

# Birmingham & Black Country Local Sites Assessment Report

EcoRecord Reference	Site Name	Grid Reference	Current Status [1]	Survey Date(s)
WV011	Moseley Hall	SJ932037	Part SINC	17.05.2019
Planning Authority	Site Ownership	Area/Length	Reason for Survey	Report Date
Wolverhampton	Private	14ha	BC Call for Sites	19.11.2019

Meets LS Criteria	SINC	Type	Wildlife	i.e. Wildlife/Geological

Amendment(s)	Extension	i.e. None; New Site; Upgrade; Downgrade; Extension; Whole/Part Deletion
<b>Description</b>	This assessment considers that the area currently designated as Moseley Hall SINC still achieves the criteria necessary to hold that designation. In addition, field compartment F1, not formerly designated, meets the criteria for SINC when considered in conjunction with Moseley Hall and the range of habitats it adds to the site. As such it should be included within the SINC designation.	

## Citation (Summary of Value)

Moseley Hall encompasses 14ha of semi-improved grassland and broadleaved woodland with areas of scrub, tall herb, standing and running water. Good species diversity is present throughout the site due to the prominent structural variation, especially in the woodland where the variation includes wet Alder *Alnus glutinosa* and Willow *Salix sp. carr* to dry Ash *Fraxinus excelsior*, Beech *Fagus sylvatica* and Pedunculate Oak *Quercus robur* woodland. A desk based review undertaken in 2008, by the Wildlife Trust, identified sections of the semi-natural woodland within the site as probable ancient woodland.

The northern grassland habitat, through heavy grazing has reduced species diversity within the sward, provides further habitat variation to the woodland through the addition of mature Pedunculate Oak and permanent and ephemeral water bodies, further enhancing its value as a wildlife corridor and as one of the most ecologically valuable sites in Wolverhampton.

## Local Site Selection Criteria

Ecological		
<b>Habitat Diversity</b>	H	Moseley Hall supports a wide range of woodland habitats which have been established onsite since at least 1845, with probable ancient woodland located on site. Due to the extent of habitat present much structural variation exists within the woodland and waterbodies, providing key ecological habitat for both fauna and flora.
<b>Species Diversity</b>	H	The overall species diversity of the survey area is high due to the wide range of habitats, including wetland, woodland and grassland, and the structural variation within them. Incidental and historical fauna recordings show that the site is of value to a wide range of fauna.
<b>Habitat Rarity</b>	H	The probable ancient woodland on site is a <i>Rare</i> habitat across the Birmingham and the Black Country, with the ponds and intact hedgerows being <i>Uncommon</i> but of created origin. All are listed as Habitats of Principal Importance.
<b>Species Rarity</b>	M-H	Numerous flora species recorded on site have been identified as <i>Uncommon</i> to <i>Rare</i> within Birmingham and Black Country, with one <i>Very Rare</i> flora species recorded on site, Narrow-fruited Water-cress <i>Rorippa microphylla</i> .
<b>Size or Extent</b>	H	In the context of Birmingham and Black Country's local sites Moseley Hall is of medium extent in terms of the total site area. However, the extent of ancient woodland habitat onsite represents a significant amount within Birmingham and the Black Country.
<b>Naturalness</b>	H	The survey area comprises a wide range of semi-natural features that have been established for at least 20 years, with some over 150 years.
<b>Position &amp; Connectivity</b>	H	Moseley Hall forms an important area of semi-natural habitat which is linked to the surrounding landscape through hedgerow networks and numerous designated sites.
Geological – Not Assessed		
Social		
<b>Historical &amp; Cultural</b>	H	Part of the site represents a probable remnant of the ancient woodland as depicted on 1845 historical mapping and comprises part of the parkland of the historic Moseley Old Hall Estate.
<b>Access</b>	M	The southern area is publicly accessible and regularly used by the public with numerous formal and informal paths throughout. While the northern field and woodland is under private ownership.
<b>Aesthetic</b>	H	In the context of the surrounding landscape which is predominantly built-up, Moseley Hall offers a highly attractive woodland and farmland landscape.
<b>Recorded History</b>	H	Historical information is well recorded with mapping records dating back to at least the late 18 <sup>th</sup> century. Local site assessment reports have been undertaken in 1989 and 2000.
<b>Value for Learning</b>	M	With areas open to public, this area has much value for both formal and informal education in conservation, historic landscape, woodland management and ecosystems.

## Site Description

Moseley Hall site is approximately 14ha in size and is located to the north of Wolverhampton and to the west of Northcote Lane. The site is bordered by agricultural farmland, parkland and two long stretches of broadleaved woodland that acts as a wide wildlife corridor through the site and to the surrounding landscape.

The site encompasses a large extent of broadleaved woodland with sections of both semi-natural and plantation woodland, with the central area of woodland being identified as probable ancient woodland. Due to the brook and dry ditches on site, wet areas exist within the woodland which allows for the presence of water associated species which increase the floral diversity of the site.

In the northern section of the site lies an improved grassland field which is currently horse grazed. Due to the management practice the sward diversity is low and dominated by grass species, with only occasional forbs present. However, three ponds are present, two of which are ephemeral, with hedgerows bordering the field.

Historical mapping shows that sections of the woodland and onsite permanent field pond having remained intact since at least 1845, with these woodland areas likely to be ancient woodland. Further woodland planting was undertaken in the north around the 1940s and the south around the 1980s which extended the woodland habitat area. The field was previously of a larger size and separated into two fields. The area was later used to expand the woodland with the remainder made into pasture.

For the purpose of this survey, the site has been divided into four area compartments and three hedgerow compartments.

## Habitats

Phase 1 Name	Broadleaved woodland – semi-natural / plantation	Phase 1 Code	A1.1
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The site encompasses a large area of semi-natural and plantation broadleaved woodland, which predates 1816. In 2008, the Birmingham and Black County Wildlife Trust undertook an Ancient Woodland Inventory review (evidence based desk review) which covered this area and identified sections of the semi-natural woodland as probable ancient woodland.

To show species diversity across the site, the site has been designated into three compartments - these can be seen on **Map 2**. Formal and informal paths are denoted throughout the woodland. Public disturbance is noted throughout from footfall with evidence of fly tipping and fires present close to the stream, off the main public footpath.

Woodland accessible to the north and south of pond P1 and the central brook 'Waterhead Brook' is covered by compartment W1. This includes an area of plantation woodland that runs along the southern boundary and is divided from the semi-natural woodland by an historic bank and ditch, which is likely evidence of an old woodland boundary. Woodland W2 includes the area within the palisade fencing where access was restricted and finally woodland W3 is the rectangular section of woodland to the west of the main survey area.

The broadleaved plantation woodland (W1) located within the southern area comprising mature Sycamore *Acer pseudoplatanus*, Beech, Ash, Lime *Tilia platyphyllos x europaea* and Pedunculate Oak with an understorey of Pedunculate Oak, Wayfaring Tree *Viburnum lantana*, Sycamore, Elder *Sambucus nigra*, Holly *Ilex aquifolium* and Silver Birch *Betula pendula*. There is variation within the woodland where the canopy is sparser and in these areas the understorey becomes increasingly dense with Raspberry *Rubus idaeus* occasionally present. The field-layer flora comprising Male-fern *Dryopteris filix-mas*, Great Willowherb *Epilobium hirsutum*, Meadowsweet *Filipendula ulmaria*, Herb-Robert *Geranium robertianum*, Dog's Mercury *Mercurialis perennis*, Wood-sorrel *Oxalis acetosella*, Wood Avens *Geum urbanum* and native Bluebell *Hyacinthoides non-scripta*. In the western section of the plantation woodland Sweet Chestnut *Castanea sativa*, Norway Maple *Acer platanoides* and Wild Cherry *Prunus avium* becomes present within the species mix. Overall the plantation woodland is based on a north-facing free draining slope. Regeneration is present throughout the woodland though much of this was Sycamore. Standing deadwood is present throughout the woodland.

Along the south-eastern boundary lies a strip of semi-natural woodland predominantly Pedunculate Oak and Beech with Sycamore and Lime. The understorey and field-layer flora is sparse except along the woodland edge where the canopy is not over shaded. This had led to areas of bare ground and numerous informal footpaths being present throughout. The field-layer flora present includes Common Hogweed *Heracleum sphondylium*, Hedge Mustard *Sisymbrium officinale*, Red Campion *Silene dioica* and native Bluebell.

Along the central area north of the bank and ditch and within close proximity of the dry ditch and Waterhead Brook the woodland becomes semi-natural and lies flat close to the water table. Due to the presence of the brook and dry ditch, this area was likely a former island, possibly shaped by its former land use as a mill. However, due to the long time since this use the island characteristics have become indistinct in the majority of areas as the southern water channel has mostly dried out, except where weather conditions and its nature in holding water has caused pools of standing water. There are areas of inundation in proximity of the southern dry ditch which has resulted in a change in field-layer flora allowing for Tufted Hair-grass *Deschampsia cespitosa*, Pendulous Sedge *Carex pendula*, Remote Sedge *Carex remota* to be present, due to their association with water. The woodland canopy also becomes sparse within this area allowing for the understorey to grow further and becoming more dominant. In this area Crack Willow *Salix fragilis*, Yew *Taxus baccata* and Dogwood *Cornus sanguinea* are now present within the understorey, creating a more wet woodland setting with locally abundant Rhododendron *Rhododendron ponticum*.

The northern section of semi-natural woodland W1 lies on a south-facing free-draining slope which feeds Waterhead Brook and two woodland ponds created from a number of hollows within the woodland. The woodland itself is a mature Beech woodland with Ash, Sycamore, Oak, Hornbeam *Carpinus betulus* with dense areas of Rhododendron, and Cherry Laurel *Prunus laurocerasus* understorey, which is locally abundant in areas in close proximity to F1. In one localised area in the northern section numerous Scots Pine *Pinus sylvestris* are present. Otherwise the field-layer comprises Garlic Mustard *Alliaria petiolata*, Wild Angelica *Angelica sylvestris*, Barren Brome *Anisantha sterilis*, Cow Parsley *Anthriscus sylvestris*, Lords-and-Ladies *Arum maculatum*, Small Nettle *Urtica urens*, Wood Sage *Teucrium scorodonia* and Wood Dock *Rumex sanguineus*. The Field-layer is dominated by Bracken *Pteridium aquilinum* (locally abundant), Bramble *Rubus fruticosus agg.*, Wood Sedge *Carex sylvatica* (abundant near the brook), Wood Sorrel and native Bluebell which is locally abundant in the western and eastern end. Regeneration is present throughout the woodland. A large open glade is present within the western portion of the woodland, this area has become choked by the scrub with the southern section containing dense Bracken, while the northern section comprising a species mixture dominated by Common Nettle *Urtica dioica* and Bramble.

Semi-natural woodland compartment W2 was inaccessible at the time of the survey, therefore the assessment has been undertaken from the palisade fence line. Woodland W2 is a semi-natural extension of W1 as much the same composition as the drier areas, however, it was noted the W2 is currently undergoing works to the north of pond P1 which has resulted in bare areas and log piles. A bare earth track was noted within the eastern end of the compartment which had been used regularly, resulting in no field-layer flora. The understorey in the compartment appears to be denser than seen in W1 with Holly, Yew and Ash abundant with Sycamore and Pedunculate Oak. Where the woodland borders the stream the bankside appears to have been modified with ornamental shrub species present along the edge such as bamboo *Bambusoideae*.

Woodland W3 follows the Waterhead Brook and is seen as an extension of undisturbed semi-natural woodland comprising dense Alder and Ash canopy with a number of mature Pedunculate Oak. The understorey comprises Field Maple *Acer campestre*, Sycamore, Hazel *Corylus avellana* and Hawthorn *Crataegus monogyna*. The Sycamore, although present within the understorey, is slowly joining the canopy however, due to its younger age it has yet completed this. Sycamore, Holly and Horse Chestnut *Aesculus hippocastanum* regeneration is present. Along the brook wet woodland is present comprising Goat Willow *Salix caprea*, Common Sallow *Salix cinerea*, Lords-and-Ladies, Lesser Pond-sedge *Carex acutiformis*, Large Bitter-cress *Cardamine amara*, Wavy Bittercress *Cardamine flexuosa*, Opposite-leaved Golden-saxifrage *Chrysosplenium oppositifolium*, Tufted Hair-Grass, Broad Buckler-fern *Dryopteris dilatata* and Marsh Horsetail *Equisetum palustre*. In drier area the ground flora consists Common Nettle, Ivy, Wood Anemone *Anemone nemorosa*, Pignut *Conopodium majus*, Nipplewort *Lapsana communis*, Common Dog-violet *Viola riviniana* and Lesser Celandine *Ranunculus ficaria*.

There is evidence of a remnant hedge along northern edge comprising Oak and Ash and a small area of bare ground was denoted within the area with evidence of a small fire having recently occurred.

Phase 1 Name	Scrub – dense / scattered	Phase 1 Code	A2.1 / A2.2
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Within field F1, there is a localised patch of dense Blackthorn *Prunus spinosa* scrub, adjacent to hedgerow H2, due to selective grazing from horses and encroachment from the adjacent hedgerow.

Along the northern boundary of Field F1 lies areas of scattered immature Hawthorn scrub between five Pedunculate Oaks which denote a field boundary between two pasture fields. This is likely remnants of an old Hawthorn hedgerow.

There are numerous other areas of bramble and scattered scrub that are incorporated within the broadleaved woodland which are described within the relevant Phase 1 habitat category.

Phase 1 Name	Scattered tree – Broadleaved	Phase 1 Code	A3.1
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The majority of the mature trees found on site are located within hedgerows and the broadleaved woodland and as such have been detailed within the relevant phase 1 habitat sections below. However, seven mature Pedunculate Oak were noted within field compartment F1.

Phase 1 Name	Species poor semi-improved grassland	Phase 1 Code	B6
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Field Compartment F1 is located in the northern section of the site and is currently used as horse pasture with seven standard mature broadleaved trees, one pond and three inundated areas present within the compartment. These additional habitats are described under the relevant phase 1 habitat descriptions.

The sward is kept short through grazing and at the time of survey was up to 15cm in height. The sward diversity within the compartment was relatively low, being dominated by grass species comprising Perennial Rye-grass *Lolium perenne*, Annual Meadow-grass *Poa annua* and False Oat-grass *Arrhenatherum elatius* with occasional Yorkshire Fog *Holcus lanatus* and Sweet Vernal-grass *Anthoxanthum odoratum*. Forb species were frequent within the sward but dominated by competitive species such as Common Nettle, Broadleaved Dock *Rumex obtusifolius*, Creeping Buttercup *Ranunculus repens*, Creeping Thistle *Cirsium arvense* and Dandelion *Taraxacum officinale* agg. with Common Speedwell *Veronica persica*, Ragwort *Senecio jacobaea*, Yarrow *Achillea millefolium*, Field Forget-me-not *Myosotis arvensis*, White Clover *Trifolium repens*, Greater Plantain *Plantago major* and Common Mouse-ear *Cerastium fontanum* only present occasionally.

Areas of ruderal habitats, denoted on the phase 1 map, comprising Broadleaved Dock and Common Nettle were noted across the sward indicating local enrichment from horse manure.

Phase 1 Name	Other tall herb and fern - Ruderal	Phase 1 Code	C3.1
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Areas of tall ruderal vegetation were noted within field compartment F1 dominated by Common Nettle and Broadleaved Dock with Red Campion, due to localised nutrient enrichment by horses grazing within the compartment.

Phase 1 Name	Standing Water – Mesotrophic	Phase 1 Code	G1.2
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There are six waterbodies located within the site boundary.

The first pond is a large permanent ornamental pond, former mill pond, located within the central area of the site. Due to the palisade fencing and access restrictions for Moseley Hall and associated parkland no access to the bankside was possible. However, from the fencing, it was noted that the pond was surrounded by broadleaved woodland with the shore line dominated by Rhododendron, mature Ash, Beech, Hawthorn and Sycamore. The shore line appears to be dominated by areas of bare earth likely due to the heavy shading and presence of wild fowl however, Male Fern was noted.

The second and third ponds lie within woodland compartment W3 adjacent to each other. While pond P2 held some water at the time of the survey (up to 20cm of water in approximately half of the base of the pond) pond P3 was completely dry, however, there was evidence that the pond does hold water at certain times of the year. Therefore, it is assumed that both ponds will be seasonally wet. Due to their location within the woodland, leaf litter dominates the pond substrate and these suffer from large amounts of fly tipping with large objects such as tyres present.

Pond P2 contained no visible aquatic / marginal vegetation with bankside vegetation dominated by woodland field-layer flora, consisting of Common Nettle and Bluebell and woodland shrubs including Bramble, Holly, Lime, Hazel and Ash. Pond P3 was similar to P2 but included Cut-leaved Crane's-bill *Geranium dissectum* within the bankside vegetation.

Both ponds, due to the steep sided banks and location, can be assumed to be historically manmade structure rather than natural.

Pond P4 is located within field compartment F1 and is a small shallow-sided field pond. At the time of the survey the pond was holding water and appeared to hold water permanently. The banksides showed some poaching along edges where horses regularly go to drink, however, this does not appear to have been detrimental to the bankside structure as semi-mature trees and shrub was present comprising of Pedunculate Oak, Sycamore and Horse Chestnut, with large areas of Bulrush *Typha latifolia* and Yellow Iris *Iris pseudacorus* encompassing much of the pond edge.

The pond itself appeared to be up to half meter in depth, however, due to the presence of a distinct drainage channel being present to the west of the pond, it is likely that the pond responds greatly with weather and will often break its banks. This ditch leads directly to the two further ephemeral ponds within the field compartment.

Pond P5 and P6 are two ephemeral ponds located within compartment F1. While P6 was dry at the time of the survey, P5 did contain a few cm of water. The banksides were extremely shallow and poaching was evident within the pond and along the bank

edges. No pond edge vegetation was denoted with only the grassland species present except a small patch of Yellow Iris noted on the banks of pond P5. However, the central area of the ponds was dominated by Water Crowfoot *Ranunculus aquatilis* especially in P5 where Broadleaved Dock and Cock's Foot *Dactylis glomerata* were present only occasionally. Within pond P6 other forbs were more frequent such as Great Willowherb *Epilobium hirsutum*, Bulbous Buttercup *Ranunculus bulbosus*, Floating Sweet-grass *Glyceria fluitans* and Field Horsetail *Equisetum arvense*, suggesting that the pond dries out more often than pond P5. All three ponds are connected and appear to drain into each other before draining into the hedgerow ditch.

Phase 1 Name	Running water	Phase 1 Code	G2
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One brook is present within the survey running east to west across the centre of the site feeding into and draining from pond P1. It is identified as Waterhead Brook.

The eastern section of the stream is approximately 2 metres in width and 1/2 metre in depth, with steep banks and a combination of silt and leaf litter substrate in the majority, however, peddles substrate was present in localised areas. While present within the survey area the stream remains heavily shaded by the adjacent woodland with banksides dominated with semi-mature to mature woodland trees and woodland ground flora comprising Yellow Archangel *Lamiastrum galeobdolon subsp. montanum*, Wood Sage, Nettle, Elder, Sycamore, Red Campion and Horse Chestnut. In localised areas aquatic vegetation is noted along its banks in the form of Pendulous and Remote Sedge. In addition, Himalayan Balsam is locally abundant along the stream just before it joins pond P1. The stream itself at the time of the survey had a moderate flow with variation in channel structure including small riffles and pools forming, otherwise the majority of the channel was straight which may indicate modification of its structure by man, likely due to the pond historical use as a mill pond.

The western section is approximately 3 metres in width and half a metre deep. A small portion of the brook has been culverted under the public footpath to the west of the pond P1, the rest being open until it meets the western boundary where it enters into a brick culvert. The stream shows a moderate flow, due to the deep brown colour of the water it can be ascertained that the stream is carrying silt downstream. However, the banks and stream floor were noted to be predominantly silt with occasional deposition of gravels.

Within woodland compartment W2 (not accessible) it could be seen that along the banks numerous ornamental planting was present including bamboo along with native woodland species such as Ash, Sycamore and Hawthorn.

Within woodland W4 the stream vegetation becomes more diverse species comprising Lords-and-Ladies, Lesser Pond-sedge, Large Bitter-cress, Wavy Bittercress, Opposite-leaved Golden-saxifrage, Tufted Hair-Grass, Broad Buckler-fern and Marsh Horsetail. While the stream itself shows naturalised meanders and variation in its structure.

Phase 1 Name	Intact Hedgerow with trees	Phase 1 Code	J2.3
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Hedgerow H1 is a Hawthorn dominant intact hedgerow with mature Pedunculate Oak trees, located along the eastern boundary of Field compartment F1, which includes occasional Sycamore, Blackthorn, Hazel and Elder with a field-layer flora comprising Male Fern, Common Nettle, Meadow Buttercup, Grey Willow *Salix cinerea*, Bluebell, Broad leaved Dock, Cuckoo flower *Cardamine pratensis*, Creeping Thistle, White Dead-nettle *Lamium album*, Red Campion and Common Hogweed. The hedgerow itself is 5m tall by 3m wide and managed on the site side to stop encroachment of the hedgerow within the adjacent field. Stock-proof fencing is present within the hedgerow.

Hedgerow H2 is Hawthorn and Blackthorn dominated intact hedgerow with mature Pedunculate Oak, Ash and Sycamore trees located along the northern boundary of field compartment F1. The hedgerow is sectioned with the eastern end dominated by Hawthorn and the western side by Blackthorn. The field-layer flora species includes Soft rush *Juncus effusus*, Meadowsweet, Field Forget-me-not, Bramble, Common Speedwell, Meadow Buttercup, Dandelion, Cleavers *Galium aparine*, Foxglove *Digitalis purpurea*, Hedge Mustard, Field Horsetail and Common Nettle. The field-layer flora is less dense under the blackthorn where it is heavily shaded, limiting the field-layer flora to few species including Cleavers, Ivy and Lesser Stitchwort. The hedgerow itself is 5m tall by 3m wide although it narrows greatly to 1.5m where Blackthorn predominates, while a dry ditch with steep sides runs the length of the hedgerow. Due to the presence of Soft Rush within the field-layer flora and that the ponds drain into the ditch it can be ascertained the ditch will hold water periodically. The hedgerow is managed through irregularly flail cutting which has caused gaps to start forming but also allowed Blackthorn to encroach into the field creating an area of dense scrub. Stock-proof fencing is present throughout the hedgerow.

Hedgerow H3 is a Holly dominated hedgerow with scrub species including Elder and two mature Ash located on the western edge of field F1. The field-layer flora is dominated by Meadowsweet, Foxglove, Soft Rush, Water Forget-me-not, Hedge Mustard and Common Field Speedwell. The hedgerow itself is 10m tall x 5m wide and is subject to irregular management which has caused the hedgerow to become defunct. A stock-proof fence is present on the outer edge of the hedgerow.

Phase 1 Name	Dry ditch	Phase 1 Code	J2.6
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Two dry ditches are present within the site boundary.

The first lies along the southern boundary of pond P1 and extends east into the broadleaved woodland where it meets the brook which intersects the northern and southern portion of the broadleaved woodland. The ditch itself where it is located south of P1 contains steep sides and is likely a drainage channel for times of heavy rainfall. However, no aquatic or marginal vegetation was noted within the ditch itself suggesting the ditch has not held water for some time. The ditch was heavily shaded by Rhododendron and contained little to no vegetation. Where the ditch intersects from P1 and extends to the brook the banks becomes shallow sided and small areas are either damp underfoot or contain a few cm of standing water. These areas denote the path of the brook otherwise it can be indistinct from the woodland. The bankside vegetation is predominantly of woodland flora with large area of bare banks. No aquatic vegetation other than Pendulous Sedge is noted along its bank.

The second ditch lies within the eastern portion of woodland W3. The ditch itself runs from adjacent offsite fields to the onsite stream. The ditch comprises of steep banks and is approximately 0.5m in width. No aquatic / marginal vegetation was noted, with the ditch substrate being predominantly pebbles and leaf litter. At the time of the survey the ditch was damp in the majority however, a small trickle of water was present in one area suggesting water levels vary greatly in line weather conditions.

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Phase 1 Name	Phase 1 Code	EHD	NERC	LBAP	Rarity	Year Recorded
Lowland Mixed Deciduous Woodland	A11		Y			2019
Hedgerows (Intact, with trees)	J23		Y			2019
Ponds (Standing Water)(Mesotrophic)	G12		Y			2019
<b>Notes</b>						

### Species of Note [2]

#### Flora

Species	Statutory	NERC	LBAP	RDL	Rarity	Axiophyte	Year Recorded
<i>Adoxa moschatellina</i> - Moschatel					R	BBCF_Ax	2008
<i>Anemone nemorosa</i> - Wood Anemone					F	BBCF_Ax	1988
<i>Angelica sylvestris</i> - Wild Angelica					F	BBCF_Ax	2000
<i>Athyrium filix-femina</i> - Lady-fern					F	BBCF_Ax	2000
<i>Brachypodium sylvaticum</i> - False-brome					F	BBCF_Ax	2000
<i>Bromopsis ramosa</i> - Hairy-brome					F	BBCF_Ax	2000
<i>Caltha palustris</i> - Marsh-marigold					F	BBCF_Ax	2000
<i>Cardamine amara</i> - Large Bitter-cress					R	BBCF_Ax	2000
<i>Carex acutiformis</i> - Lesser Pond-sedge					F	BBCF_Ax	1989
<i>Carex remota</i> - Remote Sedge					F	BBCF_Ax	2000
<i>Carex sylvatica</i> - Wood-sedge					U	BBCF_Ax	2019
<i>Chrysosplenium oppositifolium</i> - Opposite-leaved Golden-saxifrage					U	BBCF_Ax	2000
<i>Cirsium palustre</i> - Marsh Thistle					F	BBCF_Ax	2000
<i>Dioscorea communis</i> - Black Bryony					F	BBCF_Ax	2000
<i>Epipactis helleborine</i> - Broad-leaved Helleborine			Y		R	BBCF_Ax	2000
<i>Equisetum fluviatile</i> - Water Horsetail					U	BBCF_Ax	1989
<i>Equisetum palustre</i> - Marsh Horsetail					U	BBCF_Ax	2019
<i>Festuca gigantea</i> - Giant Fescue					F	BBCF_Ax	2000
<i>Filipendula ulmaria</i> - Meadowsweet					F	BBCF_Ax	1989
<i>Hyacinthoides non-scripta</i> - Bluebell	WCA S8		Y		C		2000
<i>Mercurialis perennis</i> - Dog's Mercury					F	BBCF_Ax	2000
<i>Moehringia trinervia</i> - Three-nerved Sandwort					R	BBCF_Ax	1989
<i>Oxalis acetosella</i> - Wood-sorrel				RLGB .Lr(NT )	U	BBCF_Ax	2000
<i>Persicaria hydropiper</i> - Water-pepper					U	BBCF_Ax	1989
<i>Poa nemoralis</i> - Wood Meadow-grass					U	BBCF_Ax	2019
<i>Quercus petraea</i> - Sessile Oak					U	BBCF_Ax	2000
<i>Ribes rubrum</i> - Red Currant					U		1989
<i>Rorippa microphylla</i> - Narrow-fruited Water-cress					VR		1989
<i>Stellaria alsine</i> - Bog Stitchwort					U	BBCF_Ax	1989
<i>Teucrium scorodonia</i> - Wood Sage					U	BBCF_Ax	2019
<i>Valeriana officinalis</i> - Common Valerian				RLGB .Lr(NT )	R	BBCF_Ax	1989
<i>Veronica beccabunga</i> - Brooklime					F	BBCF_Ax	2000
<i>Veronica montana</i> - Wood Speedwell					U	BBCF_Ax	1989
<i>Veronica officinalis</i> - Heath Speedwell				RLGB .Lr(NT )	R	BBCF_Ax	2000
<i>Viburnum lantana</i> - Wayfaring-tree					R		2019

**Notes** The flora list provided are known species recorded within the site boundary.

#### Fauna

Species	Statutory	NERC	LBAP	RDL	Concern	Rarity	Year Recorded
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Bird								
<i>Anas platyrhynchos</i> - Mallard						<b>BAmb</b>	<b>C</b>	<b>1989</b>
<i>Apus apus</i> - Swift						<b>BAmb</b>	<b>C</b>	<b>1989</b>
<i>Columba oenas</i> – Stock Dove						<b>BAmb</b>	<b>F</b>	<b>1989</b>
<i>Delichon urbicum</i> – House Martin						<b>BAmb</b>	<b>F</b>	<b>1989</b>
<i>Emberiza citronella</i> - Yellowhammer		Y				<b>BRed</b>	<b>C</b>	<b>1989</b>
<i>Motacilla cinerea</i> – Grey Wagtail						<b>BRed</b>	<b>F</b>	<b>2000</b>
<i>Muscicapa striata</i> - Spotted Flycatcher		Y				<b>BRed</b>	<b>F</b>	<b>1989</b>
<i>Passer domesticus</i> – House Sparrow		Y				<b>BRed</b>	<b>VC</b>	<b>1989</b>
<i>Poecile montana</i> – Willow Tit		Y				<b>BRed</b>	<b>F</b>	<b>1989</b>
<i>Pyrrhula pyrrhula</i> - Bullfinch		Y				<b>BAmb</b>	<b>C</b>	<b>1989</b>
<i>Strix aluco</i> – Tawny Owl						<b>BAmb</b>	<b>F</b>	<b>1989</b>
<i>Sturnus vulgaris</i> – Starling		Y				<b>BRed</b>	<b>VC</b>	<b>1989</b>
<i>Turdus philomelos</i> – Song Thrush		Y	Y			<b>BRed</b>	<b>C</b>	<b>2000</b>
<i>Turdus viscivorus</i> – Mistle Thrush						<b>BRed</b>	<b>C</b>	<b>2000</b>
<b>Invertebrates</b>								
<i>Coenonympha pamphilus</i> – Small Heath		Y			RLGB. Lr(NT)		<b>U</b>	<b>2000</b>
<b>Mammals</b>								
<i>Lepus europaeus</i> – Brown Hare		Y	Y		ND		<b>R</b>	<b>2004</b>
<i>Meles meles</i> – Eurasian Badger	PBA						<b>C</b>	<b>2000</b>
<i>Mustela ermine</i> – Stoat							<b>U</b>	<b>2000</b>
<i>Mustela nivalis</i> - Weasel							<b>U</b>	<b>1988</b>
<i>Neomys fodiens</i> - Eurasian Water Shrew							<b>R</b>	<b>1989</b>
<i>Sorex araneus</i> - Eurasian Common Shrew						MS_Statu s_Dec	<b>U</b>	<b>1989</b>
<b>Notes</b>	During the Local site survey, a one hole outlier Badger <i>Meles meles</i> sett was identified within woodland compartment W1, at the time of survey it was assessed to be partially used.							

#### Site/Habitat Suitability for Other Species of Note (not recorded during the survey)

<b>Description/Notes</b>	<p>The mature trees on site have potential to provide roosting features for bats. While the hedgerow and broadleaved woodland provides foraging and commuting habitat for the local bat populace.</p> <p>The ponds noted on-site offer potential aquatic habitat for Great Crested Newt <i>Triturus cristatus</i> and other amphibians. The inundation areas and ponds within field compartment F1 contain suitable egg-laying material, in forming of Floating Sweet-grass, and being adjacent to optimal terrestrial habitat in the form of hedgerow and woodland. In addition, the network of hedgerows on site provides sheltering and commuting habitat for Great Crested Newt and other amphibians.</p> <p>The habitats on site provide suitable foraging habitat for the European Hedgehog <i>Erinaceus europaeus</i>.</p>
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#### Invasive Species [3]

Species	Location	Abundance (DAFOR)	Year Recorded
<i>Impatiens glandulifera</i> – Himalayan Balsam	SJ931037	Abundant (Locally)	2019
<i>Rhododendron ponticum</i> - Rhododendron	SJ931037, SJ933037 and SJ930037	Abundant	2019
<b>Notes</b>			

#### Geology

<b>Solid/Drift Formation</b>	The site is encompassed by Chester formation – Sandstone and conglomerate. Superficial deposits of Till, Devensian – Diamicton are recorded in around half of the site.
<b>Description</b>	Chester Formation - Sandstone and conglomerate, interbedded. Sedimentary bedrock formed between 250 and 247.1 million years ago during the Triassic period.
<b>Features of Value</b>	
1	None recorded.

#### Soils

The flora species present across the site suggest the soils are predominantly neutral.
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#### Public Access & Site Usage

<b>Land Use</b>	A combination of public open space, horse grazing pasture and privately owned parkland.
<b>Access Level</b>	Unrestricted except for the woodland compartment W2, the northern section of W1 and field F1 which is restricted.
<b>Access Type(s)</b>	The southern section of woodland compartment W1 and W3 is open to the public and contains a number of public rights of way. However, the northern section of W1, W2 and F1 is restricted.

### Comparison with Previous Survey(s) Results

Previous surveys have been undertaken in 1989 and 2000 when the Birmingham and Black Country Wildlife Trust undertook Local Site Assessments of Moseley Hall SINC. Both concluded that the site met the threshold for SINC status and as such the site has retained the designation since 1977. However, the northern field compartment was not included within the assessment. With the 2000 Local Site Assessment report providing management recommendations focused on maintaining and enhancing the current diverse woodland with thinning, coppicing and new planting, with a focus on Sycamore control. With the aim to maintain the natural composition of the woodland.

### Summary of Assessment

When assessed against the Birmingham & Black Country Local Sites Selection Criteria Moseley Hall scores High against most of the ecological criteria. The site, therefore, meets the threshold for selection as a Site of Importance for Nature Conservation (SINC).

### Recommendations (including further survey & site management/enhancement)

<b>1</b>	The intact hedgerows should be placed under active management to maintain and enhance the hedgerow structure and density. This should involve annual trimming outside nesting bird season. It should also include the infilling of any sparse areas, with native species, to enhance species diversity.
<b>2</b>	Removal of invasive species such as Himalayan balsam to prevent further spread within the surrounding habitats.
<b>3</b>	Control Sycamore understorey to ensure species diversity within the woodland. Areas with few Sycamores could have all Sycamore removed, whilst dense Sycamore could be managed to gradually remove it.
<b>4</b>	Control of Rhododendron and Cherry Laurel should be considered to prevent areas becoming further dominated, such as an area in the north section of Wood W1 and around Pond P1, that lack tree regeneration and establishment of marginal wetland vegetation, respectively.
<b>5</b>	Woodland pond (P2 and P3) would respond positively to the clearance of the silt and rubbish accumulation within them. This would allow wetland species to establish in the area.
<b>6</b>	The onsite ditches should be retained and managed by traditional means with minimal disturbance.
<b>7</b>	Details of the ecological value of the site and advice on how best to manage the survey area to retain its value should be provided to the private landowner.
<b>8</b>	Further fauna surveys, in particular for Great Crested Newt and bats, should be undertaken to access the value of the site for protected species.

### Data Sources

	<b>Source</b>	<b>Date</b>
<b>Species and Habitat Data Source(s)</b>	Samantha Pritchard and Tanya Petrovic, The Wildlife Trust for Birmingham and the Black Country Ecorecord data search 2018	17/05/2019
<b>Geological Data Source(s)</b>	British Geological Society 1:50,000 bedrock & superficial deposits GIS web map services from BGS website	18/06/2019
<b>Historic Data Sources(s)</b>	Ordnance Survey Country Series Mapping 1884 – 1992. Quigley, P. 2010 Black Country Historic Landscape Characterisation, electronic dataset, Wolverhampton City Council. Google earth pro historical Imagery, November 2019	15/11/2019
<b>Assessment Author and Organisation</b>	Samantha Pritchard, The Wildlife Trust for Birmingham and the Black Country	15/11/2019

### [1] Definitions of Local Sites in B&BC (SINCs & SLINCs) and Potential Sites of Importance (PSIs)

In Birmingham and the Black Country Local Wildlife and Geological Sites encompass what are termed Sites of Importance for Nature Conservation (SINCs) and Sites of Local Importance for Nature Conservation (SLINCs). This two-tier system aims to ensure that all sites of substantive local nature conservation and geological value are selected by assessing sites in both a sub-regional (i.e. Birmingham and the Black Country) and metropolitan borough or city context (either Birmingham, Dudley, Sandwell, Walsall or Wolverhampton). The two designations are defined as:

- Site of Importance for Nature Conservation (SINC) - Sites of substantive nature conservation value in the context of Birmingham and the Black Country.
- Site of Local Importance for Nature Conservation (SLINC) - Sites of substantive nature conservation value in the context of a metropolitan borough.

Potential Sites of Importance (PSIs) have not yet been assessed against the Local Wildlife and Geological Sites selection criteria but may potentially support species of note, areas of important semi-natural habitat or valuable geological features. PSIs are identified primarily through the use of aerial photography, but also through reference to old maps, existing records and local knowledge. Commonly these sites will not have been subject to the survey work necessary to undertake a Local Wildlife and Geological Sites assessment.

## [2] Habitats/Species of Note Tables – Attribute Definitions

**STATUTORY (PROTECTED)** - **EHD** = EU Habitats Directive (plus where relevant the Annexe II or IV) | **WCA S1** = Wildlife & Countryside Act Schedule 1 (birds protected at all times) | **WCA S5** = Wildlife & Countryside Act Schedule 5 (animals with various levels of protection) | **WCA S8** = Wildlife & Countryside Act Schedule 8 (higher and lower plants with various levels of protection) | **PBA** = Protection of Badgers Act 1992 | **HabRegs2** = The Conservation (Natural Habitats, &c.) Regulations 2010 (Schedule 2) | **HabRegs4** = The Conservation (Natural Habitats, &c.) Regulations 2010 (Schedule 4).

**NERC** – **Y** = Habitats/Species included on the current list of Principal Importance in England under Section 41 of the NERC Act (2006 or amended).

**LBAP** – **Y** = Habitats/Species included on the latest B&BC LBAP list of Priority Habitats/Species.

**RDL** - Species included on Global IUCN & British Red Data Lists: **RLGB.EN** = IUCN (2001) – Endangered | **RLGB.VU** = IUCN (2001) – Vulnerable | **RDBGB.R** = IUCN (pre 1994) – Rare | **RLGB.Lr(NT)** = IUCN (2001) - Lower risk - near threatened | **RDBGB.IK** = RDB - Insufficient known | **RLGB.DD** = IUCN (2001) - Data Deficient

**RARITY (HABITATS) - BIRMINGHAM & BLACK COUNTRY** - **Y** = Habitats included on the B&BC list of locally rare habitats (administered by EcoRecord).

**RARITY (FLORA SPECIES) - BIRMINGHAM & BLACK COUNTRY** - (based on data held and managed by EcoRecord): **VR** = Very Rare - a species present in less than 1.0% of 1Km squares, tetrads, or 5Km squares in B&BC | **R** = Rare - a species present in 1.0% - 4.3% of 1Km squares, tetrads, or 5Km squares in B&BC | **U** = Uncommon - a species present in 4.3% - 12% of 1Km squares, tetrads or 5Km squares in B&BC | **NR** = no recent B&BC records.

**AXIOPHYTE - BBCF\_Ax** = included on the Birmingham & the Black Country list of axiophytes (administered by EcoRecord).

**YEAR** - The most recent year the species has been recorded.

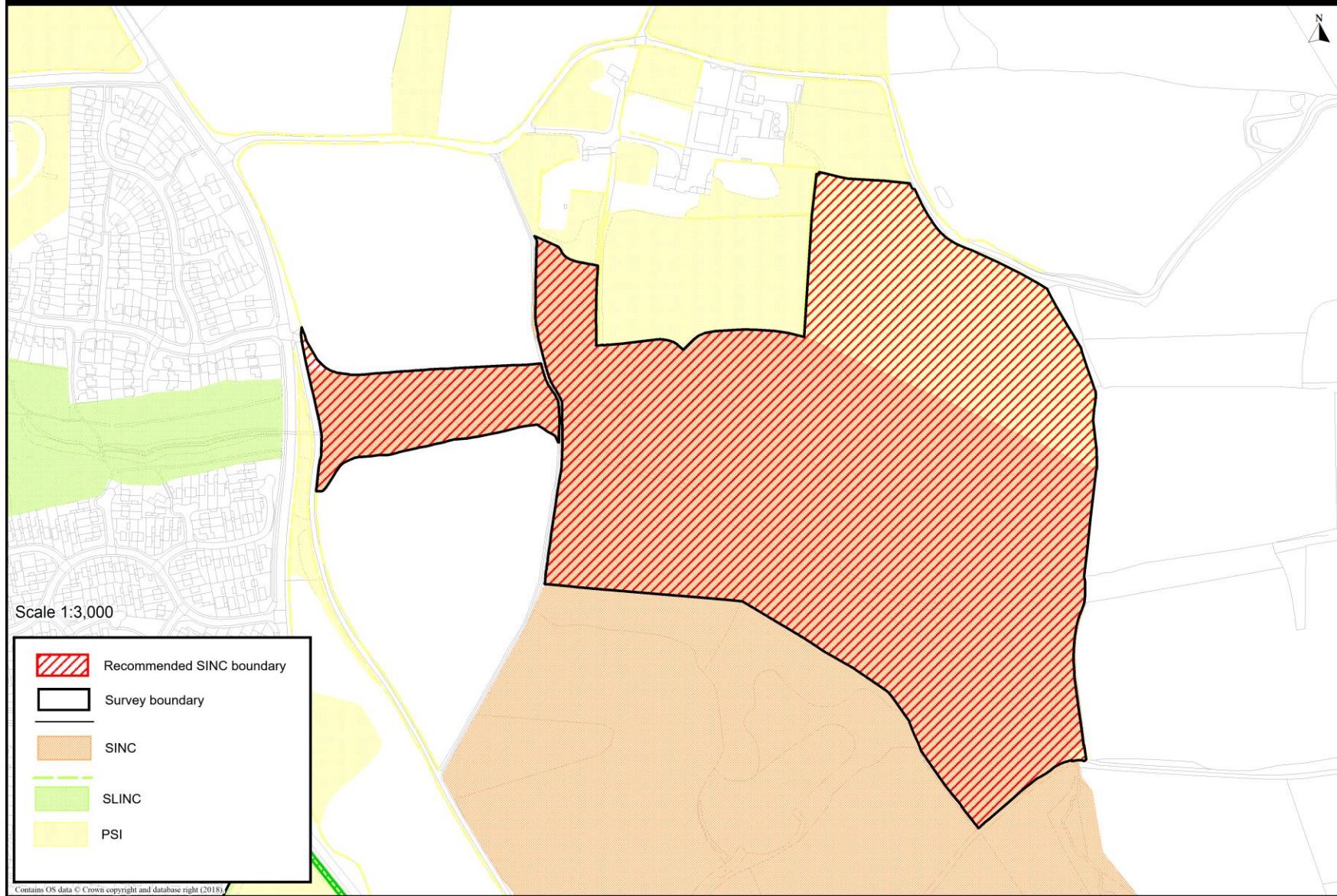
### **CONCERN (FAUNA SPECIES OF CONSERVATION CONCERN) -**

Birds: **BRed** = Birds of Conservation Concern Red List - bird species of high conservation priority needing urgent conservation action. This encompasses species that are Globally Threatened according to the International Union for Nature Conservation criteria; those whose population or range has declined rapidly in recent years; and those that have declined historically and not shown a substantial recent recovery. **BAmb** = Bird of Conservation Concern Amber List – bird species with an unfavourable conservation status in Europe; those whose population or range has declined moderately in recent years; those whose population has declined historically but made a substantial recent recovery; rare breeders; and those with internationally important or localised populations.

**[3] Species listed on Schedule 9 part 1 (animals) and part 2 (plants) of the Wildlife and Countryside Act 1981 as amended** - this lists animals which may not be released or allowed to escape into the wild and plants which may not be planted or otherwise caused to grow in the wild.

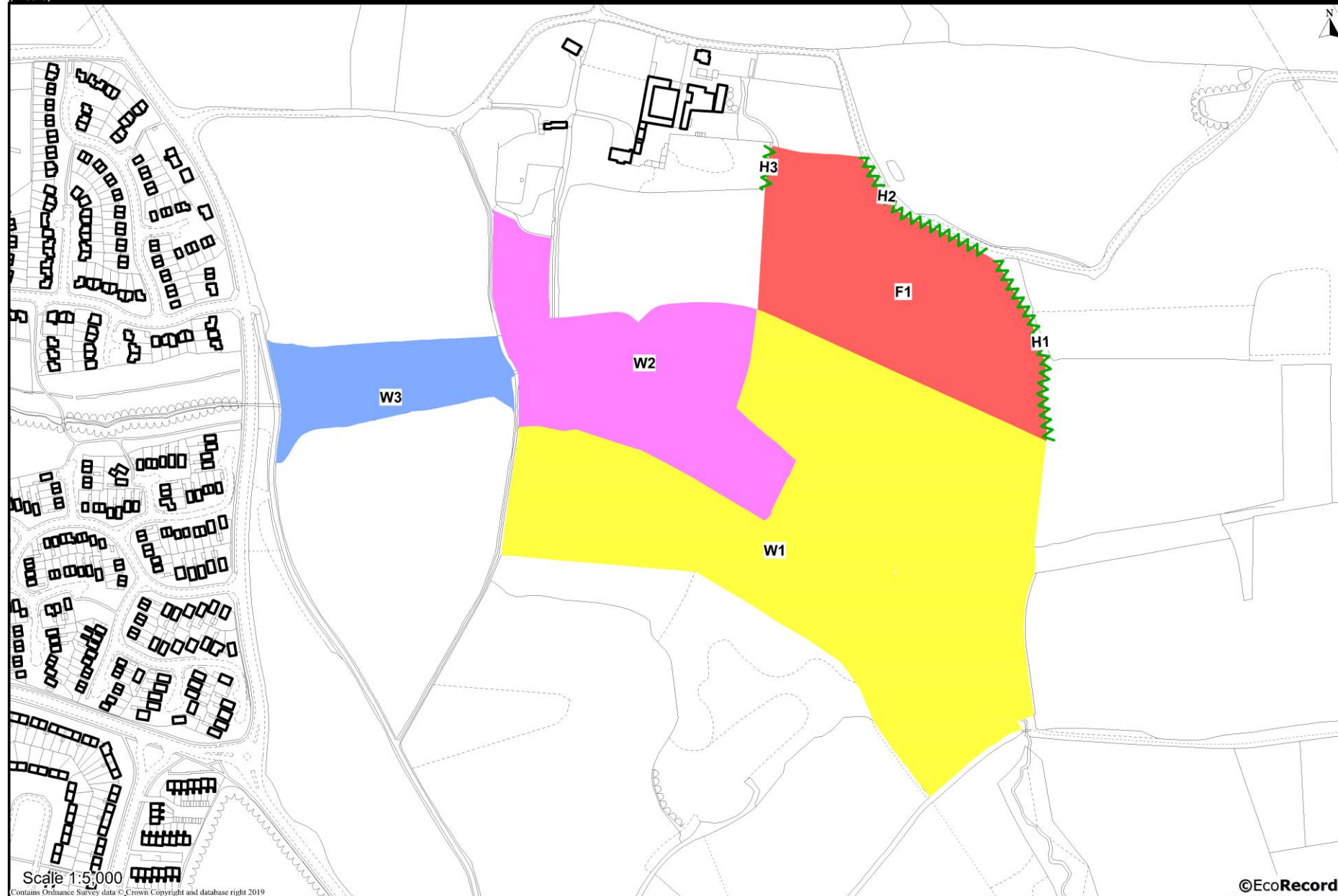


# Map 1: Moseley Hall Current & Recommended Designation





# Map 2: Moseley Hall Compartment Map - 12.11.2019



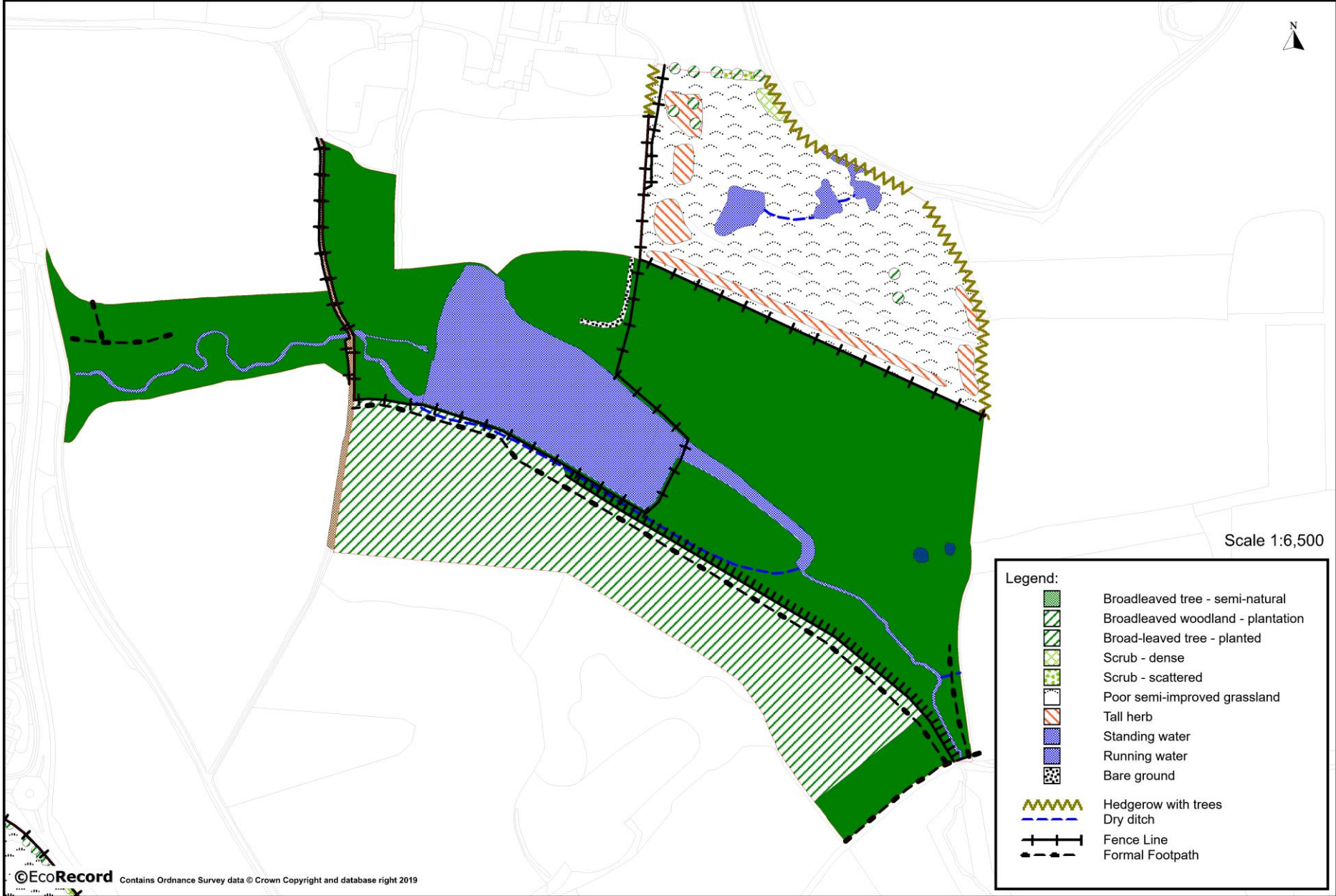
Scale 1:5,000

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Map 3: Moseley Hall Area of Probable Ancient Woodland





Scale 1:6,500

**Legend:**

- Broadleaved tree - semi-natural
- Broadleaved woodland - plantation
- Broad-leaved tree - planted
- Scrub - dense
- Scrub - scattered
- Poor semi-improved grassland
- Tall herb
- Standing water
- Running water
- Bare ground
- Hedgerow with trees
- Dry ditch
- Fence Line
- Formal Footpath

### Map 5: Moseley Hall Phase 1 Habitat Map - Woodland W2 and W3



### Map 6: Moseley Hall Phase 1 Habitat Map - Field F1





### Map 7: Moseley Hall Phase 1 Habitat Map - Woodland W2 and W3

Along the brook the woodland takes on characteristics of a wet woodland comprising goat willow, common sallow, lesser pond sedge, large bittercress and opposite leaved golden-saxifrage.

Semi-natural Alder and Ash woodland with Pedunculate Oak, Field Maple, Sycamore, Hazel and Hawthorn.

Restricted area of semi-natural Beech, Ash and Pendunculate Oak woodland with a dense understorey of Holly, Yew, Sycamore, Ash and Pedunculate Oak.

Evidence of a remanent hedgerow is present consisting of semi-mature Pedunculate Oak and Ash.

Waterhead Brook feeds from the ornamental pond into this section woodland through naturalised meanders at a moderate flow rate.

Pond P1 is a large ornamental pond with a shore line dominated by Rhododendron and the adjacent broadleaved woodland.

Scale 1:6,500

Legend:

- Broadleaved tree - semi-natural
- Standing water
- Running water
- Bare ground
- Fence Line
- Formal Footpath

## Site Photographs



Photograph 1: Area of semi-natural broadleaved woodland within compartment W3



Photograph 2: Waterhead Brook abounded by wet woodland habitat





Photograph 3: Horse grazed species poor semi-improved grassland field containing numerous mature Pedunculate Oak trees and three waterbodies.



Photograph 4: Eastern end of pond P4 showing the extent of marginal vegetation and bankside trees present. Fallen dead wood can also be seen within the photo.



Photograph 5: Pond P5 at the time of the survey holds a few centimetres of water in areas with Common Water-crowfoot dominating the surface of the pond.



Photograph 6: Localised damp areas along the dry ditch within Woodland W1.



Photograph 7: Area of broadleaved woodland plantation with limited understorey.



Photograph 9: Small section of remnant hedgerow along the northern boundary of Field F1 containing areas of scattered Hawthorn scrub and mature Pedunculate Oak.

## Species Records

### FLORA

**Compartment F1 - The Brockills (east)**

Scientific Name	Common Name
<i>Acer pseudoplatanus</i>	Sycamore
<i>Achillea millefolium</i>	Yarrow
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass
<i>Arrhenatherum elatius</i>	False Oat-grass
<i>Caltha palustris</i>	Marsh-marigold
<i>Cerastium fontanum</i>	Common mouse-ear
<i>Cirsium arvense</i>	Creeping Thistle
<i>Epilobium hirsutum</i>	Great Willowherb
<i>Equisetum arvense</i>	Field Horsetail
<i>Galium aparine</i>	Cleavers
<i>Glyceria fluitans</i>	Floating Sweet-grass
<i>Holcus lanatus</i>	Yorkshire-fog
<i>Iris pseudacorus</i>	Yellow Iris
<i>Lolium perenne</i>	Perennial Rye-grass
<i>Myosotis arvensis</i>	Meadow Forget-me-not
<i>Plantago major</i>	Greater Plantain
<i>Poa annua</i>	Annual Meadow-grass
<i>Poa trivialis</i>	Rough Meadow-grass
<i>Prunus spinosa</i>	Blackthorn
<i>Quercus robur</i>	Pedunculate Oak
<i>Ranunculus bulbosus</i>	Bulbous Buttercup
<i>Ranunculus repens</i>	Creeping Buttercup
<i>Rumex obtusifolius</i>	Broad-leaved Dock
<i>Senecio jacobaea</i>	Common Ragwort
<i>Silene dioica</i>	Red Campion
<i>Stellaria media</i>	Common Chickweed
<i>Taraxacum officinale agg.</i>	Dandelion
<i>Trifolium repens</i>	White Clover
<i>Typha latifolia</i>	Bulrush
<i>Urtica dioica</i>	Common Nettle
<i>Urtica urens</i>	Small Nettle
<i>Veronica persica</i>	Common Field-speedwell

**Compartment H1 - The Brockhills (east) Hedge - east**

Scientific Name	Common Name
<i>Acer pseudoplatanus</i>	Sycamore
<i>Cardamine pratensis</i>	Cuckooflower
<i>Cirsium arvense</i>	Creeping Thistle
<i>Corylus avellana</i>	Hazel
<i>Crataegus monogyna</i>	Hawthorn
<i>Dryopteris filix-mas</i>	Male-fern
<i>Heracleum sphondylium</i>	Hogweed
<i>Hyacinthoides non-scripta</i>	Bluebell
<i>Lamium album</i>	White Dead-nettle
<i>Prunus spinosa</i>	Blackthorn
<i>Quercus robur</i>	Pedunculate Oak
<i>Ranunculus acris</i>	Meadow Buttercup

<i>Rumex obtusifolius</i>	Broad-leaved Dock
<i>Salix cinerea subsp. oleifolia</i>	Rusty Willow
<i>Sambucus nigra</i>	Elder
<i>Silene dioica</i>	Red Campion
<i>Urtica dioica</i>	Common Nettle

### Compartment H2 - Moseley Road Hedge - south

Scientific Name	Common Name
<i>Acer pseudoplatanus</i>	Sycamore
<i>Cardamine pratensis</i>	Cuckooflower
<i>Crataegus monogyna</i>	Hawthorn
<i>Digitalis purpurea</i>	Foxglove
<i>Equisetum arvense</i>	Field Horsetail
<i>Filipendula ulmaria</i>	Meadowsweet
<i>Fraxinus excelsior</i>	Ash
<i>Galium aparine</i>	Cleavers
<i>Hedera helix subsp. helix</i>	Common Ivy
<i>Ilex aquifolium</i>	Holly
<i>Juncus effusus</i>	Soft-rush
<i>Myosotis scorpioides</i>	Water Forget-me-not
<i>Prunus spinosa</i>	Blackthorn
<i>Quercus robur</i>	Pedunculate Oak
<i>Ranunculus repens</i>	Creeping Buttercup
<i>Rubus fruticosus agg.</i>	Bramble
<i>Sisymbrium officinale</i>	Hedge Mustard
<i>Stellaria graminea</i>	Lesser Stitchwort
<i>Taraxacum officinale agg.</i>	Dandelion
<i>Urtica dioica</i>	Common Nettle
<i>Veronica persica</i>	Common Field-speedwell

### Compartment H3 - The Brockhills (east) Hedge - west

Scientific Name	Common Name
<i>Fraxinus excelsior</i>	Ash
<i>Galium aparine</i>	Cleavers
<i>Ilex aquifolium</i>	Holly
<i>Ranunculus repens</i>	Creeping Buttercup
<i>Sambucus nigra</i>	Elder
<i>Taraxacum officinale agg.</i>	Dandelion
<i>Urtica dioica</i>	Common Nettle

### Compartment W1

Scientific Name	Common Name
<i>Acer pseudoplatanus</i>	Sycamore
<i>Acer platanoides</i>	Norway Maple
<i>Aesculus hippocastanum</i>	Horse-chestnut
<i>Alliaria petiolata</i>	Garlic Mustard
<i>Alnus glutinosa</i>	Alder
<i>Angelica sylvestris</i>	Wild Angelica
<i>Anisantha sterilis</i>	Barren Brome

<i>Anthriscus sylvestris</i>	Cow Parsley
<i>Arum maculatum</i>	Lords-and-Ladies
<i>Betula pendula</i>	Silver Birch
<i>Carex pendula</i>	Pendulous Sedge
<i>Carex remota</i>	Remote Sedge
<i>Carex sylvatica</i>	Wood-sedge
<i>Carpinus betulus</i>	hornbeam
<i>Castanea sativa</i>	Sweet Chestnut
<i>Circaea lutetiana</i>	Enchanter's-nightshade
<i>Cornus sanguinea</i>	Dogwood
<i>Corylus avellana</i>	Hazel
<i>Crataegus monogyna</i>	Hawthorn
<i>Deschampsia cespitosa</i>	Tufted Hair-Grass
<i>Dryopteris filix-mas</i>	Male-fern
<i>Epilobium hirsutum</i>	Great Willowherb
<i>Fagus sylvatica</i>	Beech
<i>Filipendula ulmaria</i>	Meadowsweet
<i>Fraxinus excelsior</i>	Ash
<i>Galium aparine</i>	Cleavers
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill
<i>Geranium robertianum</i>	Herb-Robert
<i>Geum urbanum</i>	Wood Avens
<i>Hedera helix subsp. helix</i>	Common Ivy
<i>Heracleum sphondylium</i>	Hogweed
<i>Hyacinthoides non-scripta</i>	Bluebell
<i>Ilex aquifolium</i>	Holly
<i>Impatiens glandulifera</i>	Indian Balsam
<i>Lamium purpureum</i>	Yellow Archangel
<i>Lamium purpureum</i>	Red Dead-nettle
<i>Lonicera periclymenum</i>	Honeysuckle
<i>Mercurialis perennis</i>	Dog's Mercury
<i>Oxalis acetosella</i>	Wood-sorrel
<i>Pinus sylvestris</i>	Scots Pine
<i>Poa nemoralis</i>	Wood Meadow-grass
<i>Prunus avium</i>	Wild Cherry
<i>Quercus robur</i>	Pedunculate Oak
<i>Ranunculus repens</i>	Creeping Buttercup
<i>Rhododendron ponticum</i>	flowering plant
<i>Ribes</i>	Currant
<i>Rubus fruticosus agg.</i>	Bramble
<i>Rubus idaeus</i>	Raspberry
<i>Rumex obtusifolius</i>	Broad-leaved Dock
<i>Rumex sanguineus</i>	Wood Dock
<i>Salix euxina x alba = S. x fragilis</i>	Hybrid Crack-willow
<i>Sambucus nigra</i>	Elder
<i>Silene dioica</i>	Red Campion
<i>Sisymbrium officinale</i>	Hedge Mustard
<i>Sorbus aucuparia</i>	Rowan
<i>Stachys sylvatica</i>	Hedge Woundwort

<i>Taraxacum officinale</i> agg.	Dandelion
<i>Taxus baccata</i>	Yew
<i>Teucrium scorodonia</i>	Wood Sage
<i>Tilia platyphyllos</i> x <i>cordata</i> = <i>T. x europaea</i>	Lime
<i>Urtica dioica</i>	Common Nettle
<i>Urtica urens</i>	Small Nettle
<i>Veronica persica</i>	Common Field-speedwell
<i>Viburnum lantana</i>	Wayfaring-tree
<i>Viola riviniana</i>	Common Dog-violet

### Compartment W3 - Waterhead Brook Wood

Scientific Name	Common Name
<i>Acer campestre</i>	Field Maple
<i>Acer platanoides</i>	Norway Maple
<i>Acer pseudoplatanus</i>	Sycamore
<i>Aesculus hippocastanum</i>	Horse-chestnut
<i>Alliaria petiolata</i>	Garlic Mustard
<i>Alnus glutinosa</i>	Alder
<i>Anemone nemorosa</i>	Wood Anemone
<i>Apium nodiflorum</i>	Fool's-water-cress
<i>Arum maculatum</i>	Lords-and-Ladies
<i>Brachypodium sylvaticum</i>	False-brome
<i>Caltha palustris</i>	Marsh-marigold
<i>Cardamine amara</i>	Large Bitter-cress
<i>Cardamine flexuosa</i>	Wavy Bitter-cress
<i>Carex acutiformis</i>	Lesser Pond-sedge
<i>Chrysosplenium oppositifolium</i>	Opposite-leaved Golden-saxifrage
<i>Circaea lutetiana</i>	Enchanter's-nightshade
<i>Conopodium majus</i>	Pignut
<i>Corylus avellana</i>	Hazel
<i>Crataegus monogyna</i>	Hawthorn
<i>Deschampsia cespitosa</i>	Tufted Hair-Grass
<i>Dryopteris dilatata</i>	Broad Buckler-fern
<i>Dryopteris filix-mas</i>	Male-fern
<i>Equisetum arvense</i>	Field Horsetail
<i>Equisetum palustre</i>	Marsh Horsetail
<i>Fagus sylvatica</i>	Beech
<i>Fraxinus excelsior</i>	Ash
<i>Galium aparine</i>	Cleavers
<i>Geranium robertianum</i>	Herb-Robert
<i>Geum urbanum</i>	Wood Avens
<i>Hedera helix</i> subsp. <i>helix</i>	Common Ivy
<i>Heracleum sphondylium</i>	Hogweed
<i>Hyacinthoides non-scripta</i>	Bluebell
<i>Ilex aquifolium</i>	Holly
<i>Lamium galeobdolon</i> subsp. <i>argentatum</i>	Yellow Archangel
<i>Lapsana communis</i>	Nipplewort

<i>Larix decidua</i>	European Larch
<i>Mercurialis perennis</i>	Dog's Mercury
<i>Oxalis acetosella</i>	Wood-sorrel
<i>Poa trivialis</i>	Rough Meadow-grass
<i>Prunus avium</i>	Wild Cherry
<i>Prunus cerasifera</i>	Cherry Plum
<i>Prunus laurocerasus</i>	Cherry Laurel
<i>Quercus robur</i>	Pedunculate Oak
<i>Ranunculus ficaria</i>	Lesser Celandine
<i>Ranunculus repens</i>	Creeping Buttercup
<i>Ribes</i>	Currant
<i>Rosa arvensis</i>	Field-rose
<i>Rosa canina</i>	Dog-rose
<i>Rubus fruticosus agg.</i>	Bramble
<i>Rumex obtusifolius</i>	Broad-leaved Dock
<i>Rumex sanguineus</i>	Wood Dock
<i>Salix caprea</i>	Goat Willow
<i>Salix cinerea</i>	Common Sallow
<i>Salix euxina x alba = S. x fragilis</i>	Hybrid Crack-willow
<i>Sambucus nigra</i>	Elder
<i>Silene dioica</i>	Red Campion
<i>Solanum dulcamara</i>	Bittersweet
<i>Stachys sylvatica</i>	Hedge Woundwort
<i>Urtica dioica</i>	Common Nettle
<i>Valeriana officinalis</i>	Common Valerian
<i>Viola riviniana</i>	Common Dog-violet

## FAUNA

### Whole Site

Scientific Name	Common Name
<i>Anas platyrhynchos</i>	<i>Mallard</i>
<i>Branta canadensis</i>	<i>Canada Goose</i>
<i>Parus major</i>	<i>Great Tit</i>
<i>Pica pica</i>	<i>Magpie</i>
<i>Turdus merula</i>	<i>Blackbird</i>
<i>Meles meles</i>	<i>Eurasian Badger</i>