

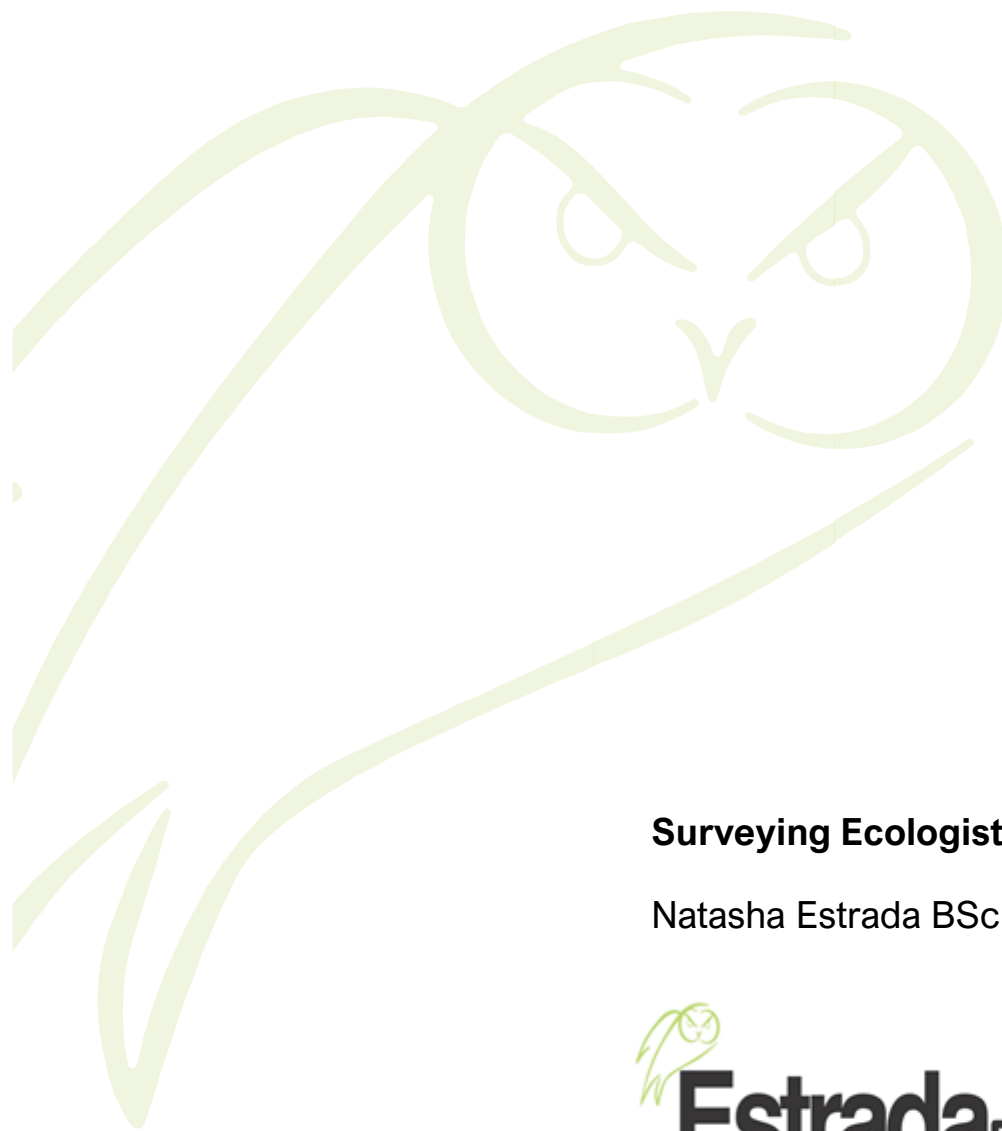
Preliminary Ecological Appraisal (PEA) Survey Report

For: Everill Gate Properties Ltd

Site
Everill Gate Lane
Cortonwood
Dearne Valley
Barnsley

Report Date: 4 September 2018

Report Reference: EVERILL.12.7.2018



Surveying Ecologist:

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Client:	Everill Gate Properties Ltd
Site Name:	Everill Gate Lane, Cortonwood, Dearne Valley, Barnsley
Grid Reference:	SE 4112 0256
Report:	Preliminary Ecological Appraisal
Date of survey:	24 July 2018
Surveyed by:	Natasha Estrada BSc (Hons), MRes, MCIEEM

Issue:	Revision:	Stage:	Date:	Prepared by:	Approved by:
1	-	Draft for review	15 August 2018	Natasha Chinn, Estrada Ecology Ltd	Natasha Estrada MCIEEM, Estrada Ecology Ltd
2	n/a	FINAL	4 September 2018	Jane Gruber, Estrada Ecology Ltd	Natasha Estrada MCIEEM, Estrada Ecology Ltd

Summary

The survey site, Everill Gate Lane, Cortonwood (central grid reference SE 4112 0256), is located to the east of the suburb of Wombwell, Barnsley. The survey site comprises approximately 3.59 hectares, and is dominated by tall ruderal communities, with small areas of scattered scrub, bracken and bare ground. Areas of rock exposure and waste occur infrequently colonised in parts by common ephemeral/ short perennial species on the southern and eastern elevations of the site.

The site is bordered on all elevations by fencing with a wall forming part of the southern boundary. Species-rich hedgerows are present beyond.

Findings

The site is considered currently to have limited ecological value for flora. Species recorded during the survey were common and uniform in distribution.

Species-rich hedgerows, present immediately outside boundary fencing, are believed to be outside the site curtilage and thus outside the scope of the proposals.

Fauna

No water bodies exist within the site boundary, and none were recorded to feed into the site. No impacts are predicted in respect of riparian and aquatic species. Two ponds were recorded outside the site boundary to the east and north east. One being separated from the survey site by a minor road network and industrial areas likely to act as a barrier to dispersal for amphibians, the second separated via a disused railway line now used as a cycle route. The site is deemed hostile for amphibians as evidence herein as no impacts are predicted.

No field sign evidence to suggest the use of the site by badger was recorded throughout the survey, and no impacts are predicted.

No buildings were recorded within the site boundary. Trees within the site boundary were recorded as immature with negligible roost suitability for bats. Mature scattered trees and hedgerows outside the site boundary provide suitable foraging grounds and commuting routes for bats within the locality.

Reptile records were returned for Everill Gate Lane and the site recorded optimum conditions for use by reptiles. It is recommended that further surveys to ascertain the presence / absence of reptile use are conducted following best practice guidance.

Conclusions

In line with current legislation and best practice guidance, it is deemed that further surveys are required to ascertain any potential impacts of the proposals on reptiles.

A lighting strategy should be employed to limit artificial light overspill onto hedgerows and scattered trees outside the immediate site boundary.

Contents:

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Whilst every effort has been taken to ensure the accuracy of this report and its contents in view of potential ecological constraints to development or the likely presence or absence of species it must only be viewed as a snap shot in time and therefore not be viewed as definitive. Due to external factors, such as seasonality, weather etc. having the potential to affect survey results no liability can be assumed for omissions or changes that may or may not occur after the date this report was produced.

1 Introduction and Background to the Site

- 1.1 Estrada Ecology Ltd was commissioned by Everill Gate Properties Ltd to conduct a preliminary ecological appraisal (PEA) of land off Everill Gate Lane, Cortonwood, to inform the re-development of the site.
- 1.2 The site is dominated by tall ruderal communities, with small areas of scattered scrub and bracken. Areas of bare ground and rock exposures / waste occur frequently where in parts ephemeral/ short perennial communities have colonised. The site is bordered on all elevations by fencing, some in a poor condition. Immediately outside the boundary fencing are mature, species-rich hedgerows and scattered trees.
- 1.3 The site is located approximately 1.5 km south of Darfield, Barnsley. The survey site crosses two local authority boundaries; those being Rotherham and Barnsley.

1.4 Report objectives

- Present the findings of the ecological survey
- Assess the potential of existing on-site habitats to support protected or notable species
- Evaluate any likely ecological impacts on protected and notable species or habitats because of the proposed development
- Provide recommendations for any further species-specific survey and mitigation measures that may be required
- Provide habitat enhancement recommendations in line with the National Planning Policy Framework (NPPF, 2012).

1.5 Location of the site

- 1.5.1 The survey site's central OS grid reference is SE 4112 0256.

1.6 Site description

- 1.6.1 The survey site is approximately 3.59 hectares in size and, historically, it is believed to have been a light industrial site.
- 1.6.2 The site is dominated by tall ruderal communities which cover the centre of the site and run parallel to the southern, northern and eastern site boundaries. Small areas of species-poor, semi-improved grassland were recorded present between areas of tall ruderals.

- 1.6.3 Scattered scrub dominated by bramble (*Rubus fruticosus*) occurs occasionally and is predominantly located on the eastern boundary, adjacent to small areas dominated by bracken.
- 1.6.4 Bare ground and areas of rock exposures / waste are present throughout the site, believed to be a remnant of site clearance works.
- 1.6.5 The site is bordered on the southern and western elevation by the busy A633 Valley Way. Outside the northern boundary is Everill Gate Lane, with a disused railway line running outside the eastern boundary,
- 1.6.6 Land use within the immediate area is light industrial.

Figure 1: The survey site at Everill Gate Lane, Cortonwood.



2 Protected Species Legislation

- 2.1 Relevant legislation includes the Birds Directive (79/409/EEC) and the Wildlife and Countryside Act 1981 (as amended), which states that all birds, their nests and eggs are protected by law. Special considerations of Schedule 1 Birds and European Protected Species should be made.
- 2.2 The EC Council Directive on the Conservation of Natural Habitats of Wild Flora and Fauna, 1992 (The 'Habitats Directive') requires the UK to maintain

and/or restore naturally occurring habitats, especially those which are deemed to be vulnerable and declining in Europe. It also requires the protection of many species of plants and animals which are similarly threatened and declining throughout their European range, therefore giving effect to both site and species protection objectives. Appendix One lists habitats, and Appendix Two lists species, some of which the UK has responsibility to maintain in favourable conservation status.

- 2.3 The Natural Environment and Rural Communities (NERC) Act came into force on 1 Oct 2006. Section 41 (S41) of the Act requires the Secretary of State to publish a list of habitats and species which are of principal importance for the conservation of biodiversity in England. The list has been drawn up in consultation with Natural England, as required by the Act. The S41 list is used to guide decision-makers such as public bodies, including local and regional authorities, in implementing their duty under section 40 of the Natural Environment and Rural Communities Act 2006, to have regard to the conservation of biodiversity in England, when carrying out their normal functions.
- 2.4 The UK Post-2010 Biodiversity Framework was developed in response to the Convention on Biological Diversity's Strategic Plan for Biodiversity 2011 – 2020. Its five strategic goals and twenty biodiversity targets supersede the UK Biodiversity Action Plan.

3 Survey Methodology

3.1 Desktop survey

- 3.1.1 A biological data records search was requested from Barnsley Biological Records Centre (BBRC) and Rotherham Biological Records Centre (RBRC), for a 1km radius from the site.
- 3.1.2 Further inspection, using colour 1:25,000 OS base maps (www.ordnancesurvey.co.uk), Magic Map (www.magic.defra.gov.uk) and aerial photographs from Google Earth (www.maps.google.co.uk), was also undertaken to provide additional context and identify any features of potential importance for nature conservation in the wider countryside.

3.2 Field Survey

- 3.2.1 The survey area was investigated on foot to ascertain habitats on site and the potential of those habitats to support ecological diversity. The vegetation types present within the site were assessed by experienced ecologist; Natasha Estrada BSc (Hons), MRes, MCIEEM, using methodology

based on that described in the Handbook for Phase 1 Habitat Survey – a Technique for Environmental Audit (Nature Conservancy Council, 1990.). The results of the survey are presented in Appendix Two.

3.2.2 Habitats and features with potential to support protected and / or conservation priority faunal species, together with any field signs of such species were recorded on the field map using target notes. A search was undertaken for the following key habitats and / or field signs for protected or conservation priority species highlighted in Table 1.

Table 1: Key habitats and field signs of protected and priority species

Taxon	Indicative habitats	Field signs
Bats	Roosts – Trees, buildings, bridges caves etc. Foraging areas – e.g. parkland, water bodies and streams, wetlands, woodland edge, hedgerow Commuting routes – linear features (eg hedgerows).	In or on potential roost sites: Droppings stuck to walls; urine spotting in roof spaces; oil from fur staining around roost entrances; feeding remains (e.g. moth wings).
Great crested newt	Ponds within 500m of suitable habitat within the site boundary. Suitable (terrestrial) habitat includes rough grassland, scrub and woodland, log and rubble piles and other debris, animal burrows.	Eggs, Individuals of all life stages. Egg rolled plants.
Reptiles	Rough grassland, log and rubble piles, compost heaps.	Sloughed skins; eggs, individuals.
Birds	Trees, scrub, hedgerow, field margins, grassland.	Nests; droppings below nest sites (especially in buildings of trees); tree holes.
Badger	Found in most rural and many urban habitats.	Excavations and tracks: sett entrances, latrines, hairs, well-worn paths; prints; snuffle holes.
Water vole	Water bodies / water courses.	Burrow entrances; prints; latrine areas; faeces; feeding stations.
BAP invertebrates	Each butterfly species has its own habitat requirements determined by the food plant of the caterpillar, the nectar source for the adult butterfly and the conditions needed for the caterpillar to survive and then pupate successfully.	Eggs, larva, Pupa, adult butterfly. Habitat type and presence of food plants.

3.3 Timing

3.3.1 The survey was conducted during late July 2018.

3.4 Weather conditions

3.4.1 The survey was carried out in suitable weather conditions, as outlined by Natural England guidelines; sunny with temperatures averaging 24°C.

3.5 Personnel

3.5.1 The survey was carried out by ecologist Natasha Estrada BSc (Hons), MRes, MCIEEM of Estrada Ecology Ltd; an experienced ecologist and the holder of Natural England bat and great crested newt survey licences, being the named ecologist on several EPS Mitigation Licences.

4 Ecological Constraints

4.1 It should be noted that this ecological appraisal provides baseline ecological data at the time of survey only and does not include flora or fauna which may be present at different times of the year.

4.2 An absence of species records from within a search radius does not provide confirmation that a species is absent from within the search area.

4.3 A small area of dense bramble scrub on the south eastern elevation of the site was inaccessible for survey due to the density of cover.

5 Survey Results

5.1 Desktop survey results

5.1.1 A total of ten thousand, two hundred and seventy-six records were returned by Barnsley Biological Records Centre (BBRC). Records relevant to this site are included in Appendix Five. In summary, the following records were returned:

- Two amphibian records, both for common frog (*Rana temporaria*) and dated 2008 and 2010 respectively.
- Two reptile records, both for grass snake (*Natrix natrix*), dated 2004 and 2016; the former being recorded on Everill Gate Lane, the latter at Parkhill Nature Reserve Local Wildlife Site.
- Thirty-six bat records, dated between 1988 and 2013, include records for three confirmed species: noctule (*Nyctalus noctula*); Daubenton's

bat (*Myotis daubentoni*); and common pipistrelle (*Pipistrellus pipistrellus*).

- Four noctule (*Nyctalus noctula*) records, dated between 2000 and 2013.
- Ten Daubenton's bat (*Myotis daubentoni*) records, dated between 1992 and 2001. All were recorded at Parkhill Brickworks and sighted as 'visual in crevices'.
- Five unconfirmed bat species records (*Myotis* sp and Chiroptera), dated between 1994 and 2013.
- Ten unconfirmed *Pipistrellus* species dated, between 2000 and 2013 (five are for 45 Khz – 2000-2013, 5 are for 55 Khz – 2010-2013).
- Seven common pipistrelle (*Pipistrellus pipistrellus*) records dated between 1988 and 2004. Two of these are roost exit counts (location is 7 Poplar Road, Wombwell) and recorded eight bats leaving the roost in 1988 and eighty-five bats leaving the roost in 1991.
- Fifty water vole (*Arvicola amphibius*) records were returned dated between 2005 and 2013. These were discounted from analysis due to the absence of water bodies on site, feeding in to the site or immediately outside the site boundaries.
- Four brown hare (*Lepus europaeus*) records were recorded within the search radius, all within Broomhill Flash Local Wildlife Site in 2011.

5.1.2 One thousand, one hundred and twenty records were returned by Rotherham Biological Records Centre. Records relevant to this site are included in Appendix Four. A summary of relevant records returned follows:

- Thirty-three amphibian records, dated between 1976 and 2013, were returned. The majority were on the same site at Cliffe Road, Brampton. Records returned include four smooth newt (*Lissotriton vulgaris*) and twenty-nine common frog (*Rana temporaria*) records, dated between 1976 and 2013.
- Ten reptile records all for grass snake (*Natrix natrix*) dated between 2009 and 2011, for sites at Brampton and Brampton Bierlow village.
- Four brown hare (*Lepus europaeus*) records, dated between 2009 and 2012.
- Fifteen bat records including two confirmed species; common pipistrelle (*Pipistrellus pipistrellus*) and noctule bat (*Nyctalus noctula*) were returned for the search radius.
- Three common pipistrelle (*Pipistrellus pipistrellus*) records, all dated from 2002, for a site at 64 Cliffe Road.
- One unconfirmed *Pipistrellus* species record, dated from 2010; along with three noctule records (*Nyctalus noctula*), dated 2009 and 2010; and eight unconfirmed bat (Chiroptera) species, dated between 2002 and 2004.

5.1.3 Consultation with Magic Map returned no European Protected Species Mitigation Licences granted within a 2km radius of grid.

5.2 Habitat Description

5.2.1 Overview

5.2.1.1 The survey site is dominated by tall ruderal communities and bare ground, with small areas of scattered scrub and bracken. Rock exposures and waste occur occasionally; a likely remnant of the sites previous industrial use.

5.2.1.2 Site boundaries are formed by fencing with species-rich hedgerows and scattered trees located immediately outside the site on all elevations.

5.2.1.3 The Phase 1 habitat mapping description is, predominantly:

- C3.1 Tall ruderals
- J4 Bare ground
- A2.2 Scattered scrub
- C1 Bracken
- I Rock exposure and waste.
- Site boundaries are formed by fencing and J2.5 wall.

5.2.1.4 See Appendix Two for a Phase 1 map of the survey site.

5.2.1.5 A list of all species recorded on the site during the walk over survey can be found in Appendix One.

5.2.2 J3.6 Buildings

5.2.2.1 The site contains no buildings as such. However, the remains of a light industrial unit are in place, with just the frame now present on the southern elevation of the site. This offers no intrinsic ecological value.

Figure 2: Frame of former light industrial unit



5.2.3 C3.1 Tall ruderals

5.2.3.1 Tall ruderal communities cover the site and are dominated by: rosebay willowherb (*Chamaenerion angustifolium*); great willowherb (*Epilobium hirsutum*); common flax (*Linum usitatissimum*); colts foot (*Tussilago farfara*); spear thistle (*Cirsium vulgare*); creeping thistle (*Cirsium arvense*); common nettle (*Urtica dioica*); and broadleaved dock (*Rumex obtusifolius*).

5.2.3.2 Cow parsley (*Anthriscus sylvestris*), yarrow (*Achillea millefolium*), meadowsweet (*Filipendula ulmaria*), ragwort (*Jacobaea vulgaris*), and fat hen (*Chenopodium album*) occur frequently.

Figure 3: Tall ruderal communities recorded to dominate the site



5.2.4 B6 Species-poor, semi-improved grassland

5.2.4.1 Small areas of species-poor, semi-improved grassland are present where areas of tall ruderals subside. Dominant species recorded include perennial rye-grass (*Lolium perenne*); common bent (*Agrostis capillaris*); and soft brome (*Bromus hordeaceus*).

5.2.5 J4 Bareground & J1.3 Ephemeral / short perennial

5.2.5.1 Small areas of bare ground are present throughout the site and offer limited ecological value.

5.2.5.2 Some areas recorded partial colonisation of herbs, such as: groundsel (*Senecio vulgaris*); creeping buttercup (*Ranunculus repens*); ribwort plantain (*Plantago lanceolata*); and infrequent red clover (*Trifolium pratense*).

Figure 4: Bare ground and ephemeral / short perennial



5.2.6 A2.2 Scattered scrub

5.2.6.1 Dominated by bramble, with occasional field bindweed (*Convolvulus arvensis*), scrub is isolated to areas of the small areas of the eastern,

southern and south western boundaries and forms a dense covering in parts.

Figure 5: Scattered scrub bordering tall ruderals on the southern boundary



5.2.7 Bracken

5.2.7.1 Adjacent to scrub and isolated to other southern boundary is a small area of bracken dominated by *Pteridium sp.*

5.2.8 A3.1 Scattered trees

5.2.8.1 Immature saplings of silver birch (*Betula pendula*) and oak (*Quercus robur*) were recorded within the site boundary.

5.2.9 Rock exposure / waste

5.2.9.1 Small areas of rock debris were recorded within the site boundary largely isolated to the north western elevation of the site.

Figure 6: Rock exposure / waste



5.2.10 Outside the site boundary

5.2.10.1 J2.4 Species-rich hedgerows

5.2.10.1.2 Believed to be outside the site boundary, but bordering the site, are native species-rich hedgerows, with scattered trees dominated by: hawthorn (*Crataegus monogyna*); frequent ash (*Fraxinus excelsior*); silver birch, sycamore (*Acer pseudoplatanus*); wild cherry (*Prunus avium*); and *Malus sp*; occasional hazel (*Corylus avellane*); rowan (*Sorbus aucuparia*); and blackthorn (*Prunus spinosa*).

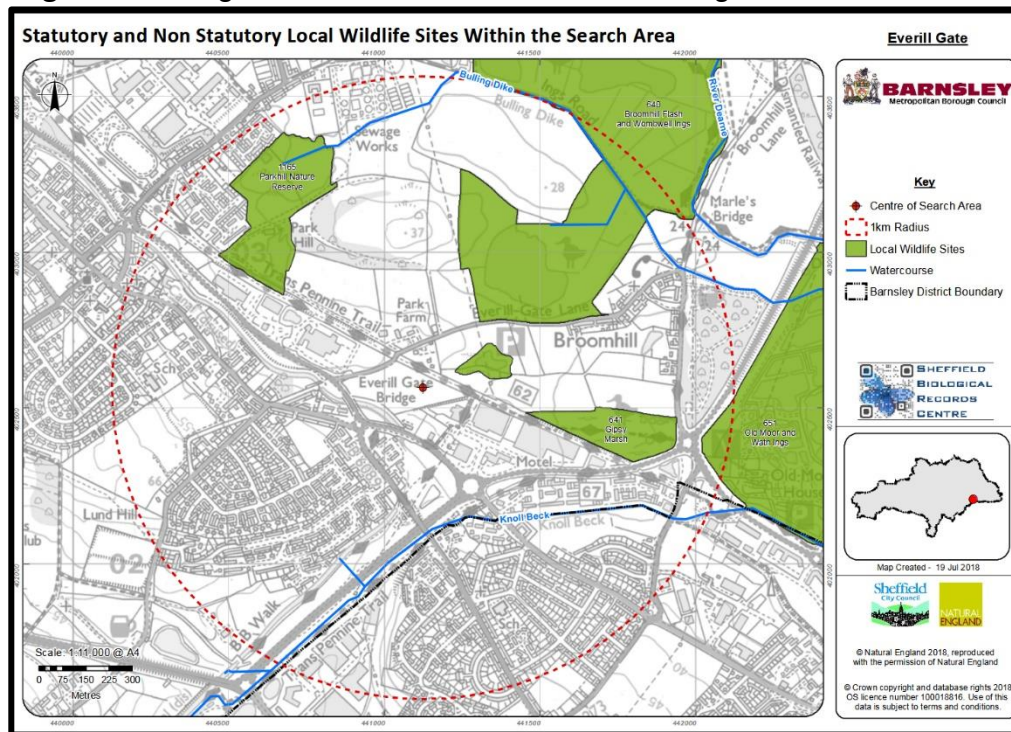
Figure 7: Species rich hedgerows and scattered trees outside the site boundary



5.3 Designated sites

5.3.1 Consultation with Magic Map indicated no statutory designated sites located within a 2km radius of grid.

Figure 8: Designated sites within a 1km radius of grid.



Barnsley Biological Records Centre

5.3.2 Barnsley Biological Records Centre indicated four Local Wildlife Sites within a 1km radius of grid:

- Parkhill Nature Reserve is located 431.6 metres north west of the site. Everill Gate Lane, small areas of industrial units, retail properties, and an unnamed track may form a barrier between the site and the nature reserve.
- Broomhill Flash and Wombwell Ings lies 266.3 metres north of the site. Everill Gate Lane and an unnamed track may form a barrier between the site and wildlife site.
- Gipsy Marsh is located 211.6 metres east of the site. There is only an unnamed path between the survey site and wildlife site with no major barriers to dispersal recorded.
- Old Moor and Wath Ings lies 770.3 metres east of the site. The A6195 main road, a small industrial estate, and an unnamed track lie between the site and wildlife site. In addition to this the A633 main road borders the wildlife site along its southern elevation. These features may form a barrier between the site and nature reserve.

5.3.3 Barnsley Biological Records Centre confirmed two watercourses within a 1km radius of grid:

- Bulling Dike is found 734.6 metres north of the site. Everill Gate Lane, an unnamed track, and a small industrial and retail area lies between the watercourse and site.
- Knoll Beck is located 389.8 metres south of the site. Between the site and watercourse lie an industrial estate, a residential area, and the main roads, A6195 and A633, which may form a barrier between the two locations.

5.4 Habitats of European significance

5.4.1 No Annex 1 habitats, as defined in the EC Habitats Directive, occur in the study area, or within a 1km radius, according to records obtained via www.magic.defra.gov.uk website.

5.5 Protected species:

5.5.1 Badger

5.5.1.1 No badger records were returned from the records search for a 1km radius of the site.

5.5.1.2 No field sign evidence synonymous with use of the site by badger was recorded at the time of survey. No setts, latrines, hair on boundary features, feeding remains or claw marks / footprints were recorded at the time of survey.

5.5.1.3 A number of paths were recorded throughout the site and deemed to be from dog walkers, as indicated by a high level of faeces on site.

5.5.1.4 Areas of inaccessible scrub on the southern boundary recorded no evidence of paths entering the scrub or excavations within.

5.5.2 Bats

5.5.2.1 All trees within the site boundary were recorded as immature with negligible potential to support bats for roosting or as a place of shelter using guidelines from Bat Conservation Trust (BCT) Bat Surveys for Professional Ecologists, Good Practice Guidelines (3rd Edition) 2016 by a licensed bat ecologist (2015-12213-CLS-CLS).

5.5.2.2 Trees outside the site boundary have the potential to provide suitable foraging grounds and commuting lines for bats within the locality. Under current proposals these are to be retained.

5.5.2.3 The survey site provides limited habitat to support major foraging grounds. The loss of 3.5 ha in a local context is not deemed to have an impact on major commuting lines or foraging grounds.

Table 2: Tree features commonly used by bats for roosting, shelter and field signs that may indicate use of trees by bats (BCT Guidelines 2016).

Features of trees used as bat roosts	Signs indicating possible use by bats
Natural holes	Tiny scratches around entry point
Woodpecker holes	Staining around entry point
Cracks/splits in major limbs	Bat droppings in, around or below entrance
Loose bark	Audible squeaking at dusk or in warm weather
Hollows/cavities	Flies around entry point
Dense epicormic growth	Distinctive smell of bats
Bird and bat boxes	Smoothing of surfaces around cavity

5.5.2.3 No buildings are present on site, other than a steel-framed industrial unit with negligible roost suitability.

5.5.3 Amphibians

5.5.3.1 No water bodies exist on the survey site itself, and none feed into the site. Two water bodies were recorded eighty metres east and two hundred and seventy metres north east of the survey site, with only a minor road network and housing between. However, due to an absence of largely suitable refugia, ponds and damp areas the site is deemed hostile for amphibians for breeding / early life stages and sub-optimal for adult life phases and no further surveys are recommended.

5.5.4 Reptiles

5.5.4.1 Reptile records were recorded for the search area, including a record for Everill Gate Lane. The site is deemed to provide suitability for reptiles, with areas of bare ground and exposed rock suitable for basking along with a mosaic of scrub and tall ruderals providing cover. It is recommended that further surveys are conducted to ascertain presence / likely absence of reptile use of the site.

5.5.5 Breeding birds

5.5.5.1 No evidence of breeding birds was recorded within the site, at the time of survey. Areas of scrub and dense tall ruderals have the potential to provide suitable nesting habitat. However, the survey offers a snap-shot in time and, therefore, must not be viewed as definitive as there is potential for nesting birds to be present at other times.

5.5.5.2 The site provides limited opportunities for ground nesting birds, predominantly due to disturbance from footfall.

5.5.6 Other species

5.5.6.1 The site does not support suitable habitat for any other protected or significant fauna, such as: barn owl; white clawed crayfish; otter; brown hare; or dormouse.

6 Conclusions

6.1 Due to the potential for the site to support reptiles it is considered that further surveys will be required to ascertain presence / likely absence.

6.2 Designated sites

6.2.1 Habitats and vegetation

6.2.1.1 No Annex 1 Habitats, as defined in the EC Habitats Directive, occur in the study area.

6.3 Assessment of significance of impact on protected fauna

6.3.1 Badger

6.3.1.1 No setts, or field sign evidence of badger using the site were recorded during the survey site. No impacts are predicted, and no further surveys are recommended.

6.3.2 Bats

6.3.2.1 Trees within the site boundary have no features suitable for use by bats and have been classified as having negligible potential to support bats, using Bat Conservation Trust (BCT) Bat Surveys for Professional Ecologists, Good Practice Guidelines (3rd Edition) 2016, when surveyed by a licenced bat ecologist (2015-12213-CLS-CLS).

6.3.2.2 The buildings are present within the site boundary.

6.3.2.3 No impacts are predicted in respect of the loss of foraging grounds and commuting lines.

6.3.2.4 It is recommended that light overspill from the redeveloped site is minimised so as not to impact hedgerows and trees outside the site boundary which could be used by foraging and or commuting bats.

6.3.3 Amphibians

6.3.3.1 No impacts are predicted in respect of amphibians and no further surveys recommended.

6.3.4 Reptiles

6.3.4.1 The site recorded suitability for use by reptiles. It is recommended that presence / likely absence surveys are conducted to ascertain any reptile use of the site.

6.3.5 Birds

6.3.5.1 No signs of breeding birds were recorded in the trees or vegetation at the time of survey. It is recommended that any vegetation clearance works are undertaken outside the breeding bird season, which is typically recognised as March to September (inclusive).

6.3.6 Other protected and significant fauna

6.3.6.1 The site does not support appropriate habitat for any other protected or significant fauna such as: barn owl; otter; brown hare; dormouse; riparian or aquatic species.

7 Recommendations

7.1 Recommendations in respect of reptiles

7.1.1 The site provides suitable habitat for reptiles, such as grass snake and slow worm. It is recommended that a presence / absence surveys for reptiles are undertaken.

7.1.2 If positive field signs for reptiles are recorded, then proportionate mitigation may be required as part of any scheme undertaken on site.

7.2 Recommendations for birds

- 7.2.1 Where possible works, including site clearance, should be undertaken outside the breeding bird season (typically March to September, inclusive). If this is not possible, a walkover survey should be undertaken by a qualified ecologist to ensure the site is clear.

7.3 Recommendations for bats

- 7.3.1 It is recommended that artificial light overspill is minimised so as not to affect mature species rich hedgerows and scattered trees immediately outside the site boundaries.

8 Enhancement

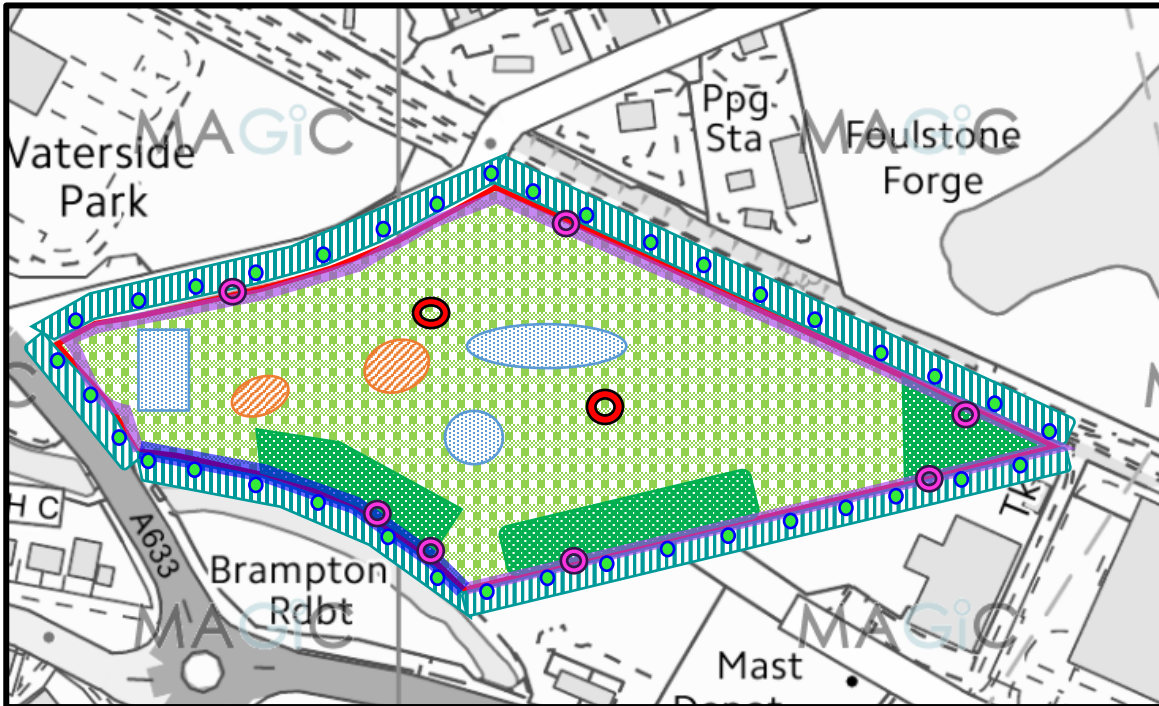
- 8.1 Post development, the site would benefit from a sensitive planting scheme to include native broadleaved tree and wildflower species, in order to increase invertebrate species, and enhance the attractiveness of the site for birds, bats and other fauna. Suggestions are outlined within Appendix Three.

Appendix One: Survey site species list

Species recorded within site boundary	
Vernacular	Taxon
Flora	
Bird's-foot trefoil	<i>Lotus corniculatus</i>
Bracken	<i>Pteridium sp.</i>
Bramble	<i>Rubus fruticosus agg.</i>
Broad leaved dock	<i>Rumex obtusifolius</i>
Cleavers	<i>Galium aparine</i>
Colts foot	<i>Tussilago farfara</i>
Common bent	<i>Agrostis capillaris</i>
Common flax	<i>Linum usitatissimum</i>
Common knapweed	<i>Centaurea nigra</i>
Cow parsley	<i>Anthriscus sylvestris</i>
Creeping buttercup	<i>Ranunculus repens</i>
Creeping thistle	<i>Cirsium arvense</i>
Dandelion	<i>Taraxacum officinale</i>
Fat hen	<i>Chenopodium album</i>
Field bindweed	<i>Convolvulus arvensis</i>
Goat willow	<i>Salix caprea</i>
Great willowherb	<i>Epilobium hirsutum</i>
Groundsel	<i>Senecio vulgaris</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Nettle	<i>Urtica dioica</i>
Perennial rye grass	<i>Lolium perenne</i>
Ragged robin	<i>Lychnis flos-cuculi</i>
Ragwort	<i>Jacobaea vulgaris</i>
Red clover	<i>Trifolium pratense</i>
Ribwort plantain	<i>Plantago lanceolata</i>
Rosebay willowherb	<i>Chamaenerion angustifolium</i>
Soft brome	<i>Bromus hordeaceus</i>
Sow thistle	<i>Sonchus oleraceus</i>
Spear thistle	<i>Cirsium vulgare</i>
Teasel	<i>Dipsacus fullonum</i>
Yarrow	<i>Achillea millefolium</i>
Yorkshire fog	<i>Holcus lanatus</i>

Species recorded in hedgerow immediately outside site boundary	
Vernacular	Taxon
Flora	
Apple	<i>Malus sp.</i>
Ash	<i>Fraxinus excelsior</i>
Beech	<i>Fagus sylvatica</i>
Blackthorn	<i>Prunus spinosa</i>
Elder	<i>Sambucus nigra</i>
Hawthorn	<i>Crataegus monogyna</i>
Hazel	<i>Corylus avellana</i>
Oak	<i>Quercus robur</i>
Privet	<i>Ligustrum sp.</i>
Rosehip	<i>Rosa sp.</i>
Rowan	<i>Sorbus aucuparia</i>
Silver birch	<i>Betula pendula</i>
Sycamore	<i>Acer pseudoplatanus</i>
Viburnum	<i>Viburnum sp.</i>
Wild cherry	<i>Prunus avium</i>

Appendix Two: Phase one map



Key		Target Notes	
	Scattered scrub		TN1 Breeding bird potential
	Bare ground		TN2 Reptile potential
	Rock exposure		
	Fencing		
	Scattered trees		
	Hedgerows		
	Wall		
	Tall Ruderals		
	Site boundary		

Appendix Three: Suggested wildlife-friendly plantings

Common Name	Scientific name	Wildlife value
Large trees		
Ash	<i>Fraxinus excelsior</i>	68 species of insects/mites and 32 species of lepidoptera. Seeds eaten by birds and mammals.
Beech	<i>Fagus sylvatica</i>	98 species of insects/mites and 51 species of lepidoptera. The masts are eaten by birds and mammals including wood mice and Jays.
Cherries	<i>Prunus avium, Prunus padus</i>	9 species of lepidoptera. Berries eaten by birds.
Elm	<i>Ulmus procera</i>	Good tree for insects and birds. 124 species of insects/mites and 24 species of lepidoptera are associated with elm trees.
Oaks	<i>Quercus pedunculata, Q. Robur</i>	423 species of insects/mites and 193 species of lepidoptera. Acorns eaten by a variety of birds and mammals. Very important for insect eating birds.
Scots pine	<i>Pinus silvestris</i>	91 species of invertebrate are known to use this species.
Spruce	<i>Picea spp.</i>	73 species of invertebrate are known to use this species.
Small leaved lime	<i>Tilia cordata</i>	
White willow	<i>Salix alba</i>	450 species of insects/mites and 166 species of lepidoptera.
Medium/small trees		
Alder	<i>Alnus glutinosa</i>	141 species of insects/mites and 71 species of lepidoptera. Seeds are good for birds such as siskins.
Apples	<i>Malus spp.</i>	118 species of insects/mites and 76 species of lepidoptera. Fruits are eagerly consumed by birds and mammals.
Field maple	<i>Acer campestre</i>	149 species of insects/mites and 24 species of lepidoptera. Fruits eaten by small mammals.
Holly	<i>Ilex aquifolium</i>	7 species of invertebrate are known to use this species. Berries good for birds and small mammals. Caterpillars of the holly blue butterfly feed on the leaves. Holly leaf miner provides winter food for birds
Pears	<i>Pyrus spp.</i>	Good for invertebrates. Fruits are eagerly consumed by birds and mammals.
Rowan	<i>Sorbus aucuparia</i>	58 species of insects/mites and 28 species of lepidoptera. The ripe berries attract birds such as redwings and field-fares.
Birch (silver and downy)	<i>Betula pendula, B pubescens</i>	229 species of invertebrates are known to use these species. Best tree for moth larvae. Catkins good food source for birds such as redpolls and tits.
Plants for hedges		
Blackthorn	<i>Prunus spinosa</i>	229 species of invertebrates are known to use this species. Good for nesting birds if grown as thicket or in hedge. Rich in insects. Fruit for birds. Black hairstreak butterfly lays its eggs mainly on blackthorn.
Buckthorn	<i>Rhamnus catharticus</i>	Berries for birds. Important food plant for brimstone butterfly larvae.
Cherry plum	<i>Prunus cerasifera</i>	Nectar and fruits for invertebrates. Fruits are eagerly consumed by birds and mammals.
Elder	<i>Sambucus nigra</i>	Berries for birds and nectar for insects.
Guelder rose	<i>Viburnum opulus</i>	Nectar for insects, particularly hoverflies. Fruits for birds and small mammals, especially liked by woodmouse. Note: leaves, bark and berries are all poisonous.
Hawthorn	<i>Crataegus monogyna</i>	149 species of invertebrate are known to use this species. Berries eaten by birds. Nectar. Berries good food source for thrushes, redwings and fieldfares. Good nesting if dense. Excellent for moth larvae.
Hazel	<i>Corylus avellana</i>	73 species of insects/mites and 68 species of lepidoptera. Nuts eaten by birds and mammals i.e. squirrels, mice and jays.
Privets	<i>Ligustrum spp.</i>	24 species of insects/mites, nectar for the butterflies. Berries eaten by birds.
Climbers/scramblers		
Brambles	<i>Rubus fruticosus agg.</i>	Nectar source for bees and butterflies. Berries for birds and mammals.
Dog Rose	<i>Rosa canina</i>	Provides nectar for bees and butterflies. Hips good for small birds and mammals.
Ivy	<i>Hedera helix</i>	Provides late nectar source and cover/hibernating sites for invertebrates. Food source for the Holly Blue butterfly larva.
Honeysuckle	<i>Lonicera periclymenum</i>	Excellent food source for invertebrates including the Speckled Wood butterfly. Berries eaten by birds.
Wild clematis/ Old man's beard	<i>Clematis vitalba</i>	Provides nectar for bees and butterflies.
Plants to site under trees or in shady areas		
Bluebell	<i>Hyacinthoides non-scripta</i>	
Bugle	<i>Ajuga reptans</i>	
Daffodils	<i>Narcissus pseudonarcissus</i>	
Foxglove	<i>Digitalis purpurea</i>	
Lily of the valley	<i>Convallaria majalis</i>	
Lords-and-ladies	<i>Arum maculatum</i>	
Primrose	<i>Primula vulgaris</i>	

Common Name	Scientific name	Wildlife value
Sweet violet	<i>Viola odoratum</i>	
Wood avens	<i>Geum urbanum</i>	
Yellow archangel	<i>Lamstrum galeobdolon</i>	
Other shrubs for nectar, pollen or fruits		
Bodnant viburnum	<i>Viburnum x bodnantense</i>	Provides early nectar source for invertebrates and berries for birds. One of the most valuable winter flowering shrubs.
Californian lilac	<i>Ceanothus spp.</i>	Nectar for bees and butterflies.
Creeping cotoneaster	<i>Cotoneaster frigidus</i>	Berries good for birds and small mammals. Attracts waxwings and pheasants.
Firethorn	<i>Pyracantha spp.</i>	Good for nesting thrushes and a site or an open robin box. Nectar for bees, berries for birds.
Himalayan honeysuckle	<i>Leycesteria formosa</i>	Provides nectar for bees and butterflies.
Japanese quince	<i>Chaenomeles japonica</i>	Berries for birds and mammals.
Lilac	<i>Syringa vulgaris</i>	Nectar for bees and butterflies.
Mahonia	<i>Mahonia spp.</i>	Nectar for bees and butterflies.
Mock orange	<i>Philadelphus spp.</i>	Nectar for bees and butterflies.
Serviceberry	<i>Amelanchier canadensis</i>	Provides nectar for bees and butterflies.
Wildflowers		
Agrimony	<i>Agrimonia eupatoria</i>	Provides nectar for bees and butterflies.
Chicory	<i>Chicorium intybus</i>	Provides nectar for bees and butterflies.
Chives	<i>Allium schoenoprasum</i>	Provides nectar for bees and butterflies.
Common mallow	<i>Malva sylvestris</i>	Provides nectar for bees and butterflies.
Common poppy	<i>Papaver rhoeas</i>	Provides nectar for bees and butterflies.
Corncockle	<i>Agrostemma githago</i>	Very good nectar source for bees and butterflies.
Corn marigold	<i>Chrysanthemum segetum</i>	Very good nectar source for bees and butterflies.
Cowslip	<i>Primula veris</i>	Very good nectar source for bees and butterflies.
Dame's violet	<i>Hesperis matronalis</i>	Very good nectar source for bees and butterflies.
Dandelion	<i>Taraxacum officinale</i>	Very good nectar source for bees and butterflies.
Devil's bit scabious	<i>Succisa pratensis</i>	Very good nectar source for bees and butterflies.
Field scabious	<i>Knautia arvensis</i>	Very good nectar source for bees and butterflies.
Foxglove	<i>Digitalis purpurea</i>	Very good nectar source for bees and butterflies.
Germander speedwell	<i>Veronica chamaedrys</i>	Very good nectar source for bees and butterflies.
Goldenrod	<i>Solidago virgaurea</i>	27 species of lepidoptera.
Great mullein	<i>Verbascum thapsus</i>	Very good nectar source for bees and butterflies.
Greater knapweed	<i>Centaurea scabiosa</i>	Very good nectar source for bees and butterflies.
Harebell	<i>Campanula rotundifolia</i>	Very good nectar source for bees and butterflies.
Herb-robert	<i>Geranium verum</i>	Very good nectar source for bees and butterflies.
Lady's bedstraw	<i>Galium verum</i>	Very good nectar source for bees and butterflies.
Marjoram	<i>Origanum vulgare</i>	Good plant for butterflies and bees
Meadow cranesbill	<i>Geranium pratense</i>	Very good nectar source for bees and butterflies.
Oxeye daisy	<i>Leucanthemum vulgare</i>	Very good nectar source for bees and butterflies.
Primrose	<i>Primula vulgaris</i>	Very good nectar source for bees and butterflies.
Red campion	<i>Silene dioica</i>	Very good nectar source for bees and butterflies.
Spiked speedwell	<i>Veronica spicata</i>	Very good nectar source for bees and butterflies.
Tansy	<i>Tanacetum vulgare</i>	Very good nectar source for bees and butterflies.
Teasel	<i>Dipsacus fullonum</i>	A food source of the Brimstone butterfly. Attracts other insects for its nectar and birds for its seeds.
Toadflax	<i>Linaria vulgaris</i>	Very good nectar source for bees and butterflies.
White campion	<i>Silene alba</i>	Very good nectar source for bees and butterflies.
Wild thyme	<i>Thymus drucei</i>	Very good nectar source for bees and butterflies.
Yellow loosestrife	<i>Lysimachia vulgaris</i>	Provides nectar for bees and butterflies.

Appendix Four: Protected species records returned by Rotherham Biological Records Centre for the site and a 1km radius

Common Name	Taxon Name	Taxon group	Location	Location Name	Grid Reference	Date	Abundances	Comment
Smooth Newt	Lissotriton vulgaris	amphibian	64 Cliffe Road		SE41 01	13/02/2006	2 Count of Adult	
Smooth Newt	Lissotriton vulgaris	amphibian	64 Cliffe Road		SE41 01	14/02/2006	1 Count of Adult	
Smooth Newt	Lissotriton vulgaris	amphibian	64 Cliffe Road	in garden pond	SE41 01	13/02/2011	1 Count of alive	
Smooth Newt	Lissotriton vulgaris	amphibian	64 Cliffe Road		SE41 01	27/03/2011	1 Count of alive	found under logs
Common Frog	Rana temporaria	amphibian	area between Wath Road & Brampton Road on the Rotherham/Barnsley boundary		SE41 02	April 1976	Present Count of egg/ovum	found by P.Wilson's parents
Common Frog	Rana temporaria	amphibian	area between Wath Road & Brampton Road on the Rotherham/Barnsley boundary		SE41 02	June 1976	several Count of egg/ovum	"dried out"
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	09/10/2003	1 Count of alive	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	13/10/2003	3 Count of alive	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	03/02/2004	1 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	04/02/2004	2 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	04/03/2004	1 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	05/03/2004	3 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	06/03/2004	3-5 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	07/03/2004	frequent Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	13/03/2004	Present Count of proved breeding; Present Count of egg/ovum	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	14/03/2004	14-15 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	15/03/2004	11 or 12 Count of Adult	
Common Frog	Rana temporaria	amphibian	Cliffe Road, Brampton		SE41 01	16/03/2004	7-8 Count of Adult	

Common Name	Taxon Name	Taxon group	Location	Location Name	Grid Reference	Date	Abundances	Comment
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	17/03/2004	5 or 6 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	24/04/2004	3-5 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	11/03/2005	frequent Count of proved breeding; Present Count of Adult; Present Count of egg/ovum	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	07/02/2006	6-8 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	12/02/2006	4-6 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	07/03/2006	19 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	08/03/2006	42-45 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	24/03/2006	70-80 Count of proved breeding; Present Count of Adult; Present Count of egg/ovum	
Common Frog	Rana temporaria	amphibian	65 Cliffe Road	back garden, 65 Cliffe Road	SE41 01	18/02/2009	c12 Count of Adult	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	05/02/2011	3 Count of alive	in pond after dark
Common Frog	Rana temporaria	amphibian	64 Cliffe Road	back garden pond	SE41 01	26/02/2011	20-30 Count of alive	
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	24/01/2012	1 Count of alive	after dark
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	22/02/2012	20+ Count of Adult	after dark
Common Frog	Rana temporaria	amphibian	64 Cliffe Road	garden	SE41 01	09/01/2013	3 Count of Adult	first back in garden pond
Common Frog	Rana temporaria	amphibian	64 Cliffe Road		SE41 01	09/04/2013	present Count of egg/ovum	first spawn of spring in pond, almost 2 months later than usual!
Grass Snake	Natrix natrix	reptile	Brampton Bierlow village	Trans-Pennine Trail by pond	SE41 9022	02/05/2009	1 Count of Adult	
Grass Snake	Natrix natrix	reptile	Brampton Bierlow village	Trans-Pennine Trail	SE40	08/05/2009	1 Count of Adult	under board
Grass Snake	Natrix natrix	reptile	Brampton Bierlow village	Trans-Pennine Trail	SE40	11/05/2009	1 Count of Adult	under board
Grass Snake	Natrix natrix	reptile	E side of Pontefract Road N of Knoll Beck		SE41 02	13/05/2009	1 Count of Adult	under board
Grass Snake	Natrix natrix	reptile	Brampton Bierlow village		SE40	31/05/2009	1 Count of Adult	under board



Common Name	Taxon Name	Taxon group	Location	Location Name	Grid Reference	Date	Abundances	Comment
Grass Snake	Natrix natrix	reptile	Brampton Bierlow village		SE41 02	17/08/2009	1 Count of Male; 1 Count of Female	
Grass Snake	Natrix natrix	reptile	Knoll Beck, Brampton		SE41 9021	13/04/2010	1 Count of alive	
Grass Snake	Natrix natrix	reptile	Knoll Beck, Brampton		SE41 9021	16/05/2010	1 Count of alive	under board
Grass Snake	Natrix natrix	reptile	Knoll Beck, Brampton		SE41 9021	18/05/2010	2 Count of Adult	
Grass Snake	Natrix natrix	reptile	Knoll Beck between Pontefract Road & Wath Road		SE41 9021	30/04/2011	1 Count of Female	c 1m long, under board
Bats	Chiroptera	terrestrial mammal	64 Cliffe Road		SE41 01	26/09/2002	1 Count of in flight	
Bats	Chiroptera	terrestrial mammal	64 Cliffe Road		SE41 01	20/05/2003	1 Count of hunting; 1 Count of hunting	
Bats	Chiroptera	terrestrial mammal	64 Cliffe Road		SE41 01	19/11/2003	1 Count of in flight	E @ 1600
Bats	Chiroptera	terrestrial mammal	64 Cliffe Road		SE41 01	02/02/2004	1 Count of Adult	0715
Bats	Chiroptera	terrestrial mammal	64 Cliffe Road		SE41 01	08/04/2004	1 Count of in flight	N at dusk
Bats	Chiroptera	terrestrial mammal	64 Cliffe Road		SE41 01	15/04/2004	1 Count of Adult	
Bats	Chiroptera	terrestrial mammal	64 Cliffe Road		SE41 01	03/09/2004	1 Count of alive	
Bats	Chiroptera	terrestrial mammal	64 Cliffe Road		SE41 01	08/09/2004	1 Count of alive	
Noctule Bat	Nyctalus noctula	terrestrial mammal	Brampton Bierlow village		SE41 01	23/05/2009	1 Count of in flight	W
Noctule Bat	Nyctalus noctula	terrestrial mammal	64 Cliffe Road		SE41 01	21/09/2010	1 Count of in flight	SE @ 1920hrs
Noctule Bat	Nyctalus noctula	terrestrial mammal	64 Cliffe Road		SE41 01	28/09/2010	1 Count of in flight; same Count of feeding	over garden 1900-1910hrs

Common Name	Taxon Name	Taxon group	Location	Location Name	Grid Reference	Date	Abundances	Comment
Pipistrelle Bat species	Pipistrellus	terrestrial mammal	64 Cliffe Road		SE41 01	18/01/2010	1 Count of feeding	1630hrs
Pipistrelle	Pipistrellus pipistrellus sensu lato	terrestrial mammal	64 Cliffe Road	garden	SE41 01	05/11/2002	1 Count of alive	
Pipistrelle	Pipistrellus pipistrellus sensu lato	terrestrial mammal	64 Cliffe Road	garden	SE41 01	21/11/2002	1 Count of alive	
Pipistrelle	Pipistrellus pipistrellus sensu lato	terrestrial mammal	64 Cliffe Road	garden	SE41 01	28/11/2002	1 Count of feeding	
European Water Vole	Arvicola amphibius	terrestrial mammal	Knoll Beck between Pontefract Road & Wath Road		SE41 9021	03/04/2011	1 Count of alive	disturbed from under board
Brown Hare	Lepus europaeus	terrestrial mammal	waste ground on E side of Pontefract Road NE of Barnsley Road		SE41 02	28/05/2009	1 Count of Adult	
Brown Hare	Lepus europaeus	terrestrial mammal	Brampton Bierlow		SE40 01	05/09/2009	1 Count of alive	
Brown Hare	Lepus europaeus	terrestrial mammal	spoil heap at SW of developed land at Cortonwood		SE40 01	03/06/2010	1 Count of alive	
Brown Hare	Lepus europaeus	terrestrial mammal	spoil heap at SW of developed land at Cortonwood		SE40 01	21/03/2012	2 Count of alive	

Appendix Five: Protected species records returned by Barnsley Biological Records Centre (BBRC) from for the site and a 1km radius

Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BAP Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 102	Broomhill Flash		30/04/2011 00:00	30/04/2011	terrestrial mammal	Neomys fodiens	Water Shrew	0.00	0.00	0.00	441500.00	402500.00	remains in Barn Owl pellets
SE4 102	Broomhill Flash		31/05/2011 00:00	31/05/2011	terrestrial mammal	Neomys fodiens	Water Shrew	0.00	0.00	0.00	441500.00	402500.00	remains in Barn Owl pellets
SE4 060 30	Wombwell	Park Hill Brickworks	12/07/2010 00:00	12/07/2010	terrestrial mammal	Nyctalus noctula	Noctule	1.00	1.00	0.00	439500.00	404500.00	feeding
SE4 102	Wombwell	Everill Gate Lane	08/05/2000 00:00	08/05/2000	terrestrial mammal	Nyctalus noctula	Noctule	1.00	1.00	0.00	439500.00	404500.00	feeding
SE4 050 30	Park Hill Brick Pits LWS		05/07/2013 00:00	05/07/2013	terrestrial mammal	Nyctalus noctula	Noctule	1.00	1.00	0.00	445000.00	405000.00	
SE4 050 30	Park Hill Brick Pits LWS		05/07/2013 00:00	05/07/2013	terrestrial mammal	Nyctalus noctula	Noctule	1.00	1.00	0.00	445000.00	405000.00	several feeding overhead
SE4 180 23	Gypsy Marsh LWS	Gypsy Marsh	11/11/2011 00:00	11/11/2011	terrestrial mammal	Microtus agrestis	Field Vole	0.00	0.00	0.00	441500.00	402500.00	nest
SE4 120 22	'BARNSELY MBC'	rough grassland	12/03/2015 00:00	12/03/2015	terrestrial mammal	Microtus agrestis	Field Vole	0.00	0.00	0.00	435000.00	405000.00	runs and droppings
SE4 102	Broomhill Flash		31/05/2011 00:00	31/05/2011	terrestrial mammal	Microtus agrestis	Field Vole	0.00	0.00	0.00	441500.00	402500.00	remains in Barn Owl pellets
SE4 102	Broomhill Flash		31/03/2011 00:00	31/03/2011	terrestrial mammal	Microtus agrestis	Field Vole	0.00	0.00	0.00	441500.00	402500.00	remains in Barn Owl pellets
SE4 102	Broomhill Flash		30/04/2011 00:00	30/04/2011	terrestrial mammal	Microtus agrestis	Field Vole	0.00	0.00	0.00	441500.00	402500.00	remains in Barn Owl pellets

Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BAP Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 102	Broomhill Flash		26/03/2011 00:00	26/03/2011	terrestrial mammal	Lepus europaeus	Brown Hare	1.00	0.00	0.00	44.15.00.00	40.25.00.00	
SE4 102	Broomhill Flash		04/03/2011 00:00	04/03/2011	terrestrial mammal	Lepus europaeus	Brown Hare	1.00	0.00	0.00	44.15.00.00	40.25.00.00	
SE4 102	Broomhill Flash		21/05/2011 00:00	21/05/2011	terrestrial mammal	Lepus europaeus	Brown Hare	1.00	0.00	0.00	44.15.00.00	40.25.00.00	
SE4 102	Broomhill Flash		23/10/2011 00:00	23/10/2011	terrestrial mammal	Lepus europaeus	Brown Hare	1.00	0.00	0.00	44.15.00.00	40.25.00.00	
SE4 002		Wombwell, Barnsley MDC	25/05/2005 00:00	25/05/2005	terrestrial mammal	Chiroptera	Bats	0.00	0.00	0.00	0.00	0.00	roost probably Pipistrellus
SE4 040 25	Wombwell	Poplar Road,19	29/07/2001 00:00	29/07/2001	terrestrial mammal	Chiroptera	Bats	0.00	0.00	0.00	43.95.00.00	40.45.00.00	exit count
SE4 050 26	Wombwell	Park Hollow, 1	26/06/1994 00:00	26/06/1994	terrestrial mammal	Chiroptera	Bats	0.00	0.00	0.00	43.95.00.00	40.45.00.00	exit count
SE4 050 31	Wombwell	Park Hill Brickworks	11/04/1994 00:00	11/04/1994	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices
SE4 050 31	Wombwell	Park Hill Brickworks	29/03/2001 00:00	29/03/2001	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices
SE4 050 31	Wombwell	Park Hill Brickworks	12/10/1992 00:00	12/10/1992	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices
SE4 050 31	Wombwell	Park Hill Brickworks	09/02/1993 00:00	09/02/1993	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices
SE4 050 31	Wombwell	Park Hill Brickworks	17/03/1993 00:00	17/03/1993	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices



Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BAP Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 050 31	Wombwell	Park Hill Brickworks	21/04/1993 00:00	21/04/1993	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices
SE4 050 31	Wombwell	Park Hill Brickworks	27/05/1993 00:00	27/05/1993	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices
SE4 050 31	Wombwell	Park Hill Brickworks	23/03/1994 00:00	23/03/1994	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices
SE4 050 31	Wombwell	Park Hill Brickworks	14/09/1992 00:00	14/09/1992	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices
SE4 050 31	Wombwell	Park Hill Brickworks	23/09/1992 00:00	23/09/1992	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0.00	1.00	0.00	43.95.00.00	40.45.00.00	visual in crevices
SE4 102	Gypsy Marsh LWS	Gypsy Marsh	26/06/2010 00:00	26/06/2010	amphibian	Rana temporaria	Common Frog	0.00	1.00	0.00	44.15.00.00	40.25.00.00	
SE4 102	Gypsy Marsh LWS	Gypsy Marsh	05/08/2008 00:00	05/08/2008	amphibian	Rana temporaria	Common Frog	0.00	1.00	0.00	44.15.00.00	40.25.00.00	
SE4 080 27	'BARNLEY MBC'	Wombwell Bypass	21/07/2000 00:00	21/07/2000	terrestrial mammal	Pipistrellus pipistrellus 45kHz	45 Khz Pipistrelle	0.00	0.00	0.00	43.50.00.00	40.50.00.00	1
SE4 050 30	Park Hill Brick Pits LWS		05/07/2013 00:00	05/07/2013	terrestrial mammal	Pipistrellus pipistrellus 45kHz	45 Khz Pipistrelle	0.00	0.00	0.00	44.50.00.00	40.50.00.00	
SE4 050 30	Park Hill Brick Pits LWS		05/07/2013 00:00	05/07/2013	terrestrial mammal	Pipistrellus pipistrellus 45kHz	45 Khz Pipistrelle	0.00	0.00	0.00	44.50.00.00	40.50.00.00	feeding over lake
SE4 060 30	'BARNLEY MBC'	Park Hill Brickworks	12/07/2010 00:00	12/07/2010	terrestrial mammal	Pipistrellus pipistrellus 45kHz	45 Khz Pipistrelle	0.00	0.00	0.00	43.50.00.00	40.50.00.00	2 feeding
SE4 060 30	'BARNLEY MBC'	Park Hill Brickworks	17/08/2010 00:00	17/08/2010	terrestrial mammal	Pipistrellus pipistrellus 45kHz	45 Khz Pipistrelle	0.00	0.00	0.00	43.50.00.00	40.50.00.00	2 feeding



Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BA P Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 060 25	'BARNLEY MBC'	Wombwell	11/08/1983 00:00	11/08/1983	terrestrial mammal	Erinaceus europaeus	Hedgehog	1.00	0.00	0.00	4350.00	4050.00	
SE4 080 25	'BARNLEY MBC'	Barnsley	28/04/2016 00:00	28/04/2016	terrestrial mammal	Erinaceus europaeus	Hedgehog	1.00	0.00	0.00	4350.00	4050.00	DOR Wombwell Bypass, E end
SE4 190 25	'BARNLEY MBC'	Broomhill Park	24/10/2014 00:00	24/10/2014	terrestrial mammal	Erinaceus europaeus	Hedgehog	1.00	0.00	0.00	4350.00	4050.00	dead in car park
SE4 002	'BARNLEY MBC'	Barnsley MDC	29/03/2017 00:00	29/03/2017	terrestrial mammal	Erinaceus europaeus	Hedgehog	1.00	0.00	0.00	4350.00	4050.00	dead on road
SE4 002	'BARNLEY MBC'	Barnsley MDC	29/03/2017 00:00	29/03/2017	terrestrial mammal	Erinaceus europaeus	Hedgehog	1.00	0.00	0.00	4350.00	4050.00	dead on road
SE4 190 25	Broomhill Park, Dearne Valley	Broomhill Park	24/10/2014 00:00	24/10/2014	terrestrial mammal	Erinaceus europaeus	Hedgehog	1.00	0.00	0.00	4450.00	4050.00	Dead in car park
SE4 050 26	'BARNLEY MBC'	8 Park Hollow Wombwell	25/07/1995 00:00	25/07/1995	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0.00	1.00	0.00	4350.00	4050.00	1
SE4 040 26	'BARNLEY MBC'	7 Poplar Road Wombwell	14/07/1988 00:00	14/07/1988	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0.00	1.00	0.00	4350.00	4050.00	1
SE4 040 26	'BARNLEY MBC'	7 Poplar Road Wombwell	20/07/1988 00:00	20/07/1988	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0.00	1.00	0.00	4350.00	4050.00	1
SE4 040 26	'BARNLEY MBC'	7 Poplar Road Wombwell	20/07/1988 00:00	20/07/1988	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0.00	1.00	0.00	4350.00	4050.00	roost exit count 8
SE4 050 26	'BARNLEY MBC'	3 Park Hollow Wombwell	10/08/1991 00:00	10/08/1991	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0.00	1.00	0.00	4350.00	4050.00	roost exit count 85
SE4 002	'BARNLEY MBC'	Lundhill Road Wombwell	01/09/1994 00:00	01/09/1994	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0.00	1.00	0.00	4350.00	4050.00	1

Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BA P Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 010 23	'BARNLEY MBC'	Wombwell High School	24/06/2018 04:00:00	24/06/2018 04:00:00	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0.00	1.00	0.00	4350.00	4050.00	1
SE4 190 24	Gypsy Marsh LWS	pond area	26/06/2018 10:00:00	26/06/2018 10:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4415.00	4025.00	droppings around pond
SE4 102	Gypsy Marsh LWS	Gypsy Marsh	26/06/2018 10:00:00	26/06/2018 10:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4415.00	4025.00	
SE4 050 30	'BARNLEY MBC'	Parkhill	06/06/2018 07:00:00	06/06/2018 07:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4350.00	4050.00	field signs ditch
SE4 092 702 078	'BARNLEY MBC'	Barnsley	19/06/2018 12:00:00	19/06/2018 12:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4350.00	4050.00	Feeding pile
SE4 093 002 080	'BARNLEY MBC'	Barnsley	19/06/2018 12:00:00	19/06/2018 12:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4350.00	4050.00	Feeding pile
SE4 090 102 058	'BARNLEY MBC'	Barnsley	19/06/2018 12:00:00	19/06/2018 12:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4350.00	4050.00	Feeding pile
SE4 089 702 055	'BARNLEY MBC'	Barnsley	19/06/2018 12:00:00	19/06/2018 12:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4350.00	4050.00	Feeding pile
SE4 089 402 050	'BARNLEY MBC'	Barnsley	19/06/2018 12:00:00	19/06/2018 12:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4350.00	4050.00	Feeding pile
SE4 092 302 075	'BARNLEY MBC'	Barnsley	19/06/2018 12:00:00	19/06/2018 12:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4350.00	4050.00	Feeding pile
SE4 093 302 081	'BARNLEY MBC'	Barnsley	19/06/2018 12:00:00	19/06/2018 12:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4350.00	4050.00	Latrine
SE4 099 102 124	'BARNLEY MBC'	Barnsley	19/06/2018 12:00:00	19/06/2018 12:00:00	terrestrial mammal	Arvicola terrestris	Water Vole				4350.00	4050.00	Feeding pile



Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BAP Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 050 30	Parkhill Nature Reserve LWS	Parkhill	06/06/2007 00:00	06/06/2007	terrestrial mammal	Arvicola terrestris	Water Vole				44 05 00.00	40 35 00.00	Ditch
SE4 065 028 8	Park Hill Brick Pits LWS	Dike adjacent to Trans-Pennine-Trail on southern boundary	01/07/2005 00:00	01/07/2005	terrestrial mammal	Arvicola terrestris	Water Vole				44 50 00.00	40 50 00.00	Chewed grasses and latrines
SE4 067 033 0	Park Hill Brick Pits LWS	Dike running north to south between the two ponds	01/07/2005 00:00	01/07/2005	terrestrial mammal	Arvicola terrestris	Water Vole				44 50 00.00	40 50 00.00	Chewed grasses and latrines
SE4 072 033 1	Park Hill Brick Pits LWS	Dike running north-east towards sewage treatment plant	01/07/2005 00:00	01/07/2005	terrestrial mammal	Arvicola terrestris	Water Vole				44 50 00.00	40 50 00.00	Live animal seen
SE4 094 702 086	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Burrow
SE4 098 502 112	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Droppings
SE4 176 503 218	Broomhill Flash & Wombwell Ings LWS	Billing Dike	21/08/2013 00:00	21/08/2013	terrestrial mammal	Arvicola terrestris	Water Vole				44 50 00.00	40 50 00.00	Droppings
SE4 100 002 123	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Droppings
SE4 100 302 128	Wombwell	Elsecar Canal	16/07/2013 00:00	16/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Droppings
SE4 098 802 114	Wombwell	Elsecar Canal	16/07/2013 00:00	16/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Droppings
SE4 182 903 130	Broomhill Flash & Wombwell Ings LWS	Billing Dike	21/08/2013 00:00	21/08/2013	terrestrial mammal	Arvicola terrestris	Water Vole				44 50 00.00	40 50 00.00	Droppings
SE4 182 603 135	Broomhill Flash & Wombwell Ings LWS	Billing Dike	21/08/2013 00:00	21/08/2013	terrestrial mammal	Arvicola terrestris	Water Vole				44 50 00.00	40 50 00.00	Droppings



Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BA P Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 179 803 172	Broomhill Flash & Wombwell Ings LWS	Billing Dike	21/08/2013 00:00	21/08/2013	terrestrial mammal	Arvicola terrestris	Water Vole				44 50 00.00	40 50 00.00	Droppings
SE4 098 902 114	Wombwell	Elsecar Canal	16/07/2013 00:00	16/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Damage
SE4 099 602 117	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Damage
SE4 093 702 080	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Damage
SE4 183 503 127	Broomhill Flash & Wombwell Ings LWS	Billing Dike	21/08/2013 00:00	21/08/2013	terrestrial mammal	Arvicola terrestris	Water Vole				44 50 00.00	40 50 00.00	Feeding Pile
SE4 094 602 087	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Pile
SE4 094 302 083	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Pile
SE4 098 002 109	Wombwell	Elsecar Canal	16/07/2013 00:00	16/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Pile
SE4 095 302 089	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Pile
SE4 093 602 076	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Runs
SE4 096 902 101	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Runs
SE4 096 102 094	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Runs



Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BAP Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 095 402 089	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Runs
SE4 098 502 112	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Runs
SE4 098 802 115	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Runs
SE4 183 503 127	Broomhill Flash & Wombwell Ings LWS	Billing Dike	21/08/2013 00:00	21/08/2013	terrestrial mammal	Arvicola terrestris	Water Vole				44 50 00.00	40 50 00.00	Latrine
SE4 099 402 119	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Latrine
SE4 095 802 092	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Latrine
SE4 096 902 101	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Damage
SE4 096 102 094	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Damage
SE4 095 402 089	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Damage
SE4 098 502 112	Wombwell	Elsecar Canal	25/07/2013 00:00	25/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 95 00.00	40 45 00.00	Feeding Damage
SE4 196 029 6	Wombwell Ings NHS	Wombwell Ings	02/05/2013 00:00	02/05/2013	terrestrial mammal	Arvicola terrestris	Water Vole				44 15 00.00	40 35 00.00	Swimming across Billing Dyke.
SE4 098 802 114	'BARNLEY MBC'	Elsecar Canal	16/07/2013 00:00	16/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 50 00.00	40 50 00.00	Droppings



Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BAP Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 100 302 128	'BARNLEY MBC'	Elsecar Canal	16/07/2013 00:00	16/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 50 00.00	40 50 00.00	Droppings
SE4 098 902 114	'BARNLEY MBC'	Elsecar Canal	16/07/2013 00:00	16/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 50 00.00	40 50 00.00	Grazing
SE4 098 002 109	'BARNLEY MBC'	Elsecar Canal	16/07/2013 00:00	16/07/2013	terrestrial mammal	Arvicola terrestris	Water Vole				43 50 00.00	40 50 00.00	Feeding Pile
SE4 102	Broomhill Flash		31/05/2011 00:00	31/05/2011	terrestrial mammal	Clethrionomys glareolus	Bank Vole				44 15 00.00	40 25 00.00	remains in Barn Owl pellets
SE4 102	Broomhill Flash		30/04/2011 00:00	30/04/2011	terrestrial mammal	Clethrionomys glareolus	Bank Vole				44 15 00.00	40 25 00.00	remains in Barn Owl pellets
SE4 102	Broomhill Flash		31/03/2011 00:00	31/03/2011	terrestrial mammal	Clethrionomys glareolus	Bank Vole				44 15 00.00	40 25 00.00	remains in Barn Owl pellets
SE4 102	'BARNLEY MBC'	Everill Gate Lane	01/01/2014 00:00	01/01/2014	reptile	Natrix natrix	Grass Snake				43 50 00.00	40 50 00.00	frequently seen by road
SE4 060 303 024	Parkhill Nature Reserve LWS		28/04/2016 00:00	28/04/2016	reptile	Natrix natrix	Grass Snake				44 05 00.00	40 35 00.00	Male?
SE4 050 30	Park Hill Brick Pits LWS		05/07/2013 00:00	05/07/2013	terrestrial mammal	Myotis	Unidentified Bat	0.00	0.00	0.00	44 50 00.00	40 50 00.00	feeding over lake
SE4 050 30	Park Hill Brick Pits LWS		05/07/2013 00:00	05/07/2013	terrestrial mammal	Myotis	Unidentified Bat	0.00	0.00	0.00	44 50 00.00	40 50 00.00	
SE4 060 30	'BARNLEY MBC'	Park Hill Brickworks	12/07/2010 00:00	12/07/2010	terrestrial mammal	Pipistrellus pipistrellus 55kHz	55 Khz Pipistrelle	1.00	0.00	0.00	43 50 00.00	40 50 00.00	several feeding
SE4 060 30	'BARNLEY MBC'	Park Hill Brickworks	17/08/2010 00:00	17/08/2010	terrestrial mammal	Pipistrellus pipistrellus 55kHz	55 Khz Pipistrelle	1.00	0.00	0.00	43 50 00.00	40 50 00.00	several feeding

Grid Ref	Location	Location Name	Date	Text Date	Group	Scientific Name	Common Name	BA P Species	Wildlife and Countryside Act	Red and Amber birds	Estimating	Nothing	Comments
SE4 190 29	'BARNSELY MBC'	Broomhill Village	21/09/2012 00:00	21/09/2012	terrestrial mammal	Pipistrellus pipistrellus 55kHz	55 Khz Pipistrelle	1.00	0.00	0.00	4350.00	4050.00	hunting along village street
SE4 050 30	Park Hill Brick Pits LWS		05/07/2013 00:00	05/07/2013	terrestrial mammal	Pipistrellus pipistrellus 55kHz	55 Khz Pipistrelle	1.00	0.00	0.00	4450.00	4050.00	feeding over lake
SE4 050 30	Park Hill Brick Pits LWS		05/07/2013 00:00	05/07/2013	terrestrial mammal	Pipistrellus pipistrellus 55kHz	55 Khz Pipistrelle	1.00	0.00	0.00	4450.00	4050.00	



References & Bibliography

The Royal Society for the Protection of Birds (RSPB) (No date). Dearne Valley Old Moor. Available at: <https://www.rspb.org.uk/reserves-and-events/reserves-a-z/dearne-valley-old-moor/> [Accessed 9 August 2018].