

Table S1 - Location and habitat description of study areas in England.

Site ref	Latitude	Longitude	Habitat description	Habitat patch size
S1	50.640	-3.541	Coniferous forest with occasional broadleaved trees and shrubs such as oak, beech and hazel. Bramble and bracken are often abundant	1400 ha
F2	50.686	-3.728		170 ha
S2	50.735	-3.979	Linear belts of broadleaved shrubs and trees often with conifers, scrub, ferns, and bracken that forms part of roadside verge planting along dual carriageway trunk roads or railway corridor, in most cases well connected to other habitat patches in the wider landscape.	2 ha
RS2	50.436	-4.764		3 ha
RS3	50.725	-3.653		3 ha
RS4	50.478	-3.777		12 ha
RS5	50.384	-3.909		4.5 ha
RS6	50.461	-4.694		3.5 ha
RS7	51.02	-1.696		10 ha
RS8	50.501	-4.679		0.9 ha
RW1	50.773	-3.086		4 ha
F3	50.726	-3.942	Mature deciduous woodland consisting of pedunculate and/or sessile oak, ash, sycamore, with occasional rowan, beech, and birch. Bramble and bracken are often abundant.	16 ha
S3	50.725	-4.011		12 ha
S4	50.73	-4.007		7 ha
F4	50.564	-3.651		70 ha
F5	50.606	-3.722	Hazel coppice	40 ha
G1	50.726	-3.947	Gardens planted with native and exotic plant species surrounded by broadleaved woodland and scrub habitats.	2 ha
F6	50.951	-3.074	Early succession scrub with birch and bramble connected to mixed woodland.	>100 ha