

Table 1 Tree species ranked by their ecosystem services delivery as mature trees, in descending order.

Rank	Carbon storage per tree	Gross carbon sequestration per tree	Avoided run-off per tree	Pollution removal per tree
1	Oak spp.	Oak spp.	London plane	London plane
2	London plane	English elm	English elm	English elm
3	English yew	English yew	Oak spp.	Oak spp.
4	Beech	London plane	English yew	Wych elm
5	Sycamore	Beech	Wych elm	Beech
6	Ash	Sycamore	Beech	English yew
7	English Elm	Holm Oak	Lime spp	Lime spp
8	Holm Oak	Ash	Sycamore	Sycamore
9	Wych elm	Wych elm	Norway maple	Norway maple
10	Norway maple	Silver Birch	Ash	Ash
11	Lime spp.	Sweet Cherry	Holm Oak	Holm Oak
12	Hornbeam	Lime spp	Sweet Cherry	Sweet Cherry
13	Silver birch	Norway maple	Hornbeam	Hornbeam
14	Scots pine	Hornbeam	Silver birch	Scots pine
15	Sweet cherry	Scots pine	Scots pine	Silver birch
16	Lawson's cypress	Alder	Lawson's cypress	Lawson's cypress
17	Alder	Rowan	Field maple	Field maple
18	Downy birch	Field maple	Holly	Leyland cypress
19	Field maple	Lawson's cypress	Leyland cypress	Holly
20	Leyland cypress	Hawthorn	Bird cherry	Goat willow
21	Hawthorn	Downy birch	Goat willow	Bird cherry
22	Goat willow	Apple spp.	Rowan	Rowan
23	Apple spp	Leyland cypress	Alder	Alder
24	Holly	Goat willow	Hawthorn	Hawthorn
25	Rowan	Holly	Hazel	Hazel
26	Hazel	Callery pear	Apple spp	Apple spp
27	Callery pear	Hazel	Downy birch	Downy birch
28	Bird cherry	Bird cherry	Callery pear	Callery pear
29	Elder	Plum spp	Plum spp	Plum spp
30	Plum spp	Elder	Elder	Elder

*Note: In the absence of field records for mature English elm, rankings were based on simulated tree data. A comparison of simulated trees and field surveyed trees revealed an overestimation of ecosystem services provision by the simulated trees, therefore, **the ranking of English elm should be treated with caution** (Hand, Doick and Moss, 2019a).*

SMALL	MEDIUM	LARGE
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