

## Appendix 2

### The washed samples

The result of the studies on the macrofauna from the washed samples of the Skagen III Well is presented in this Appendix by the first appearance of the observed molluscan species. No molluscan species were found in these samples that were not represented in the cored sample material.

In all, 42 species were found compared to the 85 species recorded from the cored sections of the Skagen Well. In most cases, the first appearance of a species is within the same interval as is recorded from the cores. However, in a few cases the washed sample material gave important information in relation to the occurrence in the sequence.

The washed samples show that *Hinia reticulata* occurs in the uppermost part of the section around the 12 m level.

As a supplement to the otherwise few finds of *Siphonodentalium lobatum* from the cores, this species has also been found in the washed samples from the interval of the Younger *Yoldia* Sea.

*Nuculana minuta* has been found in the youngest part of the Subatlantic from the 31 m level, where this species occurred at the early Subatlantic from the cored section at the 53.90–54.00 m level.

*Portlandia arctica* is found at the 115 m level, which is the level where the transition from the Arctic Sea

deposits to the Boreal Holocene deposits takes place. Furthermore, also the magnetic sphaeric concretions found in the Younger *Yoldia* Sea deposits appear in the washed samples at this level.

The occurrence of *Yoldiella frigida* from the 121 m level is an extension to the distribution of this species from the 126.99 m level.

The single find of *Abra alba* at the 77.93–78.00 m level from the cored section is supplemented by the occurrence at the 108 m level of the same species.

The very sparse occurrence of *Arctica islandica* is supplemented by another find at the 18.0 m level. However, still the Holocene occurrences of this Boreal species are from the latest part of the Subatlantic.

From the strata below the glacial section, no supplementary information has been obtained, and washed samples were not taken beyond the depth of 183 m b.s. in the core.

The results from the analyses of the washed samples lead to the conclusion that the important changes in a marine sequence can be demonstrated, as seen from the occurrence of both *Portlandia arctica* and the magnetic sphaeric concretions at exactly the same place as recorded in the cored section. However, when passing through the thicker pocket of glacial deposits, the information from the strata below fades out.

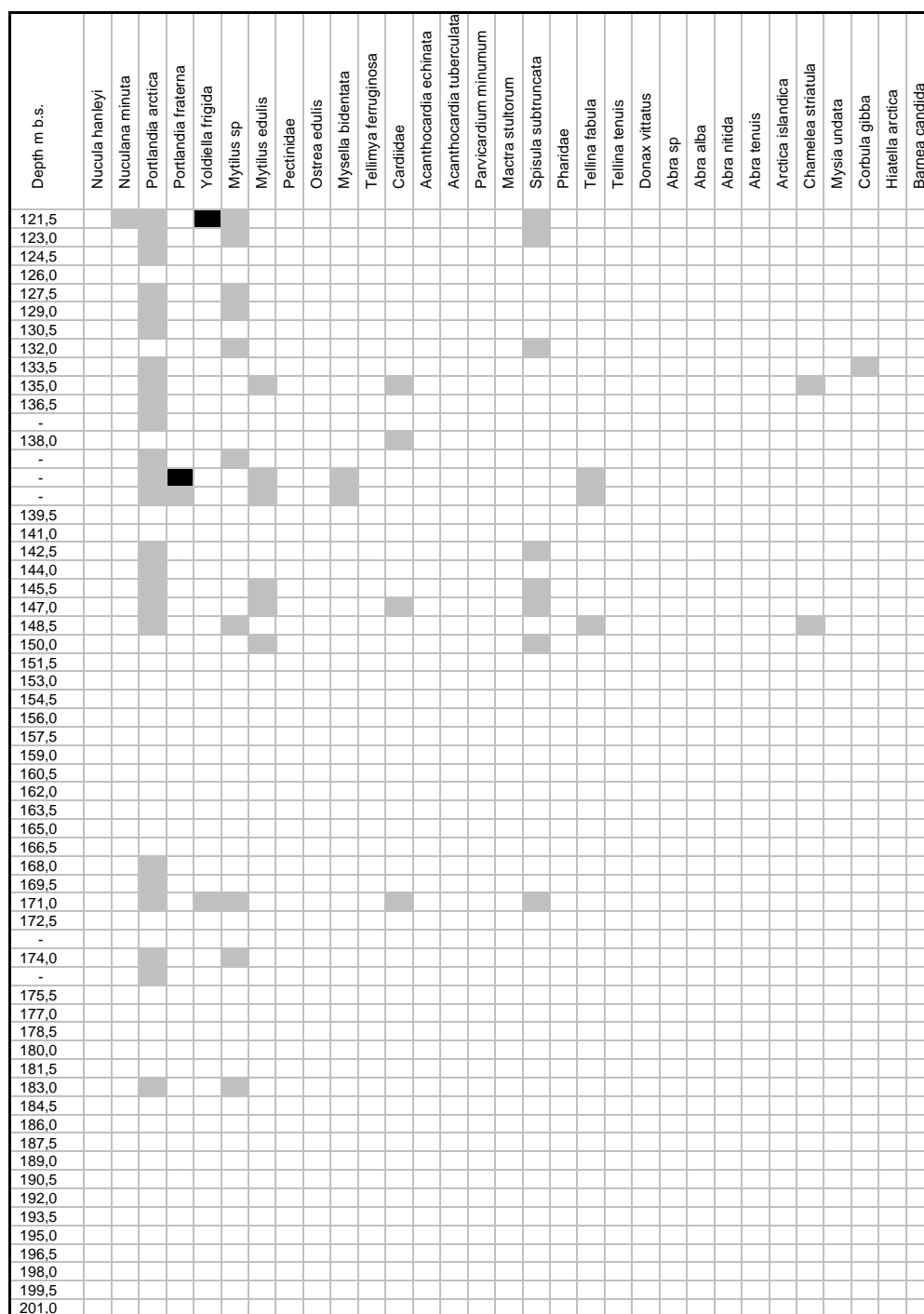
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Depth m b.s.	Top	Base	Locality	Lab.no.	Shell >0.5mm %	Analysis	No. of Species	Pyrite	Reworked	Cirripeds	Spatangoids	Ophiuroids	Fish	Other Fossils	Concretions	Onoba vitrea	Turritella communis	Aporrhais pespelecani	Lunata alderi	Colus sp	Hinia pygmaea	Hinia reticulata	Oenopota turricula	Mangelia brachystoma	Epitonium trevelyanum	Acilis minor	Melanella lubrica	Melanella frielei	Vitreolina philippii	Brachystomia albella	Opistobranchia	Retusa truncatula	Scaphopoda	Siphonodentalium lobatum	Nucula sp			
0,0	0,0	30,0	Skagen 3	77,93	7,7	M	10																															
-	0,0	3,0	Skagen 3	193,93	55,8	M	1																															
1,5																																						
3,0	3,0	6,0	Skagen 3	194,93	42,9	M	1																															
4,5																																						
6,0	6,0	9,0	Skagen 3	195,93	38,5	M	3																															
7,5																																						
9,0	9,0	12,0	Skagen 3	207,93	63,2	M	10																															
10,5																																						
12,0	12,0	15,0	Skagen 3	208,93	34,5	M	7																															
13,5																																						
15,0	15,0	18,0	Skagen 3	209,93	30,7	M	4																															
16,5																																						
18,0	18,0	21,0	Skagen 3	210,93	33,8	M	12																															
19,5																																						
21,0	21,0	24,0	Skagen 3	211,93	42,8	M	4																															
22,5																																						
24,0	24,0	27,0	Skagen 3	212,93	24,4	M	5																															
25,5																																						
27,0	27,0	30,0	Skagen 3	214,93		M	0																															
-	27,0	30,0	Skagen 3	213,93	19,8	M	0																															
-	27,0	30,0	Skagen 3	214,93	3,7	M	11																															
28,5																																						
30,0	30,0	31,5	Skagen 3	79,93		M	11																															
31,5	31,5	33,0	Skagen 3	80,93		M	9																															
33,0	33,0	34,5	Skagen 3	81,93		M	7																															
34,5	34,5	36,0	Skagen 3	82,93		M	5																															
36,0	36,0	37,5	Skagen 3	84,93		M	8																															
37,5	37,5	39,0	Skagen 3	85,93		M	4																															
39,0	39,0	40,5	Skagen 3	86,93	1,5	M	3																															
40,5	40,5	42,0	Skagen 3	87,93	2,5	M	6																															
42,0	42,0	43,5	Skagen 3	88,93	1,3	M	6																															
43,5	43,5	45,0	Skagen 3	89,93		M	2																															
45,0	45,0	46,5	Skagen 3	90,93		M	1																															
46,5	46,5	48,0	Skagen 3	91,93		M	5																															
48,0																																						
49,5	49,5	51,0	Skagen 3	92,93	5,4	M	5																															
51,0	51,0	52,5	Skagen 3	93,93		M	3																															
52,5	52,5	54,0	Skagen 3	94,93		M	6																															
54,0	54,0	55,5	Skagen 3	95,93	2,7	M	4																															
55,5	55,5	57,0	Skagen 3	96,93		M	0																															
57,0	57,0	58,5	Skagen 3	97,93		M	7																															
58,5	58,5	60,0	Skagen 3	98,93	0,9	M	11																															
60,0	61,0	61,5	Skagen 3	99,93		M	5																															
61,5	61,5	63,0	Skagen 3	100,93	4,7	M	5																															
63,0	63,0	64,5	Skagen 3	101,93		M	3																															
64,5	64,5	66,0	Skagen 3	102,93		M	2																															
66,0																																						
67,5	67,5	69,0	Skagen 3	103,93		M	3																															
69,0	69,0	70,5	Skagen 3	104,93		M	3																															
70,5	70,5	72,0	Skagen 3	105,93		M	3																															
72,0	72,0	73,5	Skagen 3	106,93		M	9																															
73,5	73,5	75,0	Skagen 3	107,93		M	9																															
75,0	75,0	76,5	Skagen 3	108,93		M	6																															
76,5	76,5	78,0	Skagen 3	109,93		M	1																															
78,0	78,0	79,5	Skagen 3	110,93		M	4																															
79,5	79,5	81,0	Skagen 3	111,93	4,2	M	5																															
81,0	81,0	82,5	Skagen 3	112,93	6,3	M	4																															
82,5																																						
84,0	84,0	85,5	Skagen 3	113,93		M	3																															
85,5	85,5	87,0	Skagen 3	114,93		M	0																															
87,0	87,0	88,5	Skagen 3	115,93		M	3																															
88,5	88,5	90,0	Skagen 3	116,93		M	0																															
90,0	90,0	91,5	Skagen 3	117,93		M	2																															
91,5	91,5	93,0	Skagen 3	118,93		M	0																															
93,0	93,0	94,5	Skagen 3	119,93																																		





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### Legend

- Occurrence
- First occurrence among the molluscs of each species