

Appendix D.1

Botanical Data

List of 111 selected recorded plant species.

NOTE: this list is not complete, but gives a good representation of the species present; it also does not include species that appeared on the dug soil the next year, including *Gnaphalium uliginosum*, *Mimulus moschatus*, *Epilobium parviflorum*, *Epilobium ciliatum*, *Cerastium fontanum ssp. vulgare*, *Ceratodon purpureus*. Notable by its complete absence is the Beech *Fagus sylvatica*, which is the dominant tree in the adjacent woodland.

	Family/Species	Frequency/habitat in the British Isles
	Fam. Equisetaceae	
	<i>Equisetum arvense</i> L.	Common, grassland and wasteland.
	Fam. Dennstaedtiaceae	
	<i>Pteridium aquilinum</i> (L.) Kuhn	Very common, woodland on well drained soils.
	Fam. Dryopteridaceae	
	<i>Dryopteris filix-mas</i> (L.) Scholt	Very common, woodland.
	<i>Dryopteris dilatata</i> (Hoffm.) A. Gray	Very common, woodland.
	Fam. Ranunculaceae	
	<i>Ranunculus acris</i> L.	
	<i>Ranunculus repens</i> L.	Very common, damp woods, roadsides.
	<i>Ranunculus ficaria</i> L.	Very common, woodland, humus rich soils.
	Fam. Urticaceae	
	<i>Urtica dioica</i> L.	Very common, woods, wood border, roadsides.
	Fam. Fagaceae	
	<i>Quercus robur</i> L.	Common, semi-natural woodland.
	Fam. Betulaceae	
	<i>Betula pendula</i> Roth	Common, forming woods on light, mostly acid soils.
	<i>Betula pubescens</i> Ehrh.	Common, in similar places to <i>Betula pendula</i> , but on wetter and more peaty soils.
	<i>Betula x aurata</i> Borkh. (<i>Betula pendula</i> x <i>Betula pubescens</i>)	Common in many areas, often in absence of one or both parents.
	<i>Corylus maxima</i> Miller cv <i>Purpurea</i>	Naturalised garden species
	Fam. Caryophyllaceae	
	<i>Cerastium fontanum</i> Baumg.	
	<i>Sagina procumbens</i> L.	
	Fam. Polygonaceae	
	<i>Rumex acetosella</i> L.	
	<i>Rumex acetosa</i> L.	Very common, grass/woodland, clay soils.
	<i>Rumex sanguineus</i> L. (?)	Common
	Fam. Clusiaceae	
	<i>Hypericum perforatum</i> L.	Common
	Fam. Violaceae	
	<i>Viola palustris</i> L. (?)	
	Fam. Salicaceae	
	<i>Salix caprea</i> L.	Common, damp woods.
	<i>Salix cinerea</i> L.	Very common, early coloniser of marshy grounds.
	Fam. Brassicaceae	
	<i>Cardamine flexuosa</i> With.	Very common, damp shaded marshy grounds.
	Fam. Primulaceae	
	<i>Primula vulgaris</i> Huds.	Common, hedgebanks, woodlands.
	Fam. Rosaceae	
	<i>Crataegus monogyna</i> Jacq.	Very common, hedges, woods.
	<i>Geum urbanum</i> L.	Very common, woods.
	<i>Filipendula ulmaria</i> (L.) Maxim.	Common, wet and damp habitats.

? <i>Malus domestica</i> Borkh.	Common, mixed woods, hedges.
<i>Prunus domestica</i> L.	Common, naturalised in hedgerows, always near habitation past or present.
<i>Rosa</i> sp.	Naturalised garden species
<i>Rubus idaeus</i> L.	Common, woods, wood borders, hedge banks, on sandy soils.
<i>Rubus dasyphyllus</i> (Rogers) E. Marshall	Common, woods.
<i>Rubus distractiformis</i> Newton	Regional endemic, oak-birch woodland.
<i>Rubus tuberculatus</i> Bab.	Common, hedgerows, woodborders, waste ground.
<i>Rubus lindleanus</i> Lees	Common, hedge banks and woods, on sandy soils.
<i>Rubus vestitus</i> Weihe	Common, woods.
<i>Sorbus aucuparia</i> L.	Common, woods, moors, except on heavy soils
Fam. Fabaceae	
<i>Lotus pedunculatus</i> Cav.	Very common, damp habitats.
<i>Vicia cracca</i> L.	
<i>Lathyrus pratensis</i> L.	
<i>Trifolium repens</i> L.	
<i>Trifolium pratense</i> L.	
<i>Ulex europaeus</i> L.	Common, quarry spoil, open banks, well drained soils.
Fam. Onagraceae	
<i>Chamerion angustifolium</i> (L.) Holub.	Common, waste ground, woodland clearings.
<i>Epilobium montanum</i> L.	
<i>Epilobium obscurum</i> Schreber	
<i>Epilobium hirsutum</i> L.	Very common, marshes, ditch sides.
Fam. Aceraceae	
<i>Acer pseudoplatanus</i> L.	Very common, woods and hedges on clay soils.
Fam. Oxalidaceae	
<i>Oxalis acetosella</i> L.	Very common, woodland.
Fam. Apiaceae	
<i>Aegopodium podagraria</i> L.	Very common, damp, shaded areas, near habitations.
<i>Angelica sylvestris</i> L.	
<i>Heracleum sphondylium</i> L.	Very common, woods or disturbed grounds.
Fam. Solanaceae	
<i>Solanum dulcamara</i> L.	Very common, damp woods, wood borders.
Fam. Lamiaceae	
<i>Prunella vulgaris</i> L.	Very common, scrub, pasture, meadow land.
Fam. Oleaceae	
<i>Fraxinus excelsior</i> L.	Very common, woods, hedges.
Fam. Scrophulariaceae	
<i>Digitalis purpurea</i> L.	Very common, woods, hedge banks.
<i>Veronica chamaedrys</i> L.	Very common, woods, grassland.
<i>Veronica serpyllifolia</i> L.	
<i>Rhinanthus minor</i> subsp. <i>stenophyllus</i> (Schur) O. Schwarz	
Fam. Rubiaceae	
<i>Galium aparine</i> L.	Very common, woods, arable and disturbed ground.
Fam. Caprifoliaceae	
<i>Sambucus nigra</i> L.	Very common, under story in woods.
Fam. Asteraceae	
<i>Centaurea nigra</i> L.	Very common, grassland.
<i>Cirsium arvense</i> (L.) Scop.	Very common, grassland, disturbed ground.
<i>Cirsium palustre</i> (L.) Scop.	Very common, damp grassland, damp woods.
<i>Senecio jacobaea</i> L.	Very common, weed in pasture, wood edges, disturbed ground.
<i>Taraxacum officinale</i> agg.	Very common, woods, arable and disturbed ground.
Fam. Juncaceae	
<i>Juncus buffonius</i> L.	
<i>Juncus acutiflorus</i> Ehrh. ex Hoffm.	
<i>Juncus effusus</i> L.	Very common, wet places.
Fam. Poaceae	

<i>Festuca pratensis</i> Hudson	
<i>Cynosurus cristatus</i> L.	
<i>Poa annua</i> L.	
<i>Poa trivialis</i> L.	
<i>Dactylis glomerata</i> L.	
<i>Arrhenatherum elatius</i> (L.) P.Beauv. ex J.S. Presl. & C. Presl	
<i>Holcus lanatus</i> L.	
<i>Anthoxanthum odoratum</i> L.	
<i>Agrostis vinealis</i> Schreber	
<i>Agrostis capillaris</i> L.	
<i>Alopecurus pratensis</i> L.	
Fam. Aliaceae	
<i>Hyacinthoides non-scripta</i> (L.) Chouard ex Rothm.	Common, woods and wood borders, hedgerows, well drained soils.
<i>Narcissus</i> agg.	Naturalised garden species
Fam. Orchidaceae	
<i>Epipactis helleborine</i> (L.) Crantz	Occasional, woods and wood borders.
<i>Dactylorhiza fuchsii</i> (Druce) Soo	
LIVERWORTS: Jungermanniopsida	
<i>Lophocolea bidentata</i>	Common on tree roots, logs in woodland.
<i>Pellia epiphylla</i>	Common, on damp soil in woods, on stream banks, except calcareous areas.
MOSESSES: Polytrichopsida	
<i>Atrichum undulatum</i>	Common in almost all types of British woodlands, clearings in the woods on low base soils.
<i>Polytrichum commune</i>	Common on wet, highly acid soils.
MOSESSES: Bryopsida	
<i>Brachythecium rutabulum</i>	Common in almost any type of moist woodland, grass river banks, marshes.
<i>Bryum pallens</i>	Common, habitat varies: damp walls, wet hollows of sand dunes, in wet places.
<i>Calliergonella cuspidata</i>	Common, clay pastures, fens, dry calcicole or wet acidic.
<i>Kindbergia praelonga</i> var. <i>praelonga</i>	Common, shade tolerant, favours clay soils in woods.
<i>Eurhynchium striatum</i>	Common on the ground in woods, along hedge banks.
<i>Mnium hornum</i>	Common, occurs on humus, peat, rotten wood, characteristic moss of beech wood.
<i>Plagiomnium affine</i>	Common on damp soil in woods and in turf in basic habitats.
<i>Plagiomnium undulatum</i>	Common on soil or soil-covered rocks, shade tolerant, indicates relatively fertile soil.
<i>Rhytidiadelphus squarrosus</i>	Common in most grassy places, indifferent in regards soil reaction.
<i>Orthotrichum diaphanum</i>	Common, characteristically epiphytic, tree branches.
<i>Ulota bruchii</i>	Common, characteristically epiphytic, tree branches.
LICHENS: Lichenophyta	
<i>Parmelia sulcata</i> , <i>Parmelia glabratula</i> , <i>Parmelia subaurifera</i> , <i>Lecanora conizaeoides</i>	On <i>Quercus</i> sp.
<i>Lecanora conizaeoides</i>	On <i>Acer</i> sp.
<i>Parmelia sulcata</i> <i>Parmelia ulophylla</i> <i>Physcia tenella</i> , <i>Lecanora conizaeoides</i>	On <i>Salix</i> sp.
<i>Parmelia sulcata</i> , <i>Parmelia subaurifera</i> , <i>Parmelia glabratula</i> , <i>Evernia prunastri</i> , <i>Lecanora conizaeoides</i> ,	On various corticolous substrata

<i>Lepraria incana</i> , <i>Xanthoria candelaria</i>	
<i>Lepraria incana</i> s .lat., <i>Scoliciosporum chlorococcum</i>	Common on trees and fence posts
ALGAE	
<i>Desmococcus olivaceum</i> (s. lat.)	Common on tree and fence posts
<i>Trentepohlia calamicola</i>	Common on tree and fence posts