

Summary Sheet

Date	12/05/13
Grid Reference	SK 336 992
Site Area	4.3 ha
Surveyor	Chris Doar, Wildscapes

Site Name	Wentworth Industrial Estate, Tankersley
Site Ref Number	N1

1 ASSESSMENT

Biodiversity interest (record presence by a cross as appropriate)

Habitat	Present	Notes & photo refs
Woodland	X	Semi natural ancient woodland; N1.1
Scrub	X	N1.3
Scattered trees	X	
Species poor or defunct hedgerows		
Species rich hedgerows		
Amenity or improved grassland		
Semi-improved grassland	X	Species-rich neutral grassland N1.2
Unimproved grassland		
Marshy grassland	X	Localised rush-dominated areas
Tall ruderals		
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	Yes. Sowell Wood would become isolated if this site is (fully) developed.
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.		
c) Development of the site would result in detrimental ecological impacts.	<p>This site cannot be developed without damaging valuable wildlife habitat (oak woodland & species-rich grassland). Mitigation would therefore involve partial development of the area, in which case the site's woodlands should be protected and retained as a matter of priority.</p> <p>Equally, the grassland on the western section of the site is of greater species diversity, and therefore ecological value, than that to the east, so should be given priority for retention within the scope of any development.</p>	5

3 PHOTOGRAPHIC DETAILS

Photograph locations are recorded on the site map.

Photo Ref	Caption
N1.1	View through woodland
N1.2	View across western grassland
N1.3	View across eastern section of site.

4 FURTHER INFORMATION

Brief Site Description

The site comprises two discrete areas within Wentworth Industrial Park. It is vegetated by broad-leaved woodland and semi-improved neutral grassland with scattered scrub. The grassland is species-rich, dominated by broadleaved grasses but with many herbs present, including species associated with older grasslands. Two areas of by mature, Oak dominated woodland are present on site, at least one of which may be a remnant of semi-natural ancient woodland.

Additional comments / information

Rabbit (*Oryctolagus cuniculus*) was recorded on site. Although valuable, the site's grasslands are declining due to a lack of suitable management. In order for their value to be retained an appropriate grazing or mowing regime would need to be adopted.

A search of local records revealed that great crested newts have been recorded within a series of ponds near to site N1. Although there are no ponds within the site, there is suitable terrestrial habitat. Before development occurs the site should be fully assessed for its potential to support great crested newts.

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

Tankersley Area

Sub-site N1

Site Area: 4.3 ha

OS Grid Ref: SK 336 992

Date Surveyed: 12/05/13

Surveyor: Chris Doar

Site Description

The site comprises two discrete areas within and adjacent to Wentworth Industrial Park. These areas are separated by a minor road. The eastern section is bounded by a disused railway line vegetated by woodland to the east, with minor roads and business units to the north, south and west. The western section of the site is bounded by minor roads and business units to the north, south and east, and by semi-improved grassland to the west.

The site is vegetated by broad-leaved woodland and semi-improved neutral grassland with scattered scrub. The grassland is species-rich, dominated by broadleaved grasses such as Cocksfoot (*Dactylic glomerata*) but with many herbs present. Common Knapweed (*Centaurea nigra*), Meadow Buttercup (*Ranunculus acris*) and Pignut (*Conopodium majus*), which are species associated with older grasslands were recorded on site, along with other typical neutral grassland species, such as Yarrow (*Achillea millifolium*), Bird's-foot Trefoil (*Lotus corniculatus*) and Ribwort Plantain (*Plantago lanceolata*).

Scrub is present across the site's grasslands, and is a particularly strong component within the eastern section of the site. The composition of the scrub varies, comprising both planted species such as Cherry (*Prunus* sp.) on the site boundary to Silver Birch (*Betula pendula*) on the eastern section and Hawthorn (*Crataegus monogyna*) to the west.

On areas of the site where drainage is poor, localised areas of marshy grassland dominated by Hard Rush (*Juncus inflexus*) have formed.

Two areas of by mature, Oak (*Quercus x rosacea*) dominated woodland are present on site. On the western section of the site the woodland is open, with an Oak dominated canopy with frequent Silver Birch, a sparse understorey comprising Elder (*Sambucus nigra*) and Bramble (*Rubus fruticosus* agg.) and occasional saplings and a ground flora dominated by Bluebell (*Hyacinthoides non-scripta*) and Creeping Soft-grass (*Holcus mollis*). The ancient woodland indicator species Yellow Archangel (*Lamium galeobdolon*) was also recorded in this area, suggesting that this may be a remnant of semi-natural ancient woodland.

On the site's eastern section, the woodland is also Oak dominated but with frequent mature Sycamore (*Acer pseudoplatanus*), and an understorey including Wych Elm (*Ulmus glabra*). The ancient woodland indicator Dog's Mercury (*Mercurialis perennis*) was recorded in this area woodland, with Wavy Hair-grass (*Deschampsia flexuosa*) and Wood Aven (*Geum urbanum*).



Photo N1.1 View through woodland.



N1.2 View across western grassland



N1.3 View across eastern section of site.

Species List for N1

DAFOR Scale

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

Grassland

Trees and Shrubs

Silver Birch	<i>Betula pendula</i>	O
Hawthorn	<i>Crataegus monogyna</i>	O
Cherry	<i>Prunus</i> sp.	LF
Dog Rose	<i>Rosa canina</i>	R
Bramble	<i>Rubus fruticosus</i> agg.	O
Goat Willow	<i>Salix capraea</i>	O
Whitebeam	<i>Sorbus aria</i> agg.	R

Herbs

Yarrow	<i>Achillea millefolium</i>	A
Cow Parsley	<i>Anthriscus sylvestris</i>	LF
Daisy	<i>Bellis perennis</i>	R
Cuckooflower	<i>Cardamine pratensis</i>	R
Common Knapweed	<i>Centaurea nigra</i>	F
Rosebay Willowherb	<i>Chamerion angustifolium</i>	F
Creeping Thistle	<i>Cirsium arvense</i>	F
Pignut	<i>Conopodium majus</i>	O
Great Willowherb	<i>Epilobium hirsutum</i>	F
Hogweed	<i>Heracleum sphondylium</i>	O
Meadow Vetchling	<i>Lathyrus pratensis</i>	F
Common Bird's-foot Trefoil	<i>Lotus corniculatus</i>	F
Ribwort Plantain	<i>Plantago lanceolata</i>	A
Greater Plantain	<i>Plantago major</i>	O
Meadow Buttercup	<i>Ranunculus acris</i>	R
Creeping Buttercup	<i>Ranunculus repens</i>	O
Common Sorrel	<i>Rumex acetosa</i>	O
Broad-leaved Dock	<i>Rumex obtusifolius</i>	F
Common Ragwort	<i>Senecio jacobaea</i>	F
Greater Stitchwort	<i>Stellaria holostea</i>	R
Dandelion	<i>Taraxacum</i> agg.	O
White Clover	<i>Trifolium repens</i>	F
Germander Speedwell	<i>Veronica chamaedrys</i>	LA
Vetch	<i>Vicia</i> sp.	O

Grasses, sedges and rushes

Meadow Foxtail	<i>Alopecurus pratensis</i>	F
False Oat-grass	<i>Arrhenatherum elatius</i>	A
Brome	<i>Bromopsis</i> sp.	O
Crested Dog's-tail	<i>Cynosaurus cristatus</i>	R
Cock's-foot	<i>Dactylis glomerata</i>	A
Red Fescue	<i>Festuca rubra</i>	LA
Yorkshire Fog	<i>Holcus lanatus</i>	LF
Hard Rush	<i>Juncus inflexus</i>	LD
Field Wood-rush	<i>Luzula campestris</i>	O

Smooth Meadow-grass	<i>Poa pratensis</i>	O
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Woodland

Trees and Shrubs

Sycamore	<i>Acer pseudoplatanus</i>	LF
Silver Birch	<i>Betula pendula</i>	F
Hawthorn	<i>Crataegus monogyna</i>	F
Cherry	<i>Prunus</i> sp.	O
Oak	<i>Quercus</i> × <i>rosacea</i>	D
Dog Rose	<i>Rosa canina</i>	O
Bramble	<i>Rubus fruticosus</i> agg.	F
Elder	<i>Sambucus nigra</i>	F
Wych elm	<i>Ulmus glabra</i>	R

Herbs

Common Mouse-ear	<i>Cerastium fontanum</i>	R
Spear Thistle	<i>Cirsium vulgare</i>	R
Cleavers	<i>Galium aparine</i>	O
Wood Avens	<i>Geum urbanum</i>	R
Bluebell	<i>Hyacinthoides non-scripta</i>	LF
Yellow archangel	<i>Lamium galeobdolon</i>	R
Dog's Mercury	<i>Mercurialis perennis</i>	R
Lesser Celandine	<i>Ranunculus ficaria</i>	R
Curled Dock	<i>Rumex crispus</i>	R
Broad-leaved Dock	<i>Rumex obtusifolius</i>	O
Common Chickweed	<i>Stellaria media</i>	R
Common Nettle	<i>Urtica dioica</i>	LA
Common Vetch	<i>Vicia sativa</i>	F

Grasses, sedges and rushes

Brome	<i>Bromopsis</i> sp.	R
Cock's-foot	<i>Dactylis glomerata</i>	F
Wavy Hair-grass	<i>Deschampsia flexuosa</i>	LF
Red Fescue	<i>Festuca rubra</i>	LF
Creeping Soft-grass	<i>Holcus mollis</i>	LD
Field Wood-rush	<i>Luzula campestris</i>	R

Figure 1. Phase 1 Habitat Map: May 2013
Site N1

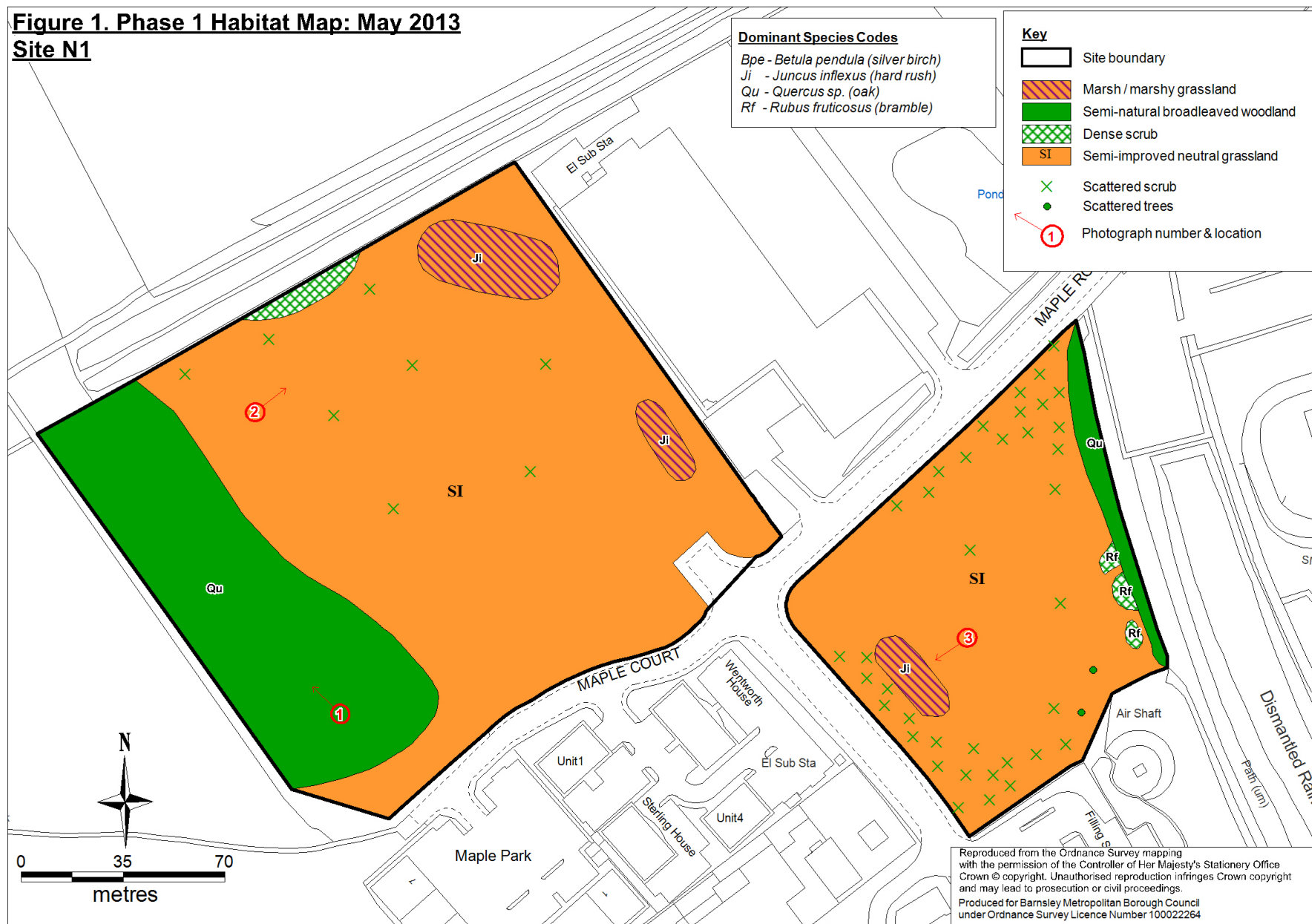
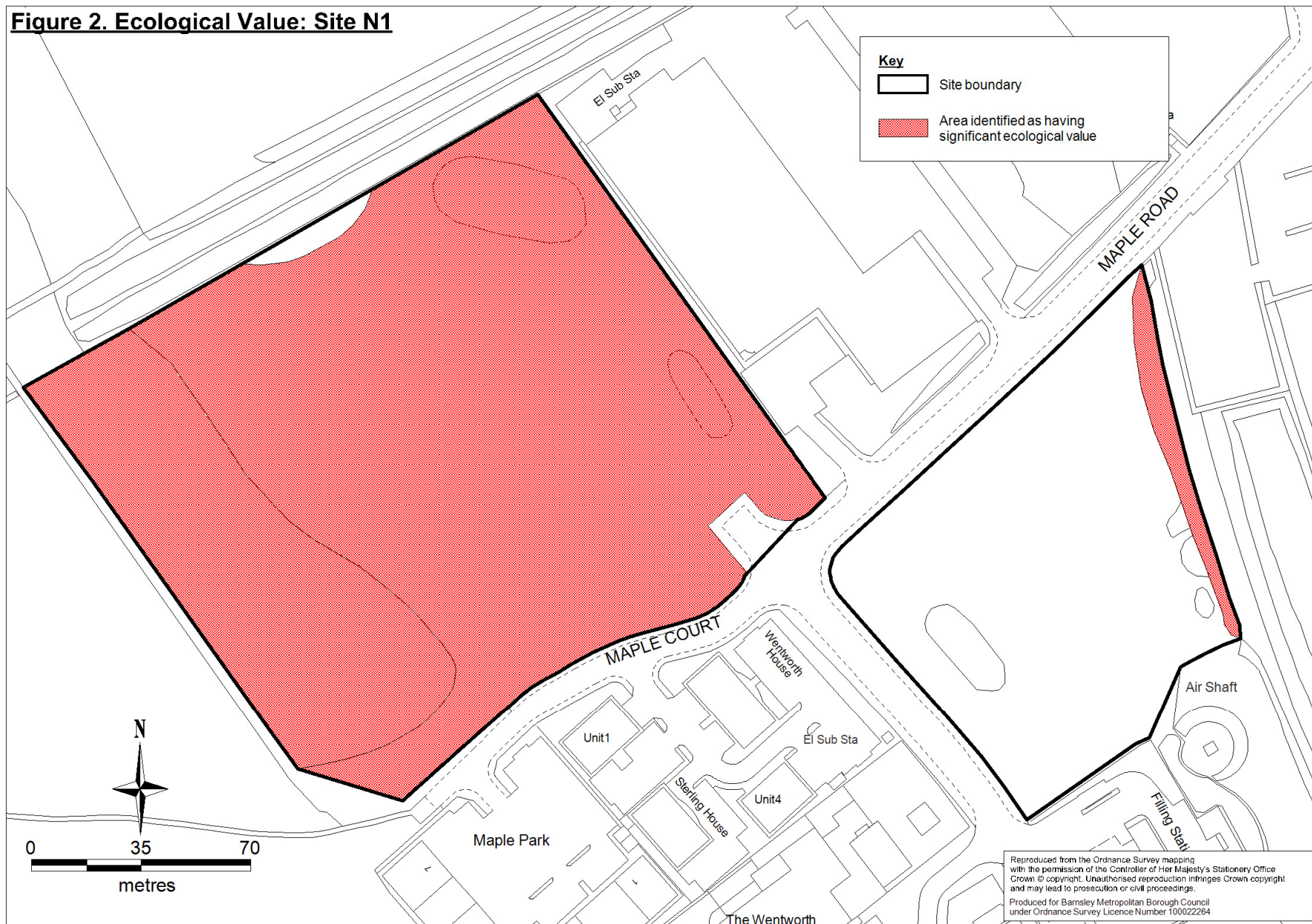


Figure 2. Ecological Value: Site N1



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>Bufo bufo</i>	Common Toad	2007	Tankersley pond 7
amphibian	<i>Bufo bufo</i>	Common Toad	2007	Sowell Pond
amphibian	<i>Bufo bufo</i>	Common Toad	2011	Tankersley pond 11
amphibian	<i>Bufo bufo</i>	Common Toad	2011	Tankersley pond 7
amphibian	<i>Bufo bufo</i>	Common Toad	2011	Sowell Pond
amphibian	<i>Bufo bufo</i>	Common Toad	2012	Sowell Pond Mercedes
amphibian	<i>Rana temporaria</i>	Common Frog	2007	Tankersley pond 7
amphibian	<i>Rana temporaria</i>	Common Frog	2011	Tankersley pond 11
amphibian	<i>Rana temporaria</i>	Common Frog	2011	Tankersley pond 14
amphibian	<i>Rana temporaria</i>	Common Frog	2011	Tankersley pond 7
amphibian	<i>Rana temporaria</i>	Common Frog	2011	Sowell Pond
amphibian	<i>Rana temporaria</i>	Common Frog	2012	'BARNSELY MBC'
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2004	Sowell Pond
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2007	Tankersley pond 7
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2007	Sowell Pond
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2010	Tankersley pond 7
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2011	Tankersley pond 7
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2011	Tankersley pond 11
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2011	Tankersley pond 12
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2011	Sowell Pond
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2012	Sowell Pond 2
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2012	Tankersley pond 11
amphibian	<i>Triturus cristatus</i>	Great Crested Newt	2012	Sowell Pond
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2004	Sowell Pond
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2007	Tankersley pond 7
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2011	Tankersley pond 12
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2011	Tankersley pond 7

amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2011	Sowell Pond
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2012	Sowell Pond
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2012	Tankersley pond 11
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>Alauda arvensis</i>	Skylark	2010	'BARNSELY MBC'
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2007	Wilthorpe Marsh
bird	<i>Falco tinnunculus</i>	Common Kestrel	2010	Westwood, Tankersley
bird	<i>Falco tinnunculus</i>	Kestrel	2010	'BARNSELY MBC'
bird	<i>Falco tinnunculus</i>	Kestrel	2010	Westwood Country Park
bird	<i>Falco tinnunculus</i>	Kestrel	2012	Greaves Lane
bird	<i>Fringilla montifringilla</i>	Brambling	2010	'BARNSELY MBC'
bird	<i>Gallinago gallinago</i>	Snipe	2007	Wilthorpe Marsh
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>Perdix perdix</i>	Grey Partridge	2010	'BARNSELY MBC'
bird	<i>Phalacrocorax carbo</i>	Cormorant	2007	Wilthorpe Marsh
bird	<i>Rallus aquaticus</i>	Water Rail	2007	Wilthorpe Marsh
bird	<i>Tringa ochropus</i>	Green Sandpiper	2007	Wilthorpe Marsh
bird	<i>Tringa totanus</i>	Common Redshank	2007	Wilthorpe Marsh
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	2010	'BARNSELY MBC'
insect - butterfly	<i>Satyrrium w-album</i>	White Letter Hairstreak	2006	West Wood LWS
terrestrial mammal	<i>Pipistrellus pipistrellus</i>	Pipistrelle	2006	
terrestrial mammal	<i>Pipistrellus pipistrellus</i>	Pipistrelle	2008	
terrestrial mammal	<i>Pipistrellus pipistrellus 45kHz</i>	45 Khz Pipistrelle	2003	'BARNSELY MBC'
terrestrial mammal	<i>Plecotus auritus</i>	Brown Long-Eared Bat	2003	Howbrook