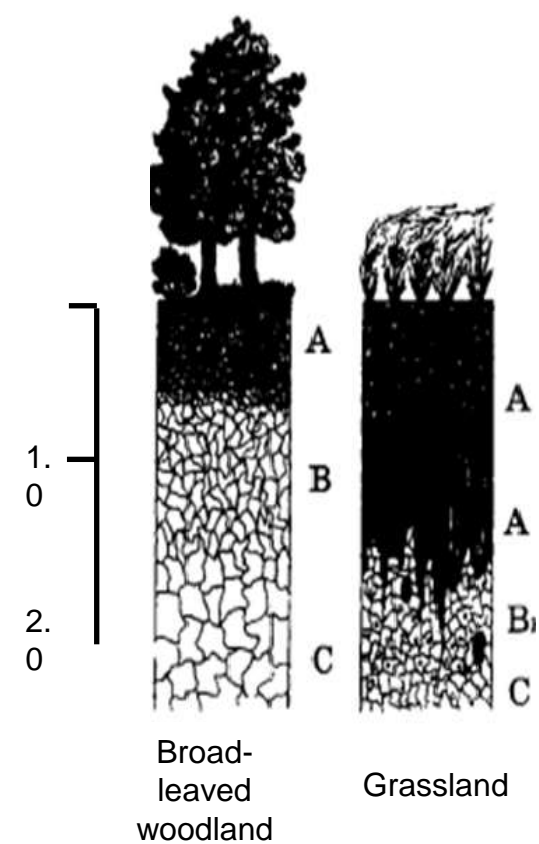


Broad Habitat	Mean C density (t ha ⁻¹)	Area of land use with Floodplains (000 ha)*	Carbon Stock in Floodplains (Tg C)
Arable & horticulture	47.3	246.4	116.5
Improved grassland	67.2	281.3	189.0
Neutral grassland	68.7	21.9	15.0
Broadleaved, mixed and yew woodland	73.0	58.0	42.3
Coniferous woodland	89.8	4.2	3.8
Fen, marsh & swamp	82.8	4.5	3.7



Distribution of humus along the soil profile of different ecosystems (Rozanov, 2004). Dark areas show density and depth of humus.

Species-rich floodplain meadow **109.4 t ha⁻¹**

(Lawson & Gowing, unpublished data)

(Mean carbon density data from the Countryside Survey 2007 reported in Chamberlain *et al.*, 2010). * Estimated area of England and Wales.