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Maximum extent and readvance dynamics of the Irish Sea Ice Stream and Irish Sea Glacier since the Last Glacial Maximum

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SUPPLEMENTARY MATERIAL

SUPPLEMENTARY MATERIAL: D_e VALUES DETERMINED FOR OSL DATING

Table S1. D_e values from OSL dating of sample T4ABMW01.

D _e (Gy)	D _e Uncertainty (Gy)	Net T _n signal in response to 9.5 Gy (cts/0.1 s)
10.76	4.71	55
28.03	2.93	560
74.46	17.12	79
98.72	21.36	370
32.73	5.70	188
48.14	19.23	55
32.30	11.61	61
45.47	20.68	150
33.93	6.72	66
54.50	17.01	57
109.22	10.03	4585
105.25	10.15	257
55.68	6.10	282
42.44	5.01	272
33.28	6.09	137
35.79	3.48	2011
100.06	21.28	75
77.15	15.16	2765
130.95	44.54	120
20.77	7.58	102
94.79	21.70	54
69.07	13.16	80
46.45	5.08	972
46.42	14.27	175
39.60	4.74	412
45.55	3.58	511
19.80	2.50	351
67.70	8.37	130
52.93	49.72	582
106.55	31.68	114
103.08	63.75	52
118.18	26.30	95
40.29	3.68	399
88.52	9.07	289
108.20	32.38	55
59.05	9.31	104
295.38	30.35	169
68.76	5.58	468

39.70	1.79	8563
114.20	23.74	76
21.37	5.09	65
65.89	11.96	217
56.11	10.31	91
89.41	13.56	197
40.41	6.37	125
79.54	11.16	213
96.38	29.24	71
99.36	3.57	9213

Table S2 D_e values from OSL dating of sample T4BANC01.

D _e (Gy)	D _e Uncertainty (Gy)	Net T _n signal in response to 13.0 Gy (cts/0.1 s)
94.18	53.54	133
113.21	15.10	766
282.51	37.13	1,180
169.72	17.14	4,918
99.66	17.16	150
308.70	19.08	14,962
249.58	50.80	515
38.69	5.66	458
136.34	20.00	510
102.93	13.81	516
36.32	9.88	156
27.08	7.28	95
255.19	23.46	3,732
129.34	9.66	7,199
119.42	17.28	908
244.72	47.64	485
138.74	18.56	1,174
39.35	4.36	770
23.60	1.18	4,301
74.98	22.72	133
162.64	8.67	15,993
212.32	20.45	21,057
125.19	14.20	3,602
155.49	34.94	1,689
183.57	37.63	234
17.13	2.15	263
172.37	20.93	2,372
193.91	19.74	3,375
44.58	8.97	108
142.53	12.31	3,564
119.99	24.29	394
53.17	10.83	185
108.29	35.71	370
107.22	19.37	1,750
30.13	6.42	484
44.05	9.22	167
8.06	2.92	31
132.64	21.11	1,072
159.40	9.99	6,662
70.12	17.69	278
147.22	31.69	898
143.92	25.48	419
61.48	23.94	67

264.73	42.16	1,669
19.94	4.25	36
66.69	28.60	106
178.03	42.68	286
154.37	17.31	1,135
103.79	19.09	370
118.47	31.54	247
35.83	5.73	213
35.93	13.44	167
123.03	43.78	456
144.79	19.81	887
36.32	7.70	2,061
164.57	11.46	14,682
63.34	31.58	135
68.46	22.43	135
144.91	30.74	332
19.16	1.69	1,086
145.13	35.78	348
115.70	13.48	5,018
21.23	3.91	317

Table S3. D_e values from OSL dating of sample T4BANC02.

D _e (Gy)	D _e Uncertainty (Gy)	Net T _n signal in response to 13.0 Gy (cts/0.1 s)
107.26	44.74	1016
50.69	22.11	39
61.28	13.47	90
40.67	6.01	232
87.73	13.50	117
93.90	17.84	76
37.57	2.58	2887
59.27	13.47	76
46.21	3.76	694
169.69	48.98	673
59.43	13.32	70
83.44	16.46	66
51.67	12.66	43
96.14	13.10	220
29.07	13.73	406
27.95	2.08	6351
72.38	16.47	49
58.82	14.38	103
98.76	24.69	94
69.58	15.40	49
105.24	9.21	704
78.44	18.10	151
31.07	8.36	155
133.24	38.49	45
138.12	11.21	1164
31.65	5.57	644
170.95	33.25	559
229.21	41.65	2296
201.90	48.96	37
118.71	10.70	501
89.17	13.85	127
265.22	96.82	62
276.65	45.51	930
326.26	36.42	215
146.75	10.64	486
161.70	13.43	355
31.35	6.69	96
41.02	10.21	64
123.11	27.61	91
160.82	13.16	254
60.09	18.79	48
27.32	4.33	599
114.94	30.92	45

161.50	54.09	76
181.56	52.22	46
99.67	10.18	266
199.81	35.82	61
175.40	23.55	111
137.74	25.77	161
56.35	19.67	373
66.93	8.56	829
53.27	6.38	475
192.90	12.43	547
135.78	30.66	130
128.62	23.23	108
144.80	14.72	314

Table S4. D_e values from OSL dating of sample T4TONF01.

D_e (Gy)	D_e Uncertainty (Gy)	Net T_n signal in response to 9.5 Gy (cts/0.1 s)
44.70	13.79	39
50.95	12.16	47
47.59	11.90	316
17.62	6.77	39
56.59	12.10	65
35.83	7.76	84
91.02	23.12	68
56.17	42.39	86
66.99	8.42	75
90.55	18.66	51
37.38	10.11	54
54.13	19.98	236
40.54	4.87	52
46.66	8.61	426
22.88	5.99	58
15.96	2.24	347
74.92	12.13	78
82.17	37.15	562
109.66	38.17	428
62.75	9.59	98
47.83	9.77	84
63.04	7.23	182
67.45	5.61	258
42.05	8.67	79
37.43	4.46	224
59.46	8.35	107
73.51	54.09	48
49.48	3.22	669
24.11	6.20	62
37.34	4.72	221
30.15	4.52	369
42.72	20.82	37
57.40	11.43	76