

Supplementary file S1 Radiocarbon ages from Lammefjorden, Denmark.

Core/ site	Latitude °N	Long. °E	Laboratory number	Material	Depth <sup>1</sup> (m)	Age ( <sup>14</sup> C years BP) <sup>2</sup>	Cal. age (years BP) <sup>3</sup>	Ref.
197.670 <sup>4</sup>	55.787	11.447	Beta-479024	<i>Mytilus edulis</i>	13.64	2780 ± 30	2384–2665	a
197.671	55.789	11.445	Ua-57466	<i>Dryas, Betula nana</i>	26.75	12 070 ± 40	13 772–14 067	a
197.672	55.792	11.439	Beta-479023	<i>Mytilus edulis</i>	10.45	3050 ± 30	2741–2900	a
197.677	55.782	11.437	Beta-479025	<i>Cerastoderma</i>	15.60	2400 ± 30	1936–2125	a
197.679	55.776	11.451	Beta-479027	<i>Mytilus edulis</i>	3.45	3300 ± 30	3024–3242	a
197.679	55.776	11.451	Beta-479026	<i>Ostrea edulis</i>	3.95	4320 ± 30	4360–4545	a
A	55.797	11.441	AAR-29734	<i>Ostrea edulis</i>	5.5	5767 ± 37	6091–6279	a
A	55.797	11.441	AAR-29738	<i>Scirpus, Cladium</i>	6.0	7949 ± 36	8648–8980	a
A	55.797	11.441	AAR-29735	<i>Pinus</i> root	6.5	8809 ± 38	9683–10 135	a
A	55.797	11.441	AAR-29736	<i>Pinus</i> bark	7.0	9168 ± 38	10 237–10 479	a
A	55.797	11.441	AAR-29737	<i>Phragmites</i> stems	7.0	9411 ± 42	10 522–10 744	a
B	55.796	11.441	AAR-29739	<i>Pinus</i> bark	7.0	8765 ± 36	9606–9907	a
Toftevang	55.794	11.531	K-5995	<i>Cerastoderma</i>	0.9	5870 ± 90	6494–6942	b
Toftevang	55.794	11.531	K-5996	Wood fragments	0.1	6450 ± 75	7246–7507	b
Storø	55.783	11.500	K-5308	Roots of trees	3.10	7180 ± 110	7758–8206	b
Storø	55.783	11.500	K-5324	Charcoal	2.95	7100 ± 80	7727–8054	b
Gislinge	55.756	11.554	K-5383	Charcoal	1.9	6570 ± 105	7271–7618	b
Afvandingsk.	55.57	11.59	K-3781	<i>Quercus</i> stem	c. 10	6970 ± 105	7613–7975	c

<sup>1</sup> Depth below sea level. <sup>2</sup> Radiocarbon ages are reported in conventional radiocarbon years BP (before present = 1950; Stuiver & Polach (1977)). <sup>3</sup> Calibration to calendar years BP (2 sigma) is according to the INTCAL13 and MARINE13 data (Reimer *et al.* 2013).

<sup>4</sup> Core numbers 197.xx refer to the Jupiter database (<http://www.geus.dk/produkter-ydelser-og-faciliteter/data-og-kort/national-boringsdatabase-jupiter/>). The location of the dated samples appear from Fig. 2. References. a: this study, b: Tauber 1990; Christensen 1994; Christensen & Andreasen 1999, c: Niels Bonde unpublished data.