

Summary Sheet

Date	2-3/05/13
Grid Reference	SE421 059
Site Area	8.2 ha
Surveyor	Chris Doar, Wildscapes

Site Name	Site east of Park Spring Road, Little Houghton
Site Ref Number	N5

1 ASSESSMENT

Biodiversity interest (record presence by a cross as appropriate)

Habitat	Present	Notes & photo refs
Woodland	X	
Scrub	X	N5 1
Scattered trees	X	Mature Lime, Black Poplar and Horse Chestnut.
Species poor or defunct hedgerows		
Species rich hedgerows		
Amenity or improved grassland		
Semi-improved grassland	X	N5 2
Unimproved grassland		
Marshy grassland	X	
Tall ruderals		
Dwarf shrub heath		
Lichen/bryophyte heath		
Reedbed		
Swamp	X	N5 3
Standing water (ponds/ditches)	X	N5 3
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
Fish		X		
Other				

Influences on external features

On watercourse	No
On wildlife corridor	Site forms part of a clear habitat corridor running adjacent to its eastern boundary. Total loss of the site would adversely impact this corridor.
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.	This site forms part of a clear woodland corridor running adjacent to its eastern boundary. Total loss of the site would adversely impact this corridor. In order to mitigate for this, it is recommended that some northern and eastern parts of the site are excluded from any future development (see Figure 2).	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
N5 1	Semi-improved grassland with birch scrub
N5 2	View across centre of site.
N5 3	Ditch

4 FURTHER INFORMATION

Brief Site Description

A secondary site dominated by semi-improved grassland and scattered scrub, with small areas of standing water and broad-leaved woodland.

Additional comments / information

The value of this site for wildlife lies in the variety and extent of the habitats present, rather than specific species or features.

A large number of reptile profile tins were noted on site, suggesting that a reptile (or possibly a small mammal) survey was being carried out. This suggests that the site may be more important for these groups than suggested by this survey.

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.

Site Little Houghton Area

Sub-site N5

Site Area: 8.2 ha

OS Grid Ref: SE 421 059

Date Surveyed: 02- 03/05/2013

Surveyor: Chris Doar

Site Description

This is a secondary site, containing a number of habitat types including woodland, scrub, secondary woodland and swamp on what was once open cast land. It is bounded by an industrial complex to the north, woodland to the east, and roads to the south and west.

The majority of the site is vegetated by neutral semi-improved grassland and scrub. The grassland composition varies reflecting natural variations in underlying soil conditions. In general, the sward is dense and dominated by tussock or mat forming species such as False Oat-grass (*Arrhenatherum elatius*), Cocksfoot (*Dactylis glomerata*) and Yorkshire Fog (*Holcus lanatus*). Fine-leaved species such as Sweet Vernal-grass (*Anthoxanthum odoratum*) and Crested Dog's-tail (*Cynosaurus cristatus*) were also recorded. These are often indicative of older, unimproved grasslands but here are likely to derive from a seed mix sown when the land was reclaimed.

The percentage of herbs in the sward varies, being higher in areas where soil conditions are poorer. Creeping Thistle (*Cirsium arvense*), Red Clover (*Trifolium pratense*), Coltsfoot (*Tussilago farfara*), Yarrow (*Achillea millifolium*) and Bird's-foot Trefoil (*Lotus corniculatus*) are common across the site. Teasel (*Dipsacus fullonum*), Common Knapweed (*Centaurea nigra*) and Tansy (*Tanacetum vulgare*) were commoner to the north.

The site's scrub comprises a mixture of shrub and young tree species. Silver Birch (*Betula pendula*) and Hawthorn (*Crataegus monogyna*) are the dominant species, with Alder (*Alnus glutinosa*), Goat Willow (*Salix capraea*) and Bramble (*Rubus fruticosus*) also common. More unusual species include Scots Pine (*Pinus sylvestris*), Whitebeam (*Sorbus aria* agg.) and Common Osier (*Salix viminalis*). Many of the shrubs and trees are clearly planted, but these are interspersed with large areas of natural regeneration, particularly of Silver Birch. Consequently, the focus of scrub mapping across the site has been by extent rather than origin. Given its species-composition, the majority of this scrub will succeed to woodland over the course of the next 20 years.

The site's eastern boundary is fringed with secondary deciduous woodland. This again comprises a blend of formal planting and natural succession, resulting in a widely varying species composition. Of note are the small number of mature trees on site, in particular a row of Black Poplar (*Populus nigra* spp. *betulifolia*) and Lime (*Tilia* sp.) trees, several mature Oaks (*Quercus petraea*) and a splendid Horse Chestnut (*Aesculus hippocastanum*) adjacent to the bus stop.

The site has several wetland features, including an area of *Juncus* dominated marshy grassland where soil drainage is poor, a Bulrush (*Typha latifolia*) pond and several wet ditches. Of most ecological interest were the wet ditches. These were dominated by Common Reed (*Phragmites australis*) and Bulrush in places, with stands of Great Willowherb (*Epilobium hirsutum*) and Soft Rush (*Juncus effusus*) also common. Other wetland species including Marsh Bedstraw (*Galium palustre*), Brooklime (*Veronica beccabunga*) and Lesser Spearwort (*Ranunculus flammula*) were also recorded.

A large number of reptile profile tins were noted on site, suggesting that a reptile (or possibly a small mammal) survey was being carried out.



Photo N5 1 Semi-improved grassland with birch scrub



Photo N5 2 View across centre of site.



Photo N5 3 Ditch.

Species List for N5

DAFOR Scale

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

Semi-improved grassland w. Scattered Scrub

Trees and Shrubs

Alder	<i>Alnus glutinosa</i>	F
Birch	<i>Betula</i> sp.	LA
Hazel	<i>Corylus avellana</i>	O
Hawthorn	<i>Crataegus monogyna</i>	LA
Broom	<i>Cytisus scoparius</i>	R
Scots Pine	<i>Pinus sylvestris</i>	O
cf. Wild Cherry	<i>Prunus</i> cf. <i>avium</i>	O
Flowering Currant	<i>Ribes sanguineum</i>	R
Bramble	<i>Rubus fruticosus</i> agg.	F
Goat Willow	<i>Salix capraea</i>	F
Common Osier	<i>Salix viminalis</i>	R
Elder	<i>Sambucus nigra</i>	O
Whitebeam	<i>Sorbus aria</i> agg.	R

Herbs

Yarrow	<i>Achillea millefolium</i>	F
Cow Parsley	<i>Anthriscus sylvestris</i>	O
Mugwort	<i>Artemisia vulgaris</i>	O
Michaelmas-daisy	<i>Aster</i> sp.	R
Daisy	<i>Bellis perennis</i>	R
Wavy Bittercress	<i>Cardamine flexuosa</i>	R
Common Knapweed	<i>Centaurea nigra</i>	R
Rosebay Willowherb	<i>Chamerion angustifolium</i>	LF
Creeping Thistle	<i>Cirsium arvense</i>	F
Teasel	<i>Dipsacus fullonum</i>	O
Great Willowherb	<i>Epilobium hirsutum</i>	LF
Hogweed	<i>Heracleum sphondylium</i>	O
Meadow Vetchling	<i>Lathyrus pratensis</i>	O
Common Bird's-foot Trefoil	<i>Lotus corniculatus</i>	F
Lupin	<i>Lupinus</i> sp.	O
Daffodil	<i>Narcissus</i> sp.	R
Ribwort Plantain	<i>Plantago lanceolata</i>	A
Greater Plantain	<i>Plantago major</i>	R
Cowslip	<i>Primula veris</i>	R
Curled Dock	<i>Rumex crispus</i>	R
Broad-leaved Dock	<i>Rumex obtusifolius</i>	F
Common Ragwort	<i>Senecio jacobaea</i>	F
Tansy	<i>Tanacetum vulgare</i>	O
Dandelion	<i>Taraxacum</i> agg.	F
Red Clover	<i>Trifolium pratense</i>	F
Coltsfoot	<i>Tussilago farfara</i>	F
Vetch	<i>Vicia</i> sp.	LF

Grasses, sedges and rushes

Common Bent	<i>Agrostis capillaris</i>	O
Creeping Bent	<i>Agrostis stolonifera</i>	O
Sweet Vernal-grass	<i>Anthoxanthum odoratum</i>	LF
False Oat-grass	<i>Arrhenatherum elatius</i>	A
Pampas-grass	<i>Cortaderia sellona</i>	R
Crested Dog's-tail	<i>Cynosaurus cristatus</i>	LF
Cock's-foot	<i>Dactylis glomerata</i>	A
Tufted Hair-grass	<i>Deschampsia cespitosa</i>	F
Common Couch	<i>Elytrigia repens</i>	F
Red Fescue	<i>Festuca rubra</i>	LF
Yorkshire Fog	<i>Holcus lanatus</i>	A
Compact Rush	<i>Juncus conglomeratus</i>	O
Soft Rush	<i>Juncus effusus</i>	LF
Perennial Rye-grass	<i>Lolium perenne</i>	LF
Field Wood-rush	<i>Luzula campestris</i>	O

Secondary Woodland**Trees and Shrubs**

Field Maple	<i>Acer campestre</i>	O
Alder	<i>Alnus glutinosa</i>	O
Horse Chestnut	<i>Aesculus hippocastanum</i>	R
Silver Birch	<i>Betula pendula</i>	F
Cotoneaster	<i>Cotoneaster</i> sp.	R
Hawthorn	<i>Crataegus monogyna</i>	F
Ash	<i>Fraxinus excelsior</i>	O
Honeysuckle	<i>Lonicera</i> sp.	O
	<i>Populus nigra</i> spp.	
Black Poplar	<i>betulifolia</i>	LCD
Cherry	<i>Prunus</i> sp.	O
Oak	<i>Quercus ×rosacea</i>	O
Dog Rose	<i>Rosa canina</i>	O
Bramble	<i>Rubus fruticosus</i> agg.	F
Rowan	<i>Sorbus aucuparia</i>	O
Lime	<i>Tilia</i> sp.	LCD
Periwinkle	<i>Vinca</i> sp.	O

Herbs

Yarrow	<i>Achillea millefolium</i>	F
Spear Thistle	<i>Cirsium vulgare</i>	F
Hawkbit	<i>Leontodon</i> sp.	F
Red Campion	<i>Silene dioica</i>	R
White Clover	<i>Trifolium repens</i>	LF

Grasses, sedges and rushes

Yorkshire Fog	<i>Holcus lanatus</i>	F
Meadow-grasses	<i>Poa</i> spp.	F

Wet Ditches**Herbs**

Creeping Thistle	<i>Cirsium arvense</i>	O
Great Willowherb	<i>Epilobium hirsutum</i>	LD
Marsh Bedstraw	<i>Galium palustre</i>	R

Lesser Spearwort	<i>Ranunculus flammula</i>	R
Broad-leaved Dock	<i>Rumex obtusifolius</i>	O
Dandelion	<i>Taraxacum</i> agg.	O
Red Clover	<i>Trifolium pratense</i>	R
Coltsfoot	<i>Tussilago farfara</i>	LF
Brooklime	<i>Veronica beccabunga</i>	LD

Grasses, sedges and rushes

Glaucous Sedge	<i>Carex flacca</i>	O
Red Fescue	<i>Festuca rubra</i>	O
Soft Rush	<i>Juncus effusus</i>	LF
Hard Rush	<i>Juncus inflexus</i>	F
Common Reed	<i>Phragmites australis</i>	LD
Bulrush	<i>Typha latifolia</i>	LD

Horsetails

Horsetail	<i>Equisetum</i> sp.	R
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Figure 1. Phase 1 Habitat Map: May 2013
Site N5

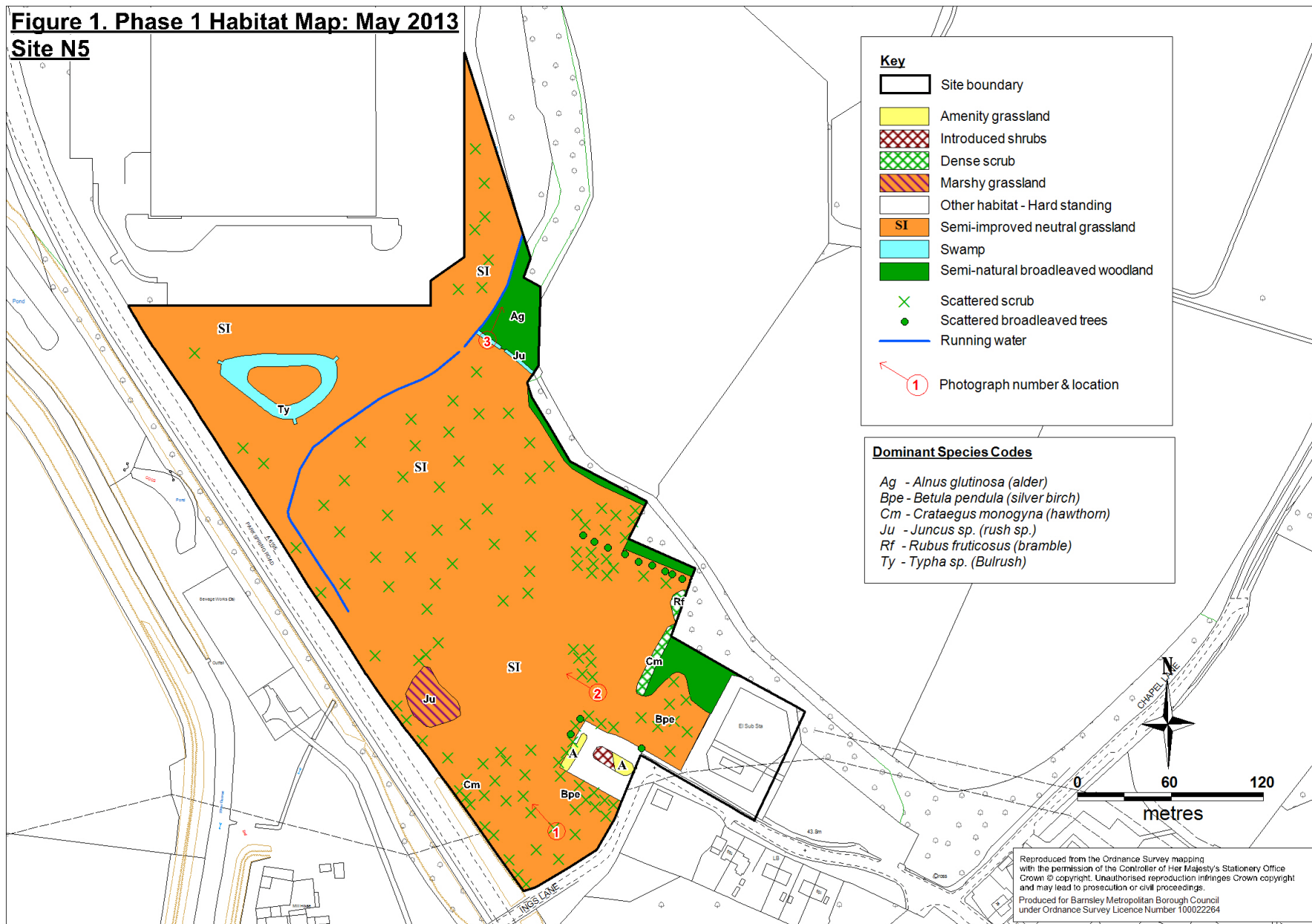
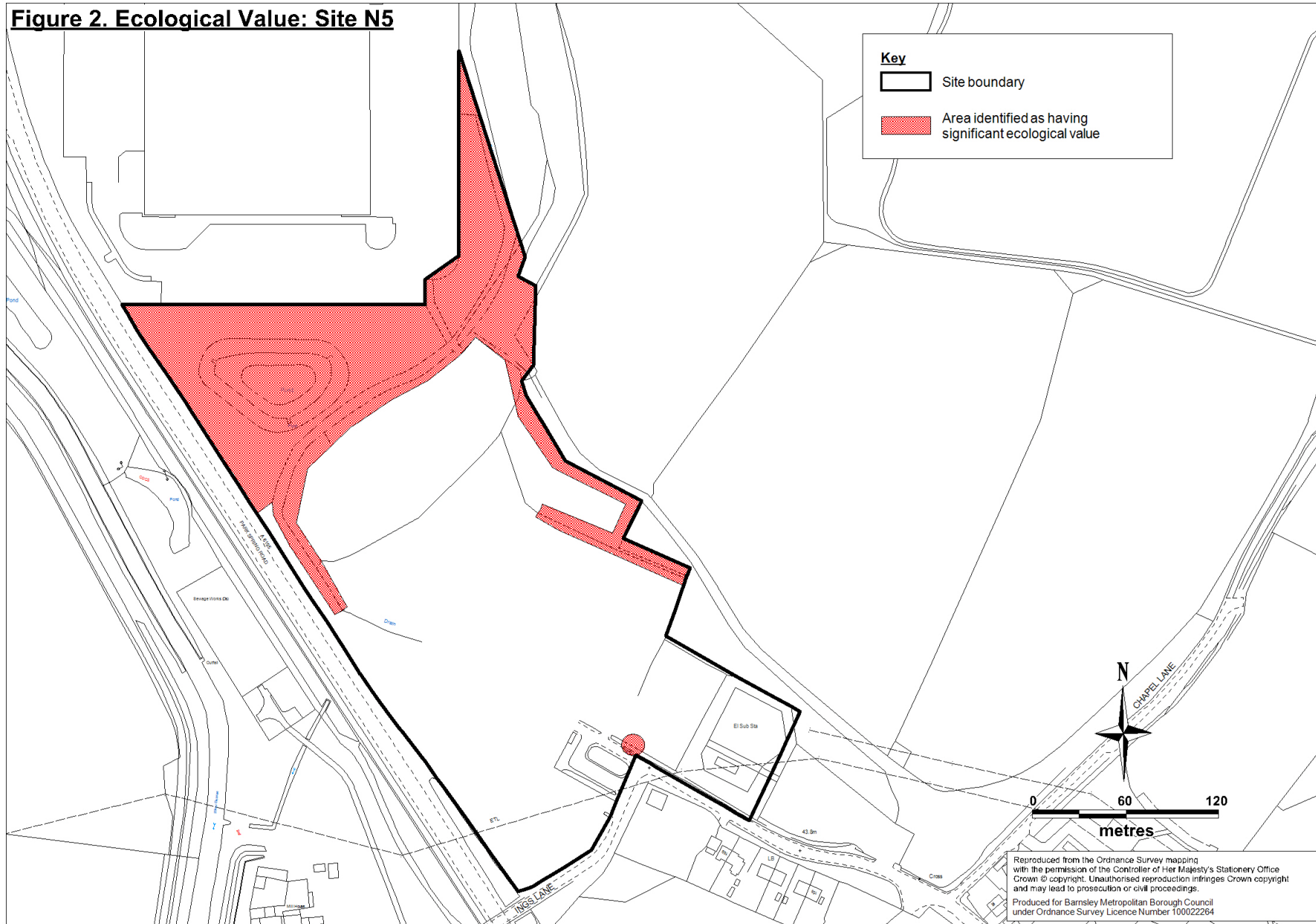


Figure 2. Ecological Value: Site N5



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	2010	Houghton pond 1
amphibian	<i>Bufo bufo</i>	Common Toad	2012	'BARNSELEY MBC'
amphibian	<i>Rana temporaria</i>	Common Frog	2010	Houghton pond 4
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2010	Houghton pond 5
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2010	Houghton pond 1
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2010	Houghton pond 2
amphibian	<i>Triturus vulgaris</i>	Smooth Newt	2010	Houghton pond 3
bird	<i>Alauda arvensis</i>	Sky Lark	2004	Edderthorpe Ings
bird	<i>Alauda arvensis</i>	Skylark	2005	Edderthorpe Ings
bird	<i>Alauda arvensis</i>	Skylark	2005	Broomhill Flash & Wombwell Ings LWS
bird	<i>Alauda arvensis</i>	Skylark	2007	Old Moor & Wath Ings LWS
bird	<i>Alauda arvensis</i>	Skylark	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Alauda arvensis</i>	Skylark	2009	Old Moor & Wath Ings LWS
bird	<i>Alauda arvensis</i>	Skylark	2011	Old Moor & Wath Ings LWS
bird	<i>Alauda arvensis</i>	Skylark	2013	Darfield
bird	<i>Alcedo atthis</i>	Kingfisher	2005	Broomhill Flash & Wombwell Ings LWS
bird	<i>Alcedo atthis</i>	Kingfisher	2007	River Dearne Valley wetlands, Dearne/Wombwell
bird	<i>Alcedo atthis</i>	Kingfisher	2007	Old Moor & Wath Ings LWS
bird	<i>Alcedo atthis</i>	Kingfisher	2009	Old Moor & Wath Ings LWS
bird	<i>Anas acuta</i>	Pintail	2007	Old Moor & Wath Ings LWS
bird	<i>Anas acuta</i>	Pintail	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anas acuta</i>	Pintail	2009	Old Moor & Wath Ings LWS
bird	<i>Anas acuta</i>	Pintail	2011	Old Moor & Wath Ings LWS
bird	<i>Anas clypeata</i>	Northern Shoveler	2004	Edderthorpe Ings
bird	<i>Anas clypeata</i>	Northern Shoveler	2005	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anas clypeata</i>	Shoveler	2007	Old Moor & Wath Ings LWS
bird	<i>Anas clypeata</i>	Shoveler	2007	Broomhill Flash
bird	<i>Anas clypeata</i>	Shoveler	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe

bird	<i>Anas clypeata</i>	Shoveler	2009	Old Moor & Wath Ings LWS
bird	<i>Anas clypeata</i>	Shoveler	2009	Edderthorpe Ings
bird	<i>Anas clypeata</i>	Shoveler	2011	Old Moor & Wath Ings LWS
bird	<i>Anas clypeata</i>	Shoveler	2011	Edderthorpe Ings
bird	<i>Anas clypeata</i>	Shoveler	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anas querquedula</i>	Garganey	2005	Broomhill Flash & Wombwell Ings LWS
bird	<i>Anas querquedula</i>	Garganey	2007	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anas querquedula</i>	Garganey	2007	Old Moor & Wath Ings LWS
bird	<i>Anas querquedula</i>	Garganey	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anas querquedula</i>	Garganey	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anas querquedula</i>	Garganey	2011	Old Moor & Wath Ings LWS
bird	<i>Anas strepera</i>	Gadwall	2004	Edderthorpe Ings
bird	<i>Anas strepera</i>	Gadwall	2005	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anas strepera</i>	Gadwall	2006	Broomhill Flash
bird	<i>Anas strepera</i>	Gadwall	2007	Old Moor & Wath Ings LWS
bird	<i>Anas strepera</i>	Gadwall	2007	Broomhill Flash
bird	<i>Anas strepera</i>	Gadwall	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anas strepera</i>	Gadwall	2009	Old Moor & Wath Ings LWS
bird	<i>Anas strepera</i>	Gadwall	2009	Edderthorpe Ings
bird	<i>Anas strepera</i>	Gadwall	2010	Old Moor & Wath Ings LWS
bird	<i>Anas strepera</i>	Gadwall	2011	Old Moor & Wath Ings LWS
bird	<i>Anas strepera</i>	Gadwall	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anser anser</i>	Greylag Goose	2007	Old Moor & Wath Ings LWS
bird	<i>Anser anser</i>	Greylag Goose	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Anser anser</i>	Greylag Goose	2009	Old Moor & Wath Ings LWS
bird	<i>Anser anser</i>	Greylag Goose	2009	Edderthorpe Ings
bird	<i>Anser anser</i>	Greylag Goose	2011	Old Moor & Wath Ings LWS
bird	<i>Anser anser</i>	Greylag Goose	2012	Little Houghton Ings
bird	<i>Botaurus stellaris</i>	Bittern	2009	Old Moor & Wath Ings LWS
bird	<i>Bucephala clangula</i>	Goldeneye	2007	Old Moor & Wath Ings LWS
bird	<i>Bucephala clangula</i>	Goldeneye	2009	Old Moor & Wath Ings LWS
bird	<i>Bucephala clangula</i>	Goldeneye	2011	Old Moor & Wath Ings LWS

bird	<i>Calidris maritima</i>	Purple Sandpiper	2007	Old Moor & Wath Ings LWS
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2005	Edderthorpe Ings
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2005	Broomhill Flash & Wombwell Ings LWS
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2007	Broomhill Flash
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2007	Old Moor & Wath Ings LWS
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2007	Ferry Moor wader scrape
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2009	Old Moor & Wath Ings LWS
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2010	Little Houghton Ings
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2011	Old Moor & Wath Ings LWS
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Charadrius dubius</i>	Little Ringed Plover	2012	Little Houghton Ings
bird	<i>Chlidonias niger</i>	Black Tern	2007	Old Moor & Wath Ings LWS
bird	<i>Chlidonias niger</i>	Black Tern	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Coturnix coturnix</i>	Quail	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Cygnus cygnus</i>	Whooper Swan	2007	Old Moor & Wath Ings LWS
bird	<i>Cygnus cygnus</i>	Whooper Swan	2010	Old Moor & Wath Ings LWS
bird	<i>Cygnus cygnus</i>	Whooper Swan	2010	Edderthorpe Ings
bird	<i>Cygnus olor</i>	Mute Swan	2004	Edderthorpe Ings
bird	<i>Cygnus olor</i>	Mute Swan	2005	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Cygnus olor</i>	Mute Swan	2007	Old Moor & Wath Ings LWS
bird	<i>Cygnus olor</i>	Mute Swan	2007	Broomhill Flash
bird	<i>Cygnus olor</i>	Mute Swan	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Cygnus olor</i>	Mute Swan	2009	Old Moor & Wath Ings LWS
bird	<i>Cygnus olor</i>	Mute Swan	2009	Edderthorpe Ings
bird	<i>Cygnus olor</i>	Mute Swan	2010	Old Moor & Wath Ings LWS
bird	<i>Cygnus olor</i>	Mute Swan	2011	Brampton
bird	<i>Cygnus olor</i>	Mute Swan	2011	Old Moor & Wath Ings LWS
bird	<i>Cygnus olor</i>	Mute Swan	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Cygnus olor</i>	Mute Swan	2011	Wath Ings
bird	<i>Falco peregrinus</i>	Peregrine	2007	Old Moor & Wath Ings LWS
bird	<i>Falco peregrinus</i>	Peregrine	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe

bird	<i>Falco peregrinus</i>	Peregrine	2009	Old Moor & Wath Ings LWS
bird	<i>Falco subbuteo</i>	Hobby	2007	Old Moor & Wath Ings LWS
bird	<i>Falco subbuteo</i>	Hobby	2007	Broomhill Flash & Wombwell Ings LWS
bird	<i>Falco subbuteo</i>	Hobby	2010	Adwick Washlands
bird	<i>Falco tinnunculus</i>	Kestrel	2007	Broomhill Flash
bird	<i>Falco tinnunculus</i>	Kestrel	2007	Old Moor & Wath Ings LWS
bird	<i>Falco tinnunculus</i>	Kestrel	2009	Old Moor & Wath Ings LWS
bird	<i>Falco tinnunculus</i>	Kestrel	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Falco tinnunculus</i>	Kestrel	2010	Broomhill Flash
bird	<i>Falco tinnunculus</i>	Kestrel	2011	Old Moor & Wath Ings LWS
bird	<i>Falco tinnunculus</i>	Kestrel	2011	Wath Ings
bird	<i>Fringilla montifringilla</i>	Brambling	2009	Old Moor & Wath Ings LWS
bird	<i>Fringilla montifringilla</i>	Brambling	2010	Old Moor & Wath Ings LWS
bird	<i>Fringilla montifringilla</i>	Brambling	2011	Old Moor & Wath Ings LWS
bird	<i>Gallinago gallinago</i>	Snipe	2006	Broomhill Flash
bird	<i>Gallinago gallinago</i>	Snipe	2007	River Dearne Valley wetlands, Dearne/Wombwell
bird	<i>Gallinago gallinago</i>	Snipe	2007	Old Moor & Wath Ings LWS
bird	<i>Gallinago gallinago</i>	Snipe	2007	Broomhill Flash
bird	<i>Gallinago gallinago</i>	Snipe	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Gallinago gallinago</i>	Snipe	2009	Old Moor & Wath Ings LWS
bird	<i>Gallinago gallinago</i>	Snipe	2011	Old Moor & Wath Ings LWS
bird	<i>Gallinago gallinago</i>	Snipe	2012	Little Houghton Ings
bird	<i>Lanius collurio</i>	Red-Backed Shrike	2010	Broomhill Flash
bird	<i>Larus melanocephalus</i>	Mediterranean Gull	2009	Old Moor & Wath Ings LWS
bird	<i>Larus melanocephalus</i>	Mediterranean Gull	2011	Old Moor & Wath Ings LWS
bird	<i>Larus ridibundus</i>	Black-Headed Gull	2006	Broomhill Flash
bird	<i>Larus ridibundus</i>	Black-headed Gull	2007	Old Moor & Wath Ings LWS
bird	<i>Larus ridibundus</i>	Black-Headed Gull	2007	Broomhill Flash
bird	<i>Larus ridibundus</i>	Black-Headed Gull	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Larus ridibundus</i>	Black-Headed Gull	2009	Old Moor & Wath Ings LWS
bird	<i>Larus ridibundus</i>	Black-Headed Gull	2011	Brampton
bird	<i>Larus ridibundus</i>	Black-Headed Gull	2011	Old Moor & Wath Ings LWS

bird	<i>Larus ridibundus</i>	Black-Headed Gull	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Larus ridibundus</i>	Black-Headed Gull	2011	Wath Ings
bird	<i>Larus ridibundus</i>	Black-Headed Gull	2013	Little Houghton
bird	<i>Limosa limosa</i>	Black-tailed Godwit	2007	Old Moor & Wath Ings LWS
bird	<i>Limosa limosa</i>	Black-Tailed Godwit	2007	Edderthorpe Ings
bird	<i>Limosa limosa</i>	Black-Tailed Godwit	2007	Broomhill Flash & Wombwell Ings LWS
bird	<i>Limosa limosa</i>	Black-Tailed Godwit	2009	Old Moor & Wath Ings LWS
bird	<i>Limosa limosa</i>	Black-Tailed Godwit	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Limosa limosa</i>	Black-Tailed Godwit	2010	Adwick Washlands
bird	<i>Limosa limosa</i>	Black-Tailed Godwit	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Numenius phaeopus</i>	Whimbrel	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Passer montanus</i>	Tree Sparrow	2005	Broomhill Flash & Wombwell Ings LWS
bird	<i>Passer montanus</i>	Tree Sparrow	2007	Broomhill Flash
bird	<i>Passer montanus</i>	Tree Sparrow	2007	Old Moor & Wath Ings LWS
bird	<i>Passer montanus</i>	Tree Sparrow	2009	Old Moor & Wath Ings LWS
bird	<i>Passer montanus</i>	Tree Sparrow	2010	'BARNSELEY MBC'
bird	<i>Passer montanus</i>	Eurasian Tree Sparrow	2010	Old Moor & Wath Ings LWS
bird	<i>Passer montanus</i>	Tree Sparrow	2011	Old Moor & Wath Ings LWS
bird	<i>Perdix perdix</i>	Grey Partridge	2005	Broomhill Flash & Wombwell Ings LWS
bird	<i>Perdix perdix</i>	Grey Partridge	2007	Old Moor & Wath Ings LWS
bird	<i>Perdix perdix</i>	Grey Partridge	2009	Old Moor & Wath Ings LWS
bird	<i>Perdix perdix</i>	Grey Partridge	2010	Adwick Washlands
bird	<i>Perdix perdix</i>	Grey Partridge	2011	Old Moor & Wath Ings LWS
bird	<i>Perdix perdix</i>	Grey Partridge	2012	Little Houghton Ings
bird	<i>Perdix perdix</i>	Grey Partridge	2012	Broomhill Flash
bird	<i>Perdix perdix</i>	Grey Partridge	2013	Great Houghton
bird	<i>Phalacrocorax carbo</i>	Great Cormorant	2005	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Phalacrocorax carbo</i>	Cormorant	2007	Old Moor & Wath Ings LWS
bird	<i>Phalacrocorax carbo</i>	Cormorant	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Phalacrocorax carbo</i>	Cormorant	2009	Old Moor & Wath Ings LWS
bird	<i>Phalacrocorax carbo</i>	Cormorant	2009	Edderthorpe Ings
bird	<i>Phalacrocorax carbo</i>	Great Cormorant	2010	Old Moor & Wath Ings LWS

bird	<i>Phalacrocorax carbo</i>	Cormorant	2011	Old Moor & Wath Ings LWS
bird	<i>Phalacrocorax carbo</i>	Cormorant	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Phalacrocorax carbo</i>	Cormorant	2012	Edderthorpe Ings
bird	<i>Philomachus pugnax</i>	Ruff	2007	Old Moor & Wath Ings LWS
bird	<i>Philomachus pugnax</i>	Ruff	2009	Old Moor & Wath Ings LWS
bird	<i>Philomachus pugnax</i>	Ruff	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Philomachus pugnax</i>	Ruff	2011	Old Moor & Wath Ings LWS
bird	<i>Platalea leucorodia</i>	Spoonbill	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Platalea leucorodia</i>	Spoonbill	2009	Old Moor & Wath Ings LWS
bird	<i>Podiceps nigricollis</i>	Black-necked Grebe	2007	Old Moor & Wath Ings LWS
bird	<i>Podiceps nigricollis</i>	Black-Necked Grebe	2011	Old Moor & Wath Ings LWS
bird	<i>Porzana porzana</i>	Spotted Crake	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Rallus aquaticus</i>	Water Rail	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Rallus aquaticus</i>	Water Rail	2009	Old Moor & Wath Ings LWS
bird	<i>Recurvirostra avosetta</i>	Avocet	2005	Edderthorpe Ings
bird	<i>Recurvirostra avosetta</i>	Avocet	2009	Old Moor & Wath Ings LWS
bird	<i>Recurvirostra avosetta</i>	Avocet	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Recurvirostra avosetta</i>	Avocet	2011	Edderthorpe Ings
bird	<i>Recurvirostra avosetta</i>	Avocet	2011	Old Moor & Wath Ings LWS
bird	<i>Regulus ignicapilla</i>	Firecrest	2007	River Dearne Valley wetlands, Dearne/Wombwell
bird	<i>Tringa glareola</i>	Wood Sandpiper	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Tringa glareola</i>	Wood Sandpiper	2011	Edderthorpe Ings
bird	<i>Tringa glareola</i>	Wood Sandpiper	2011	Old Moor & Wath Ings LWS
bird	<i>Tringa nebularia</i>	Greenshank	2007	Old Moor & Wath Ings LWS
bird	<i>Tringa nebularia</i>	Greenshank	2009	Old Moor & Wath Ings LWS
bird	<i>Tringa nebularia</i>	Greenshank	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Tringa nebularia</i>	Greenshank	2011	Edderthorpe Ings
bird	<i>Tringa nebularia</i>	Greenshank	2011	Old Moor & Wath Ings LWS
bird	<i>Tringa ochropus</i>	Green Sandpiper	2007	River Dearne Valley wetlands, Dearne/Wombwell
bird	<i>Tringa ochropus</i>	Green Sandpiper	2007	Old Moor & Wath Ings LWS
bird	<i>Tringa ochropus</i>	Green Sandpiper	2009	Old Moor & Wath Ings LWS
bird	<i>Tringa ochropus</i>	Green Sandpiper	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe

bird	<i>Tringa ochropus</i>	Green Sandpiper	2010	Little Houghton Ings
bird	<i>Tringa ochropus</i>	Green Sandpiper	2011	Old Moor & Wath Ings LWS
bird	<i>Tringa ochropus</i>	Green Sandpiper	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Tringa totanus</i>	Common Redshank	2004	Edderthorpe Ings
bird	<i>Tringa totanus</i>	Redshank	2006	Broomhill Flash
bird	<i>Tringa totanus</i>	Common Redshank	2007	River Dearne Valley wetlands, Dearne/Wombwell
bird	<i>Tringa totanus</i>	Common Redshank	2007	Old Moor & Wath Ings LWS
bird	<i>Tringa totanus</i>	Redshank	2007	Broomhill Flash
bird	<i>Tringa totanus</i>	Redshank	2007	Broomhill Flash & Wombwell Ings LWS
bird	<i>Tringa totanus</i>	Redshank	2007	Edderthorpe Ings
bird	<i>Tringa totanus</i>	Redshank	2009	Old Moor & Wath Ings LWS
bird	<i>Tringa totanus</i>	Redshank	2009	Edderthorpe Ings
bird	<i>Tringa totanus</i>	Redshank	2010	Little Houghton Ings
bird	<i>Tringa totanus</i>	Common Redshank	2010	Old Moor & Wath Ings LWS
bird	<i>Tringa totanus</i>	Redshank	2011	Old Moor & Wath Ings LWS
bird	<i>Tringa totanus</i>	Redshank	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Turdus iliacus</i>	Redwing	2007	Old Moor & Wath Ings LWS
bird	<i>Turdus iliacus</i>	Redwing	2009	Old Moor & Wath Ings LWS
bird	<i>Turdus iliacus</i>	Redwing	2011	Old Moor & Wath Ings LWS
bird	<i>Turdus pilaris</i>	Fieldfare	2007	Old Moor & Wath Ings LWS
bird	<i>Turdus pilaris</i>	Fieldfare	2009	Old Moor & Wath Ings LWS
bird	<i>Tyto alba</i>	Barn Owl	2005	Broomhill Flash & Wombwell Ings LWS
bird	<i>Tyto alba</i>	Barn Owl	2007	Broomhill Flash
bird	<i>Tyto alba</i>	Barn Owl	2009	Old Moor & Wath Ings LWS
bird	<i>Tyto alba</i>	Barn Owl	2010	Broomhill Flash
bird	<i>Vanellus vanellus</i>	Northern Lapwing	2004	Edderthorpe Ings
bird	<i>Vanellus vanellus</i>	Lapwing	2005	Broomhill Flash & Wombwell Ings LWS
bird	<i>Vanellus vanellus</i>	Lapwing	2006	Broomhill Flash
bird	<i>Vanellus vanellus</i>	Northern Lapwing	2006	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Vanellus vanellus</i>	Lapwing	2007	Broomhill Flash
bird	<i>Vanellus vanellus</i>	Lapwing	2007	Old Moor & Wath Ings LWS
bird	<i>Vanellus vanellus</i>	Lapwing	2009	Old Moor & Wath Ings LWS

bird	<i>Vanellus vanellus</i>	Northern Lapwing	2009	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Vanellus vanellus</i>	Lapwing	2010	Little Houghton Ings
bird	<i>Vanellus vanellus</i>	Lapwing	2010	Adwick Washlands
bird	<i>Vanellus vanellus</i>	Northern Lapwing	2010	Old Moor & Wath Ings LWS
bird	<i>Vanellus vanellus</i>	Lapwing	2011	Old Moor & Wath Ings LWS
bird	<i>Vanellus vanellus</i>	Lapwing	2011	Edderthorpe Ings, between Little Houghton & Grimethorpe
bird	<i>Vanellus vanellus</i>	Lapwing	2011	Edderthorpe Ings
bird	<i>Vanellus vanellus</i>	Lapwing	2013	Little Houghton
terrestrial mammal	<i>Arvicola amphibius</i>	Water Vole	2009	Darfield