

[Online supplementary material]

Farming and foraging in Neolithic Ireland: an archaeobotanical perspective

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Table S1. Locations, chronology and references for sites with recorded plant remains from Neolithic Ireland; see also the Cultivating Societies project website (Cultivating Societies n.d.) to access a version of the archaeobotanical database.

Figure 1	County	Townland/site name	Chronology	References	Notes
1, 2	Londonderry	Enagh, sites 2 & 3	EN II, MN II	MCSPARRON, C. 2003. The excavation of a Neolithic house and other structures at Enagh, Co. Derry. <i>Ulster Journal of Archaeology</i> 62: 1–15.	
3	Londonderry	Gransha, sites 11 & 12	EN II	CHAPPLE, R.M. 2008. The excavation of Early Neolithic and Early Bronze Age sites at Oakgrove, Gransha, County Londonderry. <i>Ulster Journal of Archaeology</i> 67: 22–59.	
4	Londonderry	Caw, area 4	EN II	BOWEN, P. 2007. Archaeological excavations at Caw, Waterfoot, Co. Derry. Report prepared for ADS Ltd.	
5	Tyrone	Ballynagilly, The Corbie	EN II	APSIMON, A. 1969. An Early Neolithic house in Co. Tyrone. <i>Journal of the Royal Society of Antiquaries of Ireland</i> 99: 165–68. – 1971. Ballynagilly. <i>Current Archaeology</i> 24: 11–13. – 1976. Ballynagilly and the beginning and end of the Irish Neolithic, in S.J. de Laet (ed.) <i>Acculturation and continuity in Atlantic Europe mainly during the Neolithic period and Bronze Age</i> : 15–30. Brugge: De Tempel.	
6, 7	Down	Ballintaggart, areas 1 & 2	EN II, LN	CHAPPLE, R.M., C. DUNLOP, S. GILMORE & L. HEANEY. 2009. <i>Archaeological investigations along the A1 Dualling Scheme, Loughbrickland to Beech</i>	

Hill, Co. Down, N. Ireland (2005) (British Archaeological Reports British series 479). Oxford: Archaeopress.

8, 9	Sligo	Magheraboy, sites 2B & 2C	EN II	<p>DANAHER, E. 2007. <i>Monumental beginnings: the archaeology of the N4 Sligo Inner Relief Road</i> (NRA Scheme Monographs 1). Dublin: National Roads Authority.</p> <p>DANAHER, E. & L. CAGNEY. 2005. Report on the archaeological excavation of an Early Neolithic causewayed enclosure at area 2C, Magheraboy, Sligo. Excavation report prepared for ACS Ltd.</p> <p>O'NEILL, T. 2005. Report on the archaeological excavation of an Early Medieval enclosure and Early Neolithic enclosure ditch with associated features at area 2B, Magheraboy, Sligo. Report prepared for ACS Ltd.</p>	<p>Two excavations undertaken at this site. EN I ¹⁴C dates are associated with the ditch at Magheraboy (based upon charcoal). The non-wood plant macro-remains were recovered only from the interior of the causewayed enclosure, where activity was dated to the EN II period.</p>
10	Sligo	Rathdooney Beg	EN II	<p>MOUNT, C. 1999. Excavation and environmental analysis of a Neolithic mound and Iron Age barrow cemetery at Rathdooney Beg, County Sligo, Ireland. <i>Proceedings of the Prehistoric Society</i> 65: 337–71.</p>	
11	Mayo	Ballyglass	EN II	<p>Ó'NUALLÁIN, S. 1972. A Neolithic house at Ballyglass, near Ballycastle, Co. Mayo. <i>Journal of the Royal Society of Antiquaries of Ireland</i> 102: 49–57.</p> <p>Ó'NUALLÁIN, S. & S. GREENE. In press. <i>Excavation of the centre-court tomb and</i></p>	

underlying house site at Ballyglass, Co. Mayo (Seandálaíocht Monograph 3). Dublin: University College Dublin, School of Archaeology.

12	Mayo	Gortaroe, site 2	EN II	GILLESPIE, R. 2002. Neolithic house at Gortaroe, Westport, Co. Mayo. <i>Archaeology Ireland</i> 16: 7.	
13	Monaghan	Monanny, site 1	EN II	WALSH, F. 2009. N2 Carrickmacross-Aclint road re-alignment, site 110: Monanny 1, final report. Report prepared for IAC Ltd.	Oat grains ¹⁴ C dated to the post-medieval period.
14	Louth	Haggardstown, site 13	EN II	MCLOUGHLIN, G. 2009. Archaeological excavation at Haynestown-Haggardstown, Dundalk, Co. Louth, site 13: Haggardstown. Report prepared for IAC Ltd.	
15	Meath	Drumbaragh, site 1	LN	DANAHER, E. & R. O'HARA. 2008. Report on the archaeological excavation of Drumbaragh 1, Co. Meath. Report prepared for ACS Ltd.	
16, 17, 18, 19, 20	Meath	Knowth	EN II, MN II, LN, NEO	EOGAN, G. 1984. <i>Excavations at Knowth 1: smaller passage tombs, Neolithic occupation and Beaker activity</i> . Dublin: Royal Irish Academy. – 1991. Prehistoric and Early Historic culture change at Brugh na Bóinne. <i>Proceedings of the Royal Irish Academy</i> 91C: 105–32. EOGAN, G. & H. ROCHE. 1997. <i>Excavations at Knowth 2: settlement and ritual sites of the fourth and third millennia BC</i> . Dublin: Royal Irish Academy. – 1998. Further habitation evidence for	Early Western Neolithic Complex: new 'Cultivating Societies' dates revealed that cereals from this site dated to both the EN II and early medieval/medieval periods. Grooved Ware Complex: cereals from this site dated as part of the 'Cultivating Societies' project were not Neolithic (instead reflecting later activity), but the dated wild plant remains were confirmed LN; further ¹⁴ C dating

				Neolithic habitation at Knowth, Co. Meath. <i>Ríocht na Midhe</i> 9: 1–9.	is required to establish if any of the cereals from this site are actually Neolithic. Later Western Neolithic Complex: this multiple palisade is the only examined site that has not been directly ¹⁴ C dated. Given the site’s location, stratigraphy and artefactual assemblage, however, it has been assigned to the NEO category.
21	Louth	Townleyhall, site 2	NEO	EOGAN, G. 1963. A Neolithic habitation-site and megalithic tomb in Townleyhall Townland, Co. Louth. <i>Journal of the Royal Society of Antiquaries of Ireland</i> 93: 37–81. GROGAN E. 1991. Appendix: Radiocarbon dates from Brugh na Bóinne, 126–32, in G. Eogan, prehistoric and Early Historic culture change at Brugh na Bóinne. <i>Proceedings of the Royal Irish Academy</i> ⁹¹ C: 105–32.	The ¹⁴ C date range from this site spans more than 800 years (BM-170: 4680±150 BP, 3774–2944 cal BC). This site is therefore considered under the NEO category.
22	Meath	Newgrange	MN II	O’KELLY, M.J. 1982. <i>Newgrange: archaeology, art and legend</i> . London: Thames & Hudson.	

23, 24	Meath	Castletown Tara, sites 1 & 2	LN, NEO	<p>ELDER, S.D. 2009. Report on the archaeological excavation of Castletown Tara 1, Co. Meath. Report prepared for ACS Ltd.</p> <p>ELDER, S.D. 2009. Report on the archaeological excavation of Castletown Tara 2, Co. Meath. Report prepared for ACS Ltd.</p>	<p>Castletown Tara, Site 1: previous ¹⁴C dates indicated LN activity; new 'Cultivating Societies' dates indicate that MN I activity was also taking place at this location. The date for this site has therefore been reassigned as NEO. New "Cultivating Societies" dates also revealed the presence of early medieval/medieval cereals. Pea remains were also dated to the medieval period (UBA-14682: 374±28 BP, cal AD 1447–1631). Cereals from MN I deposits at this site that were dated as part of the 'Cultivating Societies' project were not Neolithic (instead reflecting later activity), but the dated wild plant remains were confirmed as MN I; further ¹⁴C dating is required to establish if any of the cereals from MN I deposits at this site are actually Neolithic. Oat grains proved to be early medieval (UBA-14784: 1077±23 BP, cal AD 896–1017).</p>
25, 26	Meath	Lismullin, site 1	EN II, MN I	<p>O'CONNELL, A. 2009. Report on the archaeological excavation of Lismullin 1, Co. Meath. Report prepared for ACS Ltd.</p>	<p>Cereals from MN I deposits at this site that were dated as part of the 'Cultivating Societies' project were not Neolithic (instead reflecting later activity), but the dated wild plant remains were confirmed as MN I; further ¹⁴C dating is required to establish if any of the cereals from MN I deposits at this site are actually Neolithic. Oat grains proved to be early medieval (UBA-14784: 1077±23 BP, cal AD 896–1017).</p>

27	Meath	Clowanstown, site 1	EN II	MOSSOP, M. & E. MOSSOP. 2009. Report on the archaeological excavation of Clowanstown 1, Co. Meath. Report prepared for ACS Ltd.	New 'Cultivating Societies' dates revealed that Mesolithic deposits at this site contained EN II cereals. The presence of definite EN II flax at Clowanstown 1, Co. Meath, as established by the 'Cultivating Societies' dating programme (UBA-14733: 5003±32 BP, 3942–3701 cal BC), is the earliest definite plant macro-remains evidence for flax in Ireland
28	Dublin	Kilgobbin, Areas 3 & 6	EN II	HAGEN, I. 2004. Archaeological excavations interim report, phase 3 development, Kilgobbin, Co. Dublin. Excavation report prepared for Margaret Gowen & Co. Ltd.	New 'Cultivating Societies' dates revealed that cereals dated to EN II and early medieval/medieval periods.
29	Dublin	Carrickmines Great	MN I	Ó'DRISCEOIL, C. 2006. A Neolithic disc-bead necklace from Carrickmines Great, Co. Dublin. <i>Journal of the Royal Society of Antiquaries of Ireland</i> 136: 141–56.	
30	Kildare	Cherryville, site 7	EN II	BREEN, T. 2008. Kildare Town Bypass: archaeological resolution of a burnt spread, final report, 01E0479, site 7, Cherryville Townland, Co. Kildare. Report prepared for Valerie J. Keeley Ltd.	
31	Wicklow	Pinnacle, Coolinarrig Upper and Tuckmill Hill, Baltinglass Hill	MN I	WALSHE, P.T. 1941. The excavation of a burial cairn on Baltinglass Hill, Co. Wicklow. <i>Proceedings of the Royal Irish Academy</i> ⁴⁶ C: 221–36.	Baltinglass tomb. Activity at this site spans the Neolithic period. New 'Cultivating Societies' dating of cereal remains indicates that they are MN I in date (UBA-14812: 4718±26 BP, 3632–3376

cal BC; UBA-14813: 4729±27
BP, 3635–3377 cal BC).

32	Carlow	Russellstown	EN II	O'CONNELL, T.J. 2009. Final report on archaeological investigations at Site E2571, in the townland of Russellstown, Co. Carlow. Excavation report prepared for Headland Archaeology Ltd.
33	Carlow	Busherstown, area 6	EN II	O'NEILL, N. 2009. Final report on archaeological investigations, NMS Number E2581, in the townland of Busherstown, Co. Carlow. Excavation report prepared for Headland Archaeology Ltd.
34, 35	Carlow	Ballybannon	MN I	BREEN, G., D. KOZLOWSKA & L. CLARK. 2009. Final report on archaeological investigations at site E2612, in the townland of Ballybannon, Co. Carlow. Report prepared for Headland Archaeology Ltd. O'CONNELL, T.J. 2009. Final report on archaeological investigations at site E2610, in the townland of Ballybannon, Co. Carlow. Report prepared for Headland Archaeology Ltd.
36	Wexford	Kerloge, sites 3 & 5	MN I	MCLOUGHLIN, C. 2003. Kerloge, Co. Wexford, 02E0606. Report prepared for Stafford McLoughlin Archaeology.

37, 38	Wexford	Harristown Big, areas 1 & 2	EN II, MN II--LN	TIERNEY, M. & P. JOHNSTON. 2006. Final excavation report, Harristown Big, N25 Harristown to Rathskillagh, Co. Wexford. Report prepared for Eachtra Archaeological Projects Ltd.	Charcoal from this site produced an EN I date (Beta-219134: 5150±50 BP, 4046–3799 cal BC), but may reflect the old-wood effect. The site more probably dates to the EN II period.
39	Kilkenny	Newrath, site 35	MN I	WILKINS, B. 2006. Final report on archaeological investigations at site 35 in the townland of Newrath, Co Kilkenny. Report prepared for Headland Archaeology Ltd.	
40	Kilkenny	Granny, site 27	EN II	HUGHES, J. 2006. Final report on archaeological investigations at sites 24–30 in the townland of Granny, Co Kilkenny. Report prepared for Headland Archaeology Ltd.	
41	Tipperary	Kilsheelan, Poulakerry and Cloghcarrigeen East, areas 1 & 2	MN I	DRUM, M. 2007. Archaeological excavation report: Poulakerry, Kilsheelan and Cloghcarrigeen East, Kilsheelan, Clonmel, Co. Tipperary. Report prepared for Eachtra Archaeological Projects Ltd.	
42	Tipperary	Marlfield	MN I	B. Withers (AML Archaeology), <i>pers. comm.</i>	
43	Tipperary	Suttonrath, site 206.1	MN I	MCQUADE, M. 2007. Final report at Suttonrath, N8 Cashel to Mitchelstown Road Improvement Scheme. Report prepared for Margaret Gowen & Co. Ltd.	
44	Tipperary	Caherabbey Upper, site 185.1, area 1	EN II	MOLLOW, B. 2007. Final report: Caherabbey Upper, Co. Tipperary. Report prepared for Margaret Gowen & Co. Ltd.	
45	Tipperary	Lough Feedora, site 173.1	MN II	DOODY, M. 2008. Final report: Lough Feedora, Co. Tipperary. Report prepared for Margaret Gowen & Co. Ltd.	

46	Limerick	Tankardstown South	EN II	<p>GOWEN, M. 1987. Tankardstown, Co. Limerick: a Neolithic house. <i>Archaeology Ireland</i> 1: 6–10.</p> <p>– 1988. House site, in M. Gowen (ed.) <i>Three Irish gas pipelines: new archaeological evidence in Munster</i>: 26–43. Dublin: Wordwell.</p> <p>GOWEN, M. & C. TARBETT. 1988. A third season at Tankardstown. <i>Archaeology Ireland</i> 2: 156.</p>	<p>New ‘Cultivating Societies’ dates revealed that cereals dated to EN II and early medieval/medieval periods. The earliest-dated cereal grain from Ireland derives from Tankardstown South and was dated as part of the ‘Cultivating Societies’ project. The emmer wheat grain comes from a post-pit fill (C.35) in a rectangular house and was dated to 3942–3707 cal BC (UBA-14739: 5013±31 BP). It should be noted that another emmer wheat grain from the same deposit produced a date of 3760–3636 cal BC (UBA-14738: 4890±33 BP).</p>
47	Cork	Pepperhill	EN II	<p>GOWEN M. 1988. Structure and occupation site, in M. Gowen, <i>Three Irish gas pipelines: new archaeological evidence in Munster</i>: 44–51. Dublin: Wordwell.</p>	
48	Cork	Ballinglanna North, site 3	EN II	<p>JOHNSTON, P. & J. TIERNEY. 2010. Archaeological excavation report: two Neolithic structures and two fulachta fiadh. Ballinglanna North 3, Co. Cork. Report prepared for Eachtra Archaeological Projects Ltd.</p>	
49	Cork	Gortore, site 1	EN II	<p>O’DONOGHUE, J. 2006. Final excavation report of a Neolithic house at Gortore, N8 Rathcormac-Fermoy, Co. Cork. Report prepared for Eachtra Archaeological Projects Ltd.</p>	

50	Cork	Curraghprevin, site 3	MN II–LN	O’NEILL, T. 2006. Final report on archaeological excavation of Curraghprevin 3. Report prepared for ACS Ltd.
51	Cork	Barnagore, site 3	EN II	DANAHER, E. 2003. A final report on the archaeological excavation of an Early Neolithic house and three Bronze Age pits at Barnagore, Ballincollig, Co. Cork (licence no. 02E0384). Report prepared for ACS Ltd.
52	Cork	Ballinaspig More, site 5	EN II	DANAHER, E. & L. CAGNEY. 2004. Report on the archaeological excavation of a multi-phased site at Ballinaspig More 5, Ballincollig, Co. Cork. Report prepared for ACS Ltd.

Table S2. Radiocarbon dates and site locations for directly dated cereal grains from Neolithic Ireland.

Lab. ID	Townland/site name	North/south/ east/west (Figure 4)	OSI Eastings	OSI Northings	Date BP	Error	cal BC minimum	cal BC maximum	Cereal grains dated
UBA-14739	Tankardstown South	S	158398	128236	5013	31	-3943	-3707	<i>Triticum dicoccum</i>
OxA-1476	Tankardstown South	S	158398	128236	4890	80	-3942	-3386	<i>Triticum cf. dicoccum</i>
UBA-14796	Monanny	N	284266	305232	5000	29	-3938	-3702	<i>Hordeum</i> sp. (naked)
UBA-14719	Clowanstown	E	295518	257771	4976	35	-3925	-3659	<i>Triticum cf. dicoccum</i>
UBA-14722	Clowanstown	E	295518	257771	4962	37	-3906	-3653	<i>Triticum cf. dicoccum</i>
UBA-14801	Haggardstown	N	305560	303090	4974	30	-3905	-3661	Cerealia
UBA-14805	Russellstown	E	278344	178957	4971	31	-3895	-3659	<i>Triticum cf. dicoccum</i>

UBA-14704	Corbally	E	285000	213000	4971	30	-3895	-3660	<i>Triticum</i> sp.
UBA-14657	Caw	N	245974	418232	4941	43	-3892	-3644	<i>Hordeum</i> sp. (hulled)
UBA-14656	Caw	N	245974	418232	4950	39	-3892	-3649	<i>Triticum</i> <i>/Hordeum</i> sp.
UBA-14780	Tankardstown South	S	158398	128236	4952	38	-3891	-3651	<i>Triticum</i> <i>dicoccum</i>
UBA-14690	Corbally	E	285000	213000	4968	30	-3889	-3661	<i>Triticum</i> sp.
UBA-14787	Cherryville	E	268661	211680	4968	29	-3798	-3661	<i>Hordeum</i> sp.
GrA-13697	Corbally	E	285000	213000	4910	50	-3798	-3542	<i>Triticum</i> sp.
UBA-14725	Clowanstown	E	295518	257771	4935	42	-3794	-3644	<i>Triticum</i> cf. <i>dicoccum</i>
OxA-1477	Tankardstown South	S	158398	128236	4840	80	-3793	-3377	<i>Triticum</i> cf. <i>dicoccum</i>
UBA-14737	Tankardstown South	S	158398	128236	4958	30	-3792	-3659	<i>Triticum</i> <i>dicoccum</i>
GrA-13700	Corbally	E	285000	213000	4900	50	-3792	-3539	<i>Triticum</i> sp.
UB-8571	Ballyglass	W	109633	338193	4948	32	-3786	-3655	Cerealial
UBA-14800	Haggardstown	N	305560	303090	4949	30	-3786	-3656	<i>Triticum</i> <i>dicoccum</i>
UBA-14742	Tankardstown South	S	158398	128236	4947	30	-3782	-3656	Cerealial
UBA-14729	Clowanstown	E	295518	257771	4947	30	-3782	-3656	<i>Triticum</i> cf. <i>dicoccum</i>
UBA-13078	Ballintaggart	N	310953	340311	4919	40	-3778	-3642	<i>Triticum</i> sp.
UBA-14653	Caw	N	245974	418232	4920	39	-3777	-3642	<i>Triticum</i> cf. <i>dicoccum</i>
UBA-14721	Clowanstown	E	295518	257771	4939	30	-3777	-3653	<i>Triticum</i> cf. <i>dicoccum</i>
GrA-13702	Corbally	E	285000	213000	4880	50	-3777	-3534	<i>Triticum</i> sp.
GrN-24212	Corbally	E	285000	213000	4885	45	-3776	-3537	Unknown
UBA-14794	Monanny	N	284266	305232	4935	30	-3775	-3652	<i>Triticum</i> <i>dicoccum</i>

UBA-14795	Monanny	N	284266	305232	4941	28	-3775	-3655	<i>Triticum dicoccum</i>
UBA-14728	Clowanstown	E	295518	257771	4926	33	-3772	-3648	<i>Triticum cf. dicoccum</i>
UBA-14703	Corbally	E	285000	213000	4934	28	-3772	-3653	<i>Triticum sp.</i>
UBA-14683	Granny	E	257840	115440	4926	33	-3772	-3648	<i>Triticum sp.</i>
UBA-14797	Monanny	N	284266	305232	4939	26	-3771	-3656	Cerealia
UBA-14743	Tankardstown South	S	158398	128236	4923	33	-3771	-3647	<i>Triticum sp.</i>
UBA-14731	Clowanstown	E	295518	257771	4923	31	-3768	-3648	<i>Triticum cf. dicoccum</i>
UBA-14651	Caw	N	245974	418232	4907	39	-3767	-3640	<i>Triticum cf. dicoccum</i>
UBA-14686	Granny	E	257840	115440	4918	32	-3766	-3645	Cerealia
UBA-14684	Granny	E	257840	115440	4911	32	-3766	-3642	<i>Triticum cf. dicoccum</i>
UBA-14740	Tankardstown South	S	158398	128236	4899	37	-3766	-3637	<i>Triticum cf. dicoccum</i>
UBA-14712	Corbally	E	285000	213000	4918	30	-3766	-3646	<i>Triticum sp.</i>
UBA-14654	Caw	N	245974	418232	4880	39	-3764	-3539	<i>Triticum cf. dicoccum</i>
UBA-14702	Corbally	E	285000	213000	4914	30	-3764	-3644	<i>Triticum dicoccum</i>
UBA-14655	Caw	N	245974	418232	4880	39	-3764	-3539	<i>Triticum sp.</i>
UBA-14687	Corbally	E	285000	213000	4893	34	-3762	-3637	cf. <i>Triticum sp.</i>
UBA-14730	Clowanstown	E	295518	257771	4899	33	-3762	-3638	<i>Triticum cf. dicoccum</i>
UBA-10043	Gransha	N	246070	419930	4914	26	-3761	-3645	<i>Hordeum sp.</i> (naked)
UBA-14727	Clowanstown	E	295518	257771	4906	29	-3761	-3640	<i>Triticum cf. dicoccum</i>
UBA-14734	Tankardstown South	S	158398	128236	4895	33	-3761	-3637	<i>Triticum dicoccum</i>

UBA-14735	Tankardstown South	S	158398	128236	4897	32	-3761	-3637	<i>Triticum dicoccum</i>
UBA-14738	Tankardstown South	S	158398	128236	4890	33	-3761	-3636	<i>Triticum dicoccum</i>
UBA-14736	Tankardstown South	S	158398	128236	4891	31	-3749	-3637	<i>Triticum dicoccum</i>
UBA-14685	Granny	E	257840	115440	4884	32	-3713	-3635	Cerealia
UBA-14652	Caw	N	245974	418232	4861	39	-3712	-3531	<i>Triticum cf. dicoccum</i>
UBA-14664	Knowth	E	299684	273431	4877	34	-3712	-3540	<i>Triticum dicoccum</i>
UBA-14786	Cherryville	E	268661	211680	4877	32	-3711	-3543	<i>Triticum cf. dicoccum</i>
UBA-14708	Corbally	E	285000	213000	4896	28	-3711	-3638	<i>Triticum dicoccum</i>
UBA-14726	Clowanstown	E	295518	257771	4860	38	-3710	-3532	<i>Triticum cf. dicoccum</i>
UBA-10039	Gransha	N	246070	419930	4831	49	-3709	-3389	<i>Triticum sp.</i>
UBA-14788	Pepperhill	S	152586	108182	4892	28	-3708	-3640	Cerealia
UBA-13075	Ballintaggart	N	310953	340311	4898	25	-3708	-3643	<i>Triticum sp.</i>
GrA-21213	Corbally	E	285000	213000	4840	45	-3708	-3522	Unknown
UBA-14802	Russellstown	E	278344	178957	4866	31	-3706	-3541	<i>Triticum cf. dicoccum</i>
UBA-14710	Corbally	E	285000	213000	4836	45	-3706	-3522	<i>Triticum dicoccum</i>
UBA-13077	Ballintaggart	N	310953	340311	4897	24	-3706	-3644	<i>Triticum sp.</i>
UBA-14714	Corbally	E	285000	213000	4884	29	-3706	-3638	<i>Triticum sp.</i>
UBA-10038	Gransha	N	246070	419930	4851	36	-3706	-3532	<i>Triticum sp.</i>
UBA-14408	Caherabbey Upper	S	204163	126059	4856	30	-3705	-3537	<i>Triticum cf. dicoccum</i>
UBA-14803	Russellstown	E	278344	178957	4895	23	-3705	-3644	<i>Triticum cf. dicoccum</i>

UBA-14701	Corbally	E	285000	213000	4864	29	-3705	-3542	<i>Triticum dicoccum</i>
UBA-14709	Corbally	E	285000	213000	Dear Chris	31	-3705	-3536	<i>Triticum dicoccum</i>
UBA-14663	Knowth	E	299684	273431	4863	28	-3704	-3543	<i>Triticum dicoccum</i>
UBA-14409	Caherabbey Upper	S	204163	126059	4850	29	-3702	-3536	<i>Triticum cf. dicoccum</i>
UBA-14403	Kerloge	E	305205	119080	4883	26	-3702	-3640	<i>Triticum sp.</i>
UBA-14406	Caherabbey Upper	S	204163	126059	4849	28	-3701	-3536	<i>Triticum cf. dicoccum</i>
UBA-13076	Ballintaggart	N	310953	340311	4880	24	-3700	-3640	<i>Triticum sp.</i>
UBA-14752	Castletown Tara 1	E	292003	261818	4847	30	-3699	-3536	<i>Triticum cf. dicoccum</i>
UBA-13079	Ballintaggart	N	310953	340311	4839	34	-3699	-3529	<i>Triticum sp.</i>
Beta-247172	Drumbaragh 1	E	269442	275667	4830	40	-3698	-3523	<i>Hordeum sp.</i>
UBA-14667	Knowth	E	299684	273431	4856	26	-3697	-3541	<i>Triticum dicoccum</i>
UBA-14749	Kilgobbin	E	318845	224787	4822	44	-3697	-3520	<i>Triticum sp.</i>
UBA-14662	Knowth	E	299684	273431	4853	25	-3696	-3539	<i>Triticum dicoccum</i>
UBA-13080	Ballintaggart	N	310953	340311	4845	28	-3696	-3536	<i>Triticum sp.</i>
UBA-14670	Kilsheelan, Poulakerry and Cloghcarigeen East	S	228826	123519	4839	30	-3696	-3532	<i>Triticum sp.</i>
UB-6639	Newrath 35	E	259150	114460	4827	39	-3696	-3523	<i>Triticum sp.</i>
UBA-10041	Gransha	N	246070	419930	4832	32	-3695	-3527	<i>Hordeum sp. (naked)</i>
UBA-14723	Clowanstown	E	295518	257771	4838	29	-3695	-3532	<i>Triticum cf. dicoccum</i>
UBA-14724	Clowanstown	E	295518	257771	4830	29	-3693	-3528	<i>Triticum cf. dicoccum</i>

Poz-11604	Carrickmines Great	E	322287	223772	4820	35	-3692	-3522	<i>Triticum</i> sp.
UBA-14790	Pepperhill	S	152586	108182	4827	28	-3661	-3527	<i>Triticum</i> <i>dicoccum</i>
UBA-14707	Corbally	E	285000	213000	4823	29	-3659	-3526	<i>Triticum</i> <i>dicoccum</i>
UBA-14411	Caherabbey Upper	S	204163	126059	4822	30	-3658	-3526	<i>Triticum</i> cf. <i>dicoccum</i>
UBA-14677	Castletown Tara 1	E	292003	261818	4807	37	-3656	-3520	<i>Triticum</i> cf. <i>dicoccum</i>
UBA-14658	Caw	N	245974	418232	4818	26	-3655	-3528	<i>Hordeum</i> sp. (hulled)
UBA-14748	Kilgobbin	E	318845	224787	4809	33	-3655	-3522	<i>Triticum</i> sp.
UBA-14804	Russellstown	E	278344	178957	4818	25	-3654	-3529	<i>Triticum</i> cf. <i>dicoccum</i>
UBA-14720	Clowanstown	E	295518	257771	4814	29	-3654	-3526	<i>Triticum</i> sp.
GrN-28255	Corbally	E	285000	213000	4770	60	-3653	-3376	Unknown
UBA-14806	Ballybannon	E	271748	170627	4809	30	-3652	-3525	<i>Triticum</i> cf. <i>dicoccum</i>
UBA-14673	Kilsheelan, Poulakerry and Cloghcarigeen East	S	228826	123519	4793	36	-3651	-3518	Cerealial
UBA-14671	Kilsheelan, Poulakerry and Cloghcarigeen East	S	228826	123519	4799	33	-3651	-3521	<i>Triticum</i> sp.
UBA-14798	Newrath 35	E	259150	114460	4809	26	-3651	-3526	<i>Triticum</i> sp.
UBA-14792	Marlfield	S	216417	122022	4800	31	-3650	-3522	<i>Triticum</i> cf. <i>dicoccum</i>
UBA-14404	Kerloge	E	305205	119080	4799	31	-3649	-3522	<i>Triticum</i> <i>dicoccum</i>
UBA-14407	Caherabbey Upper	S	204163	126059	4801	28	-3647	-3524	<i>Triticum</i> cf. <i>dicoccum</i>
UBA-14672	Kilsheelan, Poulakerry	S	228826	123519	4786	34	-3647	-3389	<i>Triticum</i> sp.

	and Cloghcarigeen East									
UBA-14751	Ballybannon	E	271748	170627	4793	30	-3646	-3521	<i>Triticum</i> cf. <i>dicoccum</i>	
UBA-14676	Castletown Tara 1	E	292003	261818	4776	40	-3646	-3382	<i>Triticum</i> cf. <i>dicoccum</i>	
UBA-14402	Kerloge	E	305205	119080	4796	26	-3645	-3524	<i>Triticum</i> sp.	
UBA-14678	Castletown Tara 1	E	292003	261818	4773	32	-3642	-3384	<i>Triticum</i> cf. <i>dicoccum</i>	
UBA-14405	Kerloge	E	305205	119080	4769	37	-3642	-3383	<i>Triticum</i> <i>dicoccum</i>	
UBA-14809	Suttonrath	S	207724	126029	4789	24	-3641	-3523	<i>Triticum</i> cf. <i>dicoccum</i>	
UBA-14810	Suttonrath	S	207724	126029	4778	26	-3640	-3521	Cerealia	
UBA-14666	Knowth	E	299684	273431	4778	25	-3640	-3521	cf. <i>Triticum</i> sp.	
UBA-14750	Ballybannon	E	271748	170627	4753	30	-3638	-3382	<i>Triticum</i> cf. <i>dicoccum</i>	
UBA-14717	Clowanstown	E	295518	257771	4753	29	-3637	-3383	<i>Triticum</i> cf. <i>dicoccum</i>	
UBA-14799	Newrath 35	E	259150	114460	4754	27	-3637	-3384	<i>Triticum</i> cf. <i>dicoccum</i>	
UBA-14793	Marlfield	S	216417	122022	4747	32	-3636	-3381	<i>Triticum</i> cf. <i>dicoccum</i>	
UBA-14400	Kerloge	E	305205	119080	4739	27	-3635	-3380	<i>Triticum</i> <i>dicoccum</i>	
UBA-14401	Kerloge	E	305205	119080	4743	29	-3635	-3381	<i>Triticum</i> sp.	
UBA-14813	Pinnacle, Coolinarrig Upper and Tuckmill Hill	E	288552	189243	4729	27	-3635	-3377	<i>Triticum</i> sp.	
UBA-13082	Ballyboley	N	338285	409130	4727	30	-3634	-3377	<i>Triticum</i> sp.	
UBA-13087	Ballyboley	N	338285	409130	4723	24	-3633	-3377	<i>Triticum</i> sp.	
UBA-14812	Pinnacle, Coolinarrig	E	288552	189243	4718	26	-3632	-3376	<i>Triticum</i> sp.	

	Upper and Tuckmill Hill									
UBA-14410	Caherabbey Upper	S	204163	126059	4693	43	-3631	-3368	<i>Triticum cf. dicoccum</i>	
UBA-14746	Kilgobbin	E	318845	224787	4696	32	-3630	-3371	<i>Triticum sp.</i>	
UBA-13083	Ballyboley	N	338285	409130	4687	30	-3627	-3370	<i>Hordeum sp.</i>	
UBA-14700	Corbally	E	285000	213000	4658	28	-3518	-3366	<i>Triticum sp.</i>	
UBA-13086	Ballyboley	N	338285	409130	4623	32	-3516	-3348	<i>Triticum sp.</i>	
UBA-14397	Enagh 2	N	246241	420278	4610	31	-3511	-3143	<i>Hordeum sp.</i>	
UBA-14399	Kerloge	E	305205	119080	4617	25	-3500	-3352	<i>Triticum dicoccum</i>	
