

## APPENDIX 1

### Relative abundance [%] of calcareous nannofossils index species from the Guydagh section

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	Sample number
0	0	0	0	0	0	2.25	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	<i>C. oblongata</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	<i>Cy. argoensis</i>
0	0	0	0	2.75	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	<i>Cy. deflanderii</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	<i>Cy. margerelii</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.5	0	0	0	0	4	0	0	0	0	0	<i>D. ignotus</i>
0	0	0	0	2.75	0	0	0	5.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<i>N. bucheri</i>
0	0	0	0	11	7.5	0	0	0	0	4	9	4	0	0	0	0	0	0	0	0	0	0	0	0	<i>N. circularis</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	<i>N. dolomiticus</i>
0	0	0	37.5	41.5	42.5	37.75	37	60	0	21	54.5	19.5	43.75	7.5	0	0	18.5	0	19.25	4.75	4	18	14.25	0	<i>N. g. subsp. globulus</i>
0	0	0	12.5	19.5	12.5	13.25	31.5	20	0	29	36.5	6	12.5	10	0	0	3.75	0	0	2.25	2	7	0	0	<i>N. k. subsp. kamptnerii</i>
0	0	0	0	3	2.5	22.25	31.5	14.25	0	21	0	2	0	5	0	0	3.75	0	0	9.25	0	3.5	0	0	<i>N. st. subsp. steinmannii</i>
0	0	0	6.25	0	0	0	0	0	0	0	0	0	6.25	2.5	0	0	7.5	0	15.25	4.75	2	0	0	0	<i>W. barnesiaie</i>
0	0	0	6.25	8.5	7.5	6.5	0	0	0	12.5	0	17.5	12.5	7.5	0	0	15	0	7.5	16.25	32.5	21.5	19	0	<i>W. biporta</i>
0	0	0	6.25	0	10	9	0	0	0	8.5	0	23.5	18.75	22.5	0	0	22	0	30.75	32.5	29	25	14.25	0	<i>W. britannica</i>
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	<i>W. cynthae</i>
0	0	0	31.25	11	17.5	9	0	0	0	4	0	25.5	6.25	37.5	0	0	29.5	0	11.5	30.25	30.5	21.5	47.5	0	<i>W. fossacincta</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.75	0	0	3.5	0	0	<i>W. rawsonii</i>