

## APPENDIX 1

### List of presence of calcareous nannoplankton and their total abundance in the Brus-1 borehole (including reworked taxa)

Taxa/ level of borehole (m)	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	
<i>Coccolithus pelagicus</i> Schiller	0	0	0	0	0	2	0	0	1	50	75	55	85	155	130	165	60	80	200	104	200	110	185	100	105	56	140	20	50	105	50	16	51	21	45	
<i>Cyclicargolithus floridanus</i> Bukry	0	0	0	0	0	0	0	0	0	0	1	4	1	3	0	10	1	1	2	2	3	0	5	1	0	0	0	0	0	0	0	1	0	0	0	
<i>Helicosphaera carteri</i> Kamptner	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	2	0	0	1	0	0	
<i>Helicosphaera walbersdorfensis</i> Müller	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	1	0	0	0	0	0	0	0	
<i>Pontosphaera multipora</i> Roth	0	0	0	0	0	1	0	0	0	0	0	0	1	4	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Reticulofenestra haqii</i> Backman	0	0	0	0	0	0	0	0	0	1	3	5	4	9	11	0	1	7	3	1	1	3	6	2	4	0	9	1	0	1	1	2	0	0	0	
<i>Reticulofenestra minuta</i> Roth	0	0	0	0	0	0	0	0	0	3	0	0	4	11	4	11	2	13	5	13	12	1	12	0	0	2	45	1	2	8	0	0	3	0	6	
<i>Reticulofenestra pseudoumbilicus</i> Gartner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Sphenolithus moriformis</i> Bramlette et Wilcoxon	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	0	0	0	0	0	0	0	
<i>Syracosphaera pulchra</i> Lohmann	0	0	0	0	0	0	0	0	0	1	1	1	6	5	6	0	0	3	0	4	0	4	0	4	0	0	2	0	1	4	1	0	0	1	0	3
<i>Thoracosphaera</i> sp.	0	0	0	0	0	17	1	5	0	7	9	4	6	9	15	5	4	5	12	1	7	2	1	2	1	5	1	1	0	4	1	2	6	0	3	
<i>Umbilicosphaera jafari</i> Müller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	
<b>Total numbers of individuals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>61</b>	<b>90</b>	<b>69</b>	<b>102</b>	<b>197</b>	<b>166</b>	<b>198</b>	<b>68</b>	<b>106</b>	<b>229</b>	<b>123</b>	<b>230</b>	<b>116</b>	<b>215</b>	<b>106</b>	<b>110</b>	<b>65</b>	<b>204</b>	<b>24</b>	<b>56</b>	<b>121</b>	<b>52</b>	<b>21</b>	<b>62</b>	<b>21</b>	<b>57</b>	
<b>Reworked taxa</b>																																				
<i>Archangelskiella</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	2	0	0	1	0	0	0	0	1	
<i>Eifellith</i> sp.	0	0	0	0	0	0	0	0	0	1	3	0	0	0	1	0	0	1	2	0	1	3	3	1	1	0	1	0	1	0	0	0	0	0	1	
<i>Micula</i> sp.	0	0	0	0	0	0	0	0	0	1	0	1	0	1	3	1	0	0	1	1	3	2	4	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Reticulofenestra bisecta</i> Roth	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Reticulofenestra scrippsae</i> Roth	0	0	0	0	0	0	0	0	0	0	3	0	2	1	0	4	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0
<i>Reticulofenestra umbilicus</i> Martini et Ritzkowski	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0
<i>Rhabdosphaera clavigera</i> Murray & Blackman	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
<i>Staurolithes</i> sp.	0	0	0	0	0	0	0	0	0	1	3	2	4	5	3	3	0	0	5	6	7	3	10	4	1	0	1	0	3	0	0	1	0	0	3	
<i>Watzenaeria</i> sp.	0	0	0	0	0	1	0	x	1	2	1	0	7	3	7	0	1	7	1	8	4	8	4	6	1	3	1	0	1	0	0	2	2	2	2	
<i>Zeugrhabdotus</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>9</b>	<b>5</b>	<b>9</b>	<b>4</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>2</b>	