2	0	3.3	0	0.6	0	1.5	0	2	0	0		
<i>Eggerella advena</i>	0	0	0	0.4	0	0.2	0	0.2	0	0.2	0	0.7	0	0	0	1.3	0	0.4	0	0	0	0.3	0	0.2	0	1.4	0	1.2		
<i>Elphidium excavatum</i> forma excavatum	1.8	1	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Elphidium excavatum</i> forma clavatum	0.9	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7	0	0	0	0	0	0	0	0		
<i>Elphidium williamsoni</i>	51.4	31.1	39.4	5	2.2	0.6	6.9	0.4	1.5	0.2	0	16.7	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Haplophragmoides manilaensis</i>	0	0	0	0	0	0	3.4	0.4	2.9	1.3	4.1	1	0	1	0	0.3	0	0.8	0	0	0	0	0	0.2	0	0	0	0		
<i>Haynesina orbiculare</i>	0.9	0.5	3	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Miliammina fusca</i>	42.3	54.8	57.6	84.2	97.8	91.2	89.7	80.5	86.8	85.8	87.8	84.7	83.3	72.5	89.5	76.4	100	76.2	100	83.7	0	82.3	100	85.5	100	80.4	0	61.3		
Organic linings	0	3.5	0	2.2	0	2.7	0	3.6	0	0.4	0	0	0	4.4	0	4.6	0	6.1	0	0	0	4.4	0	2.7	0	3.1	0	6		
<i>Pseudothuriammina limnetis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Textularia earlandi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Tiphotrecha comprimata</i>	0	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Trochammina inflata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0	0	0	0	0		
<i>Trochammina</i> macr. f macr.	0	3.5	0	3.3	0	2.9	0	8.2	8.8	7	6.1	2.7	0	2.3	10.5	4.9	0	4.1	0	16.8	0	1.8	0	0.5	0	0.4	0	2.1		
<i>Trochammina ochracea</i>	0	3.5	0	3.7	0	2	0	5.2	0	0.9	0	4.7	0	13.1	0	7.9	0	9	0	7	0	10.6	0	7.2	0	12.3	0	28.2		
<i>Reophax nana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Reophax scotti</i>	0	0.2	0	0	0	0	0	0	0	0.2	0	0.3	0	0.7	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0		

Depth in Core (cm)	14-15cm		15-16cm		16-17cm		17-18cm		18-19cm		19-20cm		20-21cm		21-22cm		22-23cm		23-24		24-25cm		25-26cm		26-27cm			
% Organic matter	10.9		10.3		12.8		10.6		9.5		8.3		8.8		13.2		19.3		8.1		10.9		15.1		7.1			
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
<b>Number of Species\10 cc's</b>	0	6	2	7	0	7	0	7	0	8	0	6	0	7	0	9	0	7	0	7	0	8	0	7	0	7	0	7
<b>Number of Individuals\10cc's</b>	0	955	11	1053	0	1368	0	1460	0	1898	0	2504	0	2888	0	3808	0	1532	0	1216	0	1680	0	2496	0	917	0	917
<i>Ammobaculites dilatatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ammonia beccarii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ammotium salsum</i>	0	0	0	2	0	2.3	0	1.6	0	0.8	0	0.3	0	0	0	0.4	0	2.1	0	4.6	0	1	0	3.2	0	3.5		
<i>Eggerella advena</i>	0	0.8	0	2	0	3.2	0	2.2	0	0.8	0	1.6	0	2.5	0	2.7	0	1	0	1.6	0	3.3	0	1.3	0	5.2		
<i>Elphidium excavatum</i> forma excavatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elphidium excavatum</i> forma clavatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elphidium williamsoni</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Haplophragmoides manilaensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Haynesina orbiculare</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miliammina fusca</i>	0	41.9	72.7	57.7	0	38	0	37.5	0	62	0	73.2	0	73.7	0	67.2	0	64.2	0	64.5	0	63.8	0	80	0	53.2	0	53.2
Organic linings	0	9.2	0	10.6	0	12	0	11	0	5.5	0	7.7	0	7.2	0	10.3	0	7.3	0	3.9	0	3.8	0	1.6	0	9.6		
<i>Pseudothuriammina limnetis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Textularia earlandi</i>	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0.1	0	0.6	0	0.8	0	0	0	1	0	0	0	0	0	0
<i>Tiphotrecha comprimata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trochammina inflata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trochammina</i> macr. f macr.	0	0.8	0	1.2	0	2.3	0	1.6	0	1.7	0	0.6	0	1.9	0	2.3	0	3.1	0	4.6	0	5.7	0	2.9	0	6.2		
<i>Trochammina ochracea</i>	0	46.9	0	25.8	0	41.5	0	44.9	0	28.3	0	16.6	0	14.1	0	15.8	0	21.4	0	20.4	0	21	0	10.9	0	21.8		
<i>Reophax nana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0.5	0	0	0	0		
<i>Reophax scotti</i>	0	0.3	27.3	0.6	0	0.6	0	1.1	0	0.4	0	0	0	0.3	0	0.4	0	0	0	0.3	0	0	0	0.3	0	0.5		







Appendix Table 10

Depth in Core (cm)	0-1cm		1-2cm		2-3cm		3-4cm		4-5cm		5-6cm		6-7cm		7-8cm		8-9cm		9-10cm		10-11cm		11-12cm		12-13cm		13-14cm		14-15cm		15-16cm	
% Organic matter	12.18		12.6		10.05		9.78		9.94		10.33		12.1		13.43		11.85		10.5		8.75		7.53		9.86		10.57		9.03		8.29	
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
Number of Species/10 cc's	4	8	2	7	2	5	1	5	3	6	1	5	1	4	1	5	0	5	0	5	1	5	0	7	0	7	0	6	0	5	0	5
Number of Individuals/10cc's	856	4448	56	4048	80	3142	56	2624	136	3496	64	2888	16	2720	56	2912	0	3512	0	2592	16	3128	0	1232	0	2024	0	1504	0	601	0	848
Ammobaculites dilatatus	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ammonia beccarii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ammotium salsum	0	0.5	0	0.2	0	1	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Eggerella advena	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Elphidium excavatum forma excavatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Elphidium excavatum forma clavatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Elphidium williamsoni	72	13.8	42.9	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Haplophragmoides manilaensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Haynesina orbiculare	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Helenina anderseni	0.9	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Miliammina fusca	17.8	79	57.1	93.9	80	92.4	100	91.8	76.5	96.1	100	94.5	100	95.6	100	96.7	0	93.2	0	95.1	100	94.6	0	79.9	0	87.4	0	79.3	0	77.2	0	77.4
Organic linings	0	1.3	0	1.4	0	1	0	1.8	0	0.4	0	0.8	0	2.1	0	1.1	0	1.4	0	0.6	0	0.5	0	1.9	0	2.8	0	2.7	0	0	0	5.7
Pseudothuriamina limnetis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Textularia earlandi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tiphotrecha comprimata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Trochammina inflata	0	0	0	0.2	0	0	0	0	5.9	0.2	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	
Trochammina macr. f poly.	9.3	4.1	0	3.6	20	4.3	0	4.6	17.6	2.5	0	3.9	0	2.1	0	1.1	0	4.8	0	1.9	0	2.3	0	3.2	0	1.6	0	3.7	0	6.7	0	0.9
Trochammina ochracea	0	0.9	0	0.2	0	1.3	0	1.5	0	0.4	0	0.6	0	0.3	0	0.8	0	0.5	0	2.2	0	1	0	4.5	0	3.6	0	3.7	0	10.6	0	13.2
Reophax nana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reophax scotti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	2.3	0	0
<b>Thecamoebians</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Centropixes aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0.3	0	1.5	0	8.3	0	4.1	0	9.8	0	3.2	0	2.8
G. gordialis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	0	0	0	0	0	0	0	
P. pontagulassia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0.8	0	0	0	0	

Depth in Core (cm)	16-17cm		17-18cm		18-19cm		19-20cm		20-21cm		21-22cm		22-23cm		23-24		24-25cm		25-26cm		26-27cm		27-28cm		28-29cm		29-30cm				
% Organic matter	6.04		5.6		5.84		6.45		5.37		5.12		5.18		5.16		4.82		4.58		4.07		4.33		4.27		4.11				
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	
Number of Species/10 cc's	0	8	0	7	0	6	0	6	0	7	0	6	0	8	0	6	0	6	0	5	0	6	0	7	0	7	0	5			
Number of Individuals/10cc's	0	936	0	1204	0	2560	0	2432	0	2472	0	1784	0	1808	0	1848	0	2256	0	2560	0	2288	0	2028	0	2512	0	2496			
Ammobaculites dilatatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ammonia beccarii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ammotium salsum	0	0	0	0.3	0	0	0	0	0	0.3	0	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0			
Eggerella advena	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Elphidium excavatum forma excavatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Elphidium excavatum forma clavatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Elphidium williamsoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Haplophragmoides manilaensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haynesina orbiculare	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Helenina anderseni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miliammina fusca	0	72.6	0	78.4	0	94.7	0	95.4	0	92.6	0	92.8	0	95.1	0	89.2	0	91.1	0	97.8	0	93.4	0	91.1	0	94.9	0	97.4			
Organic linings	0	6	0	7.3	0	1.3	0	1.3	0	1.6	0	0.5	0	0.4	0	2.6	0	3.5	0	0.3	0	1	0	0.8	0	0.3	0	0	0	0	
Pseudothuriamina limnetis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Textularia earlandi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tiphotrecha comprimata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trochammina inflata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trochammina macr. f poly.	0	5.1	0	1.3	0	0.6	0	0.3	0	1	0	3.1	0	0.9	0	1.7	0	0.4	0	0.6	0	2.1	0	2.4	0	0.3	0	0.3			
Trochammina ochracea	0	4.3	0	7.3	0	2.2	0	2	0	3.2	0	2.4	0	1.3	0	3	0	3.2	0	0.9	0	2.8	0	4.3	0	1.9	0	1.3			
Reophax nana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reophax scotti	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	
<b>Thecamoebians</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Centropixes aculeata	0	10.6	0	4.7	0	1	0	0.8	0	1.1	0	1.1	0	1.1	0	3.2	0	1.1	0	0.3	0	0.6	0	1.2	0	2.1	0	0.8			
G. gordialis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. pontagulassia	0	0.5	0	0.6	0	0.3	0</																								



Appendix Table 12

PERCENT ORGANIC CARBON (live/total)	19.75		17.96		14.09		15.66		19.86		17.04		22.25		19.40		22.01		23.50		21.94		19.99		22.47		24.30		21.03	
	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T
NO. OF SPECIES	9	14	8	12	5	11	3	9	4	13	4	13	2	9	4	10	3	12	1	8	3	12	3	8	0	8	0	9	0	10
NO. OF INDIVIDUALS	152	394	88	815	32	701	17	329	27	300	35	197	5	278	13	356	3	562	4	470	7	313	4	310	0	319	0	282	0	268
<i>Ammobaculites dilatatus</i>		1.0		0.9	9.4	1.3		0.3		0.7		3.6				0.2														
<i>A. exiguus</i>	0.7	0.5		0.5		1.1				0.3				0.4	7.7	0.3		0.9			14.3	0.6							0.4	
<i>Ammonia beccarii</i>		0.3																												
<i>Ammotium multiloculatum</i>	3.9	4.6	2.3	1.1		0.6				0.3		1.5			0.3		0.4				0.6									
<i>A. salsum</i>	7.9	8.6	4.5	5.2	3.1	2.4	11.8	4.9	11.1	9.3		4.6		2.2	2.2		2.5		0.6		12.5		1.0		1.6		2.1		1.1	
<i>A. subdirectum</i>																					0.6									0.4
<i>Arenoparella mexicana</i>		0.3										0.5														0.6				
<i>Eggerella advena</i>				0.2						0.3		1.0					0.2													0.4
<i>Gaudryina exilis</i>	1.3	1.3	1.1	0.4		0.4		0.3		3.0		1.5	20.0	0.7		0.8	33.3	2.0		0.4		3.5		1.0		0.9		0.4	1.1	
<i>Miliammina fusca</i>	78.9	50.3	67.0	13.5	62.5	5.0	82.4	5.5	77.8	16.3	77.1	23.4	80.0	2.5	76.9	4.2		0.4	100	0.9	71.4	6.4	50.0	0.6			0.4		0.4	
Organic linings		11.9								0.7		1.0									0.6									
<i>Polysaccammina hyperhalina</i>	0.7	2.5	3.4	3.4	6.3	3.0		1.5	7.4	8.7	5.7	3.6		2.5		2.2	33.3	7.3		5.5		9.9		1.9		1.6		2.1	1.1	
<i>Siphotrochammina lobata</i>	1.3	4.1	1.1	5.6		4.6		5.5		8.7		6.1		5.4		7.3		8.5		7.9		10.9		5.2		6.0		4.3	5.2	
<i>Sulcophax palustris</i>																														
<i>Trochammina inflata</i>	2.0	7.6	14.8	36.1	18.8	46.2	5.9	45.6	3.7	22.3	11.4	20.8		59.0	7.7	47.2		37.2		35.5		20.4		42.6		41.7		33.7	32.5	
<i>T. macrescens</i>	3.3	6.9	5.7	26.3		29.7		31.9		23.3	5.7	28.4		23.4	7.7	28.9	33.3	25.4		33.8	14.3	24.9	25.0	37.7		38.9		46.1	40.7	
<i>T. ochracea</i>		0.3		6.9		5.7		4.6		6.0		4.1		4.0		6.5		15.1		15.3		8.9	25.0	10.0		8.8		10.6	16.8	
DEPTH IN CORE (cm)	15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		24-25		25-26		26-27		27-28		28-29		29-30	
PERCENT ORGANIC CARBON (live/total)	27.68		23.96		19.84		23.84		18.24		22.35		26.01		24.22		21.08		22.35		23.35		20.91		16.53		16.84		16.96	
NO. OF SPECIES	1	11	0	7	0	10	0	7	0	10	0	10	0	9	0	10	0	8	0	11	0	12	0	11	0	11	0	11	0	10
NO. OF INDIVIDUALS	1	204	0	230	0	235	0	175	0	265	0	195	0	190	0	173	0	254	0	183	0	230	0	362	0	179	0	271	0	250
<i>Ammobaculites dilatatus</i>		0.5															0.4			0.5		0.9		2.5		16.2		3.0	2.4	
<i>A. exiguus</i>		1.0				0.4				0.4				0.5		0.6				0.5					1.1		0.7		1.2	
<i>Ammonia beccarii</i>																														
<i>Ammotium multiloculatum</i>																														
<i>A. salsum</i>		5.9		1.7		4.3		1.1		1.9		4.6		3.2		1.2		1.6		13.7		8.3		5.8		7.8		9.2	4.8	
<i>A. subdirectum</i>	100	1.0										0.5										0.4								
<i>Arenoparella mexicana</i>								0.6							1.2					1.1				0.8				1.5		
<i>Eggerella advena</i>						0.4				0.8		1.5										0.4		0.6		1.1				
<i>Gaudryina exilis</i>		1.0		1.3		1.7		1.1		0.8		2.6		1.6		0.6		0.4		6.0		2.6		10.5		18.4		10.7	1.2	
<i>Miliammina fusca</i>		6.9				0.9				0.8		2.1		1.1		0.6				1.1		1.3		3.9		12.3		2.6	2.0	
Organic linings																														
<i>Polysaccammina hyperhalina</i>		2.9		0.9		2.1				1.9		2.6		2.6		1.2		1.2		3.8		2.2		5.8		15.6		7.4	2.8	
<i>Siphotrochammina lobata</i>		12.3		3.5		8.9		6.9		1.9		12.3		8.4		6.9		2.0		10.9		13.9		14.1		4.5		11.1	13.6	
<i>Sulcophax palustris</i>																						0.4								
<i>Trochammina inflata</i>		22.5		56.1		31.5		39.4		54.0		29.2		40.5		47.4		60.6		21.9		28.3		20.4		8.9		19.2	22.0	
<i>T. macrescens</i>		30.4		28.3		32.8		43.4		31.3		36.4		34.7		30.1		23.2		29.5		31.7		20.4		7.8		21.8	34.8	
<i>T. ochracea</i>		15.7		8.3		17.0		7.4		6.4		8.2		7.4		10.4		10.6		10.9		9.6		15.2		6.1		12.9	15.2	





Appendix Table 15

DEPTH IN CORE (cm)	0-1		1-2		2-3		3-4		4-5		5-6		6-7		7-8		8-9		9-10		10-11		11-12		12-13		13-14		14-15		
% ORGANIC CARBON	2.92		1.86		2.32		3.13		2.19		2.84		2.81		2.79		2.82		2.67		2.58		2.46		2.42		2.52		2.33		
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	
NO. OF SPECIES	6	8	6	7	5	7	5	8	8	9	4	6	5	9	7	9	5	8	4	7	5	7	4	8	4	7	4	8	5	12	
NO. OF INDIVIDUALS	20	307	54	448	28	284	50	568	61	657	52	500	80	1040	152	1068	92	1048	48	968	108	988	76	992	32	556	148	1024	55	1232	
<i>Ammobaculites dilatatus</i>								0.7																							
<i>Ammotium salsum</i>	5.0	0.3								0.8					0.4		0.4												1.6	0.2	
<i>Arenoparella mexicana</i>	10.0	6.8	1.9	3.6	10.7	2.1	4.0	2.8	8.2	5.3	3.8	0.8	20.0	4.6	13.2	4.9	4.3	3.1		3.7	18.5	5.7	31.6	8.1	37.5	5.0	13.5	6.3	10.9	6.6	
<i>Gaudryina exilis</i>									1.6	0.2							0.4							0.4							0.1
<i>Haplophragmoides manilaensis</i>																															
<i>H. wilberti</i>		2.6	1.9	2.2		1.4		1.4	1.6	0.8			5.0	0.4	2.6	1.1		0.8				0.8			6.3	1.4		1.2		0.6	
<i>Miliammina fusca</i>	5.0	3.3	3.7	4.7	3.6	2.8	2.0	3.7	14.8	5.6	7.7	8.8	25.0	7.7	28.9	7.9	8.7	5.7	16.7	6.6	40.7	7.3	10.5	4.8	25.0	9.4	29.7	10.2	25.5	8.8	
<i>Polysaccammina hyperhalina</i>																															
<i>P. ipohalina</i>															0.4																0.1
<i>Pseudothurammina limnetis</i>																				0.4											0.2
<i>Reophax nana</i>																								0.4							
<i>Siphotrochammina lobata</i>		3.6		2.7		4.6		2.1	3.3	3.0		3.6	5.0	5.0	5.3	2.6		3.1		0.8		0.8			4.4		2.9		3.5	0.6	
<i>Tiphotrocha comprimata</i>	10.0	6.2	9.3	4.7	3.6	3.9	10.0	4.6	9.8	3.2		3.6		4.2	5.3	4.5	8.7	4.6	8.3	3.3	7.4	3.6		2.8		4.3		2.0	9.1	3.7	
<i>Trochammina inflata</i>	65.0	58.6	61.1	58.7	64.3	58.1	74.0	64.6	59.0	60.1	80.8	64.8	45.0	51.9	34.2	51.3	65.2	50.0	58.3	58.3	22.2	53.0	47.4	59.3	31.3	52.5	51.4	52.3	45.5	49.4	
<i>T. macrescens</i>	5.0	18.6	22.2	23.4	17.9	27.1	10.0	20.1	1.6	21.0	7.7	18.4		25.4	10.5	27.0	13.0	32.4	16.7	26.9	11.1	28.7	10.5	19.8		24.5	5.4	23.0	9.1	29.6	
DEPTH IN CORE (cm)	15-16		16-17		17-18		18-19		19-20		20-21		22-23		23-24		24-25		25-26		26-27		27-28		28-29						
% ORGANIC CARBON	2.08		2.18		2.09		2.20		2.11		2.05		2.15		2.27		2.11		1.97		2.32		2.04		2.04		1.99				
(live/total)	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	L	T	
NO. OF SPECIES	4	7	4	8	3	8	0	7	1	8	2	7	0	7	0	8	0	8	0	9	0	7	0	8	0	8	0	9			
NO. OF INDIVIDUALS	60	1068	40	960	20	960	0	1232	4	1104	16	1240	0	936	0	936	0	956	0	968	0	924	0	1044	0	1216	0	1066			
<i>Ammobaculites dilatatus</i>																															
<i>Ammotium salsum</i>				0.8		0.4				0.7							0.4														
<i>Arenoparella mexicana</i>	13.3	2.6	20.0	3.3	20.0	5.0		4.5	100	2.9		3.5		3.4		2.1		4.6		2.1		2.6		3.1		2.6		2.3			
<i>Gaudryina exilis</i>																0.4					0.8					0.3		0.1			
<i>Haplophragmoides manilaensis</i>						0.4															0.4										
<i>H. wilberti</i>		1.5		2.9				0.6		4.0		1.9		1.7		2.1		3.8		5.0		2.2		4.2		5.3		4.0			
<i>Miliammina fusca</i>	6.7	6.0	20.0	6.3	20.0	6.7		6.2		5.8	50.0	8.7		3.8		7.7		3.8		9.9		4.3		9.2		6.3		8.9			
<i>Polysaccammina hyperhalina</i>																															
<i>P. ipohalina</i>																															
<i>Pseudothurammina limnetis</i>																								0.4							
<i>Reophax nana</i>																															
<i>Siphotrochammina lobata</i>		1.9		2.1		3.3		1.6		3.6		2.9		3.4		2.6		3.8		2.1		3.5		2.3		2.6		2.1			
<i>Tiphotrocha comprimata</i>		2.2	20.0	2.1		1.3		1.3		1.1	50.0	1.3		2.1		0.9		0.4		1.2		1.3		0.8		1.0		1.4			
<i>Trochammina inflata</i>	73.3	56.6	40.0	55.8	60.0	58.8		54.5		54.7		57.4		62.8		63.7		56.1		53.7		61.0		61.3		58.6		43.6			
<i>T. macrescens</i>	6.7	29.2		26.7		24.2		31.2		27.2		24.2		22.6		20.5		27.2		24.8		25.1		18.8		23.4		37.1			