

**HELP INDEX: *HOEGLUNDINA ELEGANS* PRESERVATION INDEX FOR MARINE
SEDIMENTS IN THE WESTERN SOUTH ATLANTIC**

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APPENDIX CAPTION

APPENDIX 1. *Hoeglundina elegans* abundance, HeIP Index, sand fraction, carbonate content and Fragmentation Index (FI) data obtained in this study. Samples ages were calculated using the correlation of the benthic foraminiferal oxygen isotope record and the Lisiecki and Raymo (2005) stack using the software Analyseries 2.0 (Paillard et al., 1996). The age model is presented in de Almeida et al. (2015).

Core depth (cm)	Dry weight (g)	Number of tests	Abundance (n° tests/g)	Degree 0 (%)	Degree 1 (%)	Degree 2 (%)	Degree 3 (%)	Degree 4 (%)	HelP Index	Sand fraction (%)	CaCO ₃ (%)	FI (%)
0	22.4	21	0.94	64.3	21.4	7.1	7.1	0.0	85.7	28.9	47.5	6.6
14	50.6	31	0.61	4.3	34.8	39.1	13.0	8.7	39.1	28.2	19.6	4.8
22	38.4	13	0.34	0.0	7.7	23.1	38.5	30.8	7.7	14.1	20.9	14.0
31	44.2	7	0.16	0.0	0.0	0.0	57.1	42.9	0.0	14.2	16.0	8.9
56	47.0	8	0.17	0.0	50.0	0.0	25.0	25.0	50.0	10.6	26.4	5.6
71	45.1	10	0.22	10.0	30.0	40.0	0.0	20.0	40.0	7.2	12.0	6.5
91	59.6	92	1.54	0.0	46.8	25.5	21.3	6.4	46.8	10.7	22.3	8.7
101	32.9	8	0.24	0.0	50.0	37.5	12.5	0.0	50.0	8.2	13.3	6.2
116	46.8	36	0.77	0.0	38.9	13.9	38.9	8.3	38.9	4.0	28.9	8.6
141	36.0	8	0.22	0.0	0.0	14.3	28.6	57.1	0.0	3.6	9.5	11.2
156	36.1	1	0.03	0.0	0.0	0.0	100.0	0.0	0.0	2.7	13.9	20.1
175	35.5	4	0.11	25.0	0.0	0.0	75.0	0.0	25.0	2.1	11.4	5.5
203	38.4	0	0.00	...	...	...	...	...	...	0.7	11.8	11.0
218	30.2	3	0.10	0.0	0.0	0.0	33.3	66.7	0.0	2.0	18.9	21.7
228	35.7	0	0.00	...	...	...	...	...	...	2.2	21.3	6.9
238	28.7	4	0.14	33.3	0.0	0.0	33.3	33.3	33.3	2.5	15.6	14.7
244	32.9	0	0.00	...	...	...	...	...	...	1.6	16.2	30.3
253	30.6	0	0.00	...	...	...	...	...	...	2.6	14.3	17.9
283	40.3	24	0.60	0.0	8.3	4.2	45.8	41.7	8.3	4.3	20.4	10.6
328	45.0	37	0.82	0.0	34.3	20.0	37.1	8.6	34.3	3.4	24.1	6.8
368	33.2	0	0.00	...	...	...	...	...	...	1.9	15.6	32.4
378	31.9	2	0.06	0.0	0.0	0.0	50.0	50.0	0.0	4.1	17.1	37.1
438	31.5	20	0.64	0.0	5.0	0.0	55.0	40.0	5.0	4.9	23.1	9.6
478	37.1	17	0.46	0.0	17.6	11.8	70.6	0.0	17.6	5.5	25.7	9.7
533	36.1	1	0.03	0.0	0.0	100.0	0.0	0.0	0.0	4.6	24.4	5.1
578	34.3	8	0.23	50.0	50.0	0.0	0.0	0.0	100.0	17.7	54.6	3.8
588	45.5	32	0.70	18.2	12.1	9.1	39.4	21.2	30.3	19.9	54.4	9.3
595	42.0	72	1.71	14.9	37.8	14.9	24.3	8.1	52.7	33.9	25.4	3.2
605	57.0	222	3.90	3.1	32.0	12.0	33.3	19.6	35.1	41.9	10.9	6.9
651	37.4	0	0.00	...	...	...	...	...	...	5.4	11.5	13.4
671	37.1	11	0.30	0.0	18.2	18.2	63.6	0.0	18.2	5.2	15.1	8.0
696	35.8	2	0.06	0.0	50.0	0.0	50.0	0.0	50.0	7.5	9.9	7.3
731	31.3	4	0.13	0.0	0.0	0.0	50.0	50.0	0.0	2.0	11.3	19.3
761	34.2	0	0.00	...	...	...	...	...	...	2.2	12.9	10.1
791	30.1	0	0.00	...	...	...	...	...	...	2.5	14.3	19.6
821	35.9	33	0.92	0.0	2.9	2.9	41.2	52.9	2.9	13.0	17.9	19.3
831	30.5	9	0.29	0.0	55.6	11.1	22.2	11.1	55.6	13.6	24.6	8.7
866	31.9	24	0.75	12.5	50.0	16.7	20.8	0.0	62.5	10.8	34.7	7.7
906	29.0	0	0.00	...	...	...	...	...	...	4.6	17.2	25.7
921	35.3	7	0.20	0.0	42.9	28.6	28.6	0.0	42.9	10.8	21.7	8.1
936	33.2	13	0.39	23.1	38.5	15.4	23.1	0.0	61.5	14.2	40.2	1.1
986	39.1	0	0.00	...	...	...	...	...	...	4.5	21.9	8.5
1041	30.7	0	0.00	...	...	...	...	...	...	2.7	11.9	13.4
1056	41.9	0	0.00	...	...	...	...	...	...	1.3	37.3	15.9
1061	30.7	0	0.00	...	...	...	...	...	...	1.2	15.2	23.4
1076	40.0	0	0.00	...	...	...	...	...	...	0.6	14.5	20.6
1096	43.6	0	0.00	...	...	...	...	...	...	1.2	13.7	29.7
1151	36.8	0	0.00	...	...	...	...	...	...	1.5	18.8	24.6
1206	42.2	7	0.17	0.0	16.7	33.3	50.0	0.0	16.7	5.0	15.1	10.1
1241	34.5	0	0.00	...	...	...	...	...	...	0.8	34.9	52.5
1256	38.9	1	0.03	0.0	0.0	0.0	100.0	0.0	0.0	2.0	25.0	24.9
1291	34.4	7	0.20	0.0	42.9	0.0	57.1	0.0	42.9	5.1	34.6	7.4
1301	40.3	2	0.05	0.0	0.0	0.0	50.0	50.0	0.0	6.8	29.4	11.1
1321	40.0	2	0.05	0.0	50.0	0.0	50.0	0.0	50.0	9.7	46.4	8.5
1345	37.9	8	0.21	0.0	75.0	12.5	12.5	0.0	75.0	7.3	56.7	2.6
1370	31.9	19	0.60	0.0	5.3	5.3	68.4	21.1	5.3	11.9	17.1	9.0
1390	36.0	2	0.06	0.0	0.0	0.0	0.0	100.0	0.0	7.0	22.4	7.1
1425	56.6	0	0.00	...	...	...	...	...	...	5.2	15.5	9.7
1440	37.6	0	0.00	...	...	...	...	...	...	3.4	23.8	22.9
1465	42.9	3	0.07	0.0	0.0	33.3	0.0	66.7	0.0	6.8	29.4	13.2
1485	36.5	0	0.00	...	...	...	...	...	...	6.8	26.5	17.4
1490	40.2	6	0.15	0.0	16.7	16.7	0.0	66.7	16.7	5.4	24.6	23.9
1500	38.4	6	0.16	0.0	66.7	0.0	33.3	0.0	66.7	4.3	24.5	13.3
1510	48.1	19	0.39	0.0	5.0	5.0	35.0	55.0	5.0	10.8	41.9	12.4
1525	41.0	0	0.00	...	...	...	...	...	...	12.1	48.8	11.9
1534	42.8	0	0.00	...	...	...	...	...	...	16.2	55.8	8.4
1545	56.1	81	1.44	0.0	34.6	28.4	29.6	7.4	34.6	23.4	56.0	5.2
1560	57.5	0	0.00	...	...	...	...	...	...	16.1	22.3	10.5
1570	37.1	0	0.00	...	...	...	...	...	...	32.4	17.5	7.1