Summary Sheet

Date	18/04/13
Grid Reference	SE 355 011
Site Area	11.8 ha
Surveyor	Chris Doar, Wildscapes

Site Name	Shortwood Extension
Site Ref Number	H3

1 ASSESSMENT

Biodiversity interest (record presence by a cross as appropriate)

Habitat	Present	Notes & photo refs
Woodland	X	H3.2
Scrub	X	H3.1
Scattered trees		
Species poor or defunct hedgerows	X	H3.1
Species rich hedgerows		
Amenity or improved grassland	X	
Semi-improved grassland	X	H3.1
Unimproved grassland		
Marshy grassland		
Tall ruderals		
Dwarf shrub heath		
Lichen/bryophyte heath		
Reedbed		
Swamp		
Standing water (ponds)	X	H3.3, H3.4
Flowing watercourses		
Arable / cultivated farmland	X	
Other:		

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

Influences on external features

On watercourse	No
On wildlife corridor	Potentially. Site forms part of a large habitat corridor running north south from the M1 to the Dearne Valley
Would lead to habitat isolation	No
Proximity/linkage to SSSI/LNR	None
Other	Short Wood, an ancient woodland, is within 50m to the north.

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.	The most valuable habitats on site are those found in its south-western corner and these should be excluded from the scope of any future development. See Figure 2. This site has potential as a habitat for newts. The Great Crested Newt, is strictly protected by British and European law, so it is recommended that this possibility is investigated prior to any development of the site. The presence of Great Crested Newt on site would change the recommendation for this site from a score of 3 to a score of 5 and would require further mitigation.	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
H3.1	View over site.
H3.2	Plantation Woodland
H3.3	Pond

4 FURTHER INFORMATION

Brief Site Description
This is a secondary site, comprising areas of improved grassland and semi-improved grassland inter-planted by belts of young broadleaved trees, hedgerows and scrub. Large areas of the site are used for grazing, with an extensive path network available for recreational pursuits such as horse-riding and dog walking.

Additional comments / information
This site has potential as a habitat for newts. As one species of these, Great Crested Newt, is strictly protected by British and European law, it is recommended that this possibility is investigated prior to any development of the site. It should be noted that this site forms part of a wildlife corridor running from the M1 to the Dearne Valley. Some recommendations for how this function could be retained if the site were to be developed are given above. However, the full scale scope and location of the mitigation necessary to maintain the functioning of this corridor should be considered not just on the level of this site individually, but with reference to decisions on development affecting other sites in the area – namely H1, H2, H5 and H9 – and is therefore beyond the scope of this report. With reference to the data search, no significant issues for protected or priority species have arisen for this site. Figure 1 shows the Phase 1 Habitat map for the site. Figure 2 shows the areas with significant ecological value.

Hoyland Area

Sub-site H3

Site Area: 11.8 ha

OS Grid Ref: SE 355 011

Date Surveyed: 18/04/13

Surveyor: Chris Doar

Site Description

This site appears secondary in nature. It comprises areas of improved grassland and semi-improved grassland inter-planted by belts of young broadleaved trees, hedgerows and scrub. It is bounded by the Shortwood Business Park to the north and east, the A6195 to the south-east, and agricultural land to the west. This site appears to have been created/planted at the same as H5 to the south-east and there are many similarities between the vegetation found on both sites.

Two fields within the site are in agricultural usage, with an extensive path network surrounding these available for recreational pursuits such as horse-riding and dog walking.

Two types of grassland are present on the site. The improved grassland is species-poor, with few herbs, other than Creeping Buttercup (*Ranunculus repens*) and White Clover (*Trifolium repens*) in evidence.

Of greater interest are the semi-improved neutral grasslands that lie outside the fields. In some areas these are species-poor, with a sward comprising Yorkshire Fog (*Holcus lanatus*), with abundant Cocksfoot (*Dactylis glomerata*) and Creeping Bent. Herbs present include Cow Parsley (*Anthriscus sylvestris*), Dandelion (*Taraxacum* agg.) and Coltsfoot (*Tussilago fafara*). Tufted Hair-grass (*Deschampsia cespitosa*) and Hard Rush (*Juncus inflexus*) are found frequently along drainage ditches within the grassland.

At the southern end of the site the character of these grasslands changes, showing more floral diversity. Crested Dog's-tail (*Cynosaurus cristatus*), Yorkshire Fog and Perennial rye-grass (*Lolium perenne*) are abundant in the sward, along with Ox-eye Daisy (Leucanthemum vulgare), Meadow Buttercup (*Ranunculus acris*), Red Clover (*Trifolim pratense*) and Meadow Vetching (*Lathyrus pratensis*).

Hawthorn (*Crataegus monogyna*) dominated hedgerows are found along the fence lines of the eastern side of the improved grasslands. These hedges are modern in origin and contain a number of woody species, including Blackthorn (*Prunus spinosa*) and Elder (*Sambucus nigra*) but have a very poor associated ground flora dominated by Cow Parsley and Cleavers (*Galium aparine*).

The site's woodland areas are the result of planting c.10 years ago. Alder (*Alnus glutinosa*), Hazel (*Corylus avellana*), Goat Willow (*Salix capraea*.) and Hawthorn dominate the mix, with Scot's Pine (*Pinus sylvestris*) locally frequent in the woodland that forms the site's south-western boundary. The ground within the woodland is poorly drained and the ground flora is dominated by tussock-forming grasses that tolerate wet conditions, such as Tufted hair-grass (*Deschampsia cespitosa*).

A eutrophic pond and ditch are present in the south-western corner of the site. The margins of the pond are dominated by emergent vegetation – largely Common Reed (*Phragmites australis*), with some Bulrush (*Typha latifolia*) and Reed Sweet-grass (*Glyceria maxima*), with open water in the centre. The pond margins have extensive growth of False Fox Sedge (*Carex otrubae.*). New Zealand Pygmy Weed (*Crassula helmsii*), an invasive non-native species, was recorded in the pond.

Photo H3.1 View over site.

Photo H3.2 Plantation Woodland

Photo H3.3 Pond

Photo H3.4 Pond (in July)

Species List for H3

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

Grassland

Trees and Shrubs

Hawthorn	*Crataegus monogyna*	O
Field Rose	*Rosa arvensis*	R
Dog Rose	*Rosa canina*	O
Japanese Rose	*Rosa rugosa*	O

Herbs

Cow Parsley	*Anthriscus sylvestris*	O
Teasel	*Dipsacus fullonum*	O
Meadow Vetchling	*Lathyrus pratensis*	F
Ox-eye Daisy	*Leucanthemum vulgare*	LF
Greater Plantain	*Plantago lanceolata*	O
Meadow Buttercup	*Ranunculus acris*	F
Creeping Buttercup	*Ranunculus repens*	F
Broad-leaved Dock	*Rumex obtusifolius*	O
Common Ragwort	*Senecio jacobaea*	O
Dandelion	*Taraxacum* agg.	O
Red Clover	*Trifolium pratense*	O
White Clover	*Trifolium repens*	A
Coltsfoot	*Tussilago farfara*	O
Tufted Vetch	*Vicia cracca*	O

Grasses, sedges and rushes

Creeping Bent	*Agrostis stolonifera*	F
False Oat-grass	*Arrhenatherum elatius*	F
Crested Dog's-tail	*Cynosaurus cristatus*	A
Cock's-foot	*Dactylis glomerata*	F
Tufted Hair-grass	*Deschampsia cespitosa*	O
Tall Fescue	*Festuca arundinacea*	O
Yorkshire Fog	*Holcus lanatus*	O?
Hard Rush	*Juncus inflexus*	LA
Perennial Rye-grass	*Lolium perenne*	LA
Annual Meadow-grass	*Poa annua*	LF
Bulrush	*Typha latifolia*	R

Plantation Woodland

Trees and Shrubs

Alder	*Alnus glutinosa*	F
Hazel	*Corylus avellana*	F
Beech	*Fagus sylvatica*	O
Ash	*Fraxinus excelsior*	O
Scots Pine	*Pinus sylvestris*	LF
Poplar	*Populus* sp.	O
Pedunculate Oak	*Quercus robur*	O
Willow	*Salix capraea*.	O
Common Osier	*Salix vimimalis*	LF

Grasses, sedges and rushes		
Tufted Hair-grass	*Deschampsia cespitosa*	F
Red Fescue	*Festuca rubra*	F
Yorkshire Fog	*Holcus lanatus*	F
Soft Rush	*Juncus effusus*	O

Pond

Trees and Shrubs		
Willow	*Salix sp.*	LF
Herbs		
Wild Celery	*Apium graveolens*	R
New Zealand Pigmyweed	*Crassula helmsii*	A
Willowherb	*Epilobium sp.*	F
Yellow Flag	*Iris pseudoacorus*	LF
Grasses, sedges and rushes		
False Fox Sedge	*Carex obtrubae*	F
Common Reed	*Phragmites australis*	LD
Reed Sweet-grass	*Glyceria maxima*	F
Bulrush	*Typha latifolia*	LD

Hedgerows

Trees and Shrubs		
Alder	*Alnus glutinosa*	R
Hawthorn	*Crataegus monogyna*	D
Broom	*Cytisus scoparius*	O
Ash	*Fraxinus excelsior*	O
Blackthorn	*Prunus spinosa*	LF
Field Rose	*Rosa arvensis*	R
Bramble	*Rubus fruticosus* agg.	F
Elder	*Sambucus nigra*	O
Herbs		
Cow Parsley	*Anthriscus sylvestris*	F
Cleavers	*Galium aparine*	F

Figure 1. Phase 1 Habitat Map: April 2013
Site H3

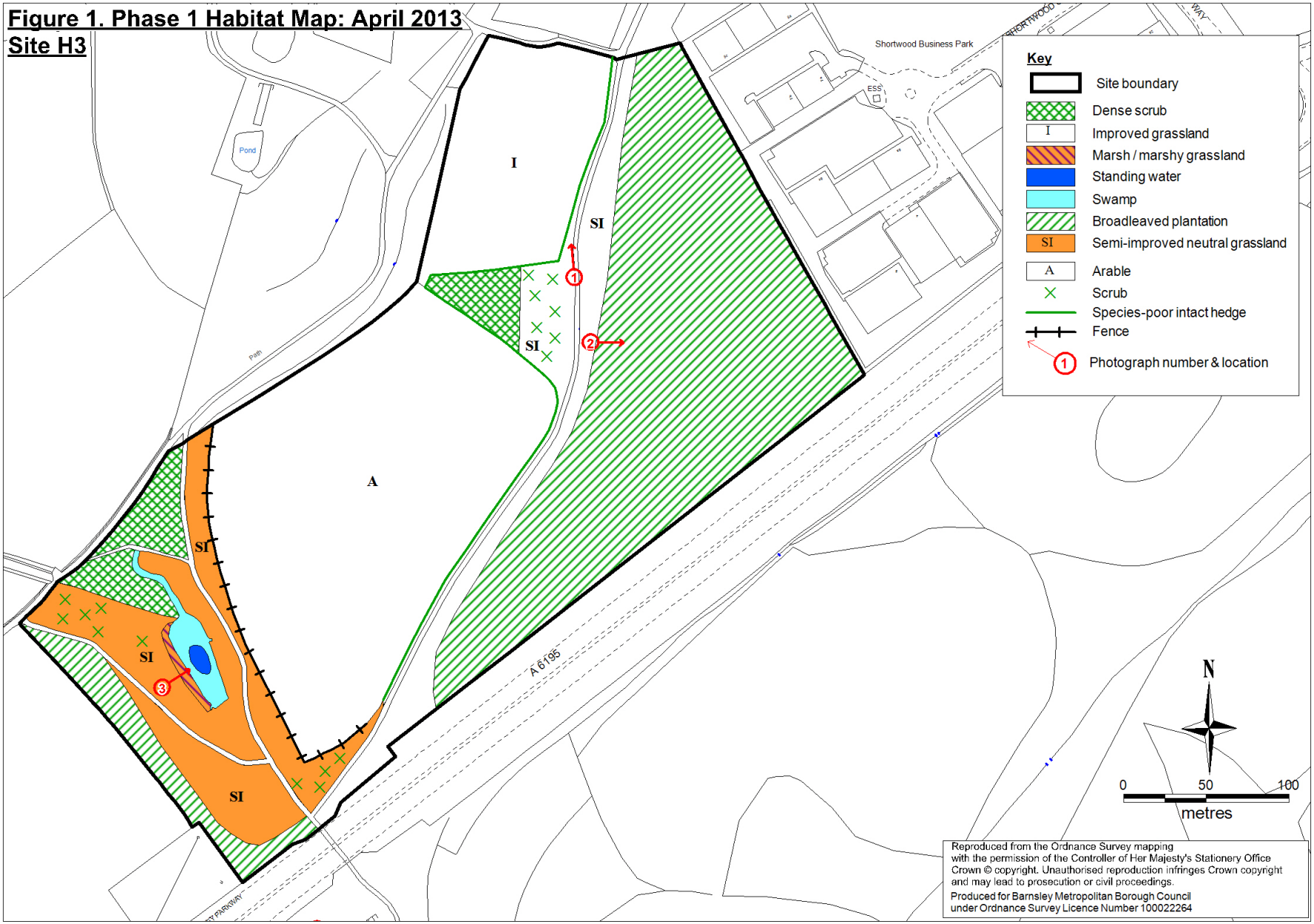
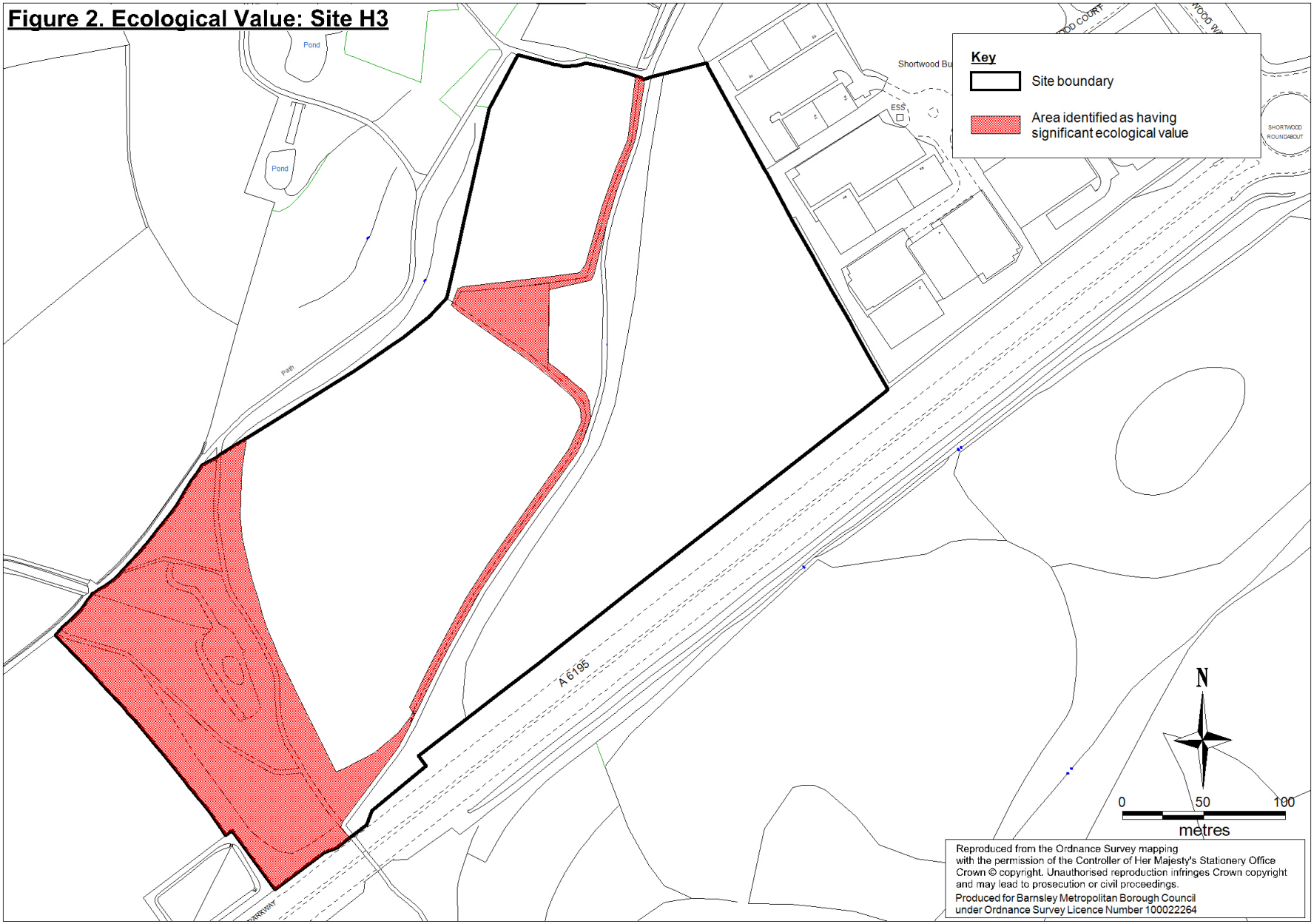


Figure 2. Ecological Value: Site H3



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	*Bufo bufo*	Common Toad	2005	Birdwell pond 2
amphibian	*Bufo bufo*	Common Toad	2007	Barrow Colliery Barnsley
amphibian	*Bufo bufo*	Common Toad	2009	Birdwell pond 7
amphibian	*Bufo bufo*	Common Toad	2011	Barrow Colliery Barnsley
amphibian	*Rana temporaria*	Common Frog	2005	Birdwell pond 3
amphibian	*Rana temporaria*	Common Frog	2005	Birdwell pond 4
amphibian	*Rana temporaria*	Common Frog	2009	Birdwell pond 7
amphibian	*Rana temporaria*	Common Frog	2012	'BARNSLEY MBC'
amphibian	*Triturus vulgaris*	Smooth Newt	2005	Birdwell pond 2
amphibian	*Triturus vulgaris*	Smooth Newt	2005	Birdwell pond 3
amphibian	*Triturus vulgaris*	Smooth Newt	2005	Birdwell pond 4
amphibian	*Triturus vulgaris*	Smooth Newt	2009	Birdwell pond 7
bird	*Alauda arvensis*	Skylark	2003	Barrow Colliery Barnsley
bird	*Alauda arvensis*	Skylark	2004	Barrow Colliery Barnsley
bird	*Alauda arvensis*	Skylark	2004	Short Wood fields
bird	*Alauda arvensis*	Skylark	2005	Barrow Colliery Barnsley
bird	*Alauda arvensis*	Sky Lark	2006	Barrow Colliery Barnsley
bird	*Alauda arvensis*	Sky Lark	2006	Worsbrough Park (not Country Pk) Dove Valley Worsbrough
bird	*Alauda arvensis*	Sky Lark	2007	Wilthorpe Marsh
bird	*Alauda arvensis*	Skylark	2007	Tankersley
bird	*Alauda arvensis*	Skylark	2009	Tankersley
bird	*Alauda arvensis*	Skylark	2009	'BARNSLEY MBC'
bird	*Cettia cetti*	Cetti's Warbler	2004	River Dove Valley Worsbrough (Worsbrough CP)
bird	*Cettia cetti*	Cetti's Warbler	2005	Worsbrough Reservoir, Dove Valley
bird	*Cettia cetti*	Cetti's Warbler	2005	Willow Wood, Dove Valley, Worsbrough
bird	*Charadrius dubius*	Little Ringed Plover	2007	Wilthorpe Marsh
bird	*Falco tinnunculus*	Kestrel	2003	Worsbrough Park (not Country Pk) Dove Valley Worsbrough
bird	*Falco tinnunculus*	Kestrel	2004	River Dove Valley Worsbrough (Worsbrough CP)

bird	*Falco tinnunculus*	Common Kestrel	2006	Barrow Colliery Barnsley
bird	*Falco tinnunculus*	Kestrel	2007	Tankersley
bird	*Falco tinnunculus*	Kestrel	2009	Tankersley
bird	*Fringilla montifringilla*	Brambling	2010	'BARNSLEY MBC'
bird	*Gallinago gallinago*	Snipe	2003	Barrow Colliery Barnsley
bird	*Gallinago gallinago*	Snipe	2004	Barrow Colliery Barnsley
bird	*Gallinago gallinago*	Common Snipe	2006	Barrow Colliery Barnsley
bird	*Gallinago gallinago*	Snipe	2007	Wilthorpe Marsh
bird	*Larus ridibundus*	Black-headed Gull	2007	Tankersley
bird	*Larus ridibundus*	Black-Headed Gull	2009	Broom Royd Wood, Rockley Valley
bird	*Passer montanus*	Tree Sparrow	2009	Tankersley
bird	*Perdix perdix*	Grey Partridge	2003	Barrow Colliery Barnsley
bird	*Perdix perdix*	Grey Partridge	2003	River Dove Valley Worsbrough (Worsbrough CP)
bird	*Perdix perdix*	Grey Partridge	2004	Barrow Colliery Barnsley
bird	*Perdix perdix*	Grey Partridge	2004	Short Wood fields
bird	*Perdix perdix*	Grey Partridge	2005	Barrow Colliery Barnsley
bird	*Perdix perdix*	Grey Partridge	2006	Barrow Colliery Barnsley
bird	*Perdix perdix*	Grey Partridge	2006	Worsbrough Park (not Country Pk) Dove Valley Worsbrough
bird	*Phalacrocorax carbo*	Cormorant	2007	Wilthorpe Marsh
bird	*Phoenicurus ochruros*	Black Redstart	2005	Barrow Colliery Barnsley
bird	*Rallus aquaticus*	Water Rail	2003	Willow Wood, Dove Valley, Worsbrough
bird	*Rallus aquaticus*	Water Rail	2007	Wilthorpe Marsh
bird	*Tringa ochropus*	Green Sandpiper	2007	Wilthorpe Marsh
bird	*Tringa totanus*	Common Redshank	2007	Wilthorpe Marsh
bird	*Turdus iliacus*	Redwing	2003	River Dove Valley Worsbrough (Worsbrough CP)
bird	*Turdus iliacus*	Redwing	2003	Worsbrough Park (not Country Pk) Dove Valley Worsbrough
bird	*Turdus iliacus*	Redwing	2004	Barrow Farm
bird	*Turdus iliacus*	Redwing	2004	River Dove Valley Worsbrough (Worsbrough CP)
bird	*Turdus iliacus*	Redwing	2004	Barrow Colliery Barnsley
bird	*Turdus iliacus*	Redwing	2005	River Dove Valley Worsbrough (Worsbrough CP)
bird	*Turdus iliacus*	Redwing	2006	Barrow Colliery Barnsley
bird	*Turdus iliacus*	Redwing	2007	Tankersley

bird	*Turdus iliacus*	Redwing	2009	'BARNSLEY MBC'
bird	*Turdus pilaris*	Fieldfare	2003	River Dove Valley Worsbrough (Worsbrough CP)
bird	*Turdus pilaris*	Fieldfare	2004	River Dove Valley Worsbrough (Worsbrough CP)
bird	*Turdus pilaris*	Fieldfare	2004	Worsbrough Park (not Country Pk) Dove Valley Worsbrough
bird	*Turdus pilaris*	Fieldfare	2005	Barrow Colliery Barnsley
bird	*Turdus pilaris*	Fieldfare	2005	Stoney Royd, Stainborough
bird	*Turdus pilaris*	Fieldfare	2009	'BARNSLEY MBC'
bird	*Turdus pilaris*	Fieldfare	2010	'BARNSLEY MBC'
bird	*Tyto alba*	Barn Owl	2003	Barrow Colliery Barnsley
bird	*Tyto alba*	Barn Owl	2004	Barrow Colliery Barnsley
bird	*Tyto alba*	Barn Owl	2006	Barrow Colliery Barnsley
bird	*Tyto alba*	Barn Owl	2006	Platts Common
bird	*Tyto alba*	Barn Owl	2007	Barrow Colliery Barnsley
bird	*Tyto alba*	Barn Owl	2010	'BARNSLEY MBC'
bird	*Vanellus vanellus*	Lapwing	2003	Barrow Colliery Barnsley
bird	*Vanellus vanellus*	Lapwing	2003	Short Wood fields
bird	*Vanellus vanellus*	Lapwing	2004	Short Wood fields
bird	*Vanellus vanellus*	Lapwing	2004	Barrow Colliery Barnsley
bird	*Vanellus vanellus*	Lapwing	2004	Barrow Farm
bird	*Vanellus vanellus*	Northern Lapwing	2005	Short Wood fields
bird	*Vanellus vanellus*	Northern Lapwing	2007	Wilthorpe Marsh
bird	*Vanellus vanellus*	Lapwing	2007	Tankersley
bird	*Vanellus vanellus*	Lapwing	2009	Tankersley
bird	*Vanellus vanellus*	Lapwing	2009	'BARNSLEY MBC'
insect - butterfly	*Erynnis tages*	Dingy Skipper	2009	Barrow Colliery Barnsley
terrestrial mammal	*Nyctalus noctula*	Noctule	2004	Upper Hoyland
terrestrial mammal	*Pipistrellus pipistrellus*	Pipistrelle	2006	
terrestrial mammal	*Pipistrellus pipistrellus*	Pipistrelle	2008	Birdwell
terrestrial mammal	*Pipistrellus pipistrellus 45kHz*	45 Khz Pipistrelle	2004	'BARNSLEY MBC'