

## Supplementary tables

Total benthic foraminiferal counts on the 63–150 µm and >150 µm size fractions at both Stations A and N. For each species in each core (i.e. sampling period), “r.d.” and “D” correspond to non-standardised (raw data) and standardised (for a surface area of 100 cm<sup>2</sup>) total absolute abundances, respectively, and “%” indicates relative abundances. Grey boxes highlight percentage values and species >5%.

**Table S1:** Total benthic foraminiferal counts on the >150 µm size fraction at Station A.

Station A Taxa >150 µm size fraction	Sampling period			Apr.07			Sept. 07			May.08			Dec.08		
	r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%
<b>Perforates</b>															
<i>Ammonia beccarii</i> f. <i>beccarii</i>	3	4	0.5	–	–	–	–	–	–	–	–	–	–	–	–
<i>Ammonia beccarii</i> f. <i>inflata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Ammonia parkinsoniana</i>	–	–	–	–	–	–	–	–	–	–	–	–	1	1	0.1
<i>Ammonia tepida</i>	1	1	0.2	104	144	50.5	32	44	0.6	1035	1438	93.9			
<i>Amphicoryna scalaris</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Astacolus crepidulus</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bolivina</i> sp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bolivina alata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bolivina dilatata</i>	1	1	0.2	–	–	–	–	–	–	5	7	0.1	1	1	0.1
<i>Bolivina striatula</i>	–	–	–	–	–	–	–	–	–	–	–	–	1	1	0.1
<i>Bolivina subaenariensis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Buccella granulata</i>	–	–	–	1	1	0.5	–	–	–	–	–	–	–	–	–
<i>Bulimina aculeata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bulimina elongata</i>	11	15	2.0	6	8	2.9	4	6	0.1	–	–	–	–	–	–
<i>Bulimina gibba</i>	–	–	–	1	1	0.5	–	–	–	–	–	–	–	–	–
<i>Bulimina marginata</i>	–	–	–	1	1	0.5	–	–	–	–	–	–	2	3	0.2
<i>Cancris oriculus</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Cassidulina carinata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Cassidulina crassa</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Chilostomella ovoidea</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Dentalina filiformis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Elphidium advenum</i>	1	1	0.2	–	–	–	–	–	–	–	–	–	–	–	–
<i>Elphidium crispum</i>	–	–	–	1	1	0.5	–	–	–	–	–	–	–	–	–
<i>Elphidium poeyanum</i> f. <i>decipiens</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Epistominella vitrea</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Fursenkoina</i> sp.	3	4	0.5	–	–	–	–	–	–	–	–	–	–	–	–
<i>Gavelinopsis praegeri</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Globobulimina pyrula</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Gyroidina umbonata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Haynesina</i> spp.	–	–	–	–	–	–	–	–	–	–	–	–	30	42	2.7
<i>Hopkinsina atlantica</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Hyalinea balthica</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Lenticulina atlantica</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Lenticulina peregrina</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Nonion fabum</i>	54	75	9.8	2	3	1.0	5	7	0.1	–	–	–	–	–	–
<i>Nonionella iridea</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Nonionella stella</i>	9	13	1.6	–	–	–	11	15	0.2	–	–	–	–	–	–
<i>Nonionella turgida</i>	103	143	18.7	13	18	6.3	28	39	0.5	–	–	–	–	–	–
<i>Pseudoepionides falsobeccarii</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Rectuvigerina phlegeri</i>	1	1	0.2	–	–	–	–	–	–	–	–	–	–	–	–
<i>Robertina translucens</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Rosalina vilardeboana</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Saidovina karreriana</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Stainforthia concava</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

**Table S1 (continued)**

Station A	Sampling period	Apr.07			Sept. 07			May.08			Dec.08		
		<i>r.d.</i>	<b>D</b>	<b>%</b>	<i>r.d.</i>	<b>D</b>	<b>%</b>	<i>r.d.</i>	<b>D</b>	<b>%</b>	<i>r.d.</i>	<b>D</b>	<b>%</b>
<b>Taxa &gt;150 µm size fraction</b>													
<i>Valvulinera bradyana</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Virgulinella fragilis</i>		<i>1</i>	<b>1</b>	<b>0.2</b>	–	–	–	–	–	–	–	–	–
<b>Miliolids</b>													
Indet.		–	–	–	–	–	–	–	–	–	–	–	–
<i>Adelosina longirostra</i>		<i>2</i>	<b>3</b>	<b>0.4</b>	–	–	–	–	–	–	–	–	–
<i>Biloculina labiata</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Miliolinella subrotunda</i>		–	–	–	–	–	–	–	–	–	<i>1</i>	<b>1</b>	<b>0.1</b>
<i>Pseudotriloculina</i> sp.		–	–	–	–	–	–	–	–	–	–	–	–
<i>Pyrgo elongata</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Pyrgo oblonga</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Quinqueloculina aspera</i>		<i>1</i>	<b>1</b>	<b>0.2</b>	<i>10</i>	<b>14</b>	<b>4.9</b>	–	–	–	–	–	–
<i>Quinqueloculina lata</i>		<i>2</i>	<b>3</b>	<b>0.4</b>	<i>4</i>	<b>6</b>	<b>1.9</b>	<i>3</i>	<b>4</b>	<b>0.1</b>	<i>4</i>	<b>6</b>	<b>0.4</b>
<i>Quinqueloculina milletti</i>		–	–	–	<i>7</i>	<b>10</b>	<b>3.4</b>	–	–	–	–	–	–
<i>Quinqueloculina pygmaea</i>		–	–	–	<i>1</i>	<b>1</b>	<b>0.5</b>	–	–	–	–	–	–
<i>Quinqueloculina seminula</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Quinqueloculina stalkerii</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Sigmoilinita tenuis</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Sigmoilopsis schlumbergeri</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Triloculina tricarinata</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Triloculina trigonula</i>		–	–	–	–	–	–	–	–	–	–	–	–
<b>Fossilising agglutinated</b>													
<i>Textularia agglutinans</i>		–	–	–	–	–	–	–	–	–	–	–	–
<b>Non fossilising agglutinated</b>													
Indet.		–	–	–	–	–	–	–	–	–	–	–	–
Agglutinate sp.333		–	–	–	–	–	–	–	–	–	–	–	–
<i>Adercotryma glomerata</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Ammoscalaria foliacea</i>		<i>1</i>	<b>1</b>	<b>0.2</b>	–	–	–	–	–	–	–	–	–
<i>Clavulina cylindrica</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Cribrostomoides wiesneri</i>		<i>1</i>	–	<b>0.2</b>	–	–	–	–	–	–	–	–	–
<i>Eggerella scabra</i>		<i>69</i>	<b>96</b>	<b>12.5</b>	<i>27</i>	<b>38</b>	<b>13.1</b>	–	–	–	<i>2</i>	<b>3</b>	<b>0.2</b>
<i>Haplophragmoides</i> spp.		–	–	–	–	–	–	–	–	–	–	–	–
<i>Lagenammina difflugiformis</i>		–	–	–	<i>1</i>	<b>1</b>	<b>0.5</b>	–	–	–	<i>3</i>	<b>4</b>	<b>0.3</b>
<i>Leptohalysis scottii</i>		<i>287</i>	<b>399</b>	<b>52.0</b>	<i>17</i>	<b>24</b>	<b>8.3</b>	<i>5427</i>	<b>7538</b>	<b>98.2</b>	<i>4</i>	<b>6</b>	<b>0.4</b>
<i>Nouria polymorphinoides</i>		<i>1</i>	<b>1</b>	<b>0.2</b>	–	–	–	<i>3</i>	<b>4</b>	<b>0.1</b>	–	–	–
<i>Psammosphaera bowmani</i>		–	–	–	<i>9</i>	<b>13</b>	<b>4.4</b>	<i>1</i>	<b>1</b>	<b>0.0</b>	<i>18</i>	<b>25</b>	<b>1.6</b>
<i>Pseudobolivina fusiformis</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Reophax fusiformis</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Reophax nana</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Spiroplectammina</i> sp.1		–	–	–	<i>1</i>	<b>1</b>	<b>0.5</b>	<i>1</i>	<b>1</b>	<b>0.0</b>	–	–	–
<i>Trochammina globigeriniformis</i>		–	–	–	–	–	–	–	–	–	–	–	–
<b>Organic foraminifera</b>													
<b>Total No Perforates</b>		<i>188</i>	<b>261</b>	<b>34.1</b>	<i>129</i>	<b>179</b>	<b>62.6</b>	<i>85</i>	<b>118</b>	<b>1.5</b>	<i>1070</i>	<b>1486</b>	<b>97.1</b>
<b>Total No Miliolids</b>		<i>5</i>	<b>7</b>	<b>0.9</b>	<i>22</i>	<b>31</b>	<b>10.7</b>	<i>3</i>	<b>4</b>	<b>0.1</b>	<i>5</i>	<b>7</b>	<b>0.5</b>
<b>Tot. No Fossilising Agglutinates</b>		–	–	–	–	–	–	–	–	–	–	–	–
<b>Tot. No Non-fossilising Agglutinates</b>		<i>359</i>	<b>499</b>	<b>65.0</b>	<i>55</i>	<b>76</b>	<b>26.7</b>	<i>5432</i>	<b>7544</b>	<b>98.4</b>	<i>27</i>	<b>38</b>	<b>2.5</b>
<b>Total No Organic</b>		–	–	–	–	–	–	–	–	–	–	–	–
<b>Total No individuals</b>		<i>552</i>	<b>767</b>		<i>206</i>	<b>286</b>		<i>5520</i>	<b>7667</b>		<i>1102</i>	<b>1531</b>	

**Table S2:** Total benthic foraminiferal counts on the >150 µm size fraction at Station N.

Station N Taxa >150 µm size fraction	Sampling period			Apr.07			Sept. 07			May.08			Dec.08		
	r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%
<b>Perforates</b>															
<i>Ammonia beccarii</i> f. <i>beccarii</i>	1	1	0.1	23	32	1.8	15	21	0.8	–	–	–	–	–	–
<i>Ammonia beccarii</i> f. <i>inflata</i>	19	26	2.4	–	–	–	10	14	0.5	38	53	4.1	–	–	–
<i>Ammonia parkinsoniana</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Ammonia tepida</i>	1	1	0.1	–	–	–	–	–	–	–	–	–	–	–	–
<i>Amphicoryna scalaris</i>	–	–	–	–	–	–	1	1	0.1	3	4	0.3	–	–	–
<i>Astacolus crepidulus</i>	2	3	0.3	1	1	0.1	1	1	0.1	–	–	–	–	–	–
<i>Bolivina</i> sp.	–	–	–	2	3	0.2	–	–	–	1	1	0.1	–	–	–
<i>Bolivina alata</i>	–	–	–	1	1	0.1	1	1	0.1	–	–	–	–	–	–
<i>Bolivina dilatata</i>	–	–	–	1	1	0.1	–	–	–	–	–	–	–	–	–
<i>Bolivina striatula</i>	–	–	–	1	1	0.1	3	4	0.2	5	7	0.5	–	–	–
<i>Bolivina subaenariensis</i>	–	–	–	2	3	0.2	1	1	0.1	–	–	–	–	–	–
<i>Buccella granulata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bulimina aculeata</i>	1	1	0.1	1	1	0.1	5	7	0.3	–	–	–	–	–	–
<i>Bulimina elongata</i>	2	3	0.3	–	–	–	1	1	0.1	3	4	0.3	–	–	–
<i>Bulimina gibba</i>	1	1	0.1	–	–	–	5	7	0.3	2	3	0.2	–	–	–
<i>Bulimina marginata</i>	3	4	0.4	1	1	0.1	21	29	1.1	3	4	0.3	–	–	–
<i>Cancris oriculus</i>	1	1	0.1	–	–	–	–	–	–	–	–	–	–	–	–
<i>Cassidulina carinata</i>	6	8	0.8	24	33	1.8	86	119	4.4	1	1	0.1	–	–	–
<i>Cassidulina crassa</i>	–	–	–	4	6	0.3	–	–	–	–	–	–	–	–	–
<i>Chilostomella ovoidea</i>	–	–	–	–	–	–	1	1	0.1	1	1	0.1	–	–	–
<i>Dentalina filiformis</i>	1	1	0.1	–	–	–	–	–	–	–	–	–	–	–	–
<i>Elphidium advenum</i>	4	6	0.5	1	1	0.1	11	15	0.6	4	6	0.4	–	–	–
<i>Elphidium crispum</i>	–	–	–	1	1	0.1	3	4	0.2	–	–	–	–	–	–
<i>Elphidium poeyanum</i> f. <i>decipiens</i>	–	–	–	–	–	–	6	8	0.3	2	3	0.2	–	–	–
<i>Epistominella vitrea</i>	–	–	–	–	–	–	1	1	0.1	–	–	–	–	–	–
<i>Fursenkoina</i> sp.	–	–	–	–	–	–	1	1	0.1	4	6	0.4	–	–	–
<i>Gavelinopsis praegeri</i>	–	–	–	1	1	0.1	–	–	–	–	–	–	–	–	–
<i>Globobulimina pyrula</i>	–	–	–	–	–	–	–	–	–	1	1	0.1	–	–	–
<i>Gyroidina umbonata</i>	–	–	–	4	6	0.3	1	1	0.1	–	–	–	–	–	–
<i>Haynesina</i> spp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Hopkinsina atlantica</i>	1	1	0.1	–	–	–	–	–	–	–	–	–	–	–	–
<i>Hyalinea balthica</i>	1	1	0.1	2	3	0.2	3	4	0.2	–	–	–	–	–	–
<i>Lenticulina atlantica</i>	2	3	0.3	–	–	–	5	7	0.3	–	–	–	–	–	–
<i>Lenticulina peregrina</i>	–	–	–	1	1	0.1	–	–	–	–	–	–	–	–	–
<b><i>Nonion fabum</i></b>	54	75	6.9	178	247	13.7	172	239	8.7	179	249	19.4	–	–	–
<i>Nonionella iridea</i>	–	–	–	–	–	–	1	1	0.1	–	–	–	–	–	–
<i>Nonionella stella</i>	–	–	–	–	–	–	45	63	2.3	–	–	–	–	–	–
<b><i>Nonionella turgida</i></b>	41	57	5.2	30	42	2.3	291	404	14.7	69	96	7.5	–	–	–
<i>Pseudoepionides falsobeccarii</i>	–	–	–	2	3	0.2	–	–	–	3	4	0.3	–	–	–
<b><i>Rectuvigerina phlegeri</i></b>	19	26	2.4	92	128	7.1	132	183	6.7	102	142	11.1	–	–	–
<i>Robertina translucens</i>	3	4	0.4	1	1	0.1	3	4	0.2	–	–	–	–	–	–
<i>Rosalina vilardeboana</i>	–	–	–	–	–	–	1	1	0.1	–	–	–	–	–	–
<i>Saidovina karreriana</i>	–	–	–	–	–	–	1	1	0.1	1	1	0.1	–	–	–
<i>Stainforthia concava</i>	–	–	–	–	–	–	3	4	0.2	–	–	–	–	–	–
<b><i>Valvulineria bradyana</i></b>	82	114	10.4	275	382	21.2	380	528	19.2	160	222	17.3	–	–	–
<i>Virgullinella fragilis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

**Table S2 (continued)**

Station N	Sampling period			Apr.07			Sept. 07			May.08			Dec.08		
	Taxa >150 µm size fraction			r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%
<b>Miliolids</b>															
Indet.	–	–	–	–	–	–	–	–	–	1	1	0.1	–	–	–
<i>Adelosina longirostra</i>	8	11	1.0	7	10	0.5	11	15	0.6	4	6	0.4			
<i>Biloculinella labiata</i>	–	–	–	1	1	0.1	1	1	0.1	1	1	0.1			
<i>Miliolinella subrotunda</i>	–	–	–	–	–	–	2	3	0.1	–	–	–			
<i>Pseudotriloculina</i> sp.	–	–	–	–	–	–	1	1	0.1	–	–	–			
<i>Pyrgo elongata</i>	–	–	–	3	4	0.2	–	–	–	–	–	–			
<i>Pyrgo oblonga</i>	–	–	–	7	10	0.5	2	3	0.1	2	3	0.2			
<i>Quinqueloculina aspera</i>	–	–	–	–	–	–	–	–	–	–	–	–			
<i>Quinqueloculina lata</i>	1	1	0.1	–	–	–	3	4	0.2	1	1	0.1			
<i>Quinqueloculina milletti</i>	–	–	–	1	1	0.1	–	–	–	–	–	–			
<i>Quinqueloculina pygmaea</i>	–	–	–	–	–	–	–	–	–	–	–	–			
<i>Quinqueloculina seminula</i>	4	6	0.5	6	8	0.5	2	3	0.1	3	–	0.3			
<i>Quinqueloculina stalkerii</i>	–	–	–	–	–	–	–	–	–	1	0	0.1			
<i>Sigmoilinita tenuis</i>	–	–	–	–	–	–	–	–	–	1	0	0.1			
<i>Sigmoilopsis schlumbergeri</i>	3	4	0.4	–	–	–	1	0	0.1	–	–	–			
<i>Triloculina tricarinata</i>	–	–	–	–	–	–	1	0	0.1	–	–	–			
<i>Triloculina trigonula</i>	–	–	–	–	–	–	2	0	0.1	1	0	0.1			
<b>Fossilising agglutinated</b>															
<i>Textularia agglutinans</i>	19	–	2.4	23	0	1.8	69	0	3.5	11	0	1.2			
<b>Non fossilising agglutinated</b>															
Indet.	–	–	–	2	3	0.2	1	1	0.1	–	–	–			
Agglutinate sp.333	–	–	–	42	58	3.2	5	7	0.3	–	–	–			
<i>Adercotryma glomerata</i>	3	4	0.4	6	8	0.5	33	46	1.7	1	1	0.1			
<i>Ammoscalaria foliacea</i>	11	15	1.4	20	28	1.5	18	25	0.9	6	8	0.7			
<i>Clavulina cylindrica</i>	58	81	7.4	139	193	10.7	38	53	1.9	17	24	1.8			
<i>Cribrostomoides wiesneri</i>	40	56	5.1	16	22	1.2	38	53	1.9	–	–	–			
<i>Eggerella scabra</i>	361	501	45.9	238	331	18.3	396	550	20.0	86	119	9.3			
<i>Haplophragmoides</i> spp.	3	4	0.4	1	1	0.1	1	1	0.1	4	6	0.4			
<i>Lagenammina difflugiformis</i>	1	1	0.1	10	14	0.8	1	1	0.1	1	1	0.1			
<i>Leptohalysis scottii</i>	–	–	–	1	1	0.1	39	54	2.0	49	68	5.3			
<i>Nouria polymorphinoides</i>	16	22	2.0	73	101	5.6	16	22	0.8	140	194	15.2			
<i>Psammosphaera bowmani</i>	9	13	1.1	6	8	0.5	14	19	0.7	3	4	0.3			
<i>Pseudobolivina fusiformis</i>	–	–	–	–	–	–	1	1	0.1	–	–	–			
<i>Reophax fusiformis</i>	1	1	0.1	17	24	1.3	12	17	0.6	2	3	0.2			
<i>Reophax nana</i>	1	1	0.1	–	–	–	–	–	–	–	–	–			
<i>Spiroplectammina</i> sp.1	–	–	–	–	–	–	–	–	–	–	–	–			
<i>Trochammina globigeriniformis</i>	2	3	0.3	30	42	2.3	22	31	1.1	7	10	0.8			
<b>Organic foraminifera</b>															
	–	–	–	1	1	0.1	40	56	2.0	–	–	–			
<b>Total No Perforates</b>	245	340	31.2	649	901	50.0	1211	1682	61.3	582	808	63.1			
<b>Total No Miliolids</b>	16	22	2.0	25	35	1.9	27	38	1.4	14	19	1.5			
<b>Tot. No Fossilising Agglutinates</b>	19	26	2.4	23	32	1.8	69	96	3.5	11	15	1.2			
<b>Tot. No Non-fossilising Agglutinates</b>	506	703	64.4	601	835	46.3	635	882	32.1	316	439	34.2			
<b>Total No Organic</b>	–	–	–	1	1	0.1	40	56	2.0	–	–	–			
<b>Total No individuals</b>	786	1092		1299	1804		1982	2753		923	1282				

**Table S3:** Total benthic foraminiferal counts on the 63–150 µm size fraction at Station A.

Station A Taxa 63–150 µm size fraction	Sampling period			Apr.07			Sept. 07			May.08			Dec.08		
	r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%
<b>Perforates</b>															
Indet.	–	–	–	4	6	<b>0.9</b>	–	–	–	–	–	–	–	–	–
<i>Ammonia beccarii</i> f. <i>beccarii</i>	11	15	<b>0.3</b>	12	17	<b>2.6</b>	–	–	–	–	–	–	24	33	<b>2.4</b>
<i>Ammonia tepida</i>	–	–	–	28	39	<b>4.3</b>	–	–	–	–	–	–	432	600	<b>43.5</b>
<i>Amphicoryna scalaris</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Astacolus crepidulus</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bolivina dilatata</i>	597	830	<b>16.2</b>	36	50	<b>6.0</b>	–	–	–	–	–	–	40	56	<b>4.0</b>
<i>Bolivina seminuda</i>	96	133	<b>2.6</b>	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bolivina spathulata</i>	21	30	<b>0.6</b>	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bolivina striatula</i>	11	15	<b>0.3</b>	4	6	<b>0.5</b>	–	–	–	–	–	–	–	–	–
<i>Bulimina aculeata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bulimina elongata</i>	21	30	<b>0.6</b>	–	–	–	–	–	–	–	–	–	–	–	–
<i>Bulimina marginata</i>	11	15	<b>0.3</b>	–	–	–	–	–	–	–	–	–	–	–	–
<i>Buliminella elegantissima</i>	11	15	<b>0.3</b>	4	6	<b>0.5</b>	–	–	–	–	–	–	–	–	–
<i>Cancris oriculus</i>	–	–	–	4	6	<b>0.9</b>	–	–	–	–	–	–	16	22	<b>1.6</b>
<i>Cassidulina carinata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Cassidulina crassa</i>	11	15	<b>0.3</b>	–	–	–	–	–	–	–	–	–	–	–	–
<i>Cassidulina minuta</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Cassidulina oblonga</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Elphidium poeyanum</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Epistominella vitrea</i>	11	15	<b>0.3</b>	–	–	–	–	–	–	–	–	–	–	–	–
<i>Fissurina</i> sp.	–	–	–	–	–	–	–	–	–	–	–	–	8	11	<b>0.8</b>
<i>Fursenkoina</i> sp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Gavelinopsis praegeri</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Gyroidina umbonata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Hanzawaia boueana</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Haynesina germanica</i>	–	–	–	–	–	–	–	–	–	–	–	–	64	89	<b>6.5</b>
<i>Hopkinsina atlantica</i>	139	193	<b>3.8</b>	–	–	–	–	–	–	–	–	–	–	–	–
<i>Hyalinea balthica</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Lenticulina atlantica</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Nonion</i> sp.1	–	–	–	4	6	<b>0.5</b>	–	–	–	–	–	–	–	–	–
<i>Nonion fabum</i>	11	15	<b>0.3</b>	–	–	–	–	–	–	–	–	–	–	–	–
<i>Nonionella</i> sp.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Nonionella bradyi</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Nonionella iridea</i>	75	104	<b>2.0</b>	4	6	<b>0.5</b>	–	–	–	–	–	–	–	–	–
<i>Nonionella stella</i>	415	576	<b>8.1</b>	–	–	–	–	–	–	–	–	–	–	–	–
<i>Nonionella turgida</i>	593	823	<b>11.6</b>	–	–	–	–	–	–	–	–	–	8	11	<b>0.8</b>
<i>Rectuvigerina phlegeri</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Robertina translucens</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Saidovina karreriana</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Stainforthia complanata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Stainforthia concava</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Stainforthia fusiformis</i>	1081	1502	<b>21.1</b>	20	28	<b>3.3</b>	–	–	–	–	–	–	–	–	–
<i>Valvulineria bradyana</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Virgulinea fragilis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Virgulopsis</i> sp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

**Table S3 (continued)**

Station A Taxa 63–150 µm size fraction	Sampling period			Apr.07			Sept. 07			May.08			Dec.08		
	r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%
<b>Miliolids</b>															
Indet.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Adelosina longirostra</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Cornuspira involvens</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Miliolinella subrotunda</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Quinqueloculina lata</i>	–	–	–	4	6	<b>0.9</b>	–	–	–	–	–	–	–	–	–
<i>Quinqueloculina milletti</i>	–	–	–	24	33	<b>3.8</b>	–	–	–	–	–	–	–	–	–
<i>Quinqueloculina pygmaea</i>	44	62	<b>0.9</b>	28	39	<b>4.3</b>	–	–	–	–	–	–	–	–	–
<i>Quinqueloculina seminula</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Quinqueloculina stalkerii</i>	–	–	–	4	6	<b>0.5</b>	–	–	–	–	–	–	–	–	–
<i>Quinqueloculina tenuicollis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Sigmoilopsis schlumbergeri</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Siphonaperta aspera</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Triloculina</i> sp.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Triloculina tricarinata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<b>Fossilising agglutinated</b>															
<i>Textularia agglutinans</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Textularia porrecta</i>	128	178	<b>3.5</b>	4	6	<b>0.5</b>	–	–	–	–	–	–	–	–	–
<b>Non fossilising agglutinated</b>															
Indet.	–	–	–	8	11	<b>1.4</b>	–	–	–	–	–	–	40	56	<b>4.0</b>
Agglutinate sp.333	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Adercotryma glomerata</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Ammoscalaria foliacea</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Clavulina cylindrica</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Cribrostomoides wiesneri</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Eggerella scabra</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Leptohalysis scottii</i>	971	1348	<b>26.3</b>	104	144	<b>16.9</b>	99	138	<b>100</b>	32	44	<b>3.2</b>	24	33	<b>2.4</b>
<i>Nouria polymorphinoides</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Psammosphaera bowmani</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Psammosphaera fusca</i>	11	15	<b>0.3</b>	276	383	<b>44.9</b>	–	–	–	296	411	<b>29.8</b>	–	–	–
<i>Pseudobolivina fusiformis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Reophax fusiformis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Reophax nana</i>	21	30	<b>0.6</b>	24	33	<b>3.4</b>	–	–	–	–	–	–	–	–	–
<i>Trochammina globigeriniformis</i>	–	–	–	8	11	<b>1.4</b>	–	–	–	8	11	<b>0.8</b>	–	–	–
<b>Organic foraminifera</b>															
	–	–	–	16	22	<b>2.1</b>	–	–	–	–	–	–	–	–	–
<b>Total No Perforates</b>	2528	3511	<b>68.5</b>	120	167	<b>20.0</b>	–	–	–	–	–	–	592	822	<b>59.7</b>
<b>Total No Miliolids</b>	32	44	<b>0.9</b>	60	83	<b>9.5</b>	–	–	–	–	–	–	–	–	–
<b>Tot. No Fossilising Agglutinates</b>	128	178	<b>3.5</b>	4	6	<b>0.5</b>	–	–	–	–	–	–	–	–	–
<b>Tot. No Non-fossilising Agglutinates</b>	1003	1393	<b>27.2</b>	420	583	<b>68.0</b>	99	138	<b>100</b>	400	556	<b>40.3</b>	–	–	–
<b>Total No Organic</b>	–	–	–	16	22	<b>2.1</b>	–	–	–	–	–	–	–	–	–
<b>Total No individuals</b>	3691	5126		620	861		99	138		992	1378				

**Table S4:** Total benthic foraminiferal counts on the 63–150 µm size fraction at Station N.

Station N Taxa 63–150 µm size fraction	Sampling period			Apr.07			Sept. 07			May.08			Dec.08				
	r.d.	D	%	r.d.	D	%	r.d.	D	%	r.d.	D	%					
<b>Perforates</b>																	
Indet.	48	67	<b>0.8</b>	8	11	<b>0.2</b>	208	289	<b>2.5</b>	–	–	–	–	–	–		
<i>Ammonia beccarii</i> f. <i>beccarii</i>	16	22	<b>0.3</b>	28	39	<b>0.7</b>	–	–	–	24	33	<b>1.3</b>					
<i>Ammonia tepida</i>	–	–	–	–	–	–	–	–	–	–	–	–					
<i>Amphicoryna scalaris</i>	48	67	<b>0.8</b>	4	6	<b>0.1</b>	–	–	–	4	6	<b>0.2</b>					
<i>Astacolus crepidulus</i>	32	44	<b>0.6</b>	4	6	<b>0.1</b>	16	22	<b>0.2</b>	–	–	–					
<i>Bolivina dilatata</i>	1200	1667	<b>21.1</b>	556	772	<b>13.4</b>	880	1222	<b>10.5</b>	268	372	<b>14.4</b>					
<i>Bolivina seminuda</i>	48	67	<b>0.8</b>	28	39	<b>0.6</b>	176	244	<b>2.1</b>	104	144	<b>5.6</b>					
<i>Bolivina spathulata</i>	304	422	<b>5.4</b>	348	483	<b>8.1</b>	288	400	<b>3.4</b>	200	278	<b>10.8</b>					
<i>Bolivina striatula</i>	272	378	<b>4.8</b>	84	117	<b>2.0</b>	80	111	<b>1.0</b>	76	106	<b>4.1</b>					
<i>Bulimina aculeata</i>	–	–	–	20	28	<b>0.5</b>	–	–	–	–	–	–					
<i>Bulimina elongata</i>	32	44	<b>0.6</b>	24	33	<b>0.6</b>	48	67	<b>0.6</b>	16	22	<b>0.9</b>					
<i>Bulimina marginata</i>	64	89	<b>1.1</b>	8	11	<b>0.2</b>	80	111	<b>1.0</b>	8	11	<b>0.4</b>					
<i>Buliminella elegantissima</i>	–	–	–	–	–	–	–	–	–	–	–	–					
<i>Cancris oriculus</i>	–	–	–	–	–	–	–	–	–	–	–	–					
<i>Cassidulina carinata</i>	–	–	–	48	67	<b>1.1</b>	48	67	<b>0.6</b>	4	6	<b>0.2</b>					
<i>Cassidulina crassa</i>	–	–	–	8	11	<b>0.2</b>	32	44	<b>0.4</b>	8	11	<b>0.4</b>					
<i>Cassidulina minuta</i>	–	–	–	8	11	<b>0.2</b>	16	22	<b>0.2</b>	–	–	–					
<i>Cassidulina oblonga</i>	16	22	<b>0.3</b>	–	–	–	16	22	<b>0.2</b>	–	–	–					
<i>Elphidium poeyanum</i>	–	–	–	4	6	<b>0.1</b>	–	–	–	–	–	–					
<i>Epistominella vitrea</i>	208	289	<b>3.7</b>	172	239	<b>4.1</b>	240	333	<b>2.9</b>	60	83	<b>3.2</b>					
<i>Fissurina</i> sp.	–	–	–	–	–	–	–	–	–	16	22	<b>0.9</b>					
<i>Fursenkoina</i> sp.	–	–	–	4	6	<b>0.1</b>	–	–	–	16	22	<b>0.9</b>					
<i>Gavelinopsis praegeri</i>	–	–	–	4	6	<b>0.1</b>	–	–	–	–	–	–					
<i>Gyroidina umbonata</i>	–	–	–	12	17	<b>0.3</b>	–	–	–	–	–	–					
<i>Hanzawaia boueana</i>	–	–	–	4	6	<b>0.1</b>	–	–	–	–	–	–					
<i>Haynesina germanica</i>	–	–	–	–	–	–	–	–	–	–	–	–					
<i>Hopkinsina atlantica</i>	416	578	<b>7.3</b>	380	528	<b>8.5</b>	208	289	<b>2.5</b>	72	100	<b>3.9</b>					
<i>Hyalinea balthica</i>	16	22	<b>0.3</b>	4	6	<b>0.1</b>	–	–	–	–	–	–					
<i>Lenticulina atlantica</i>	48	67	<b>0.8</b>	12	17	<b>0.3</b>	32	44	<b>0.4</b>	28	39	<b>1.5</b>					
<i>Nonion</i> sp.1	–	–	–	28	39	<b>0.7</b>	–	–	–	–	–	–					
<i>Nonion fabum</i>	–	–	–	36	50	<b>0.8</b>	112	156	<b>1.3</b>	12	17	<b>0.6</b>					
<i>Nonionella</i> sp.1	–	–	–	–	–	–	240	333	<b>2.9</b>	16	22	<b>0.9</b>					
<i>Nonionella bradyi</i>	224	311	<b>3.9</b>	4	6	<b>0.1</b>	–	–	–	–	–	–					
<i>Nonionella iridea</i>	80	111	<b>1.4</b>	–	–	–	944	1311	<b>11.3</b>	20	28	<b>1.1</b>					
<i>Nonionella stella</i>	240	333	<b>4.2</b>	72	100	<b>1.6</b>	304	422	<b>3.6</b>	–	–	–					
<i>Nonionella turgida</i>	432	600	<b>7.6</b>	272	378	<b>6.4</b>	1360	1889	<b>16.2</b>	28	39	<b>1.5</b>					
<i>Rectuvigerina phlegeri</i>	256	356	<b>4.5</b>	344	478	<b>7.8</b>	64	89	<b>0.8</b>	88	122	<b>4.7</b>					
<i>Robertina translucens</i>	–	–	–	16	22	<b>0.4</b>	–	–	–	–	–	–					
<i>Saidovina karreriana</i>	–	–	–	48	67	<b>1.1</b>	–	–	–	8	11	<b>0.4</b>					
<i>Stainforthia complanata</i>	80	111	<b>1.4</b>	8	11	<b>0.2</b>	96	133	<b>1.1</b>	–	–	–					
<i>Stainforthia concava</i>	–	–	–	56	78	<b>1.4</b>	–	–	–	88	122	<b>4.7</b>					
<i>Stainforthia fusiformis</i>	32	44	<b>0.6</b>	148	206	<b>4.0</b>	192	267	<b>2.3</b>	72	100	<b>3.9</b>					
<i>Valvulineria bradyana</i>	80	111	<b>1.4</b>	96	133	<b>1.9</b>	16	22	<b>0.2</b>	16	22	<b>0.9</b>					
<i>Virgulineria fragilis</i>	–	–	–	4	6	<b>0.1</b>	–	–	–	–	–	–					
<i>Virgulopsis</i> sp.	16	22	<b>0.3</b>	–	–	–	–	–	–	–	–	–					

**Table S4 (continued)**

Station N	Sampling period	Apr.07			Sept. 07			May.08			Dec.08		
		<i>r.d.</i>	D	%	<i>r.d.</i>	D	%	<i>r.d.</i>	D	%	<i>r.d.</i>	D	%
<b>Miliolids</b>													
Indet.		–	–	–	4	6	<b>0.1</b>	–	–	–	–	–	–
<i>Adelosina longirostra</i>		16	22	<b>0.3</b>	4	6	<b>0.1</b>	–	–	–	4	6	<b>0.2</b>
<i>Cornuspira involvens</i>		–	–	–	–	–	–	–	–	–	16	22	<b>0.9</b>
<i>Miliolinella subrotunda</i>		–	–	–	4	6	<b>0.1</b>	32	44	<b>0.4</b>	–	–	–
<i>Quinqueloculina lata</i>		32	44	<b>0.6</b>	12	17	<b>0.2</b>	16	22	<b>0.2</b>	–	–	–
<i>Quinqueloculina milletti</i>		–	–	–	4	6	<b>0.1</b>	–	–	–	–	–	–
<i>Quinqueloculina pygmaea</i>		32	44	<b>0.6</b>	–	–	–	–	–	–	8	11	<b>0.4</b>
<i>Quinqueloculina seminula</i>		–	–	–	8	11	<b>0.2</b>	–	–	–	4	6	<b>0.2</b>
<i>Quinqueloculina stalkerii</i>		48	67	<b>0.8</b>	40	56	<b>1.1</b>	112	156	<b>1.3</b>	4	6	<b>0.2</b>
<i>Quinqueloculina tenuicollis</i>		–	–	–	–	–	–	16	22	<b>0.2</b>	–	–	–
<i>Sigmoilopsis schlumbergeri</i>		–	–	–	8	11	<b>0.2</b>	–	–	–	–	–	–
<i>Siphonaperta aspera</i>		–	–	–	–	–	–	–	–	–	4	6	<b>0.2</b>
<i>Triloculina</i> sp.		–	–	–	4	6	<b>0.1</b>	–	–	–	–	–	–
<i>Triloculina tricarinata</i>		–	–	–	–	–	–	16	22	<b>0.2</b>	–	–	–
<b>Fossilising agglutinated</b>													
<i>Textularia agglutinans</i>		–	–	–	–	–	–	16	22	<b>0.2</b>	–	–	–
<i>Textularia porrecta</i>		304	422	<b>5.4</b>	80	111	<b>2.1</b>	608	844	<b>7.3</b>	228	317	<b>12.3</b>
<b>Non fossilising agglutinated</b>													
Indet.		48	67	<b>0.8</b>	–	–	–	–	–	–	–	–	–
Agglutinate sp.333		96	133	<b>1.7</b>	104	144	<b>2.5</b>	64	89	<b>0.8</b>	84	117	<b>4.5</b>
<i>Adercotryma glomerata</i>		32	44	<b>0.6</b>	8	11	<b>0.2</b>	48	67	<b>0.6</b>	4	6	<b>0.2</b>
<i>Ammoscalaria foliacea</i>		–	–	–	4	6	<b>0.1</b>	–	–	–	–	–	–
<i>Clavulina cylindrica</i>		96	133	<b>1.7</b>	44	61	<b>1.0</b>	96	133	<b>1.1</b>	–	–	–
<i>Cribrostomoides wiesneri</i>		112	156	<b>2.0</b>	40	56	<b>1.0</b>	32	44	<b>0.4</b>	–	–	–
<i>Eggerella scabra</i>		304	422	<b>5.4</b>	552	767	<b>13.3</b>	528	733	<b>6.3</b>	128	178	<b>6.9</b>
<i>Leptohalysis scottii</i>		176	244	<b>3.1</b>	144	200	<b>3.6</b>	1008	1400	<b>12.0</b>	52	72	<b>2.8</b>
<i>Nouria polymorphinoides</i>		–	–	–	32	44	<b>0.7</b>	–	–	–	8	11	<b>0.4</b>
<i>Psammosphaera bowmani</i>		64	89	<b>1.1</b>	96	133	<b>2.1</b>	16	22	<b>0.2</b>	4	6	<b>0.2</b>
<i>Psammosphaera fusca</i>		–	–	–	–	–	–	–	–	–	–	–	–
<i>Pseudobolivina fusiformis</i>		32	44	<b>0.6</b>	4	6	<b>0.1</b>	32	44	<b>0.4</b>	16	22	<b>0.9</b>
<i>Reophax fusiformis</i>		–	–	–	4	6	<b>0.1</b>	–	–	–	–	–	–
<i>Reophax nana</i>		48	67	<b>0.8</b>	28	39	<b>0.7</b>	48	67	<b>0.6</b>	8	11	<b>0.4</b>
<i>Trochammina globigeriniformis</i>		32	44	<b>0.6</b>	104	144	<b>2.2</b>	–	–	–	36	50	<b>1.9</b>
<b>Organic foraminifera</b>													
		–	–	–	–	–	–	–	–	–	–	–	–
<b>Total No Perforates</b>		4208	5844	<b>74.1</b>	2904	4033	<b>67.9</b>	5696	7911	<b>67.9</b>	1252	1739	<b>67.3</b>
<b>Total No Miliolids</b>		128	178	<b>2.3</b>	88	122	<b>2.2</b>	192	267	<b>2.3</b>	40	56	<b>2.2</b>
<b>Tot. No Fossilising Agglutinates</b>		304	422	<b>5.4</b>	80	111	<b>2.1</b>	624	867	<b>7.4</b>	228	317	<b>12.3</b>
<b>Tot. No Non–fossilising Agglutinates</b>		1040	1444	<b>18.3</b>	1164	1617	<b>27.8</b>	1872	2600	<b>22.3</b>	340	472	<b>18.3</b>
<b>Total No Organic</b>		–	–	–	–	–	–	–	–	–	–	–	–
<b>Total No individuals</b>		5680	7889		4236	5883		8384	11644		1860	2583	