

Summary Sheet

Date	02/09/13
Grid Reference	SE 313 104
Site Area	3.3 ha
Surveyor	Elizabeth McBride - Wildscapes

Site Name	Land off Woolley Colliery Road / Bloomhouse Lane
Site Ref Number	BAR81

1 ASSESSMENT

Biodiversity interest (record presence by a cross as appropriate)

Habitat	Present	Notes & Photo Refs
Woodland		
Scrub	X	
Scattered trees		
Species poor or defunct hedgerows	X	BAR81.3
Species rich hedgerows		
Amenity or improved grassland		
Semi-improved grassland	X	BAR81.2, BAR81.4
Unimproved grassland		
Marshy grassland		
Tall ruderals	X	BAR81.1
Dwarf shrub heath		
Lichen/bryophyte heath		
Reedbed		
Swamp		
Standing water (ponds)		
Flowing watercourses		
Arable / cultivated farmland		
Other:		

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

Influences on external features

On watercourse	No
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.	The areas of grassland have limited ecological value. The mature hedgerows around the site act as wildlife corridors and provide bird nesting habitat. These should be retained where possible.	1
b) Development of the site would result in some adverse local ecological impact but there is scope for mitigation.		
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
BAR81.1	Tall ruderals
BAR81.2	Small meadow
BAR81.3	Hedge along eastern edge of small meadow
BAR81.4	Large meadow

4 FURTHER INFORMATION

Brief Site Description

The site consists of two adjacent grass fields to the north of Darton. The fields are species-poor, but the larger field is bordering on species-rich. There are some large patches of tall ruderals at the northern and southern edges. A gappy mature hedge separates the two fields and there is another, more intact, hedge along the eastern boundary.

Additional comments / information

Figure 1 shows the Phase 1 Habitat map for the site.
Figure 2 shows the areas with significant ecological value.

The meadows had been cut before the survey took place. They were growing back and the species were identifiable, however it was more difficult to establish species abundances.

Site Ref: BAR81

Site Area: 3.3 ha

OS Grid Ref: SE 313 104

Date Surveyed: 02/09/13

Surveyor: Elizabeth McBride - Wildscapes

Site Description

The site is located to the north of Darton. It includes two meadows, areas of tall ruderals, some bare ground and hedgerows. To the north is Bloomhouse Lane, with farmland behind. There is a narrow track to the west, separating the site from adjacent grassland and scrub. Woolley Colliery Road runs along the south and west boundary, with housing and sports pitches beyond.

The meadow to the west is the slightly larger of the two. It was cut earlier in the summer and is now beginning to grow back. It supports a mix of grasses including Yorkshire fog (*Holcus lanatus*), crested dogtail (*Cynosaurus cristatus*) and common bent (*Agrostis capillaris*). Red clover (*Trifolium pratense*) and bush vetch (*Vicia sepium*) are frequent, with occasional buttercup (*Ranunculus* sp) and ribwort plantain (*Plantago lanceolata*), and small amounts of common knapweed (*Centaurea nigra*). There are patches of finer grasses, where catsear (*Hypochaeris radicata*) and autumn hawkbit (*Leontodon autumnalis*) are abundant.

Along the edge of Woolley Colliery Road there is scattered hawthorn (*Crataegus monogyna*) scrub and a couple of young apple (*Malus* sp.) trees. Cow parsley and meadow vetchling (*Lathyrus pratensis*) are also present along this edge.

The small field to the west is less diverse. It has also been cut during the summer and supports a similar mix of grasses to the large field, but a slightly more limited range of herbs.

Adjacent to Bloomhouse Lane in the north is a rectangular area dominated by tall ruderals. Species include rosebay willowherb (*Chamerion angustifolium*), nettle (*Urtica dioica*) and great willowherb (*Epilobium hirsutum*). There are some patches of bramble (*Rubus fruticosus*), three silver birch (*Betula pendula*) trees and some hawthorn and lilac (*Syringia* sp.). There is another area of tall ruderals to the south of the smaller field. It appears that a section of this area once supported a structure, but now only the hard standing foundations remain and they are being colonised by grasses and ruderals. Rosebay willowherb, nettle and false oat-grass (*Arrhenatherum elatius*) are frequent and there is occasional hogweed (*Heracleum sphondylium*) and tufted hair-grass (*Deschampsia cespitosa*). Hawthorn and bramble are scattered across the area.

A hedge separates the two meadows. It is tall, but gappy in places, and consists mainly of hawthorn, with some blackthorn (*Prunus spinosa*) and elder (*Sambucus nigra*). To the south it includes an ash (*Fraxinus excelsior*) tree, some tall field maples (*Acer campestre*) and a small amount of holly (*Ilex aquifolium*). There is another hawthorn hedge along the eastern edge, which includes wych elm (*Ulmus glabra*) trees and small amounts of hazel (*Corylus avellana*), elder and a *prunus* sp. There is a line of Lombardy poplars (*Populus nigra 'Italica'*) along the boundary with the building to the north.

Evidence of rabbits (*Oryctolagus cuniculus*) was seen in the meadows.



BAR81.1 Tall ruderals



BAR81.2 Small meadow



BAR81.3 Hedge along eastern edge of small meadow



BAR81.4 Large meadow

Species List for BAR81

DAFOR Scale

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

Grassland

Trees and Shrubs

Hawthorn	<i>Crataegus monogyna</i>	R
Cultivated apple	<i>Malus domestica</i>	R
Dog Rose	<i>Rosa canina</i>	R
Bramble	<i>Rubus fruticosus</i> agg.	R
Willow	<i>Salix</i> sp.	R

Herbs

Yarrow	<i>Achillea millefolium</i>	R
Cow Parsley	<i>Anthriscus sylvestris</i>	R
Mugwort	<i>Artemisia vulgaris</i>	R
Common Knapweed	<i>Centaurea nigra</i>	R
Common Mouse-ear	<i>Cerastium fontanum</i>	R
Creeping Thistle	<i>Cirsium arvense</i>	R
Field Bindweed	<i>Convolvulus arvensis</i>	R
Dove's-foot Cranesbill	<i>Geranium molle</i>	R
Hawkweed	<i>Hieracium</i> sp.	R
Cat's-ear	<i>Hypochaeris radicata</i>	O
Meadow Vetchling	<i>Lathyrus pratensis</i>	R
Autumn hawkbit	<i>Leontodon autumnalis</i>	O
Common Toadflax	<i>Linaria vulgaris</i>	R
Common Bird's-foot Trefoil	<i>Lotus corniculatus</i>	R
Ribwort Plantain	<i>Plantago lanceolata</i>	F
Tormentil	<i>Potentilla erecta</i>	R
Meadow Buttercup	<i>Ranunculus acris</i>	O
Creeping Buttercup	<i>Ranunculus repens</i>	R
Common Sorrel	<i>Rumex acetosa</i>	O
Broad-leaved Dock	<i>Rumex obtusifolius</i>	R
Common Ragwort	<i>Senecio jacobaea</i>	R
Tansy	<i>Tanacetum vulgare</i>	R
Dandelion	<i>Taraxacum</i> agg.	R
Red Clover	<i>Trifolium pratense</i>	F
White Clover	<i>Trifolium repens</i>	O
Common Nettle	<i>Urtica dioica</i>	R
Hairy Tare	<i>Vicia hirsuta</i>	R
Bush Vetch	<i>Vicia sepium</i>	O

Grasses, Rushes and Sedges

Common Bent	<i>Agrostis capillaris</i>	F
False Oat-grass	<i>Arrhenatherum elatius</i>	R
Crested Dog's-tail	<i>Cynosaurus cristatus</i>	F
Cock's-foot	<i>Dactylis glomerata</i>	O
Tufted Hair-grass	<i>Deschampsia cespitosa</i>	R
Yorkshire Fog	<i>Holcus lanatus</i>	F
Soft Rush	<i>Juncus effusus</i>	R
Perennial Rye-grass	<i>Lolium perenne</i>	R
Timothy	<i>Phleum pratense</i>	O

Hedgerows

Trees and Shrubs

Field Maple	<i>Acer campestre</i>	R
Silver Birch	<i>Betula pendula</i>	R
Hazel	<i>Corylus avellana</i>	R
Hawthorn	<i>Crataegus monogyna</i>	F
Ash	<i>Fraxinus excelsior</i>	R
Ivy	<i>Hedera helix</i>	R
Holly	<i>Ilex aquifolium</i>	R
Prunus	<i>Prunus sp.</i>	R
Blackthorn	<i>Prunus spinosa</i>	R
Turkey Oak	<i>Quercus cerris</i>	R
Dog Rose	<i>Rosa canina</i>	R
Bramble	<i>Rubus fruticosus</i> agg.	F
Goat Willow	<i>Salix caprea</i>	R
Elder	<i>Sambucus nigra</i>	O
Wych elm	<i>Ulmus glabra</i>	R

Ferns

Bracken	<i>Pteridium aquilinum</i>	R (LA)
---------	----------------------------	--------

Tall Ruderals (North)

Trees and Shrubs

Silver Birch	<i>Betula pendula</i>	O
Garden Privet	<i>Ligustrum ovatifolium</i>	R
Oak sp.	<i>Quercus sp.</i>	R (sapling)
Dog Rose	<i>Rosa canina</i>	R
Bramble	<i>Rubus fruticosus</i> agg.	O
Lilac	<i>Syringia sp.</i>	O

Herbs

Mugwort	<i>Artemisia vulgaris</i>	R
Rosebay Willowherb	<i>Chamerion angustifolium</i>	A
Creeping Thistle	<i>Cirsium arvense</i>	O
Great Willowherb	<i>Epilobium hirsutum</i>	F
Hogweed	<i>Heracleum sphondylium</i>	R
Broad-leaved Dock	<i>Rumex obtusifolius</i>	R
Common Nettle	<i>Urtica dioica</i>	F

Grasses, Rushes and Sedges

False Oat-grass	<i>Arrhenatherum elatius</i>	O
-----------------	------------------------------	---

Tall Ruderals (South)

Trees and Shrubs

Hawthorn	<i>Crataegus monogyna</i>	R
Bramble	<i>Rubus fruticosus</i> agg.	F
Elder	<i>Sambucus nigra</i>	R

Herbs

Mugwort	<i>Artemisia vulgaris</i>	R
Hedge Bindweed	<i>Calystegia sepium</i>	R
Rosebay Willowherb	<i>Chamerion angustifolium</i>	F
Teasel	<i>Dipsacus fullonum</i>	R

Great Willowherb	<i>Epilobium hirsutum</i>	O
Broad-leaved Willowherb	<i>Epilobium montanum</i>	R
Common hemp-nettle	<i>Galeopsis tetrahit</i>	R
Hogweed	<i>Heracleum sphondylium</i>	O
Common Toadflax	<i>Linaria vulgaris</i>	R
Common Nettle	<i>Urtica dioica</i>	F

**Grasses, Rushes and
Sedges**

False Oat-grass	<i>Arrhenatherum elatius</i>	F
Tufted Hair-grass	<i>Deschampsia cespitosa</i>	O

Figure 1. Phase 1 Habitat Map: September 2013
Site BAR81

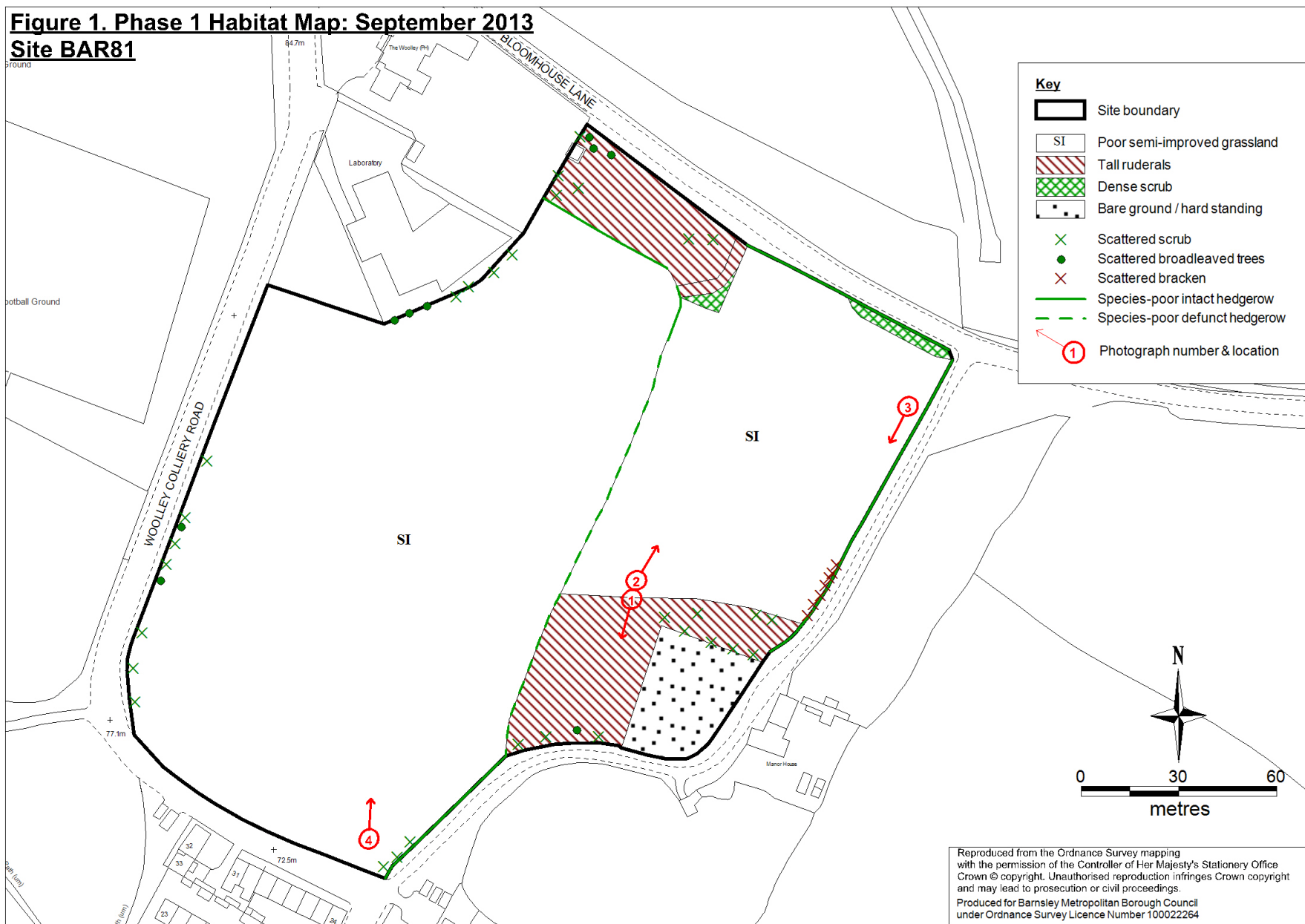
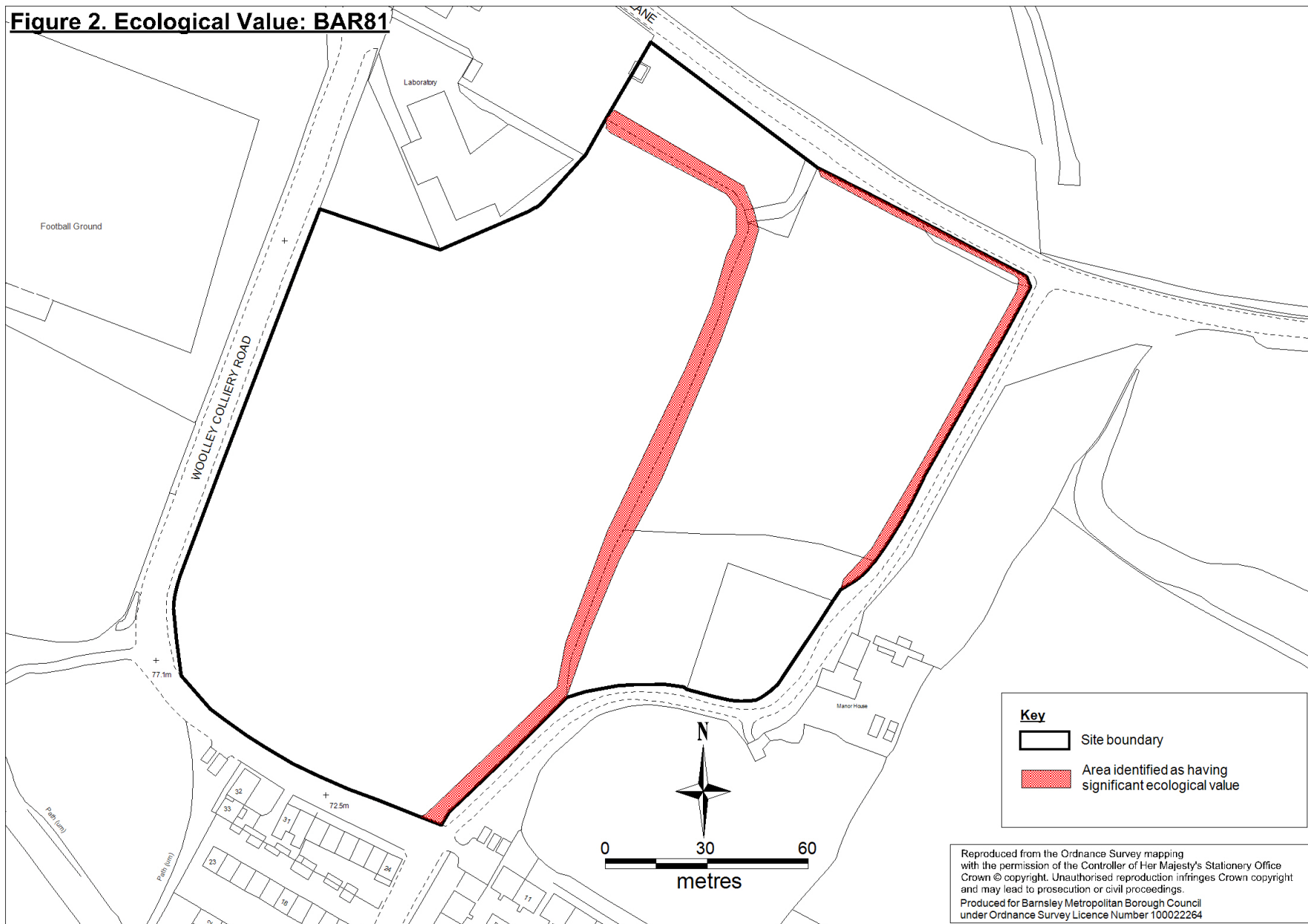


Figure 2. Ecological Value: BAR81



Data Search – Local Records Centre

Notable species recorded within 1km of the site in the last 10 years (2003 – 2013)

A search for badger records has been carried out separately.

Group	Scientific Name	Common Name	Year	Location
amphibian	<i>Bufo bufo</i>	Common Toad	2007	Barrow Colliery Barnsley
amphibian	<i>Rana temporaria</i>	Common Frog	2012	'BARNSELEY MBC'
bird	<i>Alauda arvensis</i>	Skylark	2004	Short Wood fields
bird	<i>Alauda arvensis</i>	Skylark	2005	Barrow Colliery Barnsley
bird	<i>Alauda arvensis</i>	Sky Lark	2007	Wilthorpe Marsh
bird	<i>Alcedo atthis</i>	Kingfisher	2007	Bretton Country Park
bird	<i>Anas clypeata</i>	Shoveler	2009	Pugneys Country Park, Water and surrounding land areas
bird	<i>Anas strepera</i>	Gadwall	2007	Carlton Marsh LWS
bird	<i>Anas strepera</i>	Gadwall	2009	Pugneys Country Park, Water and surrounding land areas
bird	<i>Anser anser</i>	Greylag Goose	2009	Pugneys Country Park, Water and surrounding land areas
bird	<i>Aythya marila</i>	Scaup	2009	Anglers Country Park
bird	<i>Bucephala clangula</i>	Goldeneye	2009	Pugneys Country Park, Water and surrounding land areas
bird	<i>Bucephala clangula</i>	Goldeneye	2009	Anglers Country Park
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2007	Wilthorpe Marsh
bird	<i>Cygnus cygnus</i>	Whooper Swan	2009	Anglers Country Park
bird	<i>Falco peregrinus</i>	Peregrine	2009	Anglers Country Park
bird	<i>Fringilla montifringilla</i>	Brambling	2010	'BARNSELEY MBC'
bird	<i>Gallinago gallinago</i>	Snipe	2007	Wilthorpe Marsh
bird	<i>Larus ridibundus</i>	Black-Headed Gull	2013	'BARNSELEY MBC'
bird	<i>Passer montanus</i>	Tree Sparrow	2010	'BARNSELEY MBC'
bird	<i>Perdix perdix</i>	Grey Partridge	2003	River Dove Valley Worsbrough (Worsbrough CP)
bird	<i>Perdix perdix</i>	Grey Partridge	2005	Barrow Colliery Barnsley
bird	<i>Phalacrocorax carbo</i>	Cormorant	2007	Wilthorpe Marsh
bird	<i>Rallus aquaticus</i>	Water Rail	2007	Wilthorpe Marsh
bird	<i>Rallus aquaticus</i>	Water Rail	2009	'BARNSELEY MBC'
bird	<i>Tringa ochropus</i>	Green Sandpiper	2007	Wilthorpe Marsh
bird	<i>Tringa totanus</i>	Common Redshank	2007	Wilthorpe Marsh
bird	<i>Tringa totanus</i>	Redshank	2009	Pugneys Country Park, Water and surrounding land areas

bird	<i>Turdus iliacus</i>	Redwing	2003	River Dove Valley Worsbrough (Worsbrough CP)
bird	<i>Turdus pilaris</i>	Fieldfare	2003	River Dove Valley Worsbrough (Worsbrough CP)
bird	<i>Turdus pilaris</i>	Fieldfare	2010	'BARNSELY MBC'
bird	<i>Tyto alba</i>	Barn Owl	2010	'BARNSELY MBC'
bird	<i>Vanellus vanellus</i>	Northern Lapwing	2007	Wilthorpe Marsh
bird	<i>Vanellus vanellus</i>	Lapwing	2009	Pugneys Country Park, Water and surrounding land areas
insect - butterfly	<i>Erynnis tages</i>	Dingy Skipper	2011	'BARNSELY MBC'
terrestrial mammal	<i>Arvicola amphibius</i>	Water Vole	2012	Rabbit Ings
terrestrial mammal	<i>Chiroptera</i>	Bats	2005	Staincross