Appendix P2

This appendix contains the following tables:

Table S1: Butterfly species analysed and their broadleaved woodland associations

Table S2: Birds species analysed using the BBS survey data and their broadleaved woodland associations

Table S3: Birds species analysed using the CBC survey data and their broadleaved woodland associations

Table S1: Butterfly species analysed and their broadleaved woodland associations. Species were categorised depending on their degree of association with broadleaved woodland: 1 - broadleaved woodland is the species' primary habitat types, 2- species is occasionally found in broadleaved woodland but not the primary habitat type, 3- species is rarely found in broadleaved woodland.

Latin name	Common name	Broadleaved woodland association
Aglais urticae	Small tortoiseshell	2
Anthocaris cardamines	Orange tip	2
Aphantopus hyperantus	Ringlet	2
Argynnis aglaja	Dark green fritillary	2
Argynnis paphia	Silver-washed fritillary	1
Aricia agestis	Brown argus	3
Callophrys rubi	Green hairstreak	2
Celastrina argiolus	Holly blue	2
Coenonympha pamphilus	Small heath	3
Erynnnis tages	Dingy skipper	3
Gonepteryx rhamni	Brimstone	1
Hipparchia semele	Grayling	3
Inachis io	Peacock	2
Lasiommata megara	Wall brown	3
Limenitis camilla	White admiral	1
Lycaena phlaeas	Small copper	3
Maniola jurtina	Meadow brown	2
Melanargia galathea	Marbled white	3
Neozephyrus quercus	Purple hairstreak	1
Ochlodes venata	Large skipper	2
Pararge aegeria	Speckled wood	1
Pieris brassicae	Large white	2
Pieris napi	Green-veined white	2
Pieris rapae	Small white	2
Polygonum c-album	Comma	2
Polyommatus coridon	Chalk-hill blue	3
Polyommatus icarus	Common blue	3
Pyrgus malvae	Grizzled skipper	3
Pyronia tithonus	Gatekeeper	2
Thymelicus sylvestris	Small skipper	3
Vanessa atalanta	Red admiral	2
Vanessa cardui	Painted lady	2

Table S2: Birds species analysed using the BBS survey data and their broadleaved woodland associations. Species were categorised depending on their degree of association with broadleaved woodland: 1 - broadleaved woodland is the species' primary habitat types, 2- species is occasionally found in broadleaved woodland but not the primary habitat type, 3-species is rarely found in broadleaved woodland.

Blackbird 2 Blackcap 1 Bulfinch 2 Black-headed Gull 3 Blue Tit 2 Buzzard 3 Carrion Crow 3 Cormorant 3 Corn Bunting 3 Collared Dove 3 Chaffchaff 1 Collared Dove 3 Chaffinch 2 Cuckoo 3 Coot 3 Coal Tit 2 Curlew 3 Dunnock 3 Feral Pigeon 3 Green Woodpecker 1 Goldfrich 3 Great Crested Grebe 3 Goldfrich 3 Great Tit 2 Garden Warbler 1 Great Spotted Woodpecker 1 Great Spotted Woodpecker 1 Great Tit 2 Garden Warbler 1 Herring Gull 3 House	Species common name	Broadleaved woodland association
Bullfinch 2 Black-headed Gull 3 Bluz Tit 2 Buzzard 3 Carrion Crow 3 Cormorant 3 Cormorant 3 Collared Dove 3 Canada Goose 3 Canada Goose 3 Canada Goose 3 Canada Goose 3 Coal Tit 2 Cuckoo 3 Coal Tit 2 Curlew 3 Dunnock 3 Feral Pigeon 3 Green Woodpecker 1 Goldcrest 2 Great Crested Grebe 3 Great Tit 2 Great Tit 2 Garden Warbler 1 Great Spotted Woodpecker 1 Great Tit 2 Garden Warbler 3 Herring Gull 3 House Sparrow 3 Jay 1 Jackdaw	Blackbird	2
Black-headed Gull 3 Blue Tit 2 Buzzard 3 Carrion Crow 3 Cornorant 3 Com Bunting 3 Combunting 3 Chiffchaff 1 Collared Dove 3 Canada Goose 3 Chaffinch 2 Cuckoo 3 Coal 3 Coal 3 Coal 3 Coal 3 Coto 3 Coal Tit 2 Curlew 3 Dunnock 3 Feral Pigeon 3 Green Woodpecker 1 Goldfinch 3 Great Crested Grebe 3 Goldfinch 3 Great Spotted Woodpecker 1 Great Spotted Woodpecker 1 Great Spotted Woodpecker 1 Great Spotted Woodpecker 3 Herring Gull 3 House	Blackcap	1
Blue Tit 2 Buzzard 3 Carrion Crow 3 Cornorant 3 Corn Bunting 3 Corn Bunting 3 Collared Dove 3 Canada Goose 3 Canada Goose 3 Canada Goose 3 Canada Goose 3 Coto 3 Cocot 3 Coot 0 3 Coot 1 2 Curlew 3 Dunnock 3 Feral Pigeon 3 Green Woodpecker 1 Goldrest 2 Great Crested Grebe 3 Goldfinch 3 Great Tit 2 Garden Warbler 1 Great Tit 2 Garden Warbler 1 Great Tit 2 Garden Warbler 1 Herring Gull 3 House Sparrow 3 Jay 1	Bullfinch	2
Buzzard3Carrion Crow3Cornorant3Com Bunting3Con Bunting3Collared Dove3Canada Goose3Chaffinch2Cuckoo3Cool T3Cool T3Cool T3Corl W3Dunnock3Feral Pigeon3Green Woodpecker1Goldcrest2Great Crested Grebe3Great Tit2Great Tit2Great Tit3Great Tit3Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Martin3Jay1Jackdaw2Kestrel3Lapwing3Long-tailed Tit3Long-tailed Tit1	Black-headed Gull	3
Carrion Crow 3 Cormorant 3 Corn Bunting 3 Chaffichaff 1 Collared Dove 3 Canada Goose 3 Chaffinch 2 Cuckoo 3 Cool 3 Cool 3 Coal Tit 2 Curlew 3 Dunnock 3 Feral Pigeon 3 Green Woodpecker 1 Goldcrest 2 Goldfinch 3 Great Crested Grebe 3 Goldfinch 3 Great Tit 2 Garden Warbler 1 Great Tit 2 Garden Warbler 1 Great Tit 3 Herring Gull 3 House Sparrow 3 Jay 1 Jackdaw 2 Kestrel 3 Lapwing 3 Long-tailed Tit 3 </td <td>Blue Tit</td> <td>2</td>	Blue Tit	2
Cornorant 3 Corn Bunting 3 Chiffchaff 1 Collared Dove 3 Canada Goose 3 Chaffinch 2 Cuckoo 3 Cool 3 Coot 3 Coot 3 Coal Tit 2 Curlew 3 Dunnock 3 Feral Pigeon 3 Green Woodpecker 1 Goldcrest 2 Great Crested Grebe 3 Goldfinch 3 Great Spotted Woodpecker 1 Great Tit 2 Garden Warbler 1 Great Tit 2 Garden Warbler 1 Grey Heron 3 Herring Gull 3 House Sparrow 3 Jay 1 Jackdaw 2 Kestrel 3 Lapwing 3 Long-tailed Tit 3 <	Buzzard	3
Corn Bunting3Chiffchaff1Collared Dove3Canada Goose3Chaffinch2Cuckoo3Coot3Coot3Coal Tit2Curlew3Dunnock3Feral Pigeon3Green Woodpecker1Goldcrest2Great Crested Grebe3Goldfich3Great Tit2Great Spotted Woodpecker1Great Spotted Woodpecker1Great Spotted Woodpecker3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit3Long-tailed Tit1	Carrion Crow	3
Chiffchaff1Collared Dove3Canada Goose3Chaffinch2Cuckoo3Cool3Coot3Coal Tit2Curlew3Dunnock3Feral Pigeon3Great Crested Grebe3Goldcrest2Great Crested Grebe3Goldrich3Great Spotted Woodpecker1Great Tit2Gareat Warbler1Grey Heron3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit3Long-tailed Tit1	Cormorant	3
Collared Dove3Canada Goose3Chaffinch2Cuckoo3Cool3Cool3Coal Tit2Curlew3Dunnock3Feral Pigeon3Green Woodpecker1Goldcrest2Great Crested Grebe3Great Spotted Woodpecker1Great Spotted Woodpecker1Great Tit2Great Spotted Woodpecker1Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit1	Corn Bunting	3
Canada Goose3Chaffinch2Cuckoo3Coot3Coal Tit2Curlew3Dunnock3Feral Pigeon3Green Woodpecker1Goldcrest2Great Crested Grebe3Goldfinch3Great Spotted Woodpecker1Great Tit2Garden Warbler1Great Tit2Garden Warbler1Grey Heron3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Chiffchaff	1
Chaffinch2Cuckoo3Coot3Coal Tit2Curlew3Dunnock3Feral Pigeon3Green Woodpecker1Goldcrest2Great Crested Grebe3Goldfinch3Great Spotted Woodpecker1Great Tit2Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Collared Dove	3
Cuckoo3Coot3Coal Tit2Curlew3Dunnock3Feral Pigeon3Green Woodpecker1Goldcrest2Great Crested Grebe3Goldfinch3Greenfinch3Great Spotted Woodpecker1Great Tit2Great Tit2Great Tit3Herring Gull3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Linnet3Long-tailed Tit3	Canada Goose	3
Coot3Coal Tit2Curlew3Dunnock3Feral Pigeon3Green Woodpecker1Goldcrest2Great Crested Grebe3Goldflinch3Green flinch3Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit1	Chaffinch	2
Coal Tit 2 Curlew 3 Dunnock 3 Feral Pigeon 3 Green Woodpecker 1 Goldcrest 2 Great Crested Grebe 3 Goldfinch 3 Great Spotted Woodpecker 1 Great Spotted Woodpecker 1 Great Tit 2 Garden Warbler 1 Grey Heron 3 House Martin 3 House Sparrow 3 Jay 1 Jackdaw 2 Kestrel 3 Lapwing 3 Long-tailed Tit 3	Cuckoo	3
Curlew 3 Dunnock 3 Feral Pigeon 3 Green Woodpecker 1 Goldcrest 2 Great Crested Grebe 3 Goldfinch 3 Great Spotted Woodpecker 1 Great Spotted Woodpecker 1 Great Tit 2 Garden Warbler 1 Grey Heron 3 House Martin 3 House Sparrow 3 Jay 1 Jackdaw 2 Kestrel 3 Lapwing 3 Lesser Black-backed Gull 3 Linnet 3	Coot	3
Dunnock3Feral Pigeon3Green Woodpecker1Goldcrest2Great Crested Grebe3Goldfinch3Greenfinch3Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Linnet3Long-tailed Tit1	Coal Tit	2
Feral Pigeon3Green Woodpecker1Goldcrest2Great Crested Grebe3Goldfinch3Greenfinch3Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Curlew	3
Green Woodpecker1Goldcrest2Great Crested Grebe3Goldfinch3Greenfinch3Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Martin3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit1	Dunnock	3
Green Woodpecker1Goldcrest2Great Crested Grebe3Goldfinch3Greenfinch3Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Martin3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit1	Feral Pigeon	3
Goldcrest2Great Crested Grebe3Goldfinch3Greenfinch3Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Martin3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit1		1
Goldfinch3Greenfinch3Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit1		2
Greenfinch3Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit1	Great Crested Grebe	3
Great Spotted Woodpecker1Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit1	Goldfinch	3
Great Tit2Garden Warbler1Grey Heron3Herring Gull3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Long-tailed Tit1	Greenfinch	3
Garden Warbler1Grey Heron3Herring Gull3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Great Spotted Woodpecker	1
Grey Heron3Herring Gull3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Great Tit	2
Herring Gull3House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Garden Warbler	1
House Martin3House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Grey Heron	3
House Sparrow3Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Herring Gull	3
Jay1Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	House Martin	3
Jackdaw2Jackdaw2Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	House Sparrow	3
Kestrel3Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Jay	1
Lapwing3Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Jackdaw	2
Lesser Black-backed Gull3Linnet3Long-tailed Tit1	Kestrel	3
Linnet3Long-tailed Tit1	Lapwing	3
Long-tailed Tit 1		3
	Linnet	3
Lesser Whitethroat 3	Long-tailed Tit	1
	Lesser Whitethroat	3

Table continued...

Species common name	Broadleaved woodland association
Mistle Thrush	2
Mallard	3
Magpie	3
Moorhen	3
Meadow Pipit	3
Mute Swan	3
Nuthatch	1
Oystercatcher	3
Pheasant	3
Pied/White Wagtail	3
Robin	2
Reed Bunting	3
Red Grouse	3
Red-legged Partridge	3
Raven	3
Rook	3
Redstart	1
Reed Warbler	3
Skylark	3
Stock Dove	3
Starling	3
Swift	3
Siskin	3
Swallow	3
Snipe	3
Song Thrush	2
Shelduck	3
Sedge Warbler	3
Treecreeper	1
Turtle Dove	3
Tree Pipit	3
Tree Sparrow	3
Tufted Duck	3
Wheatear	3
Whitethroat	3
Woodpigeon	2
Wren	2
Willow Warbler	3
Yellowhammer	3
Yellow Wagtail	3

Table S3: Birds species analysed using the CBC survey data and their broadleaved woodland associations. Species were categorised depending on their degree of association with broadleaved woodland: 1 - broadleaved woodland is the species' primary habitat types, 2- species is occasionally found in broadleaved woodland but not the primary habitat type, 3-species is rarely found in broadleaved woodland.

Species common name	Broadleaved woodland association
Blackbird	2
Blackcap	1
Bullfinch	2
Blue Tit	2
Chiffchaff	1
Chaffinch	2
Coal Tit	2
Dunnock	3
Green Woodpecker	1
Goldcrest	2
Greenfinch	3
Great Spotted Woodpecker	1
Great Tit	2
Garden Warbler	1
Jay	1
Long-tailed Tit	1
Mistle Thrush	2
Magpie	3
Marsh Tit	1
Nuthatch	1
Pheasant	3
Robin	2
Starling	3
Song Thrush	2
Treecreeper	1
Woodpigeon	2
Wren	2
Willow Warbler	3
Yellowhammer	3