

Summary Sheet

Date	04/03/2014 & 08/05/2014
Grid Reference	SE 3196 0675
Site Area	68 hectares
Surveyor	Elizabeth McBride, Wildscapes

Site Name	Land at Higham
Site Ref Number	UB2A

1 ASSESSMENT

Biodiversity interest (record presence by a cross as appropriate)

Habitat	Present	Notes & Photo refs
Woodland	X	Woodland along stream (UB2A.12 & 13)
Scrub	X	(UB2A.10 & 11)
Scattered trees	X	(UB2A.6 & 11)
Species poor or defunct hedgerows	X	(UB2A.1 & 4)
Species rich hedgerows		
Amenity or improved grassland	X	Improved grassland (UB2A.2 – 6)
Semi-improved grassland	X	Species-rich (UB2A.11)
Unimproved grassland	X	Species-rich (UB2A.10)
Marshy grassland	X	Small area (UB2A.8)
Tall ruderals		
Dwarf shrub heath		
Lichen/bryophyte heath		
Reedbed		
Swamp		
Standing water (ponds)		
Flowing watercourses	X	Two small streams (UB2A.7)
Arable / cultivated farmland	X	(UB2A.1 & 9)
Other: Private houses & gardens	X	

Species	Present (seen)	Quality of habitat		
		Low	Mod	High
Plants	X		X	
Invertebrates	X	X		
Amphibians		X		
Reptiles		X		
Birds	X		X	
Mammals		X		
Fish		X		
Other				

Influences on external features

On watercourse	Yes – There is a stream along the north-west edge of the site and one flowing through the centre.
On wildlife corridor	No
Would lead to habitat isolation	No
Proximity/linkage to SSSI/LNR	None
Other	

2 RECOMMENDATION

	Mitigation measures / design considerations	Score
a) Development of the site would have minimal detrimental local ecological impact.		
b) Development of the site would result in some adverse local ecological impact but there is scope for mitigation.	<p>The majority of the southern part of the site consists of improved grasslands and arable fields and has low ecological value. However, many of the hedges are mature and well established, so should be retained where possible. Any significant loss of hedgerows should be mitigated by native planting elsewhere within the site. Mature trees should also be retained.</p> <p>Unimproved grassland is uncommon habitat within Barnsley and has high ecological value, it should be retained as priority. The strip of woodland also has high value and should be retained, though it is recommended that horses are prevented from entering to prevent further damage to the ground flora. The semi-improved grasslands are species-rich though suffering from lack of management. They should be retained, however they will continue to degrade unless a management regime is put in place.</p>	3
c) Development of the site would result in detrimental ecological impacts.		

3 PHOTOGRAPHIC DETAILS

Photograph locations are recorded on the site map.

Photo Ref	Caption
UB2A.1	Arable field and hedge at eastern end of the site
UB2A.2	Horse-grazed improved grassland
UB2A.3	Waterlogged horse-grazed field
UB2A.4	Improved grassland and thick hedge
UB2A.5	Looking east across large improved grassland
UB2A.6	Improved grassland with scattered trees and sections of hedge along the boundary
UB2A.7	Stream crossing the site
UB2A.8	Small area of marshy grassland
UB2A.9	Southern arable field
UB2A.10	Species-rich unimproved grassland north of Hermit Lane
UB2A.11	Unmanaged semi-improved grassland
UB2A.12	Damage to woodland ground flora caused by grazing
UB2A.13	Bluebells in woodland

4 FURTHER INFORMATION

Brief Site Description

The site is separated into two sections by Hermit Lane. The large southern section consists of arable fields and improved grasslands, separated by mature hedges. Some of the fields are waterlogged and muddy due to recent wet conditions.

The small northern sections is more interesting as it consists of species-rich grasslands and semi-natural woodland. The horse-grazed field adjacent to Hermit Lane is species-rich unimproved grassland and the basal leaves of orchids were noted near the woodland edge. The two nearby grasslands appear unmanaged and though currently species-rich, they are suffering from encroachment by scrub, tall ruderals and coarse grasses.

Site UB2A. Land at Higham

The woodland strip follows a small stream and supports some ancient woodland indicator species, though the ground flora has been damaged by horse grazing.

Additional comments / information

Figure 1 shows the Phase 1 habitat map for the site.

Figure 2 shows the areas with significant ecological value.

Also see Report UB4B *Land South of Barugh Green Road* (2013).

With reference to the data search, no significant issues for protected or priority species have arisen for this site.

Area: Higham

Site UB2A

Site Area: 68 hectares

OS Grid Ref: SE 3196 0675

Date Surveyed: 04/03/2014

Surveyor: Elizabeth McBride

Site Description

The site is located to the west of Barnsley town centre, in an area of open fields between Gawber and Higham. The M1 motorway acts as the boundary to the south-west, whilst there are fields to the north-west (Site UB4B) and housing to the east.

The site is separated into two sections by Hermit Lane. The much larger southern section consists of a number of arable and improved grassland fields.

Along the eastern edge is a large arable field, three improved grasslands and a small arable field. The large arable field is separated into two by a dry ditch and a rough line of hawthorn (*Crataegus monogyna*) and young ash (*Fraxinus excelsior*) and willow (*Salix sp.*) trees. There is a short drain along the northern field boundary, adjacent to housing. It supports a small amount of water and is almost completely covered by bramble (*Rubus fruticosus*).

A public footpath enters from Colster Close and proceeds south along the edge of the large arable field, where there is an overgrown hawthorn and elder (*Sambucus nigra*) hedge and a single large ash tree. The footpath continues south and enters a grazed field adjacent to Farm House Lane. The field is grazed by several ponies and is waterlogged and over-grazed resulting in large areas of mud (Photo UB2A.3). Supplementary feeding of the ponies has caused some areas to be completely bare of grass. Separating the grassland from the large arable field is some hawthorn, dense gorse (*Ulex europaeus*) and three large beech (*Fagus sylvatica*) trees. Along Farm House Lane is mature hawthorn with thick base stems and occasional elder and oak (*Quercus sp.*) (Photo UB2A.1).

The public footpath continues south along the back of adjacent houses and passes through two more improved grasslands. The smaller of the two fields includes a fenced rectangle of marshy grassland (Photo UB2A.8), which consists of rush (*Juncus sp.*), with some creeping buttercup (*Ranunculus repens*), occasional tufted hair-grass (*Deschampsia cespitosa*) and tiny amounts of bulrush (*Typha latifolia*), with timothy (*Phleum pratense*) and perennial rye-grass (*Lolium perenne*) around the edges. At the northern edge of this field is a large ash tree and a patch of dense blackthorn (*Prunus spinosa*). Hawthorn hedges are present along the other boundaries and are tall and leggy.

There are three arable fields along the edge of the motorway (Photo UB2A.9). They are separated by hawthorn hedges that are tall and leggy but intact.

At the western edge of the site is a large field, with Hermit Lane to the north and Higham Common to the west. The field is grazed by sheep and ponies and is very species-poor consisting of grass species and little else (Photo UB2A.5). Like many of the nearby fields it is waterlogged and muddy. To the south of the large field are two smaller ones, adjacent to the motorway. The fields are species-poor grasslands, which are dominated by perennial rye-grass, but not grazed. Between the two fields are two large oak trees and four ash trees, with sections of hedge consisting of

hawthorn, elder and hazel (*Corylus avellana*) (Photo UB2A.6). Some parts of the hedge are mature and show evidence of laying, other sections are less mature.

The rest of the southern section consists of improved fields separated by hawthorn hedges (Photo UB2A.2). In the centre is a small roughly triangular field with a stream along the eastern edge (Photo UB2A.7). The stream is open, with grass banks, scattered mature hawthorn and trees of ash and silver birch (*Betula pendula*) along the water's edge. It continues north past beech trees, hawthorn and a large oak, but the rest was not accessible to survey. Along the northern edge of the small field is a line of tall hawthorn, with trees of silver birch, an oak and a sycamore (*Acer pseudoplatanus*). The other field boundaries consist of a thick hawthorn hedge (Photo UB2A.4).

The hedge along Hermit Lane is mature and dense, showing evidence of past laying. It consists of hawthorn, with occasional elder. There is a farm part-way along the lane, though some of the fields around it were not accessible.

The grasslands that make up the northern section of the site (north of Hermit Lane) are diverse and have greater ecological value than the southern grasslands. The field adjacent to Hermit Lane is grazed by two horses and slopes gently down to a strip of woodland along the western edge. The field supports species-rich unimproved grassland, which has a high percentage of herbs compared to grasses (Photo UB2A.10). The grassland is grazed short, but not over-grazed, with scattered hawthorn throughout. There is no fence along the boundary with the woodland, so the horses are free to enter. Along the northern field boundary is an over-grown hawthorn hedge with a sycamore tree and some ash, including one large ash tree. The short sward made the grass species difficult to identify, however sweet vernal grass (*Anthoxanthum odoratum*) is frequent. The field also supports abundant meadow buttercup (*Ranunculus acris*), common bird's-foot trefoil (*Lotus corniculatus*) and ribwort plantain (*Plantago lanceolata*), frequent common knapweed (*Centaurea nigra*), common daisy (*Bellis perennis*), oxeye daisy (*Leucanthemum vulgare*), red clover (*Trifolium pratense*) and white clover (*T. repens*). It is damp towards the bottom of the slope and sedge is frequent in this area, along with creeping buttercup (*Ranunculus repens*) and small amounts of cuckooflower (*Cardamine pratensis*). The basal leaves of three orchid spikes were found near the bottom of the slope (Target Note 1), though it was not possible to identify which species, the damp conditions suggests marsh orchid. As the survey was carried out in early May, there may have been more spikes later in the season that were not visible at the time of the survey.

A public footpath crosses the horse field and enters the woodland. A stream flows along the western edge of the woodland and there is a small bridge where the footpath crosses the water and leads out of the site. The woodland slopes down to the stream, steeply in places. The presence of the horses means that the ground is churned up and there are wide muddy tracks through the trees (Photo UB2A.12). The ground flora has suffered significant damage and the public footpath is difficult to follow as it is very muddy. The stream is shallow, but fast flowing with stony substrate and in places has steep vertical earth and rock banks where the stream is deeply cut into the ground. The woodland canopy consists of mature ash, sycamore, oak and beech. The ground flora includes some ancient woodland indicator species suggesting this area has been wooded for a significant period of time. Bluebell (*Hyacinthoides non-scripta*) is frequent (Photo UB2A.13), but is being trampled by the horses, there are patches of ramsons (*Allium ursinum*) and lesser celandine (*Ranunculus ficaria*) and small amounts of yellow archangel (*Lamium galeobdolon*), wood sorrel (*Oxalis acetosella*) and wood anemone (*Anemone nemorosa*). The woodland and stream continue north but are not accessible.

The field to the north of the unimproved grassland is species-rich in places, but suffering due to lack of management. Bramble and hawthorn are encroaching and the grass is becoming tall and tussocky with coarse grasses such as false oat-grass (*Arrhenatherum elatius*) and cocksfoot (*Dactylis glomerata*) taking over. Undesirable species such as creeping thistle (*Cirsium arvense*), broadleaved dock (*Rumex obtusifolius*) and hogweed (*Heracleum sphondylium*) are becoming more common. Despite this, knapweed is abundant throughout and meadow buttercup and ribwort plantain (*Plantago lanceolata*) are frequent. Other species include meadow vetchling (*Lathyrus pratensis*), common bird's-foot trefoil and field wood-rush (*Luzula campestris*). The boundary with the smaller field to the east is partially open, with two large sycamore trees and a tall hawthorn hedge (Photo UB2A.11).

The eastern field slopes upwards to a flat top along the eastern edge. It is also unmanaged and supports similar species to the adjacent field, with the slope being the most diverse area. Species on the slope include common bird's-foot trefoil, knapweed, field wood-rush, ribwort plantain, sweet vernal grass and common bent (*Agrostis capillaris*), though there is still some bramble, hawthorn and creeping thistle. At the top of the bank is cow parsley (*Anthriscus sylvestris*), bush vetch (*Vicia sepium*) and nettle (*Urtica dioica*). There are hawthorn hedges along the eastern and southern field boundaries and there are gardens beyond.



Photo UB2A.1. Arable field and hedge at eastern end of the site (south)



Photo UB2A.2. Horse-grazed improved grassland (south)



Photo UB2A.3. Waterlogged horse-grazed field (south)



Photo UB2A.4. Improved grassland and thick hedge (south)



Photo UB2A.5. Looking east across large improved grassland (south)



Photo UB2A.6. Improved grassland with scattered trees and sections of hedge along the boundary (south)



Photo UB2A.7. Stream crossing the site (south)



Photo UB2A.8. Small area of marshy grassland (south)



Photo UB2A.9. Southern arable field (south)



Photo UB2A.10. Species-rich unimproved grassland north of Hermit Lane (north)



Photo UB2A.11. Unmanaged semi-improved grassland (north)



Photo UB2A.12. Damage to woodland ground flora caused by grazing (north)



Photo UB2A.13. Bluebells in the woodland (north)

Species List for UB2A

DAFOR Scale

D=dominant, A=abundant, F=frequent, O=occasional, R=rare, L=locally, P=present

North of Hermit Lane

Horse field– unimproved grassland

Trees and shrubs

Hawthorn	<i>Crataegus monogyna</i>	O
Rose	<i>Rosa</i> sp.	R
Bramble	<i>Rubus fruticosus</i> agg.	R

Herbs

Lesser Burdock	<i>Arctium minus</i>	R
Daisy	<i>Bellis perennis</i>	F
Cuckooflower	<i>Cardamine pratensis</i>	R
Common Knapweed	<i>Centaurea nigra</i>	F
Common Mouse-ear	<i>Cerastium fontanum</i>	R
Creeping Thistle	<i>Cirsium arvense</i>	R
Cat's-ear	<i>Hypochaeris radicata</i>	O
Oxeye Daisy	<i>Leucanthemum vulgare</i>	F
Common Bird's-foot Trefoil	<i>Lotus corniculatus</i>	A
Ribwort Plantain	<i>Plantago lanceolata</i>	A
Greater Plantain	<i>Plantago major</i>	R
Selfheal	<i>Prunella vulgaris</i>	R
Meadow Buttercup	<i>Ranunculus acris</i>	A
Creeping Buttercup	<i>Ranunculus repens</i>	F
Broad-leaved Dock	<i>Rumex obtusifolius</i>	R
Common Ragwort	<i>Senecio jacobaea</i>	O
Dandelion	<i>Taraxacum</i> agg.	O
Red Clover	<i>Trifolium pratense</i>	F
White Clover	<i>Trifolium repens</i>	F
Thyme-leaved speedwell	<i>Veronica serpyllifolia</i>	R
Orchid sp.		R

Hedge & trees – unimproved grassland

Trees and shrubs

Sycamore	<i>Acer pseudoplatanus</i>	R
Hawthorn	<i>Crataegus monogyna</i>	A
Ash	<i>Fraxinus excelsior</i>	F
Bramble	<i>Rubus fruticosus</i> agg.	F
Elder	<i>Sambucus nigra</i>	O

Herbs

Bluebell	<i>Hyacinthoides non-scripta</i>	R
Common Nettle	<i>Urtica dioica</i>	O

Woodland north of Hermit Lane

Trees and shrubs

Sycamore	<i>Acer pseudoplatanus</i>	F
Horse-chestnut	<i>Aesculus hippocastanum</i>	R (seedling)
Hawthorn	<i>Crataegus monogyna</i>	F
Beech	<i>Fagus sylvatica</i>	O
Ash	<i>Fraxinus excelsior</i>	F

Site UB2A. Land at Higham

Ivy	<i>Hedera helix</i>	R
Honeysuckle	<i>Lonicera</i> sp.	O
Oak sp.	<i>Quercus</i> sp.	F
Rose	<i>Rosa</i> sp.	R
Bramble	<i>Rubus fruticosus</i> agg.	O
Willow	<i>Salix</i> sp.	R
Elder	<i>Sambucus nigra</i>	R

Herbs

Ramsons	<i>Allium ursinum</i>	O
Wood Anemone	<i>Anemone nemorosa</i>	R
Daisy	<i>Bellis perennis</i>	R
Hairy Bittercress	<i>Cardamine hirsuta</i>	R
Foxglove	<i>Digitalis purpurea</i>	R
Broad Buckler Fern	<i>Dryopteris dilatata</i>	R
Wood Avens	<i>Geum urbanum</i>	R
Bluebell	<i>Hyacinthoides non-scripta</i>	F
Yellow archangel	<i>Lamium galeobdolon</i>	R
Dog's Mercury	<i>Mercurialis perennis</i>	R
Wood Sorrel	<i>Oxalis acetosella</i>	R
Lesser Celandine	<i>Ranunculus ficaria</i>	O
Creeping Buttercup	<i>Ranunculus repens</i>	O
Broad-leaved Dock	<i>Rumex obtusifolius</i>	O
Common Ragwort	<i>Senecio jacobaea</i>	R
Common Chickweed	<i>Stellaria media</i>	R
Dandelion	<i>Taraxacum</i> agg.	R
Wood Sage	<i>Teucrium scorodonia</i>	O
Dog violet	<i>Viola riviniana</i>	R

Unmanaged grassland – semi-improved species-rich

Trees and shrubs

Hawthorn	<i>Crataegus monogyna</i>	F
Ash	<i>Fraxinus excelsior</i>	R (sapling)
Bramble	<i>Rubus fruticosus</i> agg.	F

Herbs

Cow Parsley	<i>Anthriscus sylvestris</i>	R
Cuckooflower	<i>Cardamine pratensis</i>	O
Common Knapweed	<i>Centaurea nigra</i>	A
Common Mouse-ear	<i>Cerastium fontanum</i>	R
Creeping Thistle	<i>Cirsium arvense</i>	F
Cleavers	<i>Galium aparine</i>	R
Hogweed	<i>Heracleum sphondylium</i>	R
Meadow Vetchling	<i>Lathyrus pratensis</i>	O
Common Bird's-foot Trefoil	<i>Lotus corniculatus</i>	R
Ribwort Plantain	<i>Plantago lanceolata</i>	F
Meadow Buttercup	<i>Ranunculus acris</i>	F
Creeping Buttercup	<i>Ranunculus repens</i>	O
Common Sorrel	<i>Rumex acetosa</i>	O
Broad-leaved Dock	<i>Rumex obtusifolius</i>	O
Common Ragwort	<i>Senecio jacobaea</i>	R
Common Nettle	<i>Urtica dioica</i>	R
Germander Speedwell	<i>Veronica chamaedrys</i>	R
Bush Vetch	<i>Vicia sepium</i>	R

Grasses, rushes and sedges

Site UB2A. Land at Higham

Common Bent	<i>Agrostis capillaris</i>	O
Meadow Foxtail	<i>Alopecurus pratensis</i>	F
Sweet Vernal-grass	<i>Anthoxanthum odoratum</i>	O
False Oat-grass	<i>Arrhenatherum elatius</i>	R
Crested Dog's-tail	<i>Cynosaurus cristatus</i>	R
Cock's-foot	<i>Dactylis glomerata</i>	F
Yorkshire Fog	<i>Holcus lanatus</i>	O
Field Wood-rush	<i>Luzula campestris</i>	R

South of Hermit Lane

Hedge along Farm House Road

Trees and shrubs

Hawthorn	<i>Crataegus monogyna</i>	A R
Ash	<i>Fraxinus excelsior</i>	(sapling)
Ivy	<i>Hedera helix</i>	O
Holly	<i>Ilex aquifolium</i>	R
Laburnum	<i>Laburnum anagyroides</i>	R
Rose	<i>Rosa</i> sp.	O
Bramble	<i>Rubus fruticosus</i> agg.	O
Elder	<i>Sambucus nigra</i>	O

Herbs

Garlic Mustard	<i>Alliaria petiolata</i>	R
Cow Parsley	<i>Anthriscus sylvestris</i>	F
Cleavers	<i>Galium aparine</i>	F
Mallow species	<i>Malvus</i> sp.	R
Daffodil	<i>Narcissus</i> sp.	R
Broad-leaved Dock	<i>Rumex obtusifolius</i>	R

Hedge – eastern arable field

Trees and shrubs

Hawthorn	<i>Crataegus monogyna</i>	A
Ash	<i>Fraxinus excelsior</i>	R
Holly	<i>Ilex aquifolium</i>	R
Bramble	<i>Rubus fruticosus</i> agg.	F
Elder	<i>Sambucus nigra</i>	F

Herbs

Cow Parsley	<i>Anthriscus sylvestris</i>	F
Cock's-foot	<i>Dactylis glomerata</i>	O

Stream

Trees and shrubs

Sycamore	<i>Acer pseudoplatanus</i>	P
Silver Birch	<i>Betula pendula</i>	P
Hazel	<i>Corylus avellana</i>	P
Hawthorn	<i>Crataegus monogyna</i>	P
Beech	<i>Fagus sylvatica</i>	P
Ash	<i>Fraxinus excelsior</i>	P
Oak sp.	<i>Quercus</i> sp.	P
Bramble	<i>Rubus fruticosus</i> agg.	P

Herbs

Cow Parsley	<i>Anthriscus sylvestris</i>	P
Great Willowherb	<i>Epilobium hirsutum</i>	P
Common Figwort	<i>Scrophularia nodosa</i>	P
Common Nettle	<i>Urtica dioica</i>	P

Improved grasslands - grazed**Herbs**

Creeping Buttercup	<i>Ranunculus repens</i>	R
Broad-leaved Dock	<i>Rumex obtusifolius</i>	R
Common Chickweed	<i>Stellaria media</i>	R
White Clover	<i>Trifolium repens</i>	R

Grasses, rushes and sedges

Perennial Rye-grass	<i>Lolium perenne</i>	D
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Hedge along Hermit Lane**Trees and shrubs**

Hawthorn	<i>Crataegus monogyna</i>	A
Ash	<i>Fraxinus excelsior</i>	R
Ivy	<i>Hedera helix</i>	O
Bramble	<i>Rubus fruticosus</i> agg.	O
Elder	<i>Sambucus nigra</i>	O

Herbs

Garlic Mustard	<i>Alliaria petiolata</i>	R
Cow Parsley	<i>Anthriscus sylvestris</i>	F
Cleavers	<i>Galium aparine</i>	O
Daffodil	<i>Narcissus</i> sp.	R
Common Chickweed	<i>Stellaria media</i>	R
Common Nettle	<i>Urtica dioica</i>	R

Improved grasslands – adjacent to motorway**Trees and shrubs**

Hazel	<i>Corylus avellana</i>	P
Hawthorn	<i>Crataegus monogyna</i>	P
Ash	<i>Fraxinus excelsior</i>	P
Oak sp.	<i>Quercus</i> sp.	P
Elder	<i>Sambucus nigra</i>	P

Herbs

Cranesbill sp.	<i>Geranium</i> sp.	R
Creeping Buttercup	<i>Ranunculus repens</i>	R
Curled Dock	<i>Rumex crispus</i>	R
Common Ragwort	<i>Senecio jacobaea</i>	R
White Clover	<i>Trifolium repens</i>	O
Speedwell	<i>Veronica</i> sp.	R

Grasses, rushes and sedges

Cock's-foot	<i>Dactylis glomerata</i>	O
Perennial Rye-grass	<i>Lolium perenne</i>	D

Small area of marshy grassland

Herbs

Creeping Buttercup	<i>Ranunculus repens</i>	O
Broad-leaved Dock	<i>Rumex obtusifolius</i>	R

Grasses, rushes and sedges

Tufted Hair-grass	<i>Deschampsia cespitosa</i>	O
Soft Rush	<i>Juncus effusus</i>	A
Hard Rush	<i>Juncus inflexus</i>	A
Perennial Rye-grass	<i>Lolium perenne</i>	R
Timothy	<i>Phleum pratense</i>	O
Bulrush	<i>Typha latifolia</i>	R

Internal hedges – arable fields adjacent to motorway

Trees and shrubs

Hawthorn	<i>Crataegus monogyna</i>	D
Ash	<i>Fraxinus excelsior</i>	R
Ivy	<i>Hedera helix</i>	O
Holly	<i>Ilex aquifolium</i>	R
Honeysuckle	<i>Lonicera</i> sp.	R
Blackthorn	<i>Prunus spinosa</i>	R (LA)
Rose	<i>Rosa</i> sp.	R
Bramble	<i>Rubus fruticosus</i> agg.	F
Elder	<i>Sambucus nigra</i>	R

Figure 1a. Phase 1 Habitat Map: March 2014
Site UB2A (South)

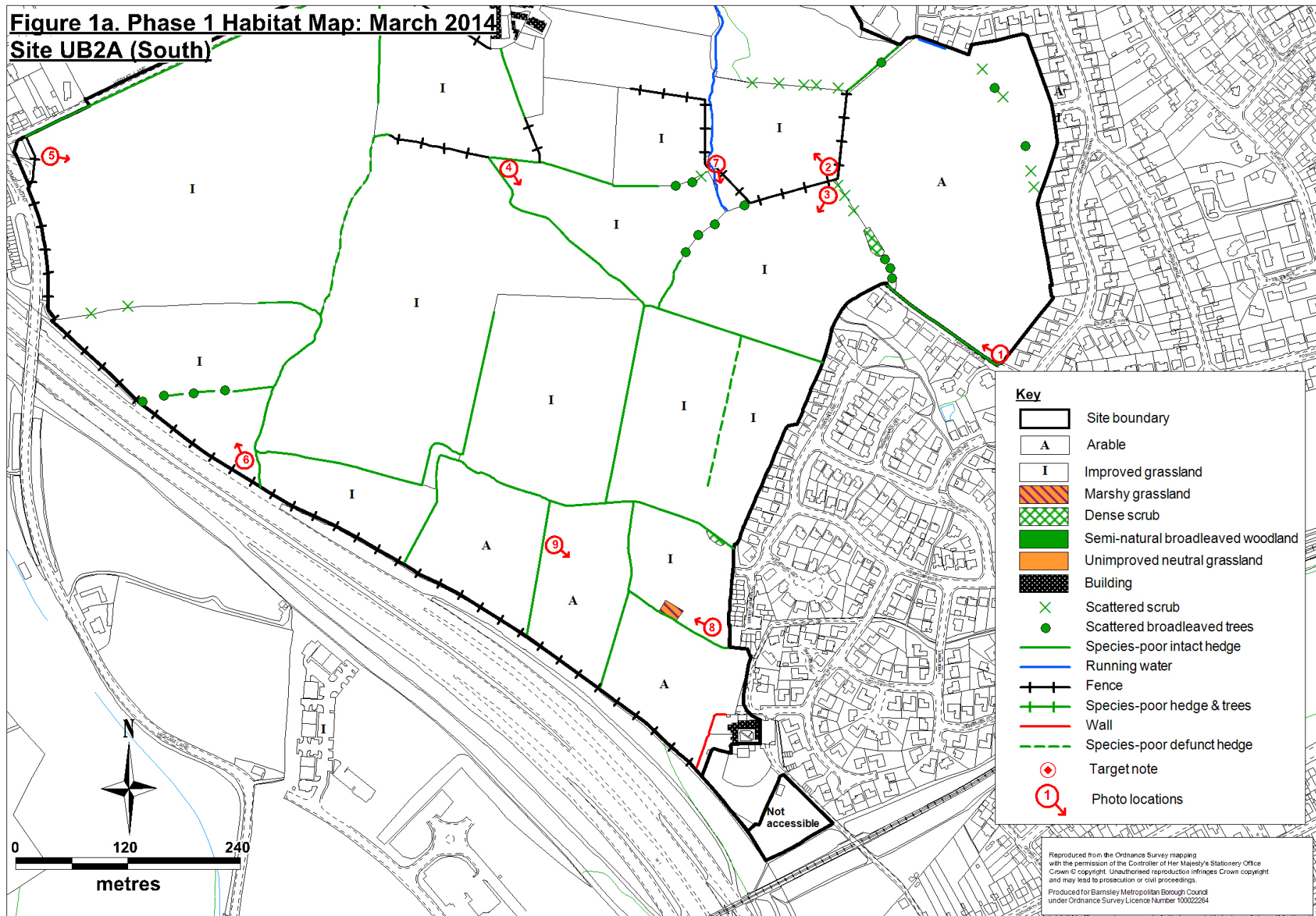
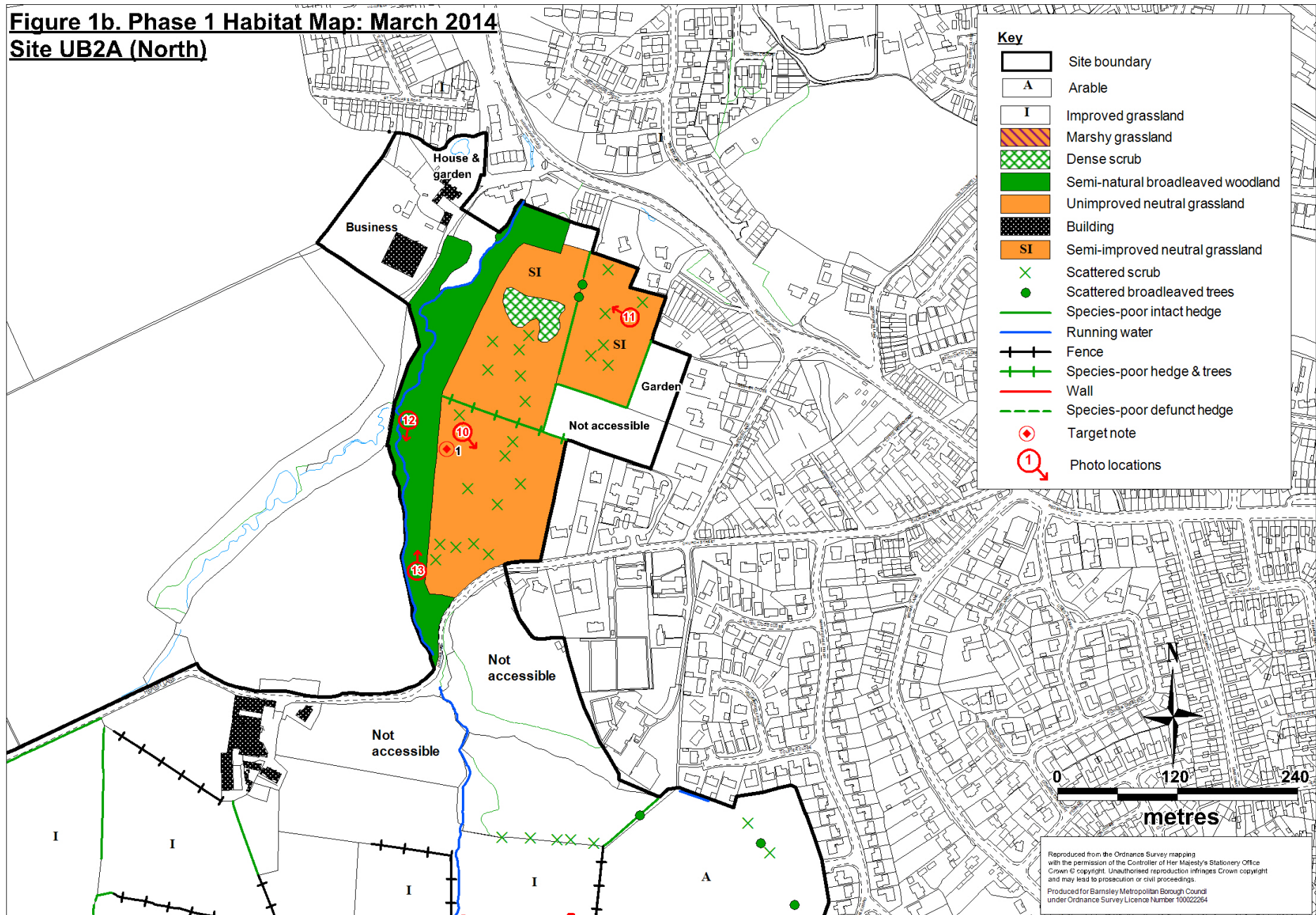


Figure 1b. Phase 1 Habitat Map: March 2014
Site UB2A (North)



Site UB2A. Land at Higham

Figure 2a. Ecological Value: Site UB2A (South)

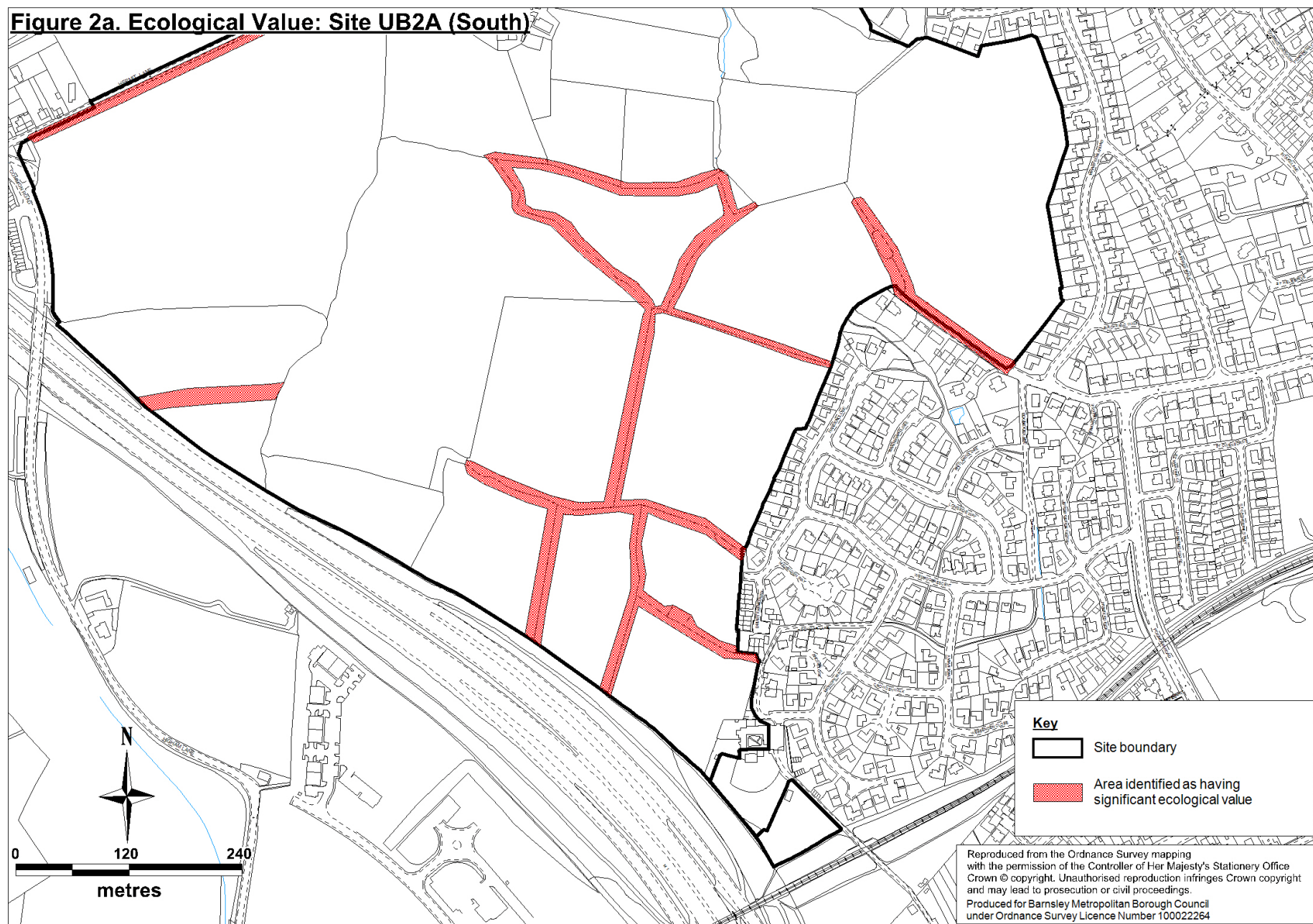
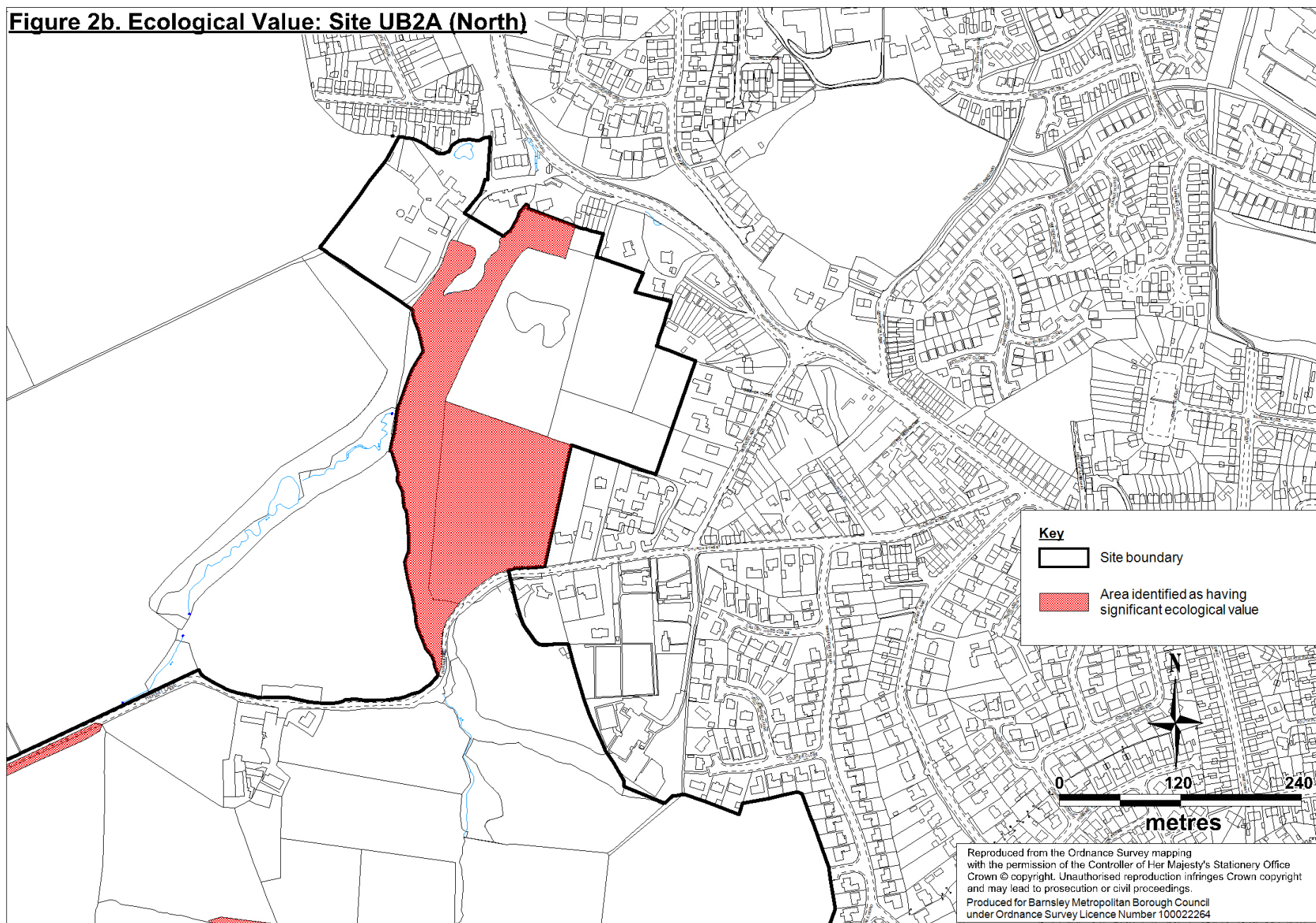


Figure 2b. Ecological Value: Site UB2A (North)



Site UB2A. Land at Higham

Data Search – Local Records Centre

Notable species recorded within 1km of the site in the last 10 years (2003 – 2014)

A search for badger records has been carried out separately.

Group	Scientific Name	Common Name	Year	Location
amphibian	<i>Bufo bufo</i>	Common Toad	2012	Barnsley Canal at Wilthorpe LWS
amphibian	<i>Bufo bufo</i>	Common Toad	2012	Barnsley Canal general
amphibian	<i>Rana temporaria</i>	Common Frog	2012	'BARNSELEY MBC'
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2012	Barnsley Canal: E of Low Barugh
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2012	Barnsley Canal at Wilthorpe LWS
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2011	Wilthorpe Marsh
bird	<i>Alauda arvensis</i>	Skylark	2007	Wilthorpe
bird	<i>Alauda arvensis</i>	Skylark	2010	Wilthorpe Marsh
bird	<i>Alauda arvensis</i>	Skylark	2011	Wilthorpe Marsh
bird	<i>Alcedo atthis</i>	Kingfisher	2008	Wilthorpe Marsh
bird	<i>Alcedo atthis</i>	Kingfisher	2010	Wilthorpe Marsh
bird	<i>Alcedo atthis</i>	Kingfisher	2011	Wilthorpe Marsh
bird	<i>Alcedo atthis</i>	Kingfisher	2012	River Dearne
bird	<i>Anas strepera</i>	Gadwall	2008	Wilthorpe Marsh
bird	<i>Anas strepera</i>	Gadwall	2010	Wilthorpe Marsh
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2007	Wilthorpe Marsh
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2008	Wilthorpe Marsh
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2009	Wilthorpe Marsh
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2010	Wilthorpe Marsh
bird	<i>Cuculus canorus</i>	Common Cuckoo	2007	Wilthorpe Marsh
bird	<i>Cuculus canorus</i>	Cuckoo	2008	Wilthorpe Marsh
bird	<i>Cuculus canorus</i>	Cuckoo	2010	Wilthorpe Marsh
bird	<i>Cuculus canorus</i>	Cuckoo	2011	Wilthorpe Marsh
bird	<i>Cuculus canorus</i>	Cuckoo	2012	Barnsley Canal at Wilthorpe LWS
bird	<i>Emberiza citrinella</i>	Yellowhammer	2007	Wilthorpe Marsh
bird	<i>Emberiza citrinella</i>	Yellowhammer	2009	Wilthorpe Marsh
bird	<i>Emberiza citrinella</i>	Yellowhammer	2010	Wilthorpe Marsh
bird	<i>Emberiza citrinella</i>	Yellowhammer	2011	Wilthorpe Marsh

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bird	<i>Emberiza citrinella</i>	Yellowhammer	2012	Barnsley Canal at Wilthorpe LWS
bird	<i>Emberiza schoeniclus</i>	Reed Bunting	2007	Wilthorpe Marsh
bird	<i>Emberiza schoeniclus</i>	Reed Bunting	2010	Wilthorpe Marsh
bird	<i>Emberiza schoeniclus</i>	Reed Bunting	2011	Wilthorpe Marsh
bird	<i>Emberiza schoeniclus</i>	Reed Bunting	2012	Wilthorpe Marsh
bird	<i>Emberiza schoeniclus</i>	Reed Bunting	2012	Barnsley Canal at Wilthorpe LWS
bird	<i>Emberiza schoeniclus</i>	Reed Bunting	2013	Wilthorpe Marsh
bird	<i>Falco peregrinus</i>	Peregrine	2010	Wilthorpe Marsh
bird	<i>Falco peregrinus</i>	Peregrine	2011	Higham
bird	<i>Falco subbuteo</i>	Hobby	2008	Wilthorpe Marsh
bird	<i>Falco tinnunculus</i>	Kestrel	2007	Wilthorpe Marsh
bird	<i>Falco tinnunculus</i>	Kestrel	2009	'BARNSLEY MBC'
bird	<i>Falco tinnunculus</i>	Kestrel	2012	Dodworth
bird	<i>Falco tinnunculus</i>	Kestrel	2013	Darton Sewage Treatment Works
bird	<i>Fringilla montifringilla</i>	Brambling	2009	'BARNSLEY MBC'
bird	<i>Fringilla montifringilla</i>	Brambling	2010	Higham
bird	<i>Fringilla montifringilla</i>	Brambling	2011	Higham
bird	<i>Gallinago gallinago</i>	Snipe	2007	Wilthorpe Marsh
bird	<i>Gallinago gallinago</i>	Snipe	2008	Wilthorpe Marsh
bird	<i>Gallinago gallinago</i>	Snipe	2009	Wilthorpe Marsh
bird	<i>Gallinago gallinago</i>	Snipe	2010	Wilthorpe Marsh
bird	<i>Gallinago gallinago</i>	Snipe	2011	Wilthorpe Marsh
bird	<i>Gallinago gallinago</i>	Snipe	2012	Low Barugh
bird	<i>Locustella naevia</i>	Grasshopper Warbler	2007	Wilthorpe Marsh
bird	<i>Locustella naevia</i>	Grasshopper Warbler	2008	Wilthorpe Marsh
bird	<i>Locustella naevia</i>	Grasshopper Warbler	2009	Wilthorpe Marsh
bird	<i>Locustella naevia</i>	Grasshopper Warbler	2010	Wilthorpe Marsh
bird	<i>Locustella naevia</i>	Grasshopper Warbler	2011	Wilthorpe Marsh
bird	<i>Locustella naevia</i>	Grasshopper Warbler	2012	Barugh Green
bird	<i>Numenius arquata</i>	Curlew	2007	Wilthorpe Marsh
bird	<i>Numenius arquata</i>	Curlew	2009	Wilthorpe Marsh
bird	<i>Pandion haliaetus</i>	Osprey	2011	Higham
bird	<i>Passer montanus</i>	Tree Sparrow	2011	Wilthorpe Marsh

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bird	<i>Perdix perdix</i>	Grey Partridge	2007	Wilthorpe Marsh
bird	<i>Perdix perdix</i>	Grey Partridge	2009	Wilthorpe Marsh
bird	<i>Perdix perdix</i>	Grey Partridge	2010	Wilthorpe Marsh
bird	<i>Perdix perdix</i>	Grey Partridge	2011	Wilthorpe Marsh
bird	<i>Perdix perdix</i>	Grey Partridge	2013	Former Barnsley Canal
bird	<i>Pernis apivorus</i>	Honey Buzzard	2010	Higham
bird	<i>Phalacrocorax carbo</i>	Cormorant	2009	Wilthorpe Marsh
bird	<i>Phalacrocorax carbo</i>	Cormorant	2011	Wilthorpe Marsh
bird	<i>Rallus aquaticus</i>	Water Rail	2007	Wilthorpe Marsh
bird	<i>Rallus aquaticus</i>	Water Rail	2008	Wilthorpe Marsh
bird	<i>Rallus aquaticus</i>	Water Rail	2009	Wilthorpe Marsh
bird	<i>Rallus aquaticus</i>	Water Rail	2010	Barnsley Canal at Wilthorpe LWS
bird	<i>Rallus aquaticus</i>	Water Rail	2010	Wilthorpe Marsh
bird	<i>Rallus aquaticus</i>	Water Rail	2011	Wilthorpe Marsh
bird	<i>Tringa glareola</i>	Wood Sandpiper	2008	Wilthorpe Marsh
bird	<i>Tringa ochropus</i>	Green Sandpiper	2007	Wilthorpe Marsh
bird	<i>Tringa ochropus</i>	Green Sandpiper	2008	Wilthorpe Marsh
bird	<i>Tringa ochropus</i>	Green Sandpiper	2009	Wilthorpe Marsh
bird	<i>Tringa totanus</i>	Redshank	2008	Wilthorpe Marsh
bird	<i>Tringa totanus</i>	Redshank	2009	Wilthorpe Marsh
bird	<i>Turdus iliacus</i>	Redwing	2008	Wilthorpe Marsh
bird	<i>Turdus iliacus</i>	Redwing	2009	Redbrook Pastures LWS
bird	<i>Turdus iliacus</i>	Redwing	2009	Wilthorpe Marsh
bird	<i>Turdus iliacus</i>	Redwing	2010	Higham
bird	<i>Turdus iliacus</i>	Redwing	2011	Wilthorpe Marsh
bird	<i>Turdus iliacus</i>	Redwing	2011	'BARNSELY MBC'
bird	<i>Turdus iliacus</i>	Redwing	2011	Barnsley suburbs outside SE 3406
bird	<i>Turdus iliacus</i>	Redwing	2013	Former Barnsley Canal
bird	<i>Turdus pilaris</i>	Fieldfare	2007	Wilthorpe Marsh
bird	<i>Turdus pilaris</i>	Fieldfare	2008	Wilthorpe Marsh
bird	<i>Turdus pilaris</i>	Fieldfare	2009	Redbrook Pastures LWS
bird	<i>Turdus pilaris</i>	Fieldfare	2011	Higham
bird	<i>Turdus pilaris</i>	Fieldfare	2011	Wilthorpe Marsh

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bird	<i>Vanellus vanellus</i>	Lapwing	2007	Wilthorpe Marsh
bird	<i>Vanellus vanellus</i>	Lapwing	2008	Wilthorpe Marsh
bird	<i>Vanellus vanellus</i>	Lapwing	2009	Wilthorpe Marsh
bird	<i>Vanellus vanellus</i>	Lapwing	2009	'BARNSELY MBC'
bird	<i>Vanellus vanellus</i>	Lapwing	2010	Wilthorpe Marsh
bird	<i>Vanellus vanellus</i>	Lapwing	2011	Wilthorpe Marsh
bird	<i>Vanellus vanellus</i>	Lapwing	2012	Barugh Green
bird	<i>Vanellus vanellus</i>	Lapwing	2012	Low Barugh
bird	<i>Vanellus vanellus</i>	Lapwing	2012	Barnsley Canal at Wilthorpe LWS
bird	<i>Vanellus vanellus</i>	Lapwing	2013	Darton Sewage Treatment Works
bird	<i>Vanellus vanellus</i>	Lapwing	2013	Wilthorpe Marsh
bony fish (Actinopterygii)	<i>Cottus gobio</i>	Bullhead	2011	Silkstone Beck
crustacean	<i>Austropotamobius pallipes</i>	Freshwater Crayfish	2010	Silkstone Beck
crustacean	<i>Austropotamobius pallipes</i>	Freshwater Crayfish	2012	Silkstone Beck
flowering plant	<i>Hyacinthoides non-scripta</i>	Bluebell	2010	Redbrook Pastures LWS
insect - butterfly	<i>Coenonympha pamphilus</i>	Small Heath	2011	Wilthorpe Marsh
insect - butterfly	<i>Lasiommata megera</i>	Wall	2005	Hugset Wood LWS
insect - butterfly	<i>Satyrrium w-album</i>	White Letter Hairstreak	2008	Higham
insect - butterfly	<i>Satyrrium w-album</i>	White Letter Hairstreak	2009	Hugset Wood LWS
insect - butterfly	<i>Satyrrium w-album</i>	White Letter Hairstreak	2011	Hugset Wood LWS
terrestrial mammal	<i>Chiroptera</i>	Bats	2004	Barugh Green
terrestrial mammal	<i>Erinaceus europaeus</i>	Hedgehog	2007	Higham
terrestrial mammal	<i>Erinaceus europaeus</i>	Hedgehog	2012	Dodworth
terrestrial mammal	<i>Erinaceus europaeus</i>	Hedgehog	2013	Barugh Green
terrestrial mammal	<i>Micromys minutus</i>	Harvest Mouse	2012	Barugh Green
terrestrial mammal	<i>Nyctalus leisleri</i>	Leisler's Bat	2003	'BARNSELY MBC'
terrestrial mammal	<i>Nyctalus leisleri</i>	Leisler's Bat	2005	Barnsley MDC
terrestrial mammal	<i>Pipistrellus pipistrellus</i>	Pipistrelle	2003	Barnsley District General
terrestrial mammal	<i>Pipistrellus pipistrellus</i>	Pipistrelle	2007	Higham