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Habitat Survey & Protected Species Assessment Midland Road, Royston, South Yorkshire REVISION C

Landscape Architects ■ Urban Designers ■ Ecologists ■ Horticulturists
8 East Parade, Harrogate, North Yorkshire, HG1 5LT Tel: 01423 520222 Fax: 01423 565515 Email office@smeedenforeman.co.uk www.smeedenforeman.co.uk

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1.0 INTRODUCTION

Smeeden Foreman Limited has been commissioned by the Archial Group to undertake an ecological assessment of the disused Royston High School site off Midland Road in Royston, (Grid Reference SE 363 117). The area includes large areas of grassland, formerly used as playing fields and the school buildings shown on the aerial photograph were removed prior to the ecological survey being undertaken. The land where buildings previously stood has now been colonised by hardy herbaceous plants. An area currently used for car parking in association with the Civic Hall occurs to the west of the site.

The site was surveyed using the standard Phase 1 methodology, and was assessed for its potential to support protected species. Consultation has also been undertaken with relevant local record centres. The survey was undertaken on the 26th August, 2011. The proposed development includes the erection of 143 residential units, supermarket (Use Class A1), petrol filling station, additional parking for Community Campus, public open space, landscaping, access, parking and ancillary works. These proposals are included within a detailed planning application. There is also an outline planning application for a Health Centre (Use Class D1) with all matters reserved.

2.0 SITE DESCRIPTION

Located within Royston, the site is approximately 3.5 km to the north of Barnsley town centre. The site is no longer in use but previously housed Royston High School. The school buildings have now been demolished. Midland Road runs approximately 50m to the south of the old school grounds. The proposed development site is not visible from the road due to a buffer of residential properties. The site is primarily surrounded by residential properties, with Midland Road providing the main town high street.



Land for proposed development

The land to the periphery of Royston primarily comprises arable land, with Monckton Colliery located approximately 1km to the east of the proposed development site.

Notton Wood Local Nature Reserve is located approximately 1.8km to the west of the proposed site. This wooded are comprises ancient and semi-nature woodland, and ancient re-planted woodland. Carlton March Local Nature Reserve is located approximately 2km to the north east of the proposed site. The area of protected habitat supports extensive areas of wetland, which provided excellent habitat for a range of waterfowl, (ref. section 3.2).

3.0 BASELINE INFORMATION

3.1 Methodology

The ecological interest of the site has been investigated by a combination of desk study, consultation, and field survey.

Information was requested from the following organisations:

- Barnsley Biological Records Centre
- Sheffield Biological Records Centre
- South Yorkshire Bat Group

The following sources of information were consulted:

- www.magic.gov.uk (government web sites for nature conservation and environmental information)
- Barnsley Biodiversity Action Plan 2008 – 2012
- Aerial photographs

The survey was undertaken by Eleanor Sorfleet BSc MIEEM, an ecologist working for Smeeden Foreman Ltd, whom has previous experience of conducting surveys of this nature.

3.2 Nature Conservation Designated Sites

Statutory designations

There are no statutory designated sites within 2km of the proposed development site. Including: Sites of Special Scientific Interest (SSSI), Special Areas of Conservation (SAC), Special Protected Areas (SAP), and Ramsar Sites.

Notton Wood Local Nature Reserve (LNR) is located approximately 1.8km to the west of the proposed development site. A LNR is a protected area of land designated by a local authority because of its local special natural interest and/or educational value. Notton Wood has been designated as a LNR due to the presence of mixed woodland attracting a varied amount of wildlife. A stream and pond are also considered to add diversity to the site, and a large amount of dead wood provides habitat for invertebrates. Birds that have been identified within this area include woodpeckers and jays in the wood, and kingfishers and herons on the pond and stream. Butterflies include comma and speckled wood. The wood is mostly pine and larch which was commercially planted with some stands of broadleaves. There are signs of a prehistoric settlement with a ditch and an inner and outer bank in the wood.

Carlton March Local Nature Reserve is located approximately 2km to the north east of the proposed development site. The area has been afforded LNR status due to extensive areas of wetland, which provide excellent habitat for a range of waterfowl.

Non-statutory designations

Within 2km of the proposed development site there are two areas that have been designated as Sites of Biodiversity and/or Geological Interest (SBGI). Barnsley Canal SBGI is located approximately 700m to the west of the proposed site. Carlton Marsh has also been classified as a SBGI in addition to its LNR status. These areas are considered to be of local or district-wide significance, as they are considered to be important for enjoyment, study, or conservation of wildlife, geological features, and landforms.

3.3 Existing Species Records

Barnsley and Sheffield Biological Records Centres have provided records of protected species within 2km of the proposed development site, full details of which are provided within Appendix 2. An updated consultation was undertaken with Barnsley Biological Records Centre in October 2012. The records within the closest proximity to the site are listed below:

European Protected Species
The EPS records comprise:

- Noctule bat - SE 37 10 Carlton Marsh LNR – 1998 field record approximately 2km north east of the proposed site.
- Pipistrelle bat – SE 378 118 – 21.7.2012 field record approximately 1 km to the east of the site.

UK Protected Species
The UK protected species records comprise:

- Water vole – SE 37 10 – 17.06.83, 01.01.89 & 01.01.93 Carlton Marsh LNR – field record approximately 2km north east of the proposed site.
- Grass snake SE 37 11 – 22.9.2012 located 700 m south east of the site
- Bittern SE 3710 – 01.01.2005 Carlton Marsh LNR – approximately 2km north-east of the proposed site.

In addition to these protected species records, a number of Biodiversity Action Plan (BAP) listed species were found within 2 km of the proposals site. These include the bird species; cuckoo, tree pipit, yellowhammer, reed bunting, grasshopper warbler, spotted fly catcher, curlew, house sparrow, tree sparrow, grey partridge, turtle dove, lapwing and yellow wagtail. Amphibian records found within 2 km of the site were, common toad, common frog and smooth newt.

South Yorkshire Bat Group holds no records of bats within 2km of the proposed development site, (Refer to Appendix 2).

3.4 Site Habitat Survey

A walk over survey was undertaken on the 26th August, 2011. Habitat types and key species were noted and are presented in the Phase 1 Habitat format proposed by the Joint Nature Conservation Committee (1993). Refer to Figure 1.

Species-poor semi-improved grassland

The majority of the site comprises species-poor semi-improved grassland habitat; these areas are former playing fields of the school (**Target note 1**).

Floral species and grasses identified within these areas of grassland include: common dandelion *Taraxacum agg.*, Yorkshire fog *Holcus lanatus*, ribwort plantain *Plantago lanceolata*, common ragwort *Senecio jacobaea*, greater plantain *Plantago major*, spear thistle *Cirsium vulgare*, white clover *Trifolium repens*, red clover *Trifolium pratense*, perennial rygrass *Lolium perenne*, a dock species *Rumex sp.* and autumn hawkbit *Leontodon autumnalis*. From lack of management this habitat no longer represents amenity grassland and other species less typical of amenity grassland and more representative of unmanaged grassland such as common ragwort and dock have begun to colonise. Recently taken photographs of this habitat, provided by the local council show the grassland habitat prior to a cut being taken in October 2012 (see photograph below), showing that when unmanaged it is likely to be similar in structure and species diversity to the rough grassland borders at the boundaries of the site (**Target note 2,** see below); however, it is considered that the diversity of the grassland is unlikely to have increased greatly within the interim period of the survey being undertaken and as it currently stands. It is therefore considered that the grassland habitat within the site is of low conservation value.



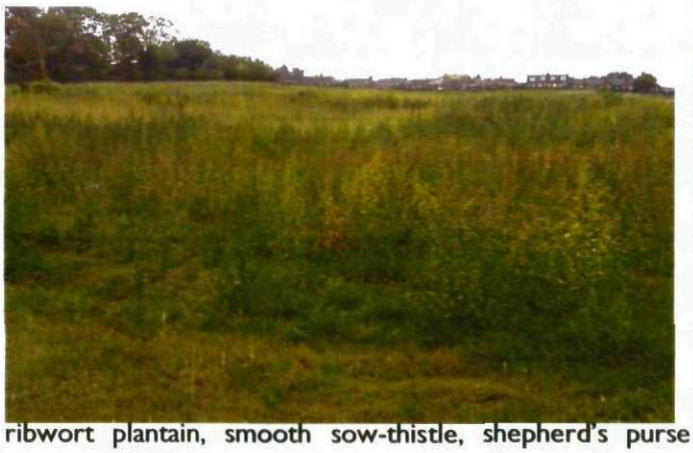
Rough Grassland



Areas of rough grassland are present around the periphery of the playing fields, (**Target note 2**). As these areas have not been mown regularly the floral diversity is greater than the areas of amenity grassland. Plant species identified in these areas include: Yorkshire fog, rough meadowgrass *Poa trivialis*, common nettles *Urtica dioica*, false oatgrass *Arhenatherum elatius*, common bent *Agrostis capillaries*, brambles *Rubus fruiticosus*, great willowherb *Epilobium hirsutum*, red clover, spear thistle, common ragwort, creeping thistle *Cirsium arvense*, mugwort *Arthemisia vulgaris*, smooth sow-thistle *Sonchus oleraceus*, creeping buttercup *Ranunculus repens*, field bindweed *Convolvulus arvensis*, hedge bindweed *Calystegia sepium*, cleavers *Galium aparine*, cow parsley *Anthriscus sylvestris*, *Brassica sp.*, common mouse-ear *Cerastium fontanum*, tansy *Tanacetum vulgare*, honeysuckle *Lonicera periclymenum*, redshank *Persicaria maculosa*, common

comfrey, elder *Sambucus nigra, rosa sp.*, holly *Ilex aquifolium*, lilac *Syringa vulgaris*, and sycamore saplings *Acer psudoplantanus.*

Ephemeral / Short Perennials



An area of ephemeral and short perennial plants have colonised the area of land that was previously occupied by the Royston High School buildings, (**Target note 3**). Plants identified within this area include: goosefoot *Chenopodium sp.*, knotgrass *Polygonum aviculare*, scented mayweed *Matricaria recutita*, creepng thistle, hedge mustard *Sisymbrium officinale*, prickly lettuce *Lactuca serriola*, ribwort plantain, smooth sow-thistle, shepherd's purse *Capsella bursa-pastoris*, perennial ryegrass, *Cardamine sp.*, common poppy *Papaver rhoeas*, yarrow *Achillea millefolium*, Timothy *Phleum pratense*, and pineappleweed *Matricaria discoidea.*

Hedgerows



Two long stretches of hedge are adjacent along the south west boundary and to the north of the proposed development site on the opposite side of Common Lane. A range of bird species were identified foraging and nesting within these areas of intact hedge.

The hedgerow adjacent to the west of the site is well established and contains a number of large trees, (**Target note 4**). Species identified within this hedge include: horse chestnut *Aesculus hippocastanum*, hawthorn *Crataegus monogyna*, holly, sycamore, ash *Fraxinus excelsior*, elder, cherry *Prunus sp.*, ivy *Hedera helix*, and lime *Tilia sp.* With ornamental species including: *Mahonia japonica, Ficus sp.*, goldfinger *Choisya ternate*, virginia creeper *Parthenocissus quinquefolia.*

A further mature hedge is located to the north of the site, alongside an unmade path, (**Target note 5**). This stretch of hedge is intact with a dense under layer of vegetation. Plants identified within this area include: ash, hawthorn, goat willow *Salix caprea*, field maple *Acer campestre*, elder, layland cypress *Cupressocyparis leyandii*, common hazel *Corylus avellana*, tansey, common nettle, broad-leaved dock *Rumex obtusifolius*, bramble, mugwort, false oatgrass, honeysuckle, hedge bindweed, bittersweet *Solanum dulcamara*, and common mallow *Malva sylvestris* These hedgerows are outwith the application site boundary and will not be affected by the proposed development.

Mature trees and wooded areas



A number of mature trees and small areas of plantation were identified in several locations around the proposed development site.
A wooded area along the east boundary (**Target note 6**), includes: black poplar *Populus nigra*, goat willow.
A birds nest was identified within this area, the nest appeared to be used by wood pigeon, (**Target note 7**).
A small stand of mature beech and sycamore trees are present along the southern boundary of the former school grounds, several immature elder were also identified within the lower storey of this group of trees, (**Target note 8**). Nesting birds were observed within the mature beech furthest east, (**Target note 7**).

A further wooded area is also present to the west of the site, (**Target note 9**). The trees identified within this planted area include: willow *Salix sp.*, ash, common hazel, cherry *Prunus sp.*, silver birch *Betula pendula*, blackthorn *Prunus spinosa*, *Rosa sp.*, dogwood *Cornus sanguinea*, and ornamental shrub.

Tree planting around the boundaries of the car parking to the west of the site includes semi-mature to mature trees with cherry, holly, sycamore and yew *Taxus baccata* recorded.

Ornamental shrub planting



A pedestrian walkway leading from Midland Road to the old school grounds is also being considered for the provision of a new access route to the proposed development. This area has been planted with a range of ornamental shrubs, (**Target note 10**). Tree and floral species within this area include: hawthorn, sycamore, London plane *Platanus x acerifolia*, ash, silver birch, common ragwort, smooth sow-thistle, ivy, brambles and common nettle.

3.5 Building Assessment

There are no buildings within the site.

3.6 Local Biodiversity Action Plan

Habitat types for which action plans have been prepared for the Barnsley Initiative include:

Upland Oakwood
Lowland Mixed Deciduous Woodland
Wet Woodland
Wood Pasture and Parkland
Hedgerows
Arable Field Margins
Floodplain Grazing Marsh
Lowland Meadows
Lowland Dry Acidic Grassland
Lowland Heathland
Upland Heathland
Blanket Bog
Purple Moor Grass and Rush Pasture
Reedbeds
Ponds
Rivers
Open Mosaic Habitats on Previously Developed Land

Of the habitats afforded Biodiversity Action Plans in Barnsley, the proposed development site should be considered to contains: Urban Built-up Areas, this habitat type should be considered within the proposed development plans, with sympathetic landscaping accounting for wildlife that is currently relaying upon this habitat type.

Protected species with Local Biodiversity Action Plans include:

Hedgehog
Bats
Water Vole
Otter
Grey Partridge
Bittern
Kestrel
Little Ringed Plover
Lapwing
Barn Owl
Skylark
Tree Sparrow
Twite
Great Crested Newt
Salmon
Bullhead
White-clawed Crayfish
Glow Worm
Dingy Skipper
Bluebell

Of the species afforded Biodiversity Action Plans in Barnsley, the proposed development site may provide suitable habitat for nesting and foraging tree sparrow. This species should be

considered throughout the construction phase, and provided for within the new development, via appropriate landscaping and the installation of nesting features.

4.0 IMPLICATIONS / RECOMMENDATIONS

4.1 Nature Conservation Designated Sites

Notton Wood Local Nature Reserve (LNR) is located approximately 1.8km to the west of the proposed development site. Carlton March Local Nature Reserve is located approximately 2km to the north east of the proposed development site.

Within 2km of the proposed development site there are two areas that have been designated as Sites of Biodiversity and or Geological Interest (SBGI). Barnsley Canal SBGI is located approximately 700m to the west of the proposed site. Carlton Marsh has also been classified as a SBGI in addition to its LNR status.

It is considered that the proposed development will not have any adverse affects on these areas of protected habitat, due to the distance between these areas and the nature of the development.

4.2 Habitats

The majority of the site comprises species-poor semi-improved grassland, which would have formerly represented amenity grassland, used as playing fields. These areas of grassland were well maintained at the time of the intial survey resulting in a short sward length, and a corresponding low botanical diversity. This grassland habitat was subject to less intensive management following the intial survey. Photographs of this habitat were provided by the local council prior to the grassland being subject to a recent cut. The grassland appeared to be similar in structure to that of the rough grassland borders found at the boundaries of the site, with tall grasses dominating with forb species typical of unmanaged grassland such as docks and ragwort. It is considered unlikely that the diversity of the grassland habitat will have increased greatly within the interim period from when the survey was undertaken and as it is currently and therefore it is considered that the grassland remains to be of low conservation value.

Areas of rough grassland are present around the periphery of the playing field. As these areas have not been mown regularly the floral diversity is greater than the areas of amenity grassland. An area of ephemeral and short perennial plants colonises the area of land that was previously occupied by school buildings. The floral species identified within these areas are indicative of unmanaged and wasteland habitat, and are considered to be of low botanical interest.

A number of mature trees and small areas of tree planting were identified in several locations around the proposed development site. A wooded area along the east boundary houses nesting birds. A small stand of mature beech and sycamore are present along the southern boundary of the former school grounds, several immature elder are also identified within the lower storey of the group of trees. Nesting birds were observed within the mature beech furthest east. A further wooded area is also present to the west. A triple stand of mature trees are located to the west of the site. A range of birds were identified foraging and nesting within the wooded areas and the mature trees punctuating the site. These trees may also provide important roosting and foraging sites for bats.

Recommendations
Indicative landscaping plans include the creation of native hedgerows within the site, which would aim to mitigate for any losses of trees and shrubs within the site and enhance site biodiversity. Diverse shrub species are proposed and include field maple *Acer campestre,* hawthorn, dog wood, hazel, beech *Fagus sylvatica,* holly, blackthorn, dog rose *Rosa canina* and guelder rose *Viburnum opulus.* Forb species will be incorporated at the proposed hedge borders. Species recommended include native bluebell *Hyacintoides non-scripta,* greater stitchwort *Stellaria holostea,* primrose *Primula vulgaris* and foxglove *Digitalis purpurea.* Where mature trees and intact hedges are to be retained tree root protection fencing should be installed throughout the construction phase, to ensure no damage to the root systems is sustained from construction traffic, and discourage the storage of construction materials.

The indicative landscape proposals also include the planting of native trees and shrubs. Species proposed include field maple, silver birch, alder *Alnus glutinosa,* hazel, dog wood, holly, blackthorn, sessile oak *Quercus petraea,* dog rose, rowan *Sorbus aucuparia* and guelder rose. Such planting will aim to mitigate any loss of trees or hedges within the site and continue to provide nesting and foraging habitat for birds and bats respectively. Where possible, plant material should be sourced from local provenance.

To mitigate for the loss of grassland habitat within the site the the indicative landscape plan incorporates areas of wildflower grassland within areas of proposed green space. The proposed mix is the Landlife Heritage Meadow mix which includes betony *Stachys officinalis,* cowslip *Primula veris,* field scabious *Knautia arvensis,* lady's bedstraw *Gallium verum,* musk mallow *Malva moschata,* oxeye daisy *Leucanthemum vulgare,* ribwort plantain *Plantago lanceolata,* wild carrot *Daucus carota* and yellow rattle *Rhinanthus minor.* The Landlife Companion Mix would also be added to provide colour within the early stages of the meadow establishment. This mix comprises corn chamomile *Anthemis arvensis* and corn poppy *Papaver rhoeas.* Once established this habitat should be subject to appropriate management, which would include an annual cut taken in late summer once flowering species have dropped seed.

4.3 Species

Refer to Appendix 1, which details the legal status of the species mentioned below.

Great Crested Newts
There are no areas of standing water within the site. The majority of the site is considered to be largely of poor quality in terms of terrestrial habitat, when amphibians are out of their ponds. The wooded areas to the east and west of the site provides potential foraging and hibernation habitat for amphibian species; however as there are no suitable ponds within 500m of the proposed development site, these areas are unlikely to support newts. No records of great crested newts were provided within 2km of the proposed development site from consultation undertaken with the Barnsley Biological Records Centre.

It is considered that the proposed development will have no adverse affect on great crested newts. No further survey for this species is therefore recommended.

Bat species
Mature trees identified within the site were considered to have the potential to support roosting bats. Trees proposed for removal within the site are immature and were not assessed as having a risk of supporting roosting bats, therefore it is not considered that there will be a direct impact upon roosting bats within the proposals.

To mitigate for the loss of potential foraging habitat around the verges, hedges and trees, recommendations include, the retention of the trees currently on site, where possible and the planting of native shrubs and trees across the site. To enhance the site in terms of roosting bats, bat boxes are recommended to be erected on retained trees at the boundaries of the site and away from well-lit areas.

Low wattage lighting should be adopted within the proposed development, where appropriate, particularly along hedges and trees, so the site remains attractive to foraging bats. If flood-lighting is required, the lighting should not directly illuminate hedges and trees. Further information on lighting in regards to bats can be obtained from the Bat Conservation Trust publication Bats and Lighting in the UK.

Badgers

No signs of badger were noted on the site. Barnsley Biological Records Centre were consulted to establish the presence of badgers within the area, no records of badgers within a 2km radius of the site were provided.

As there are no areas within the proposed development site that are considered to offer suitable habitat for badgers, it is considered that the proposed development will have no adverse affects this species. No further survey for this species is therefore recommended.

Breeding birds

During the survey, bird species recorded include: house sparrow, starling, swallow, goldfinch, wood pigeons, collared dove, wood pigeon, magpie and wren. A number of these species use the site for nesting, using the wooded areas, trees, and hedges.

Nesting birds were identified within the wooded areas of the site (**Target note 7**, Refer to Figure 1). As nesting birds are protected under The Wildlife and Countryside Act (1981), it is recommended that any vegetation clearance works is undertaken outside of the nesting season, (March to August inclusive), unless checks by an appropriately qualified ecologist have found all nests to be inactive immediately prior to works.

It would be of ecological benefit and would enhance the site if mitigation measures for breeding birds could be incorporated within the development of the site. Existing vegetation would ideally be retained, where possible, and tree and shrub planting would be incorporated within the proposed development to mitigate for any loss. The erection of nest boxes would also benefit a range of cavity nesting species, and could be erected onto retained trees within the site.

Reptiles

Barnsley Biological Records Centre provided a record of grass snake within a 2km radius of the site. No reptiles or signs of reptiles were noted on site during the walkover survey. Due to the urban location of the site and the largely unsuitable habitats within the site, it is considered that the site is largely of poor quality for reptile species. Sheffield Biological

It is considered that the proposed development will have no adverse affects on reptiles. No further surveys for these species are therefore recommended.

Water Voles

There are no water courses on site, or within close proximity, suitable for water voles. Sheffield Biological Records Centre provided three records of water vole within the local area. These records are from Carlton March LNR, due to the distance between the proposed site and this area of protected habitat it is considered that the development will have no impact upon this protected species. No further survey for this species is therefore recommended.

Other Species

There are no watercourses on site, or within close proximity suitable for otter or white-clawed crayfish. It is considered that the proposed development will have no adverse affect on otter or crayfish. No further surveys for these species are therefore recommended.

5.0 SUMMARY

Smeeden Foreman Limited has been commissioned by the Archial Group to undertake an ecological assessment of the disused Royston High School site off Midland Road in Royston, (Grid Reference SE 363 117). The site was surveyed using the standard Phase 1 methodology, and was assessed for its potential to support protected species. Consultation has also been undertaken with relevant local record centres. The survey was undertaken on the 26th August, 2011. The proposed development includes the erection of 143 residential units, supermarket (Use Class A1), petrol filling station, additional parking for Community Campus, public open space, landscaping, access, parking and ancillary works. These proposals are included within a detailed planning application. There is also an outline planning application for a Health Centre (Use Class D1) with all matters reserved.

Habitats

The majority of the site comprises species-poor semi-improved grassland, which represents a former playing field. These areas of grassland were well maintained at the time of survey resulting in a short sward length, and a low botanical diversity. Following the survey the management of this grassland has become less intensive and in between occasional cutting the grass has been allowed to grow taller and potentially similar in structure to the rough grassland borders at the boundaries of the site; however it is considered unlikely that the diversity of the grassland has greatly increased and the conservation value of the grassland on site is considered to be low.

Areas of rough grassland are present around the periphery of the former playing field. An area of ephemeral and short perennial plants have colonised the area of land that was previously occupied by the school buildings. The floral species identified within these areas are indicative of unmanaged and wasteland habitat, and are considered to be of low botanical interest.

A number of mature trees and small areas of tree planting were identified in several locations around the proposed development site. A wooded area along the east boundary houses nesting birds. A small stand of mature beech and sycamore are present along the southern boundary of the former school grounds. A further wooded area is also present to the west. To the west of the site is a triple stand of mature trees. A range of bird species were identified foraging and nesting within these areas. These trees may also provide important roosting and foraging habitat for bats.

Indicative landscaping proposals use native trees and shrubs, (Refer to section 4.2). Such planting will aim to mitigate any loss of trees or hedges within the site and continue to provide nesting and foraging habitat for birds and bats respectively. Where possible, plant materials are to be sourced from local provenance.

Landscaping plans also include the additions of species-rich native hedges (Refer to section 4.2). Where mature trees and intact hedges are to be retained tree root protection fencing should be installed throughout the construction phase, to ensure no damage to the root systems is sustained from construction traffic, and discourage the storage of construction materials.

Areas of the proposed green space will be seeded with a forb-rich neutral grassland mix, (Refer to section 4.2). Once established this habitat should be subject to appropriate management, which would include an annual cut taken in late summer once flowering species have dropped seed.

Protected Species

To mitigate for the loss of potential foraging habitat around the verges, hedges and trees, recommendations include, the retention of the trees currently on site, where possible and the planting of native shrubs and trees across the site. To enhance the site in terms of roosting bats, bat boxes are recommended to be erected on retained trees at the boundaries of the site and away from well-lit areas.

Low wattage lighting should be adopted, where appropriate, within the proposed development, particularly along hedges and trees, so the site remains attractive to foraging bats. If flood-lighting is required, the lighting should not directly illuminate hedges and trees. Further information on lighting in regards to bats can be obtained from the Bat Conservation Trust publication Bats and Lighting in the UK.

During the survey, bird species recorded include: house sparrow, starling, swallow, goldfinch, wood pigeons, collared dove, wood pigeon, magpie and wren. A number of these species may use the site for nesting, using the wooded areas, trees, and hedges, (Refer to section 4.3).
As nesting birds are protected under The Wildlife and Countryside Act (1981), it is recommended that any proposed vegetation clearance take place outside of the nesting season (March to August inclusive), unless checks by an appropriately qualified ecologist have found all nests to be inactive immediately prior to works.

It would be of ecological benefit and would enhance the site if mitigation measures for breeding birds are incorporated within the development of the site. Existing vegetation would ideally be retained and improved, where possible. The erection of nest boxes would also benefit a range of cavity nesting species, and could be erected onto retained trees within the site.

It is considered that there is no habitat on site suitable for badgers, reptiles, water voles, otters or white-clawed crayfish; in addition no signs of these protected species were identified during the initial walkover survey. It is considered that the proposed development will have no adverse affects on these species. No further surveys for these species are therefore recommended.

These mitigation measures will be included within the landscape proposals;

- Retention of mature trees and hedgerows where possible.
- Installation of tree root protection fencing along the tress and hedgerows to be retained, to prevent any encroachment of building works.
- Proposed landscaping to include native trees and shrubs to benefit local wildlife.
- Area to be seeded with wildflower mix.
- The sympathetic use of lighting within the development, where appropriate, so that the site does not become unattractive for local wildlife.
- Timings of vegetation clearance to avoid the breeding bird season.
- Bird and bat boxes to be erected.

Recommended further surveys:

- If the removal of trees and shrubs are required within the breeding bird season (March-August inclusive), checks for active nests should be carried out by an appropriately qualified ecologist prior to works commencing.

FIGURES

FIGURE 1: Phase 1 Habitat Survey Map

APPENDIX

APPENDIX 1: Legal Status of Protected Species
APPENDIX 2: Protected Species Records

FIGURE 01 – Phase 1 Habitat Plan



APPENDIX 1: LEGAL STATUS OF PROTECTED SPECIES

Great Crested Newt

The Wildlife and Countryside Act 1981 (as amended) transposes into UK law and the Convention on the Conservation of European and Wildlife and Natural Habitats (commonly referred to as the 'Bern Convention'). The 1981 Act was amended by the Countryside and Rights of Way ['CRoW'] Act 2000. The great crested newt is listed on Schedule 5 of the 1981 Act, and is therefore subject to the provisions of Section 9, which make it an offence to:

- Intentionally kill, injure of take a great crested newt [Section 9 (1)]
- Possess or control any live or dead specimen or anything derived from a great crested newt [Section 9 (2)]
- Intentionally or recklessly damage, destroy or obstruct access to any *structure or place used for shelter or protection by a great crested newt* [Section 9 (4)(a)]
- Intentionally or recklessly disturb a great crested newt while it is occupying a structure or place which it uses for that purpose [Section 9(4)(b)]

The Conservation (Natural Habitats &c.) Regulations 1994 (the Habitats Regulations) transpose into the UK law Council Directive 92/43/EEC of 21st May 1992 on the conservation of Natural Habitats and of Wild Fauna and Flora (often referred to as the 'Habitats [and Species] Directive'). The great crested newt is listed on Annex II and Annex IV of the Directive. The former Annex relates to the designation of Special Areas of Conservation (SACs) for this species; even where great crested newts occur outside SACs, the inclusion on Annex II serves to underline their conservation significance. Inclusion of the Annex IV ('European Protected Species') means that member states are required to put in place a system of strict protection as outlined in Article 12, and this is done through inclusion on Schedule 2 of the Regulations. Regulation 39 makes it an offence to:

- Deliberately capture or kill a great crested newt [Regulation 39 (1)(a)]
- Deliberately disturb a great crested newt [Regulation 39(1)(b)]
- Deliberately take or destroy the eggs of a great crested newt [Regulation 39 (1)(c)]
- Damage or destroy a breeding site or resting place of a great crested newt [Regulation 39(1)(d)]

The legislation applies to all life stages of great crested newts.

Bats

Bats and their roosts are afforded full legal protection under both UK and European legislation. The Conservation (Natural Habitats & c.) Regulations 1994 (as amended, 2007) transpose the Habitats Directive into UK law, making it an offence to-

- deliberately disturb a bat
- deliberately kill, injure or capture a bat
- damage, destroy or obstruct access to a breeding site or resting place (note this applies to both deliberate and reckless actions).

The Wildlife and Countryside Act 1981 (as amended) (Schedule 5) made it an offence to

- intentionally kill, injure or take a bat
- damage, destroy or obstruct a bat roost *,
- disturb a bat at a roost *

- possess or control a bat or any part thereof
- sell, offer for sale, possess or transport for sale any bat or part thereof
- set traps for catching, killing or injuring bats
- possess articles for the purposes of committing offences against bats

[*= intentional and reckless offences covered]

This protection applies whether bats are present within the roost at the time or not.

Badgers

Badgers and their setts are protected by the Protection of Badgers Act 1992. Under this act it is illegal to: (1) wilfully kill, injure, take a badger or attempt to do so, (2) cruelly ill-treat a badger or (3) interfere with a sett, including disturbing a badger while occupying a sett.

Breeding Birds

The Wildlife and Countryside Act 1981 (as amended) gives protection to all wild nesting birds, which makes it an offence to intentionally kill, injure, or take any wild bird or their eggs or nests. This protection applies from the moment the nest is being built. Additional protection against disturbance on the nest or of dependant young is provided for birds included on Schedule 1.

Reptiles

The Wildlife and Countryside Act 1981 makes it an offence to intentionally kill any of our native snakes and lizards. The sand lizard and smooth snake receive additional protection; for these species, it is unlawful to capture or possess them, or to damage/obstruct access to places they use for shelter or protection, or to disturb them whilst in such a place.

Otter

Otter and their habitats are given full protection under Section 9 of the Wildlife and Countryside Act 1981 (as amended). The species is also listed on Annexes II and IV of the EC Habitats Directive (Council Directive 92/43/EEC) which is implemented in the UK by The Conservation (Natural Habitats and Conservation) Regulations 1994 (as amended). It is a priority species in the UK Biodiversity Action Plan.

Water vole

Water voles are given full protection under Section 9 of the Wildlife and Countryside Act 1981 (as amended). It is a priority species in the UK Biodiversity Action Plan.

White-clawed crayfish

This species is protected under section 14 of the Wildlife and Countryside Act 1981. Designate "no-go" areas for the keeping of non-native crayfish under the Import of Live Fish (England and Wales) Act 1980 and the Import of Live Fish (Scotland) Act 1978.

APPENDIX 2: PROTECTED SPECIES RECORDS

Records Search - Barnsley Records Centre

Grid Ref	Date	Group	Scientific Name	Common Name	BAP Species	Wildlife and Countryside Act	Red and Amber birds
SE3710	23/02/1994	amphibian	Bufo bufo	Common Toad	1	1	0
SE3710	03/03/1995	amphibian	Bufo bufo	Common Toad	1	1	0
SE370124	01/01/2011	bird	Botaurus stellaris	Bittern	1	1	1
SE376121	03/07/2011	bird	Botaurus stellaris	Bittern	1	1	1
SE3710	26/06/1996	bird	Botaurus stellaris	Bittern	1	1	1
SE3710	07/07/1996	bird	Botaurus stellaris	Bittern	1	1	1
SE3710	04/08/1996	bird	Botaurus stellaris	Bittern	1	1	1
SE3710	01/09/1996	bird	Botaurus stellaris	Bittern	1	1	1
SE3711	22/09/2012	reptile	Natrix natrix	Grass Snake	1	1	0
SE3711	22/09/2012	reptile	Natrix natrix	Grass Snake	1	1	0
SE3710	01/01/1988	terrestrial mammal	Nyctalus noctula	Noctule	1	1	0
SE3710	01/01/1988	terrestrial mammal	Nyctalus noctula	Noctule	1	1	0
SE377124	03/07/2011	bird	Anthus trivialis	Tree Pipit	1	0	1
SE3710	14/05/2002	bird	Anthus trivialis	Tree Pipit	1	0	1
SE3710	28/03/1996	bird	Anthus trivialis	Tree Pipit	1	0	1
SE3710	21/04/1996	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	01/06/1996	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	24/06/1996	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	19/07/1996	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	30/03/1997	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	01/04/1997	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	29/05/1997	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	01/06/1997	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	20/07/1997	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	18/04/1998	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	02/05/1998	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	22/05/1999	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	08/06/2001	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	25/06/2003	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	02/08/1994	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	06/08/1994	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	18/08/2003	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	09/06/2004	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	09/06/2004	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	17/06/1983	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	01/01/1989	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	01/01/1993	bird	Cuculus canorus	Cuckoo	1	0	1
SE372115	01/01/2004	bird	Cuculus canorus	Cuckoo	1	0	1
SE370124	09/10/2005	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	01/01/2009	bird	Cuculus canorus	Cuckoo	1	0	1
SE3610	01/01/2009	bird	Cuculus canorus	Cuckoo	1	0	1
SE351101	01/01/2009	bird	Cuculus canorus	Cuckoo	1	0	1
SE354102	14/01/2009	bird	Cuculus canorus	Cuckoo	1	0	1
SE381121	10/10/2012	bird	Cuculus canorus	Cuckoo	1	0	1
SE354118	01/01/2000	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	03/09/1994	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	23/08/1996	bird	Cuculus canorus	Cuckoo	1	0	1

SE3710	31/08/1996	bird	Cuculus canorus	Cuckoo	1	0	1
SE3710	18/05/1989	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	15/04/1996	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	13/06/1996	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	01/07/1996	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	09/08/1996	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	01/05/1997	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	17/06/1997	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	01/07/1997	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	22/04/1998	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	03/05/1998	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	06/06/1998	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	19/04/1999	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	01/05/1999	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	05/08/1999	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	08/08/1999	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	25/04/2000	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	13/06/2000	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	06/07/2000	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	29/04/2001	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	01/05/2001	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	01/06/2001	bird	Emberiza citrinella	Yellowhammer	1	0	1
SE3710	22/04/2002	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	01/05/2002	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	01/06/2002	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	15/04/2003	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	17/05/2003	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	01/06/2003	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	01/07/2003	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	15/05/2004	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	15/05/2004	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	05/07/2004	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	05/07/2004	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	29/05/2011	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	01/03/1994	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	11/11/1994	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	01/04/1996	bird	Emberiza schoeniclus	Reed Bunting	1	0	1
SE3710	01/08/1996	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	11/11/1996	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	18/04/1997	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/10/1997	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	16/01/1998	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	19/07/1998	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	29/12/1998	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	23/01/1999	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	13/03/1999	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	31/03/1999	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	04/04/1999	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/05/1999	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	07/05/2001	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	17/02/2002	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	29/03/2002	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/04/2002	bird	Locustella naevia	Grasshopper Warbler	1	0	1

SE3710	01/01/2005	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3612	17/03/2011	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	19/11/1989	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	22/04/1994	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/04/1996	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/08/1996	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	*01/04/1997*	*bird*	*Locustella naevia*	*Grasshopper Warbler*	*1*	*0*	*1*
SE3710	01/10/1997	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	23/01/1998	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	11/07/1998	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/04/1999	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/05/1999	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/04/2000	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	27/04/2001	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	07/05/2001	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	11/06/2001	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/01/2005	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	18/05/1989	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/06/1993	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	29/04/1994	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	20/04/1996	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	25/06/1996	bird	Locustella naevia	Grasshopper Warbler	1	0	1
SE3710	01/07/1996	bird	Muscicapa striata	Spotted Flycatcher	1	0	1
SE3710	27/07/1996	bird	Muscicapa striata	Spotted Flycatcher	1	0	1
SE3710	15/04/1997	bird	Muscicapa striata	Spotted Flycatcher	1	0	1
SE3710	16/04/1997	bird	Muscicapa striata	Spotted Flycatcher	1	0	1
SE3710	16/05/1997	bird	Muscicapa striata	Spotted Flycatcher	1	0	1
SE3710	22/05/1997	bird	Muscicapa striata	Spotted Flycatcher	1	0	1
SE3710	*09/08/1997*	*bird*	*Muscicapa striata*	*Spotted Flycatcher*	*1*	*0*	*1*
SE3710	20/08/1997	bird	Muscicapa striata	Spotted Flycatcher	1	0	1
SE3710	24/04/1999	bird	Muscicapa striata	Spotted Flycatcher	1	0	1
SE3710	14/06/1999	bird	Muscicapa striata	Spotted Flycatcher	1	0	1
SE3710	10/07/1999	bird	Numenius arquata	Curlew	1	0	1
SE3710	29/04/2000	bird	Numenius arquata	Curlew	1	0	1
SE3710	30/07/2000	bird	Numenius arquata	Curlew	1	0	1
SE3710	29/04/2001	bird	Numenius arquata	Curlew	1	0	1
SE3710	03/05/2001	bird	Numenius arquata	Curlew	1	0	1
SE3710	02/07/2001	bird	Numenius arquata	Curlew	1	0	1
SE3710	04/08/2001	bird	Numenius arquata	Curlew	1	0	1
SE3710	06/04/2002	bird	Numenius arquata	Curlew	1	0	1
SE3710	21/04/2002	bird	Numenius arquata	Curlew	1	0	1
SE3710	25/04/2002	bird	Numenius arquata	Curlew	1	0	1
SE3710	01/05/2002	bird	Numenius arquata	Curlew	1	0	1
SE3710	11/06/2002	bird	Numenius arquata	Curlew	1	0	1
SE3710	01/06/2003	bird	Numenius arquata	Curlew	1	0	1
SE3710	14/07/2003	bird	Numenius arquata	Curlew	1	0	1
SE3710	17/04/2004	bird	Numenius arquata	Curlew	1	0	1
SE3710	23/04/2004	bird	Numenius arquata	Curlew	1	0	1
SE3710	01/05/2004	bird	Numenius arquata	Curlew	1	0	1
SE3710	01/05/2004	bird	Numenius arquata	Curlew	1	0	1
SE3710	01/06/2004	bird	Numenius arquata	Curlew	1	0	1
SE3710	01/06/2004	bird	Numenius arquata	Curlew	1	0	1
SE3710	01/07/2004	bird	Numenius arquata	Curlew	1	0	1

SE3710	01/07/2004	bird	Numenius arquata	Curlew	1	0	1
SE3710	01/01/2005	bird	Numenius arquata	Curlew	1	0	1
SE3710	08/07/1994	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	15/09/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	27/09/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	18/09/1997	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	18/07/1999	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	26/09/2000	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	22/08/2001	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	16/08/2004	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	22/09/2012	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	22/09/2012	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	10/03/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	18/03/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	25/03/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	04/07/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	06/07/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	19/08/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	29/08/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	04/09/1996	bird	Passer domesticus	House Sparrow	1	0	1
SE3710	28/03/1997	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	08/04/1997	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	08/03/1998	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	03/07/1998	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	18/08/1998	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	25/08/1998	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	31/03/1999	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	11/04/1999	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	11/03/2000	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	15/07/2000	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	25/03/2001	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	30/03/2001	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	12/04/2002	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	08/03/2003	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	05/07/2003	bird	Passer montanus	Tree Sparrow	1	0	1
SE3710	14/08/1993	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	10/09/1993	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	01/01/1994	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	01/04/1996	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	01/10/1996	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	01/10/1997	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	21/01/1999	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	29/12/2000	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	26/11/2001	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	28/01/2002	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	24/04/2002	bird	Perdix perdix	Grey Partridge	1	0	1
SE358113	09/07/2003	bird	Perdix perdix	Grey Partridge	1	0	1
SE363099	25/01/2009	bird	Perdix perdix	Grey Partridge	1	0	1
SE3611	01/05/2009	bird	Perdix perdix	Grey Partridge	1	0	1
SE3611	29/05/2009	bird	Perdix perdix	Grey Partridge	1	0	1
SE3611	10/11/2009	bird	Perdix perdix	Grey Partridge	1	0	1
SE3611	10/11/2009	bird	Perdix perdix	Grey Partridge	1	0	1
SE3711	23/02/2012	bird	Perdix perdix	Grey Partridge	1	0	1

SE3710	01/06/1993	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	01/03/1994	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	22/11/1994	bird	Perdix perdix	Grey Partridge	1	0	1
SE3710	22/08/1996	bird	Streptopelia turtur	Turtle Dove	1	0	1
SE3710	20/10/1996	bird	Streptopelia turtur	Turtle Dove	1	0	1
SE3710	09/11/1996	bird	Streptopelia turtur	Turtle Dove	1	0	1
SE3710	22/11/1996	bird	Streptopelia turtur	Turtle Dove	1	0	1
SE3710	15/12/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	11/03/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	10/05/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	17/09/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	01/03/1998	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	01/12/1998	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	23/01/1999	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	29/01/1999	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	01/01/1994	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	15/06/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	28/08/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	03/10/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	12/11/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	23/12/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	29/09/1998	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	02/10/1998	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	08/11/1998	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	01/02/1999	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	25/04/2000	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	02/05/2000	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	28/07/2000	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	17/10/2000	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	04/11/2000	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	01/05/2001	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	22/07/2001	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	01/01/2005	bird	Vanellus vanellus	Lapwing	1	0	1
SE372102	16/10/2011	bird	Vanellus vanellus	Lapwing	1	0	1
SE372102	23/02/2012	bird	Vanellus vanellus	Lapwing	1	0	1
SE3711	22/09/2012	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	11/06/1994	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	18/06/1994	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	26/05/1998	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	31/05/1998	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	18/02/1994	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	01/04/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	03/09/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	06/10/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	16/11/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	01/12/1996	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	13/01/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	02/02/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	25/06/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	20/07/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	25/08/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	25/08/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	01/09/1997	bird	Vanellus vanellus	Lapwing	1	0	1

SE3710	01/10/1997	bird	Vanellus vanellus	Northern Lapwing	1	0	1
SE3710	24/11/1997	bird	Vanellus vanellus	Lapwing	1	0	1
SE3710	27/12/1997	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	04/01/1998	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	03/02/1998	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	01/03/1998	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	01/04/1998	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	01/05/1998	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	01/07/1998	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	26/08/1998	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	28/11/1998	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	12/12/1998	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	02/01/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	23/01/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	01/03/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	03/04/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	10/04/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	26/06/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	31/07/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	17/10/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	22/11/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE3710	17/12/1999	bird	Motacilla flava subsp. flavissima	Yellow Wagtail	1	0	0
SE377115	27/07/2002	insect - butterfly	Coenonympha pamphilus	Small Heath	1	0	0
SE378118	21/07/2012	terrestrial mammal	Micromys minutus	Harvest Mouse	1	0	0
SE380114	13/07/2002	terrestrial mammal	Micromys minutus	Harvest Mouse	1	0	0
SE3711	22/09/2012	terrestrial mammal	Micromys minutus	Harvest Mouse	1	0	0
SE380114	13/07/2002	terrestrial mammal	Micromys minutus	Harvest Mouse	1	0	0
SE377115	20/06/2002	terrestrial mammal	Micromys minutus	Harvest Mouse	1	0	0
SE3710	21/12/2002	amphibian	Rana temporaria	Common Frog	0	1	0
SE3710	04/02/2003	amphibian	Rana temporaria	Common Frog	0	1	0
SE3710	01/03/2003	amphibian	Rana temporaria	Common Frog	0	1	0
SE3710	01/01/2005	amphibian	Rana temporaria	Common Frog	0	1	0
SE3710	01/07/2001	amphibian	Triturus vulgaris	Smooth Newt	0	1	0
SE3710	01/10/1996	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/11/1996	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/12/1996	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/03/1997	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	25/03/1997	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	10/06/1997	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/08/1997	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/09/1997	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/10/1997	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/11/1997	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/01/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	10/02/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	31/03/1998	bird	Alcedo atthis	Kingfisher	0	1	1

SE3710	10/04/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	21/05/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	08/06/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/07/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	15/08/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/09/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/10/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/11/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	06/12/1998	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/01/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/03/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/06/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	03/07/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	31/08/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/09/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/10/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	08/11/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/01/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/02/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/03/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	22/05/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/06/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	19/07/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	21/08/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/09/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	27/10/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/11/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/12/2000	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	07/01/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	05/02/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/03/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/03/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	05/06/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/07/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/08/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/09/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/10/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/11/2001	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	18/02/2002	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/03/2002	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	20/06/2002	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/07/2002	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/08/2002	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/09/2002	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/10/2002	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/12/2002	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	14/01/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/02/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	22/03/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	23/06/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	28/06/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/07/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/09/2003	bird	Alcedo atthis	Kingfisher	0	1	1

SE3710	24/10/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/11/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/12/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	30/03/2004	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	01/12/2004	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	19/10/1994	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	23/01/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	16/10/1999	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	02/09/2003	bird	Alcedo atthis	Kingfisher	0	1	1
SE3710	09/04/2000	bird	Anas acuta	Pintail	0	1	1
SE3710	23/03/1996	bird	Anas acuta	Pintail	0	1	1
SE3710	13/10/1996	bird	Anas acuta	Pintail	0	1	1
SE3710	22/03/1997	bird	Anas acuta	Pintail	0	1	1
SE3710	01/09/1999	bird	Anas querquedula	Garganey	0	1	1
SE3710	01/04/2000	bird	Anser anser	Greylag Goose	0	1	1
SE3710	26/09/2000	bird	Anser anser	Greylag Goose	0	1	1
SE3710	18/03/2001	bird	Anser anser	Greylag Goose	0	1	1
SE3710	20/05/2001	bird	Anser anser	Greylag Goose	0	1	1
SE3710	21/09/2001	bird	Anser anser	Greylag Goose	0	1	1
SE3710	22/10/2001	bird	Anser anser	Greylag Goose	0	1	1
SE3710	25/03/2002	bird	Anser anser	Greylag Goose	0	1	1
SE3710	19/11/1989	bird	Anser anser	Greylag Goose	0	1	1
SE3710	07/04/1994	bird	Anser anser	Greylag Goose	0	1	1
SE3710	20/10/1994	bird	Anser anser	Greylag Goose	0	1	1
SE3710	06/03/1996	bird	Anser anser	Greylag Goose	0	1	1
SE3710	01/01/1997	bird	Bucephala clangula	Goldeneye	0	1	1
SE3710	02/04/1999	bird	Bucephala clangula	Goldeneye	0	1	1
SE3710	01/11/1999	bird	Bucephala clangula	Goldeneye	0	1	1
SE3710	02/04/2002	bird	Cygnus columbianus	Bewick's Swan	0	1	1
SE3710	06/03/2011	bird	Cygnus columbianus	Bewick's Swan	0	1	1
SE3710	06/03/2011	bird	Cygnus cygnus	Whooper Swan	0	1	1
SE3710	06/01/1994	bird	Cygnus cygnus	Whooper Swan	0	1	1
SE3710	29/10/1994	bird	Cygnus cygnus	Whooper Swan	0	1	1
SE3710	18/11/1994	bird	Cygnus cygnus	Whooper Swan	0	1	1
SE3710	19/04/1996	bird	Cygnus cygnus	Whooper Swan	0	1	1
SE3710	30/12/1996	bird	Falco columbarius	Merlin	0	1	1
SE3710	04/08/1997	bird	Falco columbarius	Merlin	0	1	1
SE3710	28/01/1998	bird	Falco columbarius	Merlin	0	1	1
SE3710	18/11/2000	bird	Falco columbarius	Merlin	0	1	1
SE3710	05/01/2002	bird	Falco columbarius	Merlin	0	1	1
SE3710	30/12/1997	bird	Falco columbarius	Merlin	0	1	1
SE3710	17/07/1998	bird	Falco columbarius	Merlin	0	1	1
SE3710	21/07/1998	bird	Falco columbarius	Merlin	0	1	1
SE3710	17/10/1999	bird	Falco columbarius	Merlin	0	1	1
SE3710	19/08/2000	bird	Falco peregrinus	Peregrine	0	1	1
SE3710	06/11/1994	bird	Falco peregrinus	Peregrine	0	1	1
SE3710	01/10/1997	bird	Falco peregrinus	Peregrine	0	1	1
SE3710	19/11/1998	bird	Falco peregrinus	Peregrine	0	1	1
SE3710	23/10/2001	bird	Falco peregrinus	Peregrine	0	1	1
SE3710	27/12/2003	bird	Fringilla montifringilla	Brambling	0	1	1
SE3710	31/08/1994	bird	Fringilla montifringilla	Brambling	0	1	1
SE3710	15/07/2003	bird	Fringilla montifringilla	Brambling	0	1	1
SE3710	26/03/1994	bird	Fringilla montifringilla	Brambling	0	1	1

SE3710	23/04/1994	bird	Fringilla montifringilla	Brambling	0	1	1
SE3710	08/05/1994	bird	Limosa limosa	Black-Tailed Godwit	0	1	1
SE3710	20/07/1996	bird	Limosa limosa	Black-Tailed Godwit	0	1	1
SE3710	10/05/1997	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	07/07/1997	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	02/08/1999	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	13/05/2000	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	15/07/2003	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	02/08/2003	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	09/08/2003	bird	*Numenius phaeopus*	Whimbrel	0	1	1
SE3710	26/04/1997	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	30/05/2002	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	30/03/2003	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	13/01/2003	bird	Numenius phaeopus	Whimbrel	0	1	1
SE3710	29/04/2004	bird	Pandion haliaetus	Osprey	0	1	1
SE3710	01/08/1994	bird	Pandion haliaetus	Osprey	0	1	1
SE3710	04/07/1996	bird	Pandion haliaetus	Osprey	0	1	1
SE3710	20/08/1996	bird	Regulus ignicapillus	Firecrest	0	1	1
SE3710	23/08/1996	bird	Sterna albifrons	Little Tern	0	1	1
SE3710	28/08/1996	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	01/09/1996	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	17/05/1997	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	22/08/1997	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	27/08/1997	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	02/09/1997	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	27/09/1997	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	16/08/1998	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	01/09/1998	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	27/08/2000	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	05/08/2001	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	29/08/2001	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	18/09/2001	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	17/08/2002	bird	*Tringa nebularia*	Greenshank	0	1	1
SE3710	24/08/2002	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	03/09/2002	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	27/12/1989	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	02/07/1994	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	15/09/1994	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	04/03/1996	bird	Tringa nebularia	Greenshank	0	1	1
SE3710	23/04/1996	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	20/08/1996	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	02/09/1996	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	14/09/1996	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	02/10/1996	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	13/01/1997	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	06/04/1997	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	05/07/1997	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	01/08/1997	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	04/09/1997	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	26/07/1998	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	01/08/1998	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	02/09/1998	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	18/09/1998	bird	Tringa ochropus	Green Sandpiper	0	1	1

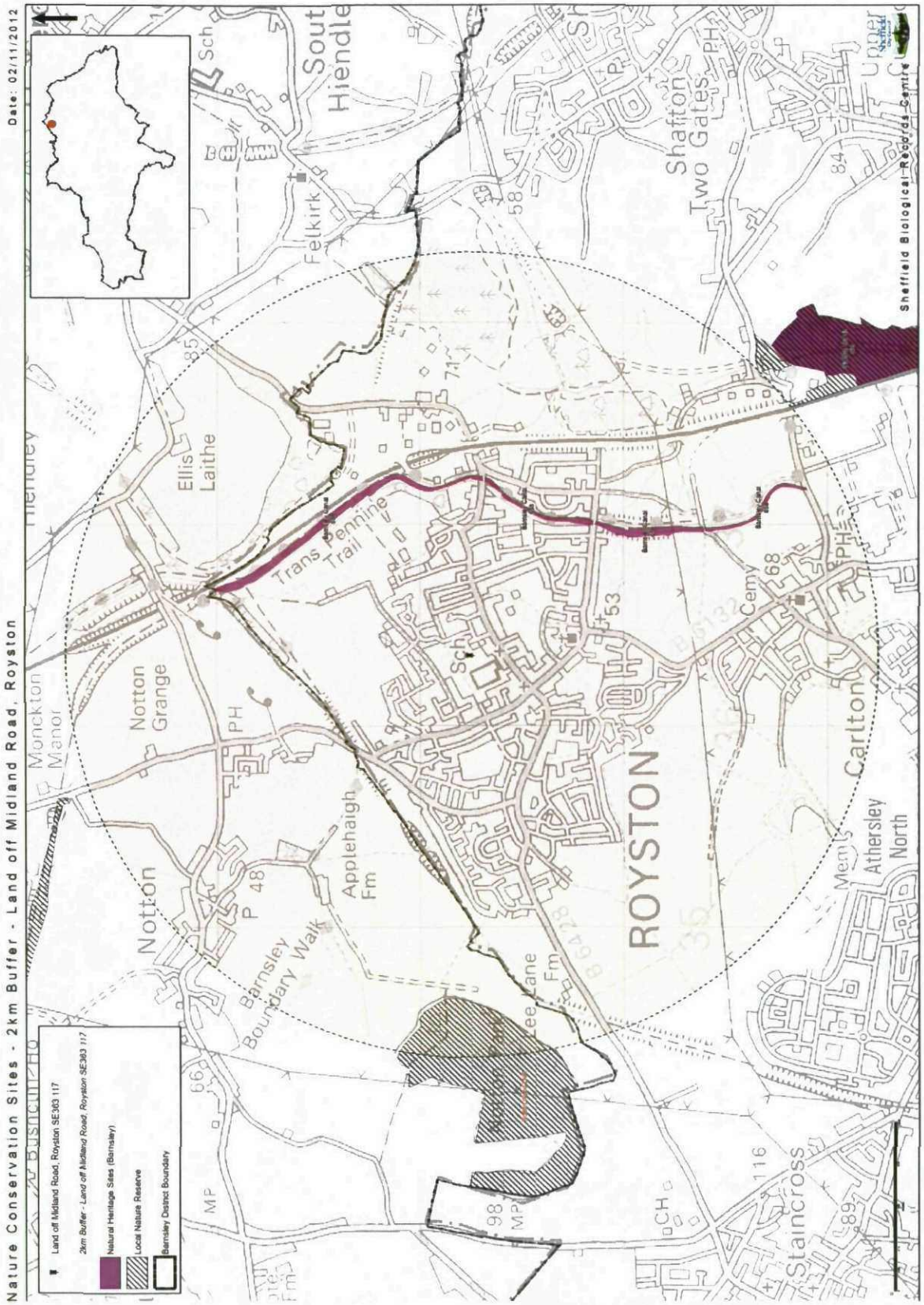
SE3710	06/10/1998	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	19/04/1999	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	31/07/1999	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	04/08/1999	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	01/09/1999	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	05/09/1999	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	30/09/2000	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	26/08/2001	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	12/04/2002	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	05/08/2002	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	08/08/2003	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	26/09/2003	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	28/07/2004	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	28/07/2004	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	04/08/2004	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	19/11/1989	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	27/12/1989	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	04/02/1994	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	26/09/1994	bird	Tringa ochropus	Green Sandpiper	0	1	1
SE3710	15/04/1996	bird	Turdus iliacus	Redwing	0	1	1
SE3710	30/09/1996	bird	Turdus iliacus	Redwing	0	1	1
SE3710	11/10/1996	bird	Turdus iliacus	Redwing	0	1	1
SE3710	20/10/1996	bird	Turdus iliacus	Redwing	0	1	1
SE3710	23/02/1997	bird	Turdus iliacus	Redwing	0	1	1
SE3710	14/03/1997	bird	Turdus iliacus	Redwing	0	1	1
SE3710	12/10/1997	bird	Turdus iliacus	Redwing	0	1	1
SE3710	01/11/1997	bird	Turdus iliacus	Redwing	0	1	1
SE3710	13/12/1997	bird	Turdus iliacus	Redwing	0	1	1
SE3710	17/01/1998	bird	Turdus iliacus	Redwing	0	1	1
SE3710	23/02/1998	bird	Turdus iliacus	Redwing	0	1	1
SE3710	23/03/1998	bird	Turdus iliacus	Redwing	0	1	1
SE3710	19/04/1998	bird	Turdus iliacus	Redwing	0	1	1
SE3710	05/10/1998	bird	Turdus iliacus	Redwing	0	1	1
SE3710	26/10/1998	bird	Turdus iliacus	Redwing	0	1	1
SE3710	08/11/1998	bird	Turdus iliacus	Redwing	0	1	1
SE3710	12/12/1998	bird	Turdus iliacus	Redwing	0	1	1
SE3710	20/01/1999	bird	Turdus iliacus	Redwing	0	1	1
SE3710	12/02/1999	bird	Turdus iliacus	Redwing	0	1	1
SE3710	02/03/1999	bird	Turdus iliacus	Redwing	0	1	1
SE3710	20/03/1999	bird	Turdus iliacus	Redwing	0	1	1
SE3710	09/10/1999	bird	Turdus iliacus	Redwing	0	1	1
SE3710	17/10/1999	bird	Turdus iliacus	Redwing	0	1	1
SE3710	20/11/1999	bird	Turdus iliacus	Redwing	0	1	1
SE3710	11/12/1999	bird	Turdus iliacus	Redwing	0	1	1
SE3710	24/02/2000	bird	Turdus iliacus	Redwing	0	1	1
SE3710	19/03/2000	bird	Turdus iliacus	Redwing	0	1	1
SE3710	14/10/2000	bird	Turdus iliacus	Redwing	0	1	1
SE3710	30/10/2000	bird	Turdus iliacus	Redwing	0	1	1
SE3710	04/11/2000	bird	Turdus iliacus	Redwing	0	1	1
SE3710	16/12/2000	bird	Turdus iliacus	Redwing	0	1	1
SE3710	01/01/2001	bird	Turdus iliacus	Redwing	0	1	1
SE3710	15/02/2001	bird	Turdus iliacus	Redwing	0	1	1
SE3710	03/03/2001	bird	Turdus iliacus	Redwing	0	1	1

SE3710	01/04/2001	bird	Turdus iliacus	Redwing	0	1	1
SE3710	21/09/2001	bird	Turdus iliacus	Redwing	0	1	1
SE3710	27/10/2001	bird	Turdus iliacus	Redwing	0	1	1
SE3710	24/11/2001	bird	Turdus iliacus	Redwing	0	1	1
SE3710	01/12/2001	bird	Turdus iliacus	Redwing	0	1	1
SE3710	01/01/2002	bird	Turdus iliacus	Redwing	0	1	1
SE3710	01/03/2002	bird	Turdus iliacus	Redwing	0	1	1
SE3710	03/04/2002	bird	Turdus iliacus	Redwing	0	1	1
SE3710	03/11/2002	bird	Turdus iliacus	Redwing	0	1	1
SE3710	01/12/2002	bird	Turdus iliacus	Redwing	0	1	1
SE3710	09/01/2003	bird	Turdus iliacus	Redwing	0	1	1
SE3710	21/02/2003	bird	Turdus iliacus	Redwing	0	1	1
SE3710	20/03/2003	bird	Turdus iliacus	Redwing	0	1	1
SE3710	05/04/2003	bird	Turdus iliacus	Redwing	0	1	1
SE3710	18/04/2003	bird	Turdus iliacus	Redwing	0	1	1
SE3710	13/10/2003	bird	Turdus iliacus	Redwing	0	1	1
SE3710	18/10/2003	bird	Turdus iliacus	Redwing	0	1	1
SE3710	01/11/2003	bird	Turdus iliacus	Redwing	0	1	1
SE3710	07/12/2003	bird	Turdus iliacus	Redwing	0	1	1
SE3710	10/01/2004	bird	Turdus iliacus	Redwing	0	1	1
SE3710	20/03/2004	bird	Turdus iliacus	Redwing	0	1	1
SE3710	13/04/2004	bird	Turdus iliacus	Redwing	0	1	1
SE3710	09/10/2004	bird	Turdus iliacus	Redwing	0	1	1
SE3710	07/11/2004	bird	Turdus iliacus	Redwing	0	1	1
SE3710	29/12/2004	bird	Turdus iliacus	Redwing	0	1	1
SE3512	17/03/2011	bird	Turdus iliacus	Redwing	0	1	1
SE3710	19/11/1989	bird	Turdus iliacus	Redwing	0	1	1
SE3710	27/12/1989	bird	Turdus iliacus	Redwing	0	1	1
SE3710	01/04/1994	bird	Turdus iliacus	Redwing	0	1	1
SE3710	06/10/1994	bird	Turdus iliacus	Redwing	0	1	1
SE3710	13/04/1996	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	20/10/1996	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	24/10/1996	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	19/02/1997	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	05/03/1997	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	19/04/1997	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	12/10/1997	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	25/10/1997	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	01/11/1997	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	27/12/1997	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	24/01/1998	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	18/02/1998	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	01/03/1998	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	26/04/1998	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	01/10/1998	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	07/11/1998	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	08/11/1998	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	12/12/1998	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	01/01/1999	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	12/02/1999	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	29/03/1999	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	11/04/1999	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	25/04/1999	bird	Turdus pilaris	Fieldfare	0	1	1

SE3710	16/10/1999	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	17/10/1999	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	20/11/1999	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	31/12/1999	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	18/02/2000	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	21/03/2000	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	30/10/2000	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	08/11/2000	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	24/12/2000	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	16/01/2001	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	16/02/2001	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	26/03/2001	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	01/05/2001	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	16/10/2001	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	27/10/2001	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	17/11/2001	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	04/12/2001	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	24/02/2002	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	09/03/2002	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	11/04/2002	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	03/11/2002	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	21/12/2002	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	09/01/2003	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	09/02/2003	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	30/03/2003	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	01/04/2003	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	24/04/2003	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	13/10/2003	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	25/10/2003	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	01/11/2003	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	07/12/2003	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	24/01/2004	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	22/02/2004	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	18/03/2004	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	09/10/2004	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	30/10/2004	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	06/11/2004	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	29/12/2004	bird	Turdus pilaris	Fieldfare	0	1	1
SE372102	23/02/2012	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	01/03/1994	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	16/04/1997	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	02/08/1997	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	11/01/1998	bird	Turdus pilaris	Fieldfare	0	1	1
SE3710	24/04/1998	bird	Tyto alba	Barn Owl	0	1	1
SE3710	10/04/2000	bird	Tyto alba	Barn Owl	0	1	1
SE3710	13/05/2000	bird	Tyto alba	Barn Owl	0	1	1
SE3710	18/09/2001	bird	Tyto alba	Barn Owl	0	1	1
SE3710	29/03/2002	bird	Tyto alba	Barn Owl	0	1	1
SE3710	16/09/2002	bird	Tyto alba	Barn Owl	0	1	1
SE3710	17/10/2002	bird	Tyto alba	Barn Owl	0	1	1
SE3710	28/01/2003	bird	Tyto alba	Barn Owl	0	1	1
SE3710	07/02/2003	bird	Tyto alba	Barn Owl	0	1	1
SE3710	07/07/2003	bird	Tyto alba	Barn Owl	0	1	1

SE3710	02/01/2004	bird	Tyto alba	Barn Owl	0	1	1
SE370111	02/07/1995	bird	Tyto alba	Barn Owl	0	1	1
SE354118	02/08/2000	bird	Tyto alba	Barn Owl	0	1	1
SE352117	22/07/2002	bird	Tyto alba	Barn Owl	0	1	1
SE366113	25/05/2007	bird	Tyto alba	Barn Owl	0	1	1
SE377113	17/09/2002	bird	Accipiter gentilis	Goshawk	0	1	0
SE377113	19/09/2002	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE3610	19/04/1988	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE363116	18/05/1988	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE3610	01/08/1990	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE364104	02/08/1990	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE363106	20/07/1991	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE3610	27/07/1991	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE364104	20/06/1992	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE350115	31/05/1994	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE370111	03/07/1995	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE363106	20/11/1995	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE3610	29/04/1998	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE363099	31/03/1999	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE377113	17/09/2002	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE377113	19/09/2002	bird	Charadrius dubius	Little Ringed Plover	0	1	0
SE358113	31/08/2010	bird	Falco subbuteo	Hobby	0	1	0
SE3710	27/03/1978	bird	Falco subbuteo	Hobby	0	1	0
SE3613	01/04/1979	bird	Falco subbuteo	Hobby	0	1	0
SE380121	03/07/2011	bird	Falco subbuteo	Hobby	0	1	0
SE380114	03/07/2011	bird	Falco subbuteo	Hobby	0	1	0
SE3711	22/09/2012	terrestrial mammal	Chiroptera	Bats	0	1	0
SE379117	27/06/2012	terrestrial mammal	Chiroptera	Bats	0	1	0
SE3711	22/09/2012	terrestrial mammal	Chiroptera	Bats	0	1	0
SE379117	27/06/2012	terrestrial mammal	Chiroptera	Bats	0	1	0
SE382115	12/07/2002	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0	1	0
SE379117	27/06/2012	terrestrial mammal	Myotis daubentoni	Daubenton's Bat	0	1	0
SE382115	20/06/2002	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE380114	13/07/2002	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE380114	13/07/2002	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE378118	21/07/2012	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE382115	12/07/2002	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE377115	27/07/2002	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE379117	27/06/2012	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE379117	07/07/2012	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE378118	21/07/2012	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE379117	27/06/2012	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE378118	21/07/2012	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE379117	07/07/2012	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	0	1	0
SE378118	21/07/2012	terrestrial mammal	Pipistrellus pipistrellus 45kHz	45 Khz Pipistrelle	0	1	0
SE380114	13/07/2002	terrestrial mammal	Pipistrellus pipistrellus 45kHz	45 Khz Pipistrelle	0	1	0
SE380114	13/07/2002	terrestrial mammal	Pipistrellus pipistrellus 45kHz	45 Khz Pipistrelle	0	1	0

Designated nature sites with 2 km of the proposed site



Records provided by South Yorkshire Bat Group – from within a 2 km radius of the proposed development site:

Further to your request for all bat records around a two kilometre radius of grid references SK363117 the South Yorkshire Bat Group Database was searched for bat records within the following grid squares:

SE3413 SE3513 SE3613 SE3713 SE3813 SE3412 SE3512 SE3612 SE3712 SE3812
SE3411 SE3511 SE3611 SE3711 SE3811 SE3410 SE3510 SE3610 SE3710 SE3810
SE3409 SE3509 SE3609 SE3709 SE3809

Sadly there were no records revealed for this search area.