

Grainger Plc
 Ecological appraisal, School land at Berewood, WaterlooVille

Site name	Conservation status	Distance and direction from site (km)	Size (Ha)	Habitat description
				through agricultural intensification. Their close juxtaposition here is of particular value as an invertebrate habitat.
Portsmouth	SSSI	2.3 south	69.15	Portsmouth is notified for its geological importance.
Langstone Harbour	SSSI	4.2 southeast	2,069	A tidal basin with extensive mudflats, marshland and reedbeds supporting internationally important numbers of overwintering waders.
Farlington Marshes	LNR	4.2 southeast	119.68	Farlington marshes comprise grazed wildflower rich-marshes. The site is internationally important for bird populations, and is a popular location for observing butterflies.
Hazelton Common	LNR	4.2 northeast	17.45	A large area of heathland, mixed scrub and wooded dells with ponds and wetland area, supporting many species of reptile, dragonfly and other invertebrates. Bracken has spread in some areas, a few patches of heather survive, mostly mixed with extensive areas of gorse where there is a good breeding population of stonechats (<i>Saxicola torquata</i>).
Yeoll's Copse	LNR	4.4 northeast	5.48	A precious fragment of Ancient Woodland with a small wetland area on the north side and now surrounded on three sides by housing development. Unusual plants include common cow wheat

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				(<i>Melampyrum pratense</i>) and butchers broom (<i>Ruscus aculeatus</i>).
Dell Piece West	LNR	4.8 northeast	4.06	Well-wooded borders, unimproved grassland, damp marshy ground and a large shallow pond provides habitat for a rich variety of wildlife that includes various butterflies, dragonflies and reptiles.
Newlands Row and Plant Row	SINC ⁶	0 (directly adjacent)	5.35	Ancient semi-natural woodlands. A site that supports dormouse (<i>Muscardinus avellanarius</i>) populations.
Newlands Farm Meadow	SINC	0.1 south east	3.75	Semi improved grassland which retain a significant element of unimproved grassland.
Sheepwash/Tattle/Dunsland Coppices	SINC	0.2 west	20.06	Ancient semi-natural woodlands. A site that supports dormouse populations.
Alsfordmoor Coppice	SINC	0.3 south	5.66	Woodland where there is a significant element of ancient semi-natural woodland surviving. They comprise important community types of restricted distribution in the County, such as yew (<i>Taxus baccata</i>) woods and alder (<i>Alnus glutinosa</i>) swamp woods. A site that supports dormouse populations.
Marrelsmoor Row	SINC	0.5 southeast	0.7	Ancient semi-natural woodlands.
Marrelsmoor Coppice	SINC	0.7 southeast	3.05	Ancient semi-natural woodlands. A site that supports dormouse

⁶ SINC: Site of Importance for Nature Conservation

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Site name	Conservation status	Distance and direction from site (km)	Size (Ha)	Habitat description
				populations.
Drivetts Coppice	SINC	0.7 southwest	63.70	Ancient semi-natural woodlands.
Pound Coppice Remnant	SINC	0.8 east	1.23	Woodland where there is a significant element of ancient semi-natural woodland surviving. A site that supports dormouse populations.
Broomground Coppice/Potwell Coppice	SINC	0.8 southwest	19.95	Ancient semi-natural woodlands. Woodland where there is a significant element of ancient semi-natural woodland surviving. They comprise important community types of restricted distribution in the County, such as yew woods and alder swamp woods.
Aldermoor Meadow Part	SINC	1.0 south	1.93	Fens, flushes, seepages, springs, inundation grasslands etc. that support a flora and fauna characteristic of unimproved and waterlogged (seasonal or permanent) conditions.
Sandy and Aldermoor Coppices	SINC	1.1 south	6.18	Ancient semi-natural woodlands.
Purbrook Heath	SINC	1.4 southeast	3.4	Agriculturally unimproved grasslands. A site that supports dormouse populations.
Halls Cottage Woodland	SINC	1.5 northwest	2.85	Woodland where there is a significant element of ancient semi-natural woodland surviving.
Widley Walk Meadow	SINC	1.6 south west	1.56	Agriculturally unimproved grasslands.
Great Belney Copse	SINC	1.7	7.85	Woodland where there is a significant element of

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Site name	Conservation status	Distance and direction from site (km)	Size (Ha)	Habitat description
		northwest		ancient semi-natural woodland surviving.
Piper's Hill Wood	SINC	1.7 north	1.96	Ancient semi-natural woodlands.
Newlease Copse, Havant	SINC	1.8 south east	1.74	Ancient semi-natural woodlands.
Frank's Coppice	SINC	2 east	1.78	Woodland where there is a significant element of ancient semi-natural woodland surviving.
Stakes Coppice Remnant 1	SINC	2.1 east	0.47	Woodland where there is a significant element of ancient semi-natural woodland surviving. Site of nature conservation interest which occur in areas otherwise deficient in such interest, and/or are known to be of particularly high value to local communities e.g. community wildlife sites.
Creech Walk East	SINC	2.1 northwest	72.29	Pasture woodland and wooded commons, which are of considerable biological and historical interest. Areas of heathland which are afforested or have succeeded to woodland, they retain significant remnants of heathland vegetation which would enable their recovery.
Park Wood, Havant	SINC	2.2 north east	2.60	Ancient semi-natural woodlands.
The Queen's Inclosure	SINC	2.4 north east	40.27	Ancient semi-natural woodlands.

Chichester and Langstone Harbours SPA and Ramsar lie 4.2 kilometres to the southeast of the site, the Solent Maritime SAC lies 4.3 kilometre to the southeast, and the nearest statutory site is Lye Heath Marsh which is situated 1.5 kilometre southwest of the site. There are not anticipated to be any impacts to these sites from this element of the scheme.

Issues relating to the wider housing development are detailed within the Ecology Chapter for the development (Biodiversity by Design 2010b). No further action is required.

Protected species records

Table 4 below lists records of protected species within two kilometres of the site provided by HBIC.

Table 4: Protected and notable species within two kilometres of land at Berewood, WaterlooVille

Common Name	Scientific name	Status	Dates
Amphibians and Reptiles			
Slow worm	<i>Anguis fragilis</i>	Schedule 5 WCA ⁷ , UKBAP ⁸	2 records dated 2011.
Great crested newt	<i>Triturus cristatus</i>	Habs Regs ⁹ Annex II, Schedule 5 WCA, UK BAP	38 records dated between 2007 and 2015.
Birds			
Lesser redpoll	<i>Acanthis cabaret</i>	Red List BoCC ¹⁰ , UK BAP	2 records dated between 2010 and 2015.
Skylark	<i>Alauda arvensis</i>	Red List BoCC, UK BAP	6 records dated between 2008 and 2015.
Kingfisher	<i>Alcedo atthis</i>	Schedule 1 WCA, Annex 1 ¹¹ , Amber List BoCC	7 records between 2007 and 2015.
Gadwall	<i>Anas strepera</i>	Amber List BoCC	1 record dated 2013.
Short-eared owl	<i>Asio flammeus</i>	Annex 1, Amber List BoCC	2 records dated 2003.
Brent goose	<i>Branta bernicla</i>	Amber List BoCC, UK BAP	12 records dated between 2005 and 2015.
Dunlin	<i>Calidris alpina</i>	Amber List BoCC	1 record dated 2015.
Nightjar	<i>Caprimulgus europaeus</i>	Annex 1	16 records dated between 1994 and 2010.
Cetti's warbler	<i>Cettia cetti</i>	Schedule 1 WCA	1 record dated 2015.
Black-headed gull	<i>Chroicocephalus ridibundus</i>	Amber List BoCC	21 records dated between 2006 and 2015.
Little egret	<i>Egretta garzetta</i>	Annex 1	47 records dated between 2002 and 2015.
Yellowhammer	<i>Emberiza citrinella</i>	Red List BoCC	1 record dated 2011.

⁷ WCA: The Wildlife and Countryside Act 1981 (as amended)

⁸ UKBAP: UK Biodiversity Action Plan

⁹ Habs Regs: Conservation of Habitats and Species Regulations 2010

¹⁰ BoCC: Birds of Conservation Concern

¹¹ Annex 1 of the Birds Directive

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Common Name	Scientific name	Status	Dates
Reed bunting	<i>Emberiza schoeniclus</i>	Amber List BoCC, UK BAP	2 records dated 2015.
Peregrine	<i>Falco peregrinus</i>	Schedule 1 WCA, Annex 1, Red List BoCC	37 records dated between 2001 and 2015.
Hobby	<i>Falco subbuteo</i>	Schedule 1 WCA	65 records dated between 1993 and 2015.
Pied flycatcher	<i>Ficedula hypoleuca</i>	Red List BoCC	1 record dated 2015.
Brambling	<i>Fringilla montifringilla</i>	Schedule 1 WCA	1 record dated 2008.
Oystercatcher	<i>Haematopus ostralegus</i>	Amber List BoCC	1 record dated 2015.
Herring gull	<i>Larus argentatus</i>	Red List BoCC, UK BAP	7 records dated between 2010 and 2015.
Lesser black-backed gull	<i>Larus fuscus</i>	Amber List BoCC	22 records dated between 2012 and 2015.
Great black-backed gull	<i>Larus marinus</i>	Amber List BoCC	8 records dated between 2006 and 2013.
Mediterranean gull	<i>Larus melanocephalus</i>	Schedule 1 WCA, Annex 1, Amber List BoCC	Over 150 records dated between 2004 and 2015.
Black-tailed godwit	<i>Limosa limosa</i>	Schedule 1 WCA, Red List BoCC, UK BAP	1 record dated 2015.
Linnet	<i>Linaria cannabina</i>	Red List BoCC, UK BAP	8 records dated between 2007 and 2015.
Common crossbill	<i>Loxia curvirostra</i>	Schedule 1 WCA	11 records dated between 2008 and 2015.
Woodlark	<i>Lullula arborea</i>	Schedule 1 WCA, Annex 1, UK BAP	3 records dated between 2010 to 2015.
Nightingale	<i>Luscinia megarhynchos</i>	Red List BoCC	1 record dated 2011.
Red kite	<i>Milvus milvus</i>	Schedule 1 WCA, Annex 1	20 records dated between 2008 and 2015.
Grey wagtail	<i>Motacilla cinerea</i>	Red List BoCC	100 records dated between 1994 and 2015.
Yellow wagtail	<i>Motacilla flava</i>	Red List BoCC, UK BAP	3 records dated between 2010 and 2012.
Spotted flycatcher	<i>Muscicapa striata</i>	Red List BoCC, UK BAP	3 records dated between 2006 and 2015.
Curlew	<i>Numenius arquata</i>	Red List BoCC, UK BAP	27 records dated between 1994 and 2007.
Whimbrel	<i>Numenius phaeopus</i>	Schedule 1 WCA, Red List BoCC	1 record dated 2003.
Osprey	<i>Pandion haliaetus</i>	Schedule 1 WCA, Annex 1, Amber List BoCC	2 records dated between 2005 and 2013.

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Common Name	Scientific name	Status	Dates
House sparrow	<i>Passer domesticus</i>	Red List BoCC, UK BAP	51 records dated between 2007 and 2015.
Black redstart	<i>Phoenicurus ochruros</i>	Schedule 1 WCA, Red List BoCC	1 record dated 2015.
Redstart	<i>Phoenicurus phoenicurus</i>	Amber List BoCC	1 record dated 2011.
Wood warbler	<i>Phylloscopus sibilatrix</i>	Red List BoCC	2 records dated between 2010 and 2011.
Marsh tit	<i>Poecile palustris</i>	Red List BoCC, UK BAP	11 records dated 2006 and 2014.
Bullfinch	<i>Pyrrhula pyrrhula</i>	Amber List BoCC, UK BAP	45 records dated between 2002 and 2015.
Firecrest	<i>Regulus ignicapillus</i>	Schedule 1 WCA,	4 records dated between 2010 and 2014.
Whinchat	<i>Saxicola rubetra</i>	Red List BoCC	1 record dated 2008.
Woodcock	<i>Scolopax rusticola</i>	Red List BoCC	7 records dated between 1994 and 2012.
Turtle dove	<i>Streptopelia turtur</i>	Red List BoCC, UK BAP	2 records dated between 2006 and 2009.
Starling	<i>Sturnus vulgaris</i>	Red List BoCC, UK BAP	43 records dated between 2006 and 2015.
Greenshank	<i>Tringa nebularia</i>	Schedule 1 WCA, Amber List BoCC	1 record dated 2015.
Green sandpiper	<i>Tringa ochropus</i>	Schedule 1 WCA, Amber List BoCC	1 record dated 2015.
Redwing	<i>Turdus iliacus</i>	Schedule 1 WCA, Red List BoCC	38 records dated between 1993 and 2015.
Song thrush	<i>Turdus philomelos</i>	Red List BoCC, UK BAP	10 records dated between 2010 and 2013.
Fieldfare	<i>Turdus pilaris</i>	Schedule 1 WCA, Red List BoCC	1 record dated 2011.
Mistle thrush	<i>Turdus viscivorus</i>	Red List BoCC	1 record dated 2013.
Barn owl	<i>Tyto alba</i>	Schedule 1 WCA	4 records dated 2009 and 2013.
Lapwing	<i>Vanellus vanellus</i>	Red List BoCC, UK BAP	3 records dated 2006 and 2015.
<i>Invertebrates - Coleoptera</i>			
Stag beetle	<i>Lucanus cervus</i>	Annex II ⁵ (non-priority)	2 records dated between 2007 and 2012.
<i>Invertebrates - Lepidoptera</i>			
Purple emperor	<i>Apatura iris</i>	IUCN GB 2001 NT	1 record dated 2003.
Silver-washed fritillary	<i>Argynnis paphia</i>	HBAP, CI	4 records dated between 2006 and 2011.
White admiral	<i>Limenitis camilla</i>	IUCN GB 2001 VU	9 records dated between 1992 and 2011.
Grizzled skipper	<i>Pyrgus malvae</i>	IUCN GB 2001 VU	1 record dated 2007.

Common Name	Scientific name	Status	Dates
Mammals – bats			
Serotine	<i>Eptesicus serotinus</i>	Schedule 2 Habs Regs, Schedule 5 WCA	3 records dated between 1986 and 2012.
Daubenton's bat	<i>Myotis daubentonii</i>	Schedule 2 Habs Regs, Schedule 5 WCA	8 records dated between 2006 and 2009.
Whiskered bat	<i>Myotis mystacinus</i>	Schedule 2 Habs Regs, Schedule 5 WCA	1 record dated 2005.
Whiskered/Brandt's bat	<i>Myotis mystacinus/brandtii</i>	Schedule 2 Habs Regs, Schedule 5 WCA	1 record dated 2005.
Noctule	<i>Nyctalus noctula</i>	Schedule 2 Habs Regs, Schedule 5 WCA, UK BAP	8 records dated from 1982 to 2013.
Pipistrelle species	<i>Pipistrellus sp.</i>	Schedule 2 Habs Regs, Schedule 5 WCA	17 records dated between 1985 and 2011.
Common pipistrelle	<i>Pipistrellus pipistrellus</i>	Schedule 2 Habs Regs, Schedule 5 WCA	14 records dated between 1982 and 2015.
Soprano pipistrelle	<i>Pipistrellus pygmaeus</i>	Schedule 2 Habs Regs, Schedule 5 WCA, UK BAP	9 records dated between 2009 and 2015.
Brown long-eared	<i>Plecotus auritus</i>	Schedule 2 Habs Regs, Schedule 5 WCA	26 records dated between 1982 and 2014.
Mammals – Terrestrial (non-bats)			
West European hedgehog	<i>Erinaceus europaeus</i>	UK BAP	4 records dated 2007.
Eurasian badger	<i>Meles meles</i>	PBA ¹²	3 records dated between 2002 and 2008.
Hazel dormouse	<i>Muscardinus avellanarius</i>	UK BAP, Schedule 5 WCA	27 records dated between 2006 and 2012.
Invasive plants			
Montbretia	<i>Crocsmia x crocsmifolia</i>	Schedule 9 WCA	1 record dated 2014.
Nuttall's waterweed	<i>Elodea nuttallii</i>	Schedule 9 WCA	2 records dated 2004 and 2014.
Japanese knotweed	<i>Fallopia japonica</i>	Schedule 9 WCA	6 records dated between 2007 and 2014.
Indian balsam (Himalayan balsam)	<i>Impatiens glandulifera</i>	Schedule 9 WCA	4 records dated between 2007 and 2011.
Yellow variegated archangel	<i>Lamiastrum galeodolon argentatum</i>	Schedule 9 WCA	2 records dated 1998 and 2010.
Virginia-creeper	<i>Parthenocissus quinquefolia</i>	Schedule 9 WCA	1 record dated 2013.

⁵Annex II of the Habitats Directive

⁶See IUCN (2001) guidelines, covering Great Britain

⁷ PBA: Protection of Badgers Act

Common Name	Scientific name	Status	Dates
Rhododendron	<i>Rhododendron ponticum</i>	Schedule 9 WCA	3 records dated between 1991 and 2001.

These records of protected, notable and invasive species in the vicinity of the site increase the likelihood of them being present where suitable habitat is identified in the field survey.

4.2 Field survey

4.2.1 Vegetation

The accompanying phase 1 habitat map provided as appendix II depicts the habitats encountered and highlights areas of particular interest with target notes.

The site comprises arable fields, tall ruderal vegetation, bare ground, ephemeral/short perennial vegetation, native hedgerows, scrub, native broad-leaved woodland, a pond, dry ditches and wet ditches.

Descriptions of the habitats encountered during the survey are provided below:

Arable (Target note 1)

The majority of the site comprises arable land which is currently being used for growing wheat (*Triticum sp.*).

The arable land on site is currently used for intensive production of wheat and lacks floristic diversity, it is considered to be of negligible ecological value. The arable land could potentially support ground nesting farmland bird species, these species are discussed further in section 4.2.2.

Tall ruderal vegetation (Target note 2)

There are margins of tall ruderal vegetation adjacent to the southern boundary of the site and surrounding the pond. The tall ruderal vegetation on site mostly comprises common species, such as common nettle (*Urtica dioica*), soft brome (*Bromus hordeaceus*), rough-stalked meadow-grass (*Poa trivialis*), cock's-foot (*Dactylis glomerata*) and creeping thistle (*Cirsium vulgare*), and some species indicative of damp conditions, such as hemlock water-dropwort (*Oenanthe crocata*) and great willowherb (*Epilobium hirsutum*). Other species recorded include hogweed (*Heracleum sphondylium*), sterile brome (*Anisantha sterilis*), willowherb (*Epilobium sp.*), cow parsley (*Anthriscus sylvestris*), creeping buttercup (*Ranunculus repens*), wood avens (*Geum urbanum*), broad-leaved dock (*Rumex obtusifolius*), burdock (*Arctium sp.*), herb Robert (*Geranium robertianum*), marsh thistle (*Cirsium palustre*), cuckooflower (*Cardamine pratensis*) meadow foxtail (*Alopecurus pratensis*) and field horsetail (*Equisetum arvensis*).

The tall ruderal vegetation on site comprises common/widespread species and is considered to be of limited ecological value, nevertheless it could potentially support badgers, ground-nesting birds, foraging/commuting bats, great crested newt, and reptiles, these species are discussed further in section 4.2.2.

Bare ground (Target note 3)

The areas of bare ground on site comprise a recently constructed gravel track which runs along the western and south-western boundaries of the site and exits the site to the south. The track is used by the public for walking and cycling.

The areas of bare ground on site are considered to be of negligible ecological value and unsuitable to support any protected or notable species. No further action is required.

Ephemeral/short perennial vegetation (Target note 4)

There are margins of ephemeral/short perennial vegetation which adjoin the gravel trackway on site. The ephemeral/short perennial vegetation comprises common and / or widespread ruderals and arable weeds which have colonised areas of bare earth adjoining the track. It varies from very sparse colonisation of the bare earth to more extensive coverage. Species recorded include annual meadow-grass (*Poa annua*), curled dock (*Rumex crispus*), dove's-foot crane's-bill (*Geranium molle*), greater plantain (*Plantago major*), creeping buttercup, scentless mayweed (*Tripleurospermum inodorum*), sticky mouse-ear (*Cerastium glomeratum*), groundsel (*Senecio vulgaris*), knotgrass (*Polygonum sp*), creeping bent (*Agrostis stolonifera*), soft brome, black-grass (*Alopecurus myosuroides*), common ragwort (*Senecio jacobaea*) and willowherb (*Epilobium sp*).

The ephemeral/short perennial vegetation on site is limited in extent and comprises common/widespread species, it is therefore considered to be of negligible ecological value. The ephemeral/short perennial vegetation is considered to be unsuitable to support any protected or notable species. No further action is required.

Native hedgerows (Target note 5, H1 – H5)

A total of four established, species-rich native hedgerows were recorded on site. These hedgerows comprise a good variety of woody species and a moderately diverse field layer which includes some ancient woodland indicator species such as dog's mercury (*Mercurialis perennis*) and bluebell (*Hyacinthoides non-scripta*). The hedgerows range from approximately 1 to 5 metres in height and include mature standard trees (including some veteran specimens of pedunculate oak (*Quercus robur*)) and adjoining drainage ditches. Hedgerow H1 is considered to be defunct due to the presence of numerous large gaps and sparse shrub cover, the other hedgerows are considered to be intact. The hedgerows on site are summarised in table 5 below.

Table 5: Native hedgerows recorded on site

Key (see Phase 1 map)	Woody species	Ground flora	BAP status (80% native woody species)	General description
H1	Hazel (<i>Corylus avellana</i>) Hawthorn (<i>Crataegus monogyna</i>) Blackthorn (<i>Prunus spinosa</i>) Pedunculate oak (<i>Quercus robur</i>) Rose (<i>Rosa sp</i>) Grey willow (<i>Salix cinerea</i>) Elder (<i>Sambucus nigra</i>)	Cow parsley (<i>Anthriscus sylvestris</i>) Cock's-foot (<i>Dactylis glomerata</i>) Common couch (<i>Elytrigia repens</i>) Wood avens (<i>Geum urbanum</i>) Ivy (<i>Hedera helix</i>) Hogweed (<i>Heracleum sphondylium</i>) Bluebell (<i>Hyacinthoides non-scripta</i>) Dog's mercury (<i>Mercurialis perennis</i>) Bracken (<i>Pteridium aquilinum</i>) Bramble (<i>Rubus fruticosus</i> agg.) Wood dock (<i>Rumex sanguineus</i>) Hedge woundwort (<i>Stachys sylvatica</i>) Common nettle (<i>Urtica dioica</i>)	Yes	Defunct/gappy, species-rich native hedgerow with mature standard oak trees (including some veteran specimens).
H2	Field maple (<i>Acer campestre</i>) Hazel Hawthorn Spindle (<i>Euonymus europaeus</i>) Blackthorn Pedunculate oak	Cow parsley Lords and ladies (<i>Arum maculatum</i>) Cleavers (<i>Galium aparine</i>) Ivy Honeysuckle (<i>Lonicera periclymenum</i>) Hemlock water-dropwort (<i>Oenanthe crocata</i>) Bracken Bramble Wood dock Hedge woundwort Common nettle	Yes	Intact, species-rich native hedgerow with one veteran oak standard.
H3	Hazel Hawthorn Blackthorn Pedunculate oak	Sterile brome (<i>Anisantha sterilis</i>) Cow parsley Great willowherb (<i>Epilobium hirsutum</i>) Red fescue (<i>Festuca rubra</i>)	Yes	Intact, species-rich native hedgerow with mature standard oak trees and a dry ditch.

Key (see Phase 1 map)	Woody species	Ground flora	BAP status (80% native woody species)	General description
H4	Rose (<i>Rosa sp</i>) Field maple Hawthorn Holly (<i>Ilex aquifolium</i>) Blackthorn Pedunculate oak Rose	Ivy Honeysuckle Bluebell Dog's mercury Hemlock water-dropwort Bracken Bramble Wood dock Hedge woundwort Wavy bittercress (<i>Cardamine flexuosa</i>) Great willowherb Cleavers Ground ivy (<i>Glechoma hederacea</i>) Ivy Yorkshire fog (<i>Holcus lanatus</i>) Compact rush (<i>Juncus conglomeratus</i>) Creeping buttercup (<i>Ranunculus repens</i>) Bramble Wood dock Bittersweet (<i>Solanum dulcamara</i>) Common nettle	Yes	Intact, species-rich native hedgerow with mature standard trees (including a veteran specimen of pedunculate oak) and a wet ditch.

All of the native hedgerows on site comprise 80% or more cover of at least one woody UK native species which qualifies them as UK BAP Hedgerow habitat. The native hedgerows on site could also potentially qualify as 'Important' under the Hedgerow Regulations 1997. Further recommendations are provided in section 5.1. The hedgerows on site could potentially support badgers, nesting birds, foraging/commuting/roosting bats, dormice, great crested newt, and reptiles. These species are discussed further in section 4.2.2.

Scrub (Target note 6)

There is a small amount of scrub around the margins of the pond on site. Scrub species recorded include blackthorn (*Prunus spinosa*), hawthorn (*Crataegus monogyna*), goat willow (*Salix caprea*) and bramble (*Rubus fruticosus* agg.).

The scrub on site is limited in extent and comprises common and / or widespread species, and it is therefore considered to be of limited ecological value. The scrub could potentially support badgers, nesting birds, foraging and commuting bats, dormice, great crested newt, and reptiles, these species are discussed further in section 4.2.2.

Native broad-leaved woodland (Target note 7)

There is a small section of native broad-leaved woodland at the south-eastern corner of the site. This woodland is floristically diverse with good structure in the canopy and understorey and a species-rich field layer with numerous ancient woodland indicator species, including dog's mercury, wood anemone (*Anemone nemorosa*), bluebell (*Hyacinthoides non-scripta*) and moschatel (*Adoxa moschatellina*). The native broad-leaved woodland is summarised in table 6 below.

Table 6: Plant species recorded within the native broad-leaved woodland

Common name	Latin name	Abundance	Status
Canopy species			
Sycamore	<i>Acer pseudoplatanus</i>	R	Common & widespread
Ash	<i>Fraxinus excelsior</i>	O	Common & widespread
Pedunculate oak	<i>Quercus robur</i>	D	Common & widespread
Goat willow	<i>Salix caprea</i>	R	Common & widespread
Understorey species			
Field maple	<i>Acer campestre</i>	O	Common & widespread
Downy birch	<i>Betula pubescens</i>	R	Common & widespread
Hazel	<i>Corylus avellana</i>	F-O	Common & widespread
Hawthorn	<i>Crataegus monogyna</i>	O	Common & widespread
Holly	<i>Ilex aquifolium</i>	F-O	Common & widespread
Field layer			
Grasses, sedges, rushes and ferns			
Remote sedge	<i>Carex remota</i>	LO	Common in damp and shaded habitats
Wood sedge	<i>Carex sylvatica</i>	LO-R	Typically found in ancient woodland sites and old hedgerows
Male-fern	<i>Dryopteris filix-mas</i>	R	Typically found in ancient woodland sites and old hedgerows
Wood melick	<i>Melica uniflora</i>	LO-R	Typically found in ancient woodland sites and old hedgerows
Herbaceous plants			
Wood anemone	<i>Anemone nemorosa</i>	R	Typically found in ancient woodland sites and old hedgerows
Lords and ladies	<i>Arum maculatum</i>	O-R	Common & widespread in woodlands and hedgerows
Enchanter's	<i>Circaea lutetiana</i>	O	Typically found in ancient