

Walking in the footsteps of Mary Gillham

A Dedicated Naturalist: The Dr Mary Gillham Archive Project is a Heritage Lottery Funded project to celebrate the life and works of eminent ecologist Dr Gillham. Please see the SEWBRc website for more information about Dr Gillham and the project:

<http://www.sewbrec.org.uk/a-dedicated-naturalist/welcome-to-the-dedicated-naturalist-project.page>.

Dr Mary Gillham (MBE) spent a huge amount of time exploring South Wales and recording all of the species she found in different locations, sometimes for personal interest, sometimes whilst educating a group of extra mural students and sometimes to record what species and habitats were present in order to provide evidence for protecting an area. In this series of 'Walks with Mary Gillham' we will provide you with details of the surveys she undertook and the species she recorded. We would love to get an up-to-date species list so we can compare the two – will you find as much as Mary? Has the species composition changed drastically? Can you add new species to the list?

Walk one: Dinas Powys

During the 1970s and early 1980s Mary visited the woodlands to the northwest of Dinas Powys on a number of occasions. The woodland was owned by the Forestry Commission and the Glamorgan Naturalists' Trust managed a small portion of it along Cwm George. Now, the site is managed by the Woodland Trust and you can find out more on their website here: <http://www.woodlandtrust.org.uk/visiting-woods/wood/4731/cwm-george-casehill-woods/>.

We have selected five surveys, which she did alone or in the company of Roy Perry and Gladys Barrett, that cover the area of woodland highlighted in Figures 2 and 3. We'd like to invite you to go along to the woods and see what you can find. Mary's combined species list is attached below and we have highlighted some 'target species' which are under-recorded in SEWBRc's database and which you might be able to spot and record too. In the accompanying document we have scanned Mary's original survey notes so you too can experience surveying with Mary Gillham.

1km grid square: ST1472 (plus a little bit round the edges!)

People: Mary Gillham, Roy Perry, Gladys Barrett

Dates: 22/05/1972, 28/04/1976, 18/04/1978, 18/04/1978, 05/04/1981

Number of species: Around 190

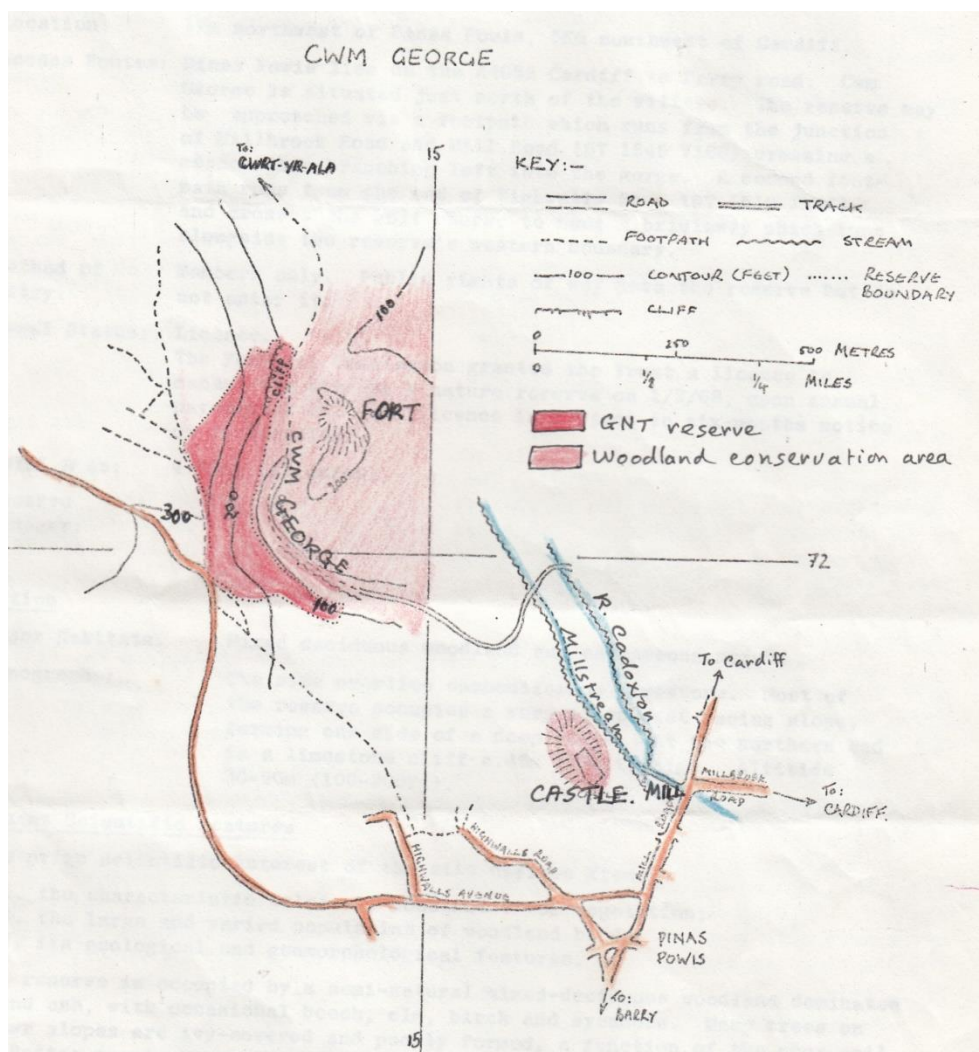
Submit your records at http://www.sewbrec.org.uk/Mary_Gillham or send them in a spreadsheet to dedicated.naturalist@sewbrec.org.uk. You can download a template spreadsheet from the Walks with Mary Gillham page on the SEWBRc website: <http://www.sewbrec.org.uk/a-dedicated-naturalist/walks/walk-mary-gillham-may-16.page>

Find out more about the Mary Gillham Archive Project at www.facebook.com/MaryGillhamArchive or on Twitter @GillhamArchives (www.twitter.com/GillhamArchives).

This is the first in a series of walks which we will be publishing through the project and so please let us know what you think of them. Room for improvement or perfect?



Figure 1: Hand drawn map of the GNT reserve next to Cwm George, circa 1977



Target species

Although there has been close to 1000 different species recorded in SEWBRc's database many of them are very old and in low numbers. We've pulled out some interesting target species which means you could be the first person to record a species in over 100 years!

Scientific Name	Common Name	Number of Records	Last Date Recorded
<i>Turdus philomelos</i>	Song Thrush	1	1975
<i>Passer montanus</i>	Tree Sparrow	1	1983
<i>Adoxa moschatellina</i>	Moschatel	7	1978
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	1	1972
<i>Stellaria nemorum</i>	Wood Stitchwort	1	1972
<i>Lithospermum arvense</i>	Field Gromwell	1	1972
<i>Bombus (Pyrobombus) pratorum</i>	Early Bumble Bee	1	1972
<i>Bombus (Melanobombus) lapidarius</i>	Large Red Tailed Bumble Bee	1	1976
<i>Rutpela maculata</i>		1	1914
<i>Euproctis similis</i>	Yellow-tail	1	1920
<i>Pterostoma palpina</i>	Pale Prominent	1	1899
<i>Boloria selene</i>	Small Pearl-bordered Fritillary	1	1917

Figure 2: OS map of survey area highlighted in red

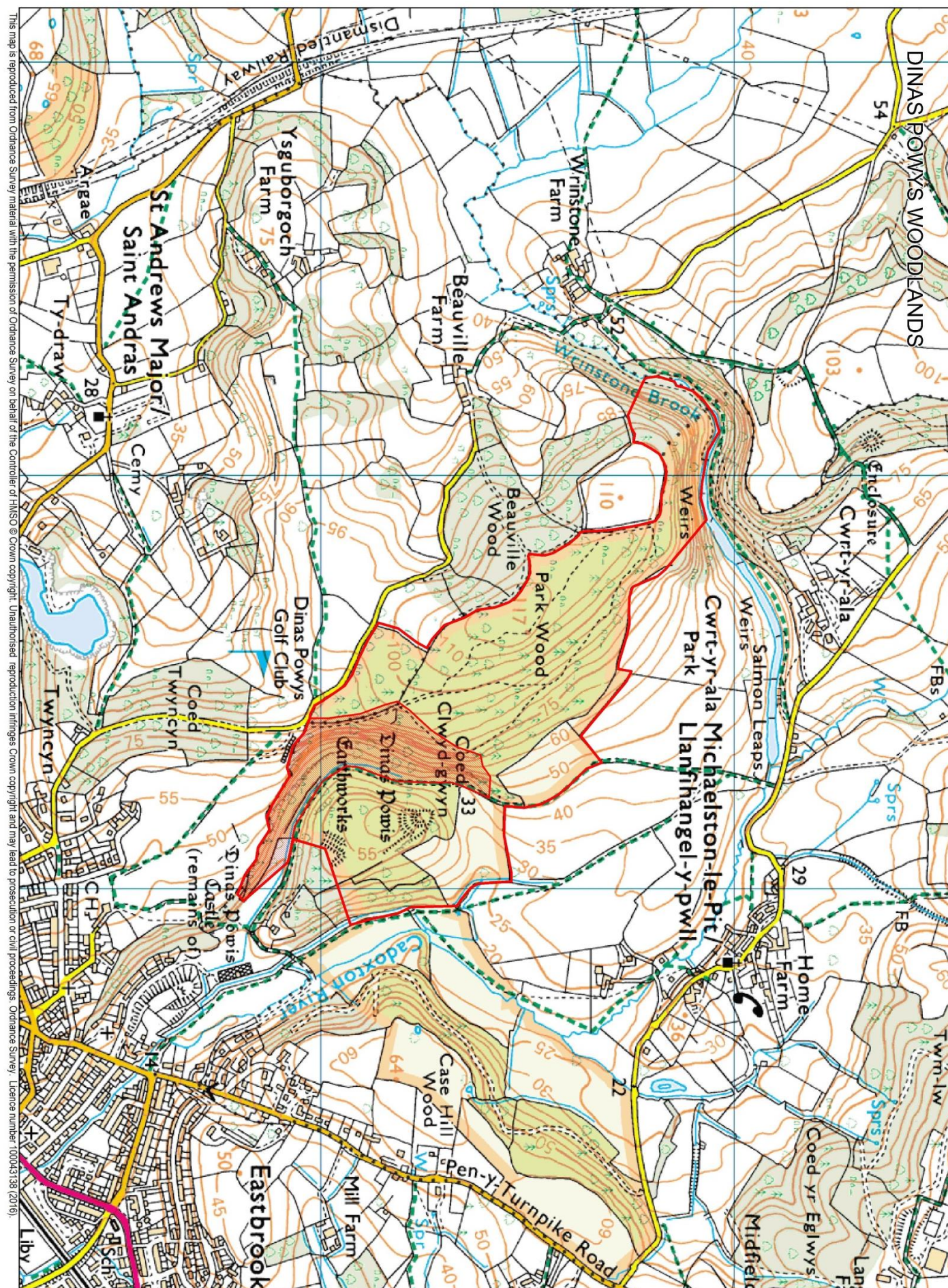
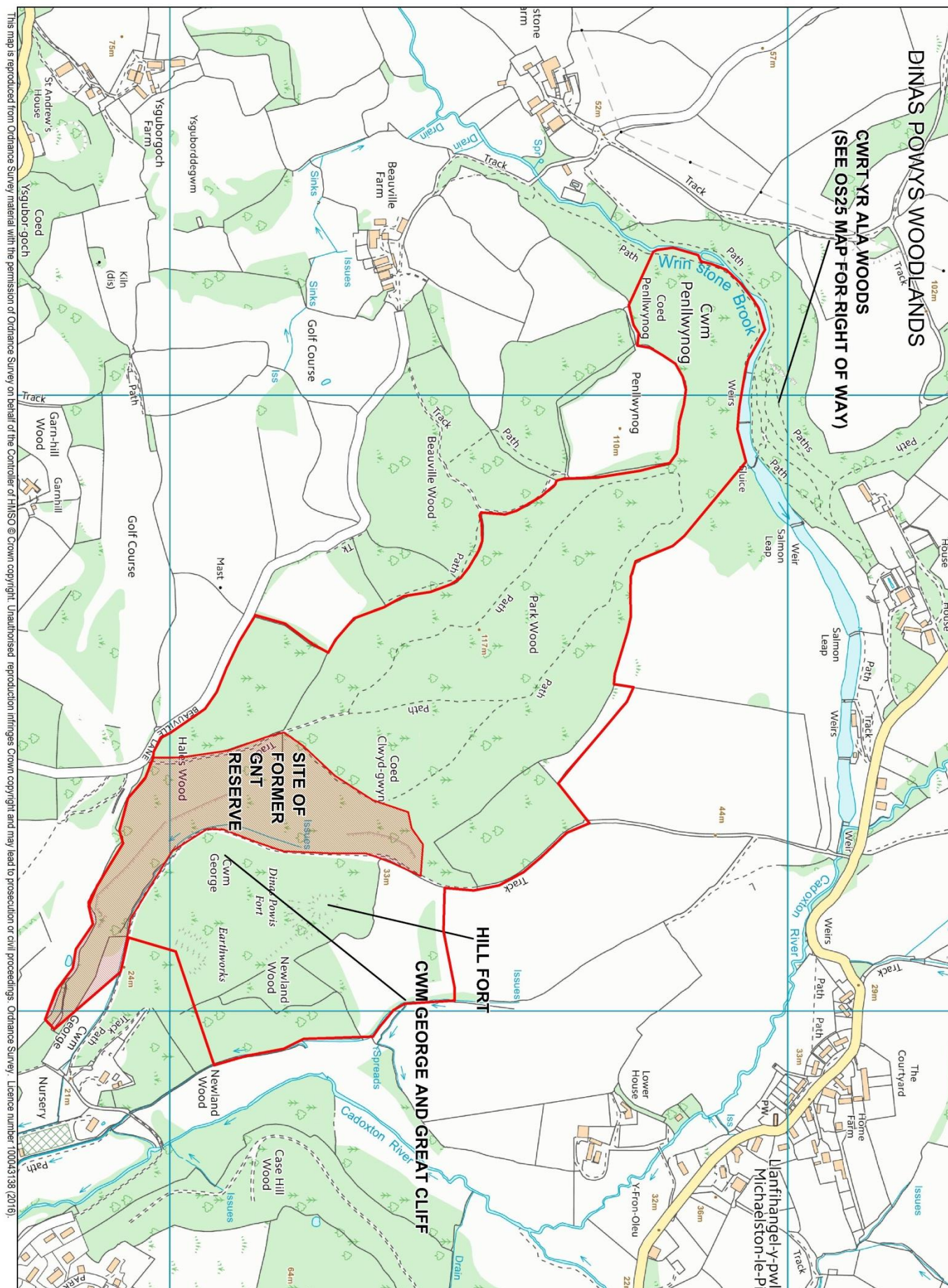


Figure 3: Map of survey area showing the areas visited by Mary Gillham



Mary's combined species list

Group	Scientific name	Common name	May 22nd 1972	April 28th 1976	April 18th 1978	May 28th 1978	April 5th 1981	2016
Bird	Abraxas grossulariata	Magpie				✓		
Bird	Buteo buteo	Buzzard			✓			
Bird	Certhia familiaris	Treecreeper					✓	
Bird	Columba palumbus	Woodpigeon		✓	✓	✓		
Bird	Corvus monedula	Jackdaw					✓	
Bird	Cyanistes caeruleus	Blue Tit					✓	
Bird	Erithacus rubecula	Robin					✓	
Bird	Falco tinnunculus	Kestrel			✓			
Bird	Garrulus glandarius	Jay			✓		✓	
Bird	Parus major	Great Tit					✓	
Bird	Phasianus colchicus	Pheasant		✓	✓	✓		
Bird	Phylloscopus collybita	Chiffchaff		✓	✓	✓	✓	
Bird	Phylloscopus trochilus	Willow Warbler		✓				
Bird	Picus viridis	Green Woodpecker					✓	
Bird	Streptopelia decaocto	Collared Dove			✓			
Bird	Turdus merula	Blackbird					✓	
Bird	Scolopax rusticola	Woodcock			✓			
Bird	Sitta europaea	Nuthatch		✓				
Fungi	Armillaria mellea	Honey Fungus		✓			✓	
Fungi	Calocybe gambosa	St. George's Mushroom					✓	
Fungi	Microbotryum violaceum	Campion Anther Smut				✓		
Fungi	Podosphaera pannosa				✓			
Fungi	Reticularia lycoperdon						✓	
Fungi	Sarcoscypha coccinea	Scarlet Elf Cup					✓	
Fungi	Daldinia concentrica	King Alfred's Cakes					✓	
Fungi	Dumontinia tuberosa	Anemone Cup			✓			
Invert	Andrena fulva	Tawny Mining Bee		✓				
Invert	Coccinella septempunctata	Seven-Spot Ladybird		✓	✓			
Invert	Lasius niger	Small Black Ant				✓		

Invert	Pyrochroa serraticornis	Red-headed Cardinal Beetle				✓		
Invert	Sinodendron cylindricum	Rhinoceros Beetle				✓		
Invert	Eristalis					✓		
Invert	Tipulidae	Crane fly		✓				
Lep	Aglais io	Peacock		✓				
Lep	Aglais urticae	Small Tortoiseshell		✓				
Lep	Anthocharis cardamines ssp. britannica	Orange-tip		✓		✓		
Lep	Celastrina argiolus britanna	Holly Blue		✓				
Lep	Gonepteryx rhamni rhamni	Brimstone		✓				
Lep	Operophtera brumata	Winter Moth				✓		
Lep	Pararge aegeria tircis	Speckled Wood		✓		✓		
Lep	Pieris brassicae	Large White		✓		✓		
Lep	Pieris napi britannica	Green-veined white		✓				
Lep	Pieris rapae	Small White				✓		
Lep	Polygonia c-album	Comma		✓				
Lep	Tyria jacobaeae	Cinnabar		✓				
Lep	Psychoides sp.				✓			
Mam	Talpa europaea	European Mole		✓				
Plant	Acer campestre	Field Maple			✓			
Plant	Acer pseudoplatanus	Sycamore			✓			
Plant	Adoxa moschatellina	Moschatel	✓	✓	✓		✓	
Plant	Aegopodium podagraria	Ground-elder	✓					
Plant	Ajuga reptans	Bugle	✓		✓			
Plant	Alliaria petiolata	Garlic Mustard			✓			
Plant	Allium ursinum	Ramsons	✓	✓	✓		✓	
Plant	Anagallis arvensis	Scarlet Pimpernel	✓					
Plant	Anemone nemorosa	Wood Anemone	✓	✓	✓		✓	
Plant	Angelica sylvestris	Wild Angelica	✓					
Plant	Anisantha sterilis	Barren Brome	✓					
Plant	Anthriscus sylvestris	Cow Parsley	✓				✓	
Plant	Aquilegia vulgaris	Columbine	✓					
Plant	Arabis hirsuta	Hairy Rock-cress			✓			
Plant	Arum italicum	Italian Lords-and-Ladies			✓			
Plant	Arum italicum subsp. neglectum	Arum	✓					

Plant	Arum maculatum	Lords-and-Ladies			✓		✓	
Plant	Asplenium scolopendrium	Hart's-tongue		✓				
Plant	Asplenium trichomanes	Maidenhair Spleenwort				✓		
Plant	Ballota nigra	Black Horehound	✓					
Plant	Bellis perennis	Daisy					✓	
Plant	Betula	Birch					✓	
Plant	Brachypodium sylvaticum	False-brome			✓			
Plant	Bromus hordeaceus subsp. hordeaceus	Common Soft-brome	✓					
Plant	Butomus umbellatus	Flowering-rush	✓					
Plant	Caltha palustris	Marsh-marigold	✓					
Plant	Cardamine amara	Large Bitter-cress	✓					
Plant	Cardamine flexuosa	Wavy Bitter-cress	✓				✓	
Plant	Cardamine hirsuta	Hairy Bitter-cress	✓					
Plant	Cardamine pratensis	Cuckooflower	✓				✓	
Plant	Carex pendula	Pendulous Sedge					✓	
Plant	Carex sylvatica	Wood-sedge	✓					
Plant	Castanea sativa	Sweet Chestnut			✓			
Plant	Catapodium rigidum	Fern-grass				✓		
Plant	Chelidonium majus	Greater Celandine	✓			✓		
Plant	Chrysosplenium	Golden saxifrage		✓				
Plant	Chrysosplenium oppositifolium	Opposite-leaved Golden-saxifrage	✓				✓	
Plant	Clematis vitalba	Traveller's-joy	✓		✓			
Plant	Conopodium majus	Pignut	✓					
Plant	Cornus				✓			
Plant	Corylus avellana	Hazel					✓	
Plant	Crataegus monogyna	Hawthorn			✓			
Plant	Dactylis glomerata	Cock's-foot			✓	✓		
Plant	Daphne					✓		
Plant	Daphne laureola	Spurge-laurel	✓	✓	✓		✓	
Plant	Dryopteris filix-mas	Male-fern			✓			
Plant	Epilobium hirsutum	Great Willowherb	✓					
Plant	Epipactis helleborine	Broad-leaved Helleborine	✓					
Plant	Euonymus europaeus	Spindle	✓		✓			
Plant	Euphorbia amygdaloides	Wood Spurge	✓	✓	✓		✓	

Plant	Eurhynchium striatulum	Lesser Striated Feather-moss			✓			
Plant	Fagus sylvatica	Beech			✓			
Plant	Festuca gigantea	Giant Fescue	✓					
Plant	Filipendula ulmaria	Meadowsweet	✓					
Plant	Forsythia suspensa x viridissima	Forsythia					✓	
Plant	Fragaria vesca	Wild Strawberry			✓			
Plant	Fraxinus excelsior	Ash			✓		✓	
Plant	Galium aparine	Cleavers	✓		✓			
Plant	Galium mollugo	Hedge Bedstraw	✓					
Plant	Galium odoratum	Woodruff	✓			✓		
Plant	Geranium lucidum	Shining Crane's-bill			✓			
Plant	Geranium robertianum	Herb-Robert			✓		✓	
Plant	Geum urbanum	Wood Avens	✓					
Plant	Glechoma hederacea	Ground-ivy					✓	
Plant	Hedera helix	Ivy			✓		✓	
Plant	Heracleum sphondylium	Hogweed			✓			
Plant	Hyacinthoides hispanica	Spanish Bluebell			✓			
Plant	Hyacinthoides non-scripta	Bluebell		✓	✓		✓	
Plant	Hypericum	St. John's-Wort			✓			
Plant	Ilex aquifolium	Holly			✓			
Plant	Iris foetidissima	Stinking Iris	✓		✓			
Plant	Iris pseudacorus	Yellow Iris	✓					
Plant	Lamiastrum galeobdolon	Yellow Archangel	✓	✓	✓		✓	
Plant	Lamium album	White Dead-nettle	✓					
Plant	Lamium purpureum	Red Dead-nettle	✓					
Plant	Leucanthemum vulgare	Oxeye Daisy				✓		
Plant	Ligustrum	Privet			✓			
Plant	Listera ovata	Common Twayblade	✓					
Plant	Lithospermum arvense	Field Gromwell	✓					
Plant	Lonicera periclymenum	Honeysuckle	✓					
Plant	Luzula	Wood-Rush					✓	
Plant	Lychnis flos-cuculi	Ragged-Robin	✓					
Plant	Lysimachia nemorum	Yellow Pimpernel	✓					
Plant	Lysimachia nummularia	Creeping-Jenny	✓					

Plant	Lythrum salicaria	Purple-loosestrife	✓					
Plant	Medicago arabica	Spotted Medick				✓		
Plant	Melica uniflora	Wood Melick			✓			
Plant	Mentha arvensis	Corn Mint			✓			
Plant	Mercurialis perennis	Dog's Mercury	✓	✓	✓		✓	
Plant	Milium effusum	Wood Millet			✓			
Plant	Moehringia trinervia	Three-nerved Sandwort			✓			
Plant	Neottia nidus-avis	Bird's-nest Orchid	✓					
Plant	Orchis mascula	Early-purple Orchid	✓					
Plant	Ornithogalum umbellatum	Garden Star-of-Bethlehem	✓			✓		
Plant	Oxalis acetosella	Wood-sorrel	✓				✓	
Plant	Paris quadrifolia	Herb-paris	✓	✓	✓			
Plant	Phyllitis scolopendrium	Hart's-tongue			✓			
Plant	Plagiomnium undulatum	Hart's-tongue Thyme-moss					✓	
Plant	Pluteus cervinus	Deer Shield					✓	
Plant	Polypodium cambricum	Southern Polypody			✓	✓		
Plant	Polypodium vulgare	Polypody			✓			
Plant	Polystichum setiferum	Soft Shield-fern			✓			
Plant	Polytrichum formosum	Bank Haircap			✓			
Plant	Populus	Poplar					✓	
Plant	Potentilla sterilis	Barren Strawberry					✓	
Plant	Primula vulgaris	Primrose	✓		✓		✓	
Plant	Prunella vulgaris	Selfheal	✓					
Plant	Prunus avium	Wild Cherry	✓					
Plant	Prunus spinosa	Blackthorn					✓	
Plant	Quercus robur	Pedunculate Oak			✓			
Plant	Ranunculus auricomus	Goldilocks Buttercup	✓					
Plant	Ranunculus ficaria	Lesser Celandine	✓		✓		✓	
Plant	Ribes uva-crispa	Gooseberry			✓			
Plant	Rosa rubiginosa	Sweet-briar	✓					
Plant	Rubia peregrina	Wild Madder			✓			
Plant	Rubus fruticosus agg.	Bramble			✓			
Plant	Rubus idaeus	Raspberry			✓			
Plant	Rumex	Dock			✓			

Plant	Salix	Willow					✓	
Plant	Sambucus nigra	Elder	✓		✓			
Plant	Sanicula europaea	Sanicle	✓	✓	✓			
Plant	Scrophularia nodosa	Common Figwort	✓					
Plant	Serratula tinctoria	Saw-wort	✓					
Plant	Silene dioica	Red Campion	✓	✓	✓		✓	
Plant	Sparganium erectum	Branched Bur-reed	✓					
Plant	Stachys sylvatica	Hedge Woundwort	✓					
Plant	Stellaria holostea	Greater Stitchwort	✓	✓			✓	
Plant	Stellaria nemorum	Wood Stitchwort	✓					
Plant	Tamus communis	Black Bryony			✓			
Plant	Taraxacum officinale agg.	Dandelion		✓			✓	
Plant	Taxus baccata	Yew			✓			
Plant	Teucrium				✓			
Plant	Teucrium scorodonia	Wood Sage	✓					
Plant	Tragopogon	Goat's-Beard			✓			
Plant	Tussilago farfara	Colt's-foot					✓	
Plant	Ulmus	Elm					✓	
Plant	Umbilicus rupestris	Navelwort			✓			
Plant	Veronica beccabunga	Brooklime	✓					
Plant	Veronica chamaedrys	Germander Speedwell	✓		✓			
Plant	Veronica filiformis	Slender Speedwell		✓				
Plant	Veronica hederifolia	Ivy-leaved Speedwell					✓	
Plant	Veronica montana	Wood Speedwell	✓		✓			
Plant	Veronica persica	Common Field-speedwell					✓	
Plant	Veronica serpyllifolia	Thyme-leaved Speedwell	✓					
Plant	Viburnum lantana	Wayfaring-tree	✓		✓			
Plant	Vicia cracca	Tufted Vetch	✓					
Plant	Vicia sepium	Bush Vetch	✓		✓			
Plant	Viola odorata	Sweet Violet			✓		✓	
Plant	Viola reichenbachiana	Early Dog-violet			✓			
Plant	Viola riviniana	Common Dog-violet	✓		✓		✓	