

Aged riverine particulate organic carbon in four UK catchments

Jessica L. Adams, Edward Tipping, Charlotte L. Bryant, Rachel C. Helliwell, Hannah Toberman, John Quinton

Table A3.1: Average ^{14}C and standard deviation (SD) for UK soil samples.

Land use	Depth range cm	Average depth cm	Average ^{14}C pMC	SD	Collection year	No. of samples	Reference
Forested	0 - 15	8.1	106.1	6.3	2013	12	unpublished data*
Forested	15 - 40	27.1	91.1	10.3	2013	12	unpublished data*
Semi natural	0 - 15	7.9	102.0	5.6	2013	16	unpublished data*
Semi natural	15 - 40	25.0	84.3	13.8	2013	15	unpublished data*
Improved grassland	0 - 15	8.1	98.5	6.0	2013	20	unpublished data*
Improved grassland	15 - 40	27.1	87.2	11.6	2013	19	unpublished data*
Semi-natural non-forested	0 - 15	7.5	99.2	9.5	2002-2008	97	Mills et al (2014)
Forested	0 - 15	7.5	107.8	6.5	2002-2007	35	Mills et al (2014)
Pasture	0 - 23	11.5	85.5	8.1	1999	12	Jenkinson et al (2008)
Pasture	23 - 46	34.5	83.2	2.6	1999	12	Jenkinson et al (2008)
Pasture	46 - 69	57.5	67.6	6.6	1999	12	Jenkinson et al (2008)
Pasture	69 - 92	80.5	54.4	8.4	1999	12	Jenkinson et al (2008)
Arable	0 - 23	11.5	88.9	5.1	1999	6	Jenkinson et al (2008)
Arable	23 - 46	34.5	76.2	3.3	1999	6	Jenkinson et al (2008)
Arable	46 - 69	57.5	64.0	4.8	1999	6	Jenkinson et al (2008)
Arable	69 - 92	80.5	53.5	5.6	1999	4	Jenkinson et al (2008)

*H Toberman, JL Adams, E Tipping, CL Bryant

Jenkinson DS, Poulton PR, Bryant C (2008) The turnover of organic carbon in subsoils. Part 1. Natural and bomb radiocarbon in soil profiles from the Rothamsted long-term field experiments. *European Journal of Soil Science* 59, 391–399

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Biogeochemistry 118, 257-272

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