

EASTERGATE ECOLOGY

ECOLOGICAL SUMMARY REPORT

Prepared for Linden Homes

by

Hankinson Duckett Associates

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hankinson duckett associates

The Stables, Howbery Park, Benson Lane, Wallingford, Oxfordshire, OX10 8BA

Hankinson Duckett Associates Limited Registered in England & Wales 3462810 Registered Office: The Stables, Howbery Park, Benson Lane, Wallingford, OX10 8BA

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1 INTRODUCTION

1.1 Site location and summary description

1.1.1 This document describes an ecological assessment of the proposed development of approximately 6.4ha of land at Eastergate, West Sussex, hereinafter referred to as the application site. The application site centre is located by National Grid Reference SU 948055. The study was commissioned by Linden Homes in November 2013.

1.1.2 The application site is located on the northern edge of Eastergate. It is bordered to the south by Barnham Road with residential development beyond; to the east by areas of unmanaged former commercial orchard; to the west by an area of rough grassland with scattered scrub, beyond which lies adjacent to residential development fronting Fontwell Avenue and Collins Close; and to the north by unmanaged former commercial orchard and farmland. The location and boundary of the application site are shown in Figure 1.

1.1.3 The application site comprises a former commercial fruit farm characterised by areas of unmanaged orchard interspersed by managed species-poor semi-improved grassland fields and areas of species-poor semi-improved grassland/ scrub mosaic. Field boundaries within and around the application site generally comprise fences and mature tree lines.

1.2 Development proposals

1.2.1 Proposed development at the application site comprises an outline planning application for development of 60 residential dwellings with new vehicular access, open space and other ancillary works. The location and extent of proposals are shown on the *Illustrative Masterplan* included as Annex A.

1.3 Scope and purpose of the report

1.3.1 This study brings together the results of all ecological survey work carried out at the application site in the context of development proposals described in Section 1.2 above.

1.3.2 Specifically, the aims of this study are:

- i. To assess the nature conservation value of habitats within the site;
- ii. To assess the likely presence of protected or notable species;
- iii. To identify constraints to development due to the above, and to identify the likely ecological effects of development;
- iv. To identify appropriate measures to avoid or minimise the ecological effects of development, and where effects are unavoidable, to develop proposals to mitigate or compensate for these effects.

2 METHODOLOGY

2.1 Desk study

2.1.1 As part of an Ecological Appraisal (HDA, 2013) carried out for the site, existing ecological and nature conservation data relevant to the site was collated from various sources including the 'Multi Agency Geographic Information for the Countryside' (MAGIC) online database (<http://magic.defra.gov.uk>) and Sussex Biological Records Centre (SxBRC). This included a search for records of protected and notable species occurring within 2km of the application site and a check for statutory designated areas within 10km of the application site. The desk study is summarised below and the full results are given in Appendix A.

2.2 Field surveys

2.2.1 Also as part of the Ecological Appraisal (HDA, 2013), an extended Phase 1 Habitat survey (JNCC, 2007) was carried out by Anna Senior MCIEEM on 14th June 2013. The survey boundary included the application site and contiguous areas to the east and west of the site comprising the 'wider survey area' and totalling 11.5ha. The main habitat types and features within the survey area were recorded and detailed target notes made, including habitat features and a list of vascular plant species noted. Botanical names follow Stace (2011) for higher plants. The results of the extended Phase 1 Habitat survey are summarised in Section 3 of this report.

2.2.2 The desk study and extended Phase 1 Habitat Survey identified the potential for protected and notable species and habitats to occur within the application site and wider survey area. Specialist surveys for bats, Dormice, Badgers, reptiles, invertebrates and orchards were subsequently undertaken between July 2013 and June 2014. The results of these surveys are summarised in this report and full copies of the assessments are given in the accompanying appendices. These include:

- HDA (2014) Eastergate Ecology: Bat Survey Report. Hankinson Duckett Associates, June 2014. (Appendix D).
- HDA (2014) Eastergate Ecology: Dormouse Survey Report. Hankinson Duckett Associates, June 2014. (Appendix E).
- HDA (2014) Eastergate Ecology: Badger Survey. Hankinson Duckett Associates, February 2014. (Appendix F).
- HDA (2013) Atherstone Ecology: Reptile Survey. Hankinson Duckett Associates, November 2013. (Appendix G).
- ECOSA (2014) Land at Eastergate, West Sussex: Phase 2 Invertebrate Assessment. ECOSA, July 2014. (Appendix H).
- HDA (2013) Eastergate Ecology: Orchard Survey. Hankinson Duckett Associates, December 2013. (Appendix C).

2.2.3 In addition to these surveys, where appropriate, recommendations have been made in this report for survey work to be updated at an appropriate stage prior to development commencing in order to provide up-to-date information on the presence of protected species potentially occurring at the application site and confirm requirements for mitigation in relation to the detailed design.

2.3 Evaluation Criteria

2.3.1 The evaluation of the application site, and the habitats within it, is based on the results of the field surveys described above, any designations pertaining to the application site and existing ecological information collected during the desk study.

2.3.2 Each ecological resource (site, habitat, species or feature) was assigned a value at the following geographic scales (IEEM, 2006):

- International
- UK
- National (England/ Scotland/ Wales/ Northern Ireland)
- Regional
- County / Metropolitan
- District / Borough
- Local/ Parish
- within immediate zone of influence only (negligible)

2.3.3 Assigning value is relatively straightforward in the case of designated sites, and undesignated sites meeting designation criteria. However, in most cases evaluation of ecological resources is not straightforward and requires a degree of knowledge, training, experience and professional judgement (Usher, 1986; Spellerberg, 1992). Evaluation of an ecological resource was based on a number of criteria (Ratcliffe, 1977; IEEM 2006); these are summarised in Annex B.

2.3.4 The potential for protected species and habitats and species of principal importance identified under Section 41 of the 2006 NERC Act to be present within the application site has been assessed based on the findings of the specialist ecological surveys, the habitats and features present and the results of the desk study.

3 BASELINE CONDITIONS

3.1 Introduction

3.1.1 The following section summarises the findings of the desk study and extended Phase 1 Habitat Survey, and outlines the findings of specialist surveys carried out at the application site.

3.2 Desk study

3.2.1 The following section summarises the findings of the desk study. The original data and plans showing the locations of designated sites are given in Appendix A.

Designated Sites

3.2.2 No statutory or non-statutory nature conservation designations pertain to the application site. This is confirmed by information from the MAGIC online database and SxBRC.

Statutory designated areas

3.2.3 Two internationally protected areas are located within 10km of the application site. These are:

- Duncton to Bignor Escarpment Special Area of Conservation (SAC) located approximately 7.6km to the north-east of the application site. This is an area of *Asperulo-Fagetum* Beech forest occurring on a range of steep scarp slopes and more gently-sloping hillsides in mosaic with Ash woodland, scrub and grassland. The woodland supports a range of rare ground flora species along with a rich mollusc fauna.
- Pagham Harbour Special Protection Area (SPA) / Ramsar site located approximately 9.7km to the south-west of the application site, comprising an extensive central area of salt marsh and tidal mudflats, with surrounding habitats including lagoons, shingle, open water, reed swamp and wet permanent grassland. The area supports internationally important populations of wintering birds including Brent Goose and Ruff as well as breeding populations of Common and Little Tern.

3.2.4 Two biological Sites of Special Scientific Interest (SSSIs) are located within 5km of the application site. These are:

- Halnaker Chalk Pit SSSI located 3.9km to the north-west of the application site, comprising a partly vegetated pit in the Upper Chalk with peripheral areas of scrub and woodland. The area is most significant for its population of the nationally rare and vulnerable Broad-leaved Cudweed which comprises approximately 50% of the total British population; and
- Fairmile Bottom SSSI located 4.3km to the north-east of the application site which includes Yew woodland and unimproved chalk grassland supporting a rich invertebrate fauna with an outstanding diversity of beetles.

3.2.5 No National Nature Reserves (NNRs) or Local Nature Reserves (LNRs) are located within the search area.

Non-statutory designated areas

- 3.2.6 Two Sites of Nature Conservation Importance (SNCIs) are located within the desk study area. These are:
- Fontwell Park Racecourse SNCI, located 650m to the north of the application site which includes areas of very species rich grassland managed as hay meadow; and
 - Slindon Woods SNCI, located 1.6km to the north of the application site, comprising ancient woodland which exhibits high species diversity due to its location over varied substrates.
- 3.2.7 A Notable Road Verge (NRV), designated for its special wildlife interest, was also identified by SxBRC within the search area. This is located along the north side of Barnham Road approximately 70m to the south-west of the application site. No further details of the NRV were provided but it is likely to be noted for its plant assemblages.
- 3.2.8 Twelve areas of woodland listed on Natural England's Inventory of Ancient Woodland are located within 2km of the application site. The closest to the application site is Wandleys Copse, listed as ancient and semi-natural woodland and located approximately 1km to the north-east of the application site.
- 3.2.9 Although not a designation as such, SxBRC and the Magic online database identify parts of the application site as being included on the People's Trust for Endangered Species (PTES) Traditional Orchard Inventory. These areas total approximately 3.1ha and are located across the application site (Appendix A). The quality of the orchard habitats within the application site were subject to a specific study carried out by HDA in September 2014 (Appendix C), the findings of which are given in Section 3.3 of this report. No other Biodiversity Action Plan (BAP) priority habitats were identified from the application site during the desk study.

Natural Area

- 3.2.10 Natural England (NE) has sub-divided England into 120 areas, each with a characteristic association of wildlife and natural features. These are known as Natural Areas, covering the entire country. They are descriptions and are not designations. The application site is located in the South Coast Plain and Hampshire Lowlands Natural Area
- 3.2.11 The South Coast Plain and Hampshire Lowlands Natural Area profile identifies a number of key habitats that characterise the Natural Area, none of which are present within the application site.

3.2.12 The South Coast Plain and Hampshire Lowlands Natural Area profile also identifies priority species such as Brown Hare, Dormouse and Pipistrelle bat. This report considers the potential presence of such species in the habitats identified at the application site.

3.2.13 The Natural Area profile proposes a number of objectives that contribute to Natural England's vision for the South Coast Plain and Hampshire Lowlands Natural Area. The objectives potentially most relevant to this application site are:

"To prevent further loss of and maintain all semi-natural habitats in the Natural Area and to enhance and where appropriate expand the most important and characteristic habitats including, unimproved neutral grasslands, heathland, semi-natural woodland, intertidal mudflats, saltmarsh and saline lagoons.

"To maintain and enhance the wildlife value of the wider countryside to retain the essential character of the Natural Area and provide ecological links and corridors between semi-natural habitats and maintain and expand populations of key species."

Biodiversity Action Plan (BAP)

3.2.14 The UK Biodiversity Action Plan (UKBAP, 2012) lists species and habitats which have undergone significant declines in recent years and for which conservation is a priority in order to preserve biodiversity in the UK. The BAPs provide a list of actions to be implemented to halt or reverse these declines.

3.2.15 These species and habitats are identified as Habitats and Species of Principal Importance under Section 41 of the 2006 NERC Act. Section 40 of the 2006 NERC Act, the National Planning Policy Framework (NPPF, 2012) and planning guidance requires that these species are a material consideration when determining planning applications.

3.2.16 The Sussex Biodiversity Action Plan (LBAP) includes BAPs for habitats and species considered of biodiversity importance within the county. Examples of habitats listed within the BAP which are relevant to the application site include Traditional Orchards and Hedgerows. Priority species/ species groups listed in the action plan include Barn Owl and Stag Beetle amongst others.

3.2.17 The LBAP lists a number of objectives and actions for each individual action plan. Examples of these which are relevant to the proposed development include:

'Seek to increase the numbers of native, species-rich hedgerows in favourable condition in Sussex'

'Maintain overall numbers of hedgerow trees at least at current levels by marking existing trees to allow to grow on as standards and encouraging new planting, in line with landscape guidelines'

Protected and Notable Species

- 3.2.18 No records of protected species provided during the desk study pertain to the application site, however, data provided by SxBRC has shown that there are records of protected and notable species in the vicinity of the application site including bats, Dormouse, Great Crested Newt, reptiles, Brown Hare and Hedgehog, in addition to notable bird and plant species.

Bats

- 3.2.19 Seventeen bat records were provided for the desk study area including Common Pipistrelle, Serotine and Brown Long-eared bat as well as undetermined species. The closest records to the application site were of an individual undetermined Pipistrelle bat from a residential area of Eastergate approximately 100m south of the application site.
- 3.2.20 All UK bat species are 'European Protected Species' (EPSs) protected under The Conservation of Habitats and Species Regulations 2010 (as amended), which implements the EC Habitats Directive 92/43/EEC in the United Kingdom. In relation to EPS, the 2010 Regulations make it an offence to:
- Deliberately capture, injure or kill any wild animal of an EPS.
 - Deliberately disturb wild animals of any such species, in particular any disturbance which is likely to: (i) impair their ability to survive, to breed or reproduce, or to rear or nurture their young; or to hibernate or migrate; (ii) affect significantly the local distribution or abundance of the species to which they belong.
 - Damage or destroy a breeding site or resting place of such an animal.
 - To (a) be in possession of, or to control; (b) to transport any live or dead animal or any part of an animal; (c) to sell or exchange or (d) offer for sale or exchange any live or dead animal or part of an animal of an EPS.
- 3.2.21 In addition, all UK bat species are protected through their inclusion on Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) and are subject to the provisions of Sections 9.4a and 9.4b, which make it an offence to:
- Intentionally or recklessly damage, destroy or obstruct access to any structure or place used for shelter or protection by a bat.
 - Intentionally or recklessly disturb a bat while it is occupying a structure or place which it uses for that purpose.
- 3.2.22 Seven species of bat (Barbastelle, Bechstein's, Noctule, Soprano Pipistrelle, Brown Long-eared, Greater Horseshoe and Lesser Horseshoe) are included as priority species on the UKBAP. One of these species, Brown Long-eared bat, has been recorded within 2km of the application site. Pipistrelle bats are Priority Species on the LBAP, and Common

Pipistrelle and Greater Horseshoe bats are key species in the South Coast Plain and Hampshire Lowlands Natural Area.

Dormice

3.2.23 Two records of Dormouse were provided for the desk study area, both pertaining to a location at Wandleys Copse approximately 1.1km to the north-east of the application site.

3.2.24 The Dormouse is a European Protected Species through the Conservation of Habitats and Species Regulations 2010 (as amended) and protected under Schedule 5 of the Wildlife and Countryside Act 1981 (as amended). As such, this species is subject to the provisions listed under Sections 3.2.20 and 3.2.21 above. Dormouse is also a Priority Species on the UKBAP and a key species in the South Coast Plain and Hampshire Lowlands Natural Area.

Water Vole

3.2.25 Four records of Water Vole were provided for the desk study area, with the closest pertaining to a location near Barnham Court approximately 2km to the south-east of the application site.

3.2.26 The Water Vole has, since April 1998, received limited legal protection through its inclusion on Schedule 5 of the Wildlife and Countryside Act 1981, and full protection following an amendment to the legislation in 2008. It is also a BAP Priority Species for the UK and Sussex, and a key species in the South Coast Plain and Hampshire Lowlands Natural Area.

Brown Hare

3.2.27 Two records of Brown Hare were provided for the desk study area, the closest from a 1km grid square at least 1km to the north-east of the application site. Brown Hare is a priority species on the UKBAP.

Hedgehog

3.2.28 Twenty-six records of Hedgehog were provided for the desk study area, the closest of these originating approximately 200m from the application site's south-western boundary. Hedgehog is listed as a Priority Species on the UKBAP.

Birds

3.2.29 All birds are protected under the Wildlife and Countryside Act 1981. The desk study identified a large number of bird species within the search area. Some of these species are UK BAP Priority Species and/or RSPB Red and Amber list species. Red list species

are generally those whose population or range is declining rapidly whilst Amber List species are generally those declining moderately (RSPB, 2009).

3.2.30 Records of bird species provided for the desk study area include:

- Ten species listed under Schedule 1 of the Wildlife and Countryside Act 1981 (Common Crossbill, Hobby, Barn Owl, Dartford Warbler, Montagu's Harrier, Red Kite, Osprey, Redwing, Fieldfare and Whimbrel);
- Five species listed in Annex I of Council Directive 79/409/EEC the conservation of wild birds (White Stork, Peregrine Falcon, Short-eared Owl, Little Egret and Golden Plover);
- Sixteen species listed as Red list species (RSPB, 2009), i.e. generally those species whose population or range is declining rapidly;
- Thirty-three species listed as Amber list species (RSPB, 2009), i.e. generally those declining moderately or those with small breeding populations within the UK; and
- Fourteen species listed as Priority Species on the UKBAP.

3.2.31 A full list of the bird records received for the search area is provided in Appendix A.

Reptiles

3.2.32 Thirty-six records of reptiles were provided for the desk study area. The closest record to the application site is of a Grass Snake located along a footpath through farmland approximately 500m to the south-west of the application site. There is also of record of Adder from the grid square SU9505 which falls to the immediate east of the application site.

3.2.33 All native reptiles are protected against killing and injuring under the Wildlife and Countryside Act 1981 and are listed as Priority Species on the UKBAP. The Sand Lizard and Smooth Snake are European protected species through the EC Habitats Directive 1992 as implemented by the Conservation of Habitats and Species Regulations 2010 (as amended), and Sand Lizard is included on the IUCN Red List of Threatened Species as declining species, albeit of 'least concern' (IUCN, 2014).

Great Crested Newts

3.2.34 One record of Great Crested Newt was supplied for the desk study area, pertaining to a 1km grid square at least 900m to the south-west of the application site. The record dates from 1992.

3.2.35 The Great Crested Newt is a European Protected Species through the Conservation of Habitats and Species Regulations 2010 (as amended) and protected under Schedule 5 of the Wildlife and Countryside Act 1981 (as amended). As such, this species is subject to

the provisions listed under Sections 3.2.20 and 3.2.21 above. Great Crested Newt is also a Priority Species on the UKBAP and LBAP and listed as a key species on the South Coast Plain and Hampshire Lowlands Natural Area profile.

Invertebrates

- 3.2.36 Records of twenty-five notable invertebrate species were provided for the desk study area. These included Purple Emperor and Pearl-bordered Fritillary (both protected against sale under Schedule 5 of the Wildlife and Countryside Act 1981) and 19 species listed as Priority Species on the UKBAP and LBAP (Pearl-bordered Fritillary, Wall, Small Heath, Grizzled Skipper, White Admiral, Lackey, Oak Hook-tip, Blood-Vein, White Ermine, Buff Ermine, Cinnabar, Small Square-spot, Shoulder-striped Wainscot, Knot Grass, Mouse Moth, Rosy Rustic, Rustic, Mottled Rustic and White-Spotted Pinion). The majority of the records relate to a location at Walberton approximately 1.3km to the north-west of the application site.

Plants and lichens

- 3.2.37 Recent records of 28 plant and lichen species of conservation concern were provided for the desk study area, none of which pertain to the application site itself. The records provided during the desk study include four species listed as Priority Species on the UKBAP (Corn Cleavers, Lesser Smoothcap, Tubular Water-Dropwort and the lichen *Opegrapha prosodea*) and include three plant species listed as Nationally Rare (a Hawkweed, Box and Corn Cleavers) and 14 species listed as Nationally Scarce (Scots Pine, Italian Arum, Annual Beard-grass, Great Water-Parsnip, Fine-Leaved Fumitory, Stinking Hellebore, Small-leaved Lime, the mosses *Atrichum angustatum* and *Grimmia decipiens* and the lichens *Dirina stenhammari*, *Ramalina pollinaria*, *Opegrapha prosodea*, *Calicium lenticulare* and *Leptogium biatorinum*).

Other species

- 3.2.38 No records of other protected or notable species, such as Otter or White-clawed Crayfish, were provided for the desk study area.

3.3 Field Surveys

Habitats

General description

- 3.3.1 The results of the extended Phase 1 Habitat survey are presented in map form (Figure 2) with target notes in Appendix B. A brief non-technical description of the application site's habitats and features is given below. Numbers in brackets refer to target notes. Further information on the orchard habitat resource of the application site is given in Appendix C.

- 3.3.2 In general terms, the application site comprises part of a former commercial fruit farm characterised by areas of unmanaged orchard interspersed by fields of managed species-poor semi-improved grassland and areas of species-poor semi-improved grassland/ scrub mosaic. Field boundaries within and around the application site generally comprise fences and mature tree lines.

Orchard

- 3.3.3 The application site features several areas of orchard (5, 9, 10, 12, 13, 19, 20) which have been out of management for a number of years and are now highly overgrown with scrub. These areas generally comprise mature Apple and Plum trees, many of which are dead or dying, and standing and fallen deadwood is frequent. No replacement generation of fruit trees is present. Occasional Pedunculate Oak and Ash trees are present and scrub is proliferating throughout all the orchard areas with species comprising Ivy, Bramble, Blackthorn, Elder, Dog-rose, Hawthorn and Dogwood which are creating highly shaded conditions. Ruderal species dominate around the edges of the orchard areas and include Nettle, Creeping Thistle, Cow Parsley, Hogweed, Hedge Bindweed, Ivy and Cleavers.
- 3.3.4 Extensive unmanaged orchard areas of a similar condition and composition are located within the wider survey area to the east of the application site (23) and extend northwards from the application site.
- 3.3.5 A specific survey of the orchard resource of the application site was carried out by HDA in September 2013, the findings of which are provided in the Orchard Survey Report given in Appendix C and summarised in Figure 7.
- 3.3.6 The survey found that the area of the application site shown as 'Traditional Orchard' on the PTES inventory does not reflect the distribution of orchard habitats within the application site, especially in relation to Area A (Figure 7) in the west which is best described as a scrub/ grassland mosaic with areas of remnant fruit tree planting. The areas of the application site actually meeting Natural England's broad definition of orchard habitat (i.e. at least five trees with crown edges less than 20m apart) is shown on Figure 7 (Natural England, 2007).
- 3.3.7 Although areas of the application site do fall within Natural England's broad description of orchard habitats, these areas are generally in poor condition and no area of the application site comprises high quality orchard. The nature conservation interest of the existing orchard areas is generally limited by a number of factors including:
- poor age structure and dominance of dead or dying trees;
 - lack of recent management and smothering by scrub;

- poor quality and low species diversity of ground flora and
- absence of associated habitats of high nature conservation interest.

Scattered trees

- 3.3.8 Aside from those located within the unmanaged orchard areas described above, scattered trees are found occasionally within scrub areas around the application site and include Sycamore, Balsam Poplar, Bird Cherry, Cypress and a number of ornamental species. Mature trees, including Pedunculate Oak trees (26) and a line of Hybrid Black Poplar trees (8) are also located along the western application site boundary and a line of mature Hornbeam trees (11) form a dense line along the eastern edge of an access track which extends northwards out of the application site.

Species-poor semi-improved grassland

- 3.3.9 Areas of species-poor semi-improved grassland are present throughout the application site (3, 6, 15, 22) all in current management through mowing. The grassland areas are generally dominated by grass species including Yorkshire Fog, Rough Meadowgrass, Annual Meadowgrass, Red Fescue and Cock's-foot with forbs frequently including Meadow Buttercup, Creeping Buttercup, Selfheal, White Clover, Creeping Thistle, Lesser Stitchwort, Nettle, Marsh Thistle, Common Ragwort, Common Mouse-ear, Ground-ivy and Germander Speedwell. A small number of Common Spotted-orchids were recorded within grassland in the south-western part of the application site (6).

- 3.3.10 In several parts of the application site the species-poor semi-improved grassland forms a mosaic with scattered scrub and unmanaged orchard patches (10, 13). The grasslands in these areas typically contain Yorkshire Fog, Rough Meadowgrass, False Oatgrass, Cock's-foot, Common Ragwort, Ground-ivy, Creeping Buttercup, Wood Dock, Common Mouse-ear and Field Forget-me-not with scattered patches of Hawthorn and Elder scrub. Regular mown paths lead through the grassland/ scrub mosaic.

Hedgerow

- 3.3.11 A dense species-poor defunct hedgerow is located along the western boundary of the application site (26). It is unmanaged and growing to a height of 7m. The hedgerow primarily comprises Blackthorn with some Elder also present. A series of mature Pedunculate Oak trees are located along the hedge line.

Scrub

- 3.3.12 In addition to the scrub present within the unmanaged orchard areas described above, further areas of scrub are located throughout the application site. A band of dense mature Hawthorn scrub is located in the south-west of the application site with some

Elder present and Nettle dominant below (7). The ground flora in this area also contains Cleavers, Ivy, Lords-and-ladies and Enchanter's Nightshade.

- 3.3.13 In the central part of the application site an area of dense scrub has established around a series of derelict buildings and greenhouses (17). Species within the area include Butterfly Bush, Creeping Thistle, Lesser Burdock, Ivy and Bramble. Elsewhere around the application site patches of scrub form a mosaic with species-poor semi-improved grassland and generally include species such as Hawthorn, Bramble, Elder and Dog-rose (2, 10, 13).

Ruderal vegetation

- 3.3.14 Patches of ruderal vegetation are found around the edges of the unmanaged orchard areas and scrub patches that dominate the application site (2, 4, 5, 19). Species dominating these areas include Nettle, Creeping Thistle, White Deadnettle, Lesser Burdock, Teasel, Red Campion and Ivy.

Introduced shrub

- 3.3.15 A dense band of well-established Cherry Laurel is found in the southern part of the application site (4), located on the application site boundary and continuing northwards into the site along the access track. The shrub band grows up to 5-6m high and the ground layer is heavily shaded with dominant Ivy.

Buildings

- 3.3.16 A collection of old farm buildings are located in the centre of the application site (1), including a brick barn with a corrugated tin roof in good condition and an assortment of partially collapsed derelict brick and corrugated iron barns and sheds that are becoming overgrown with Bramble, Elder and hawthorn scrub.

Species

Bat Survey (Figures 4, 5 and 6 and Appendix D)

- 3.3.17 Two buildings (B1 and B2) and four trees (T1, T2, T3 and T11) located within the application site were identified as having potential to support roosting bats during the 2013 Phase 1 Bat survey. Both buildings and all trees of BCT Category 1 or higher potential to support roosting bats were subsequently subject to Phase 2 dusk emergence surveys in August and September 2013 in accordance with the Bat Conservation Trust 2012 guidelines (BCT, 2012). No active bat roosts were recorded.
- 3.3.18 The dusk activity transects and automated surveys conducted at the application site between July 2013 and May 2014 revealed a low level of site usage by relatively small

numbers of foraging and commuting bats. Altogether, at least six species were identified during the surveys including Common Pipistrelle, Soprano Pipistrelle, Serotine, Leisler's, Noctule and *Myotis* bats. Common Pipistrelle was the most frequently recorded species across the survey area, with activity concentrated along the southern application site boundary in association with street lighting along Bromham Road. Soprano Pipistrelle activity was similarly distributed throughout the application site but overall numbers were lower. Serotine, Leisler's, Noctule and *Myotis* bats were recorded only briefly on a few occasions during the surveys which suggests the application site only forms a very small part of a much wider foraging area for individuals of these species and is highly unlikely to be of significant value as a commuting route. Summaries of the bat activity recorded at the application site during the emergence and activity surveys are provided in Figures 5 and 6.

3.3.19 The full findings of the bat survey are given in Appendix D.

Dormouse Survey (Appendix E)

3.3.20 Although areas of suitable Dormice habitat, including orchard, scrub and hedgerow, are present within the application site, the habitat connections linking suitable habitats within the application site to those in the wider area are limited and areas of extensive suitable habitat are distant from the application site. No evidence of Dormouse was identified within the application site or wider survey area during the nest tube survey carried out at the application site between July 2013 and May 2014, and it is considered extremely unlikely that Dormice are present within the application site.

3.3.21 The full findings of the Dormouse survey are given in Appendix E.

Badger Survey (Figure 7 and Appendix F)

3.3.22 The Badger survey recorded three Badger setts within the application site, including:

- One **annex sett** (Sett B) located within an area of unmanaged orchard in the north-east of the application site comprising three well used, four partially used and two disused holes. Fresh bedding, tracks and hairs present between some of the holes confirmed recent use by Badgers.
- Two **outlying setts** (Setts C and E) both located within unmanaged orchard in the west of the application site. Sett C was an active sett comprising one partially used hole with Badger hairs and dung pits recorded nearby. Sett E was a disused sett comprising two holes, both of which showed no signs of recent use by Badgers at the time of the survey.

3.3.23 Two further Badger setts were recorded within the wider area outside the application site. These included a main sett (Sett A) approximately 60m to the north of the application site

boundary comprising 11 entrances of which five were well used, five partially used and one disused, and an outlying sett (Sett D), located approximately 100m to the east of the application site comprising one disused entrance.

3.3.24 A moderate level of Badger activity was recorded across the application site with several Badger paths, droppings and foraging signs recorded. Habitats within the application site of most value to Badgers include the unmanaged orchards, scrub and grassland habitats however extensive habitats of a similar quality to those within the application site continue to the north, east and west of the application site.

3.3.25 The locations of the Badger setts and evidence of activity recorded at the application site are shown on Figure 7 and the full results of the survey are provided in Appendix F.

Reptile Survey (Appendix G)

3.3.26 Although the application site is dominated by habitats of high suitability for reptiles, such as rough grassland and scrub edges, no reptiles were recorded within the application site or wider survey area during the reptile survey and it is considered highly unlikely that the application site supports reptiles on a regular basis.

3.3.27 The full findings of the reptile survey are given in Appendix G.

Birds

3.3.28 The hedgerows, scrub, trees and built structures at the application site offer nesting opportunities for a number of bird species and birds incidentally recorded during the suite of ecological surveys carried out at the application site include common and widespread species such as Blue Tit, Wren, Dunnock, Willow Tit, Woodpigeon, Song Thrush, Chiffchaff, Blackbird, Blackcap, Magpie, Bullfinch, Spotted Flycatcher, Linnet, Crow, Robin, Great Spotted Woodpecker and Great Tit. It is considered that the application site supports a number of breeding birds typical of woodland edge, farmland and garden habitats, however due to the relatively small size of the application site and the abundance of similar habitat in the wider area the application site is unlikely to be of local importance for this group.

Invertebrates (Appendix H)

3.3.29 The following invertebrates of interest were recorded at the application site during the Phase 2 invertebrate survey carried out between July 2013 and June 2014:

- Small Heath *Coenonympha pamphilus*, a UKBAP priority species associated with short sward grassland. Although this species remains common and reasonably frequent throughout much of Britain it is included in the UKBAP for monitoring purposes due to recent declines.

- Cinnabar Moth *Tyria jacobaeae*, a UKBAP priority species associated with Ragwort. Although this species is common and widespread it is also included on the UKBAP for monitoring purposes due to recent declines.
- Picture-winged fly *Campiglossa malaris*. This species, believed to be associated with Ragwort, is listed as RDB 3 (Endangered). Despite its RDB listing, since first being recorded in the UK in 1974 its abundance and range has expanded considerably across Britain and it is no longer likely to qualify for its RDB listing or consideration as a species of conservation concern.
- Tachnid fly *Gymnosoma rotundatum*. A Rare (RDB 3) species associated with dry sandy areas, which is becoming increasingly common within south-east England. Despite its RDB listing, although the species is still largely confined to south-east England the frequency of records has increased significantly over the last 20 years and it appears that this species has become more common than previously. It is probable that its status would be downgraded in any future review.

3.3.30 Although some of the habitats within the application site, such as the species-poor semi-improved grassland, scrub, unmanaged orchards and mature trees have some interest for invertebrates, the application site as a whole was found to have low entomological value even at a local level. The full findings of the invertebrate assessment are given in Appendix H.

Plants

3.3.31 The application site is a formerly intensively managed commercial orchard and the majority of the semi-natural habitats present at the application site, such as the scrub, ruderal vegetation and species-poor semi-improved grassland, are likely to be of relatively recent origin. These habitats are common and widespread in the local area and the application site is unlikely to support scarce or notable plant species. This is supported by observations made during the extended Phase 1 Habitat Survey, the orchard survey and other specialist ecological survey work carried out at the application site between July 2013 and June 2014.

4 NATURE CONSERVATION EVALUATION

4.1 Habitats

4.1.1 The habitats within the application site and habitats outside the application site which might, in the absence of avoidance or mitigation measures, potentially be impacted by development proposals (i.e. within the 'zone of influence') have been assessed against the criteria summarised in Annex B (Ratcliffe 1977, IEEM, 2006). The results of this process assessing the value of habitats in their own right are given in Table 1.

Table 1: Site Habitat Evaluation

Value	Habitats Present
International	None.
National	None.
Regional	None.
County	None.
District	Low: Orchard areas (in combination with other adjacent orchard habitats)
Local	Scrub Scattered mature trees Hedgerows Species-poor semi-improved grassland
Negligible	All other habitats recorded.

4.1.2 No habitats of International, National, Regional or County conservation value pertain to the application site.

4.1.3 The habitats of highest nature conservation interest within the application site are the areas of orchard which occur widely throughout the application site and, in combination with similar habitat in the vicinity of the application site, are considered as a whole to have **low district value** for nature conservation. The majority of the areas of fruit trees within the application site fall within Natural England's broad description for traditional orchard habitats and are included on the PTES Traditional Orchard Inventory. Traditional orchards are also UK and Sussex BAP Priority Habitats and are a 'habitat of principal importance' under the 2006 NERC Act. The orchard areas, including their deadwood habitats, currently comprise a habitat of relatively high nature conservation interest within the application site however similar unmanaged orchard habitats are found in the wider area extending northwards and eastwards from the application site. The orchard areas of the application site are not however considered to comprise areas of prime quality traditional orchard habitat and are generally in a state of decline due to: i) their poor age structure and dominance of dead or dying trees; ii) lack of recent management and smothering by scrub; iii) poor quality and low species diversity of ground flora; and iv) an absence of associated habitats of high nature conservation interest. There are no plans to re-instate management of the orchards and these habitats are likely to further decline until they no longer exist at the application site.

4.1.4 The scrub, scattered mature trees, hedgerows and species-poor semi-improved grassland have all been assessed as having **local value** for nature conservation. Although these features are only of low local interest in their own right as they are not particularly diverse and/ or could be relatively easily recreated, these areas of semi-natural habitat do provide opportunities for a range of species and, in combination with the orchard areas described above, appreciably enhance the nature conservation interest and habitat connectivity of the application site. In addition hedgerows are listed as a priority habitat on the Sussex BAP.

- 4.1.5 The remaining habitats recorded within the application site, including areas of tall ruderal vegetation, introduced shrubs, buildings and hardstanding, have been assessed as having **less than local/ negligible value** for nature conservation.

4.2 Species

Bats

- 4.2.1 No active bat roosts have been identified within any trees or buildings at the application site and it is considered that the application site is of negligible value for roosting bats.

- 4.2.2 Only low levels of bat foraging and commuting activity have been recorded across the application site, mainly relating to Common and Soprano Pipistrelle bats and primarily focussed on Barnham Road adjacent to the southern application site boundary, and to a lesser extent, along tree lines and scrub and orchard edges elsewhere across the application site. There is an abundance of similar and higher quality habitat available to bats within the wider area and as such the application site as a whole is considered to be of no higher than low local value for foraging and commuting bats.

Badgers

- 4.2.3 The application site comprises only a small proportion of foraging habitat and sett building habitat available in the local area. Two active Badger setts and one disused sett were however recorded within the application site, and an active main sett and a disused outlying sett are also located beyond the application site boundary. Due to the number of Badger setts present within the application site and its surrounds the application site is considered to be of moderate importance to this social group but due to the abundance of similar opportunities in the wider area the application site is likely to be of only low importance for this species in a local context.

Dormice

- 4.2.4 No evidence of Dormouse was recorded during the survey and it is considered that the species is absent from the application site. The application site is therefore considered to be of negligible value for Dormouse and as such this species is not considered further in this assessment.

Birds

- 4.2.5 The application site is considered to support a bird assemblage typical of woodland edge, farmland and garden habitats. In view of the abundance of similar habitat in the wider area, the application site is unlikely to be of local ornithological significance. Notwithstanding this, all breeding birds should be afforded the basic level of protection afforded by the 1981 Wildlife and Countryside Act. This is discussed further in Section 5.

Reptiles

- 4.2.6 No reptiles were recorded from the application site during the survey. The application site is therefore considered to be of negligible importance for the local reptile population and this group is not considered further in this assessment.

Invertebrates

- 4.2.7 Although some of the habitats within the application site, such as the species-poor semi-improved grassland, scrub, unmanaged orchards and mature trees, have some interest for invertebrates these habitats are widespread in the surrounding area and the invertebrate survey found the application site to be of low interest for invertebrates in a local context.

Plants

- 4.2.8 Habitats found within the application site are widespread in the surrounding area and/ or of recent origin and it is unlikely that the application site supports either rare plants or vegetation communities of local nature conservation interest.

5 ASSESSMENT OF EFFECTS AND MITIGATION PROPOSALS

5.1 Introduction

- 5.1.1 Advice on ecological constraints and opportunities for ecological enhancement was provided throughout the design process. Consequently, measures to avoid and minimise effects on features of ecological interest have been incorporated into the scheme design. Ecological enhancement measures have also been incorporated into the scheme where possible in accordance with nature conservation legislation, national planning policy (NPPF, 2012) and the 2006 NERC Act. The mitigation and enhancement proposals have been designed to comply with the objectives for the Sussex Local Biodiversity Action Plan (Section 3.2.16).
- 5.1.2 This section also outlines requirements for surveys to be updated in advance of development commencing to ensure that the avoidance, mitigation and compensation measures described in this report remain appropriate at the time of construction.
- 5.1.3 Proposals for the application site include construction of 60 residential dwellings with new vehicular access, open space and other ancillary works. The proposals require the demolition of all the existing buildings within the application site and clearance of some areas of semi-natural habitat, as described in the sections below. The development proposals are shown on the *Illustrative Masterplan* given in Annex A.

5.1.4 Some of the land affected by the development proposals comprises tall ruderal vegetation, buildings and hardstanding which are considered to be of negligible nature conservation value in their own right. Areas of higher value habitat will be affected however including areas of unmanaged orchards, scattered mature trees, scrub and species-poor semi-improved grassland. Furthermore, in the absence of avoidance or mitigation measures, development proposals could potentially affect retained areas of habitat and local populations of protected and notable species described above. This section identifies potential impacts on features of nature conservation interest both within the application site and the wider area, identifies measures to avoid, reduce, mitigate and compensate for such impacts (summarised on the *Ecological Proposals Plan*: Figure 8), and discusses the likely residual effects following development.

5.2 Orchard

Potential effects

5.2.1 Within the application site the habitats of highest ecological interest are the unmanaged orchard areas which in combination with that occurring in the vicinity of the application site are considered to be of low district value. Fruit tree areas within Area A and the western parts of Area C (Figure 3) are likely to be lost to development however the remaining orchard areas within the application site could be retained. This comprises a total area of approximately 1.23ha lost from Areas A and C. Orchard Area B would be retained in full.

5.2.2 Although several of the fruit tree areas to be lost comprise areas meeting 'Traditional Orchard' BAP Priority Habitat criteria, all are unmanaged and currently in a state of decline. This is reflected in their nature conservation interest in comparison to what would usually be expected of traditional orchard habitat. No future generation of fruit tree planting is present and under current management the decline of these orchard areas is expected to continue until eventual loss from the application site altogether. In view of the above, loss of these areas as a result of the proposed development is not considered to be a significant long-term effect in a local context.

5.2.3 Notwithstanding the above, the short-term loss of 1.23ha traditional orchard habitat, albeit of limited quality, would affect part of a wider receptor of low district interest, and therefore in accordance with planning policy and the 2006 NERC Act development proposals should seek to maintain the opportunities for wildlife provided by orchard habitats at the application site. Indeed, development of the application site would provide opportunities to secure the presence of orchard habitats at the application site in the long-term. The means by which this could be achieved are described below.

Mitigation and enhancement proposals

5.2.4 In order to mitigate the loss of these areas supporting fruit trees and maintain the presence of traditional orchard habitats at the application site in the long-term, where viable the areas of retained fruit trees will be restored. Where this is not possible, new areas of high quality Traditional Orchard habitat would be created within the areas of informal open space in the central and north-eastern parts of the application site. These areas will include the following restoration and management measures to maximise their value for wildlife in the long-term.

- Planting/ infilling using a diverse range of fruit trees selected to provide fruit and blossom for as much of the year as possible;
- Use of heritage fruit tree varieties appropriate to the local area for additional plantings;
- Management to encourage a diverse age structure of fruit trees;
- Retention of standing and fallen deadwood habitats (where safe to do so);
- Creation or enhancement of the ground layer to provide complementary habitats such as species-rich meadow grassland;
- Provision of features such as bat and bird boxes and habitat piles within or in close proximity to orchard areas;
- Provision or retention of complementary habitats in the vicinity of retained and newly created orchard areas including hedgerow, scrub and woodlands (Section 5.3.3), wetlands and species-rich grassland (Section 5.4.4) habitats; and
- Avoidance of herbicide, fungicide, fertiliser and pesticide use except where required to spot treat pernicious weeds and/ or establish new fruit tree plantings.

5.2.5 The orchard areas are currently of negligible cultural value as there is no public access to the land and the fruit is left unpicked (Appendix C). The proposed development will also enhance the currently limited cultural value of the orchard resource present at the application site through:

- Provision of public access to the retained/ created areas of orchard habitat and encouragement of amenity use including fruit picking and general recreation such as picnicking.
- Management to facilitate access and encourage use including provision of paths, benches and signage. Information provided by signage would include details of the fruit trees present such as types, varieties, and times of harvest in addition to the wildlife associated with the orchard habitats.

5.2.6 In addition to the above, prior to any loss of fruit trees from the application site or preparation of detailed fruit tree planting/ orchard creation proposals, the fruit tree resource to be affected by the scheme should be surveyed by an appropriate expert to identify the heritage value of fruit trees present and the presence of any rare, declining or local fruit tree varieties. Where appropriate, the findings of this work would be used to inform planting proposals for the application site to ensure that the current heritage value of the fruit tree resource is maintained and enhanced.

Assessment of residual effects

- 5.2.7 Although the overall extent of orchard habitat at the application site is expected to be reduced following development, subject to implementation of the measures outlined above, it is expected that the quality of the restored / newly created orchard habitats will be a considerable enhancement in the long-term. Loss of a proportion of low quality orchard habitat from the application site is therefore not expected to be a significant effect in a district or local context.

5.3 Hedgerows, tree lines, scattered trees and scrub

Potential effects

- 5.3.1 Outside the areas of orchard described above, the development proposals require the removal of some areas of scrub and a small number of scattered trees within the footprint of the proposed development areas. It is expected however that the tree line in the northern area of the application site and the existing species-poor hedgerow on the western application site boundary will be retained, along with the majority of scattered mature trees, and it is expected that a selection of the existing scrub habitats will be retained where they fall within areas of proposed informal open space.

- 5.3.2 Hedgerows, trees and scrub within the application site provide habitat for wildlife, including Badgers, invertebrates and breeding birds. The network of hedgerows, scrub and trees also act as wildlife corridors for the movement of these species across the application site. In the absence of mitigation, where these habitats are to be removed, there is likely to be a resulting loss of habitat as well as loss of some habitat continuity across the application site and the wider area.

Mitigation and enhancement proposals

- 5.3.3 The detailed design of the development will ensure that loss of existing trees and scrub habitats is kept to a minimum and where possible these features will be retained within areas of informal open space within the new development. In line with the *Landscape Strategy* (HDA dwg. 2136.10 / 08, July 2014) and *Ecological Proposals Plan* (Figure 8) the following measures will also be implemented to minimise the effect of tree and scrub loss and to minimise the effect of the development on retained trees, scrub and hedgerow habitats:

- Supplementary planting of the retained hedgerow will be carried out through planting up of existing gaps with native trees and shrubs.
- New species-rich hedgerow planting and linear scrub and tree planting will be carried out within the areas of proposed landscape planting on the application site boundaries thereby creating new links between areas of retained and newly created habitat within and adjacent to the application site;
- Additional new tree and native shrub planting will be carried out elsewhere within areas of greenspace and gardens of the new development;
- Construction activities will avoid works within the Root Protection Area (RPA) of retained hedgerows and standard trees. Where this is unavoidable then works will

be carried out in accordance with the protocols outlined in an Arboricultural Method Statement to be agreed with the Local Planning Authority.

- Wherever possible development design will avoid use of the existing hedgerow as residential curtilages. Where possible retained and newly created hedgerows will be complemented by a rough and/or meadow grassland buffer of at least 3m;
- In addition to the orchard areas described above, a number of new standard trees will be planted within areas of informal open spaces of the application site;
- All new and supplementary hedgerow, tree and scrub planting within the application site will use a mix of native species typical of the local area, including a selection of: English Oak, Hawthorn, Blackthorn, Field Maple, English Elm, Elder and Dog-rose, sourced from stock of local provenance where available;
- It is also recommended that lighting is restricted in the vicinity of scrub, trees and hedgerows during both the construction and operational phases in order to maintain their value for nocturnal wildlife. Further details are provided in Section 5.6.7.

Assessment of residual effects

- 5.3.4 Although the overall extent of scrub habitats at the application site is expected to be reduced following development, subject to implementation of the measures outlined above, it is likely that the quality of newly created and retained scrub, tree and hedgerow habitats will be maintained and in some places, enhanced, and effective connective habitat will be maintained around and across the application site. The proposed removal of scrub and trees at the application site is therefore not considered to represent a significant loss in a local context.

5.4 Species-poor semi-improved grassland

Potential effects

- 5.4.1 The species-poor semi-improved grassland habitats that are found throughout the application site are considered to have no more than low local value for nature conservation in their own right due to their low species diversity and regular mowing.
- 5.4.2 Construction of the proposed development is likely to result in the loss of the majority of species-poor semi-improved grassland areas from the footprint of the areas of proposed development, waste water treatment area and allotments (Annex A). The remainder of the species-poor semi-improved grassland within the application site will form part of the proposed areas of public open space although in view of its limited inherent interest, removal and recreation may be preferable from both a landscape and ecological perspective.
- 5.4.3 Species-poor grassland throughout the application site is likely to provide habitat for species and groups recorded at the application site such as Badgers and invertebrates, as well as other wildlife. In the absence of mitigation loss of these areas would reduce the amount of habitat available for these species and groups.

Mitigation and enhancement proposals

5.4.4 The *Illustrative Masterplan* (Annex A) and *Landscape Strategy* (HDA dwg. 2136.10 / 08, July 2014) indicate that there will be substantial opportunity to enhance retained grassland areas and create new areas of grassland of higher nature conservation interest than those to be lost within the open spaces of the application site. The following measures will be implemented in order to maximise the nature conservation interest of the application site's grassland resource following development (Figure 8):

- Creation of a mosaic of species-rich scrub, traditional rough and meadow grassland within the areas of informal open space;
- Use of species-rich meadow grassland as the ground layer within newly created and restored areas of traditional orchard habitat;
- Establishment of species-rich meadow grassland within newly created and restored orchard areas;
- Creation of species-rich meadow grassland over the filter beds of the waste water treatment area; and
- Use of diverse herb-rich seed mixes where appropriate for amenity grassland creation (e.g. Emorsgate EL1 seed mix or similar).

Residual effects

5.4.5 Up to 1.98ha species-poor semi-improved grassland will be permanently lost to the proposed development. The *Illustrative Masterplan* (Annex A) and *Landscape Strategy* (HDA dwg. 2136.10 / 08, July 2014) indicate however that it will be possible to create in the region of 2.12ha of species-rich meadow and herb-rich amenity grassland as part of the open space proposals for the application site. Not only would this be expected to result in an enhancement of the grassland resource of the application site following development, it would also complement retained and newly created habitats in addition to providing a locally significant new area of BAP habitat in its own right.

5.5 Other habitats

5.5.1 In addition to the proposed retained and newly created orchard, hedgerows, scattered trees, scrub and grassland habitats described in the sections above, the proposed development includes the creation of water attenuation basins in association with the SuDS scheme for the application site. These areas will increase the habitat diversity of the application site through providing open water and other wetland marginal habitats which are currently absent from the application site. In order to maximise their value for wildlife these features should be planted with a variety of aquatic and marginal plant species and be of a design to increase opportunities for wildlife (e.g. gently sloping margins, a variety of permanent and ephemeral areas, etc.).

5.5.2 In addition to the habitat works described above, creation of habitats outside the built footprint of the proposed development, including a mix of allotments, gardens, informal and formal open space, is expected to maintain opportunities for wildlife in the form of:

- A network of garden habitats forming a variety of opportunities as they mature.
- Compost heaps providing habitat for amphibians and invertebrates.
- Piles of brash and cuttings arising from open space management could be used to create habitat piles for sheltering amphibians, invertebrates and small mammals.
- A diverse range of plant and shrub planting providing possible food sources for birds, invertebrates and mammals.
- A network of habitats providing shelter for a range of species moving around the application site.

5.6 Bats

Potential effects

5.6.1 The findings of the bat surveys conducted at the application site indicate that no buildings or trees within the application site support roosting bats and that the application site is likely to be of negligible value to roosting bats.

5.6.2 Wherever possible all trees providing opportunities for roosting bats have been retained within the proposed development. The proposals show however that the all buildings and structures within the application site will be lost to the proposed development and T11 in the north-east of the application site may be lost to construction of the waste water treatment plant. The proposals also include minor loss of small areas of foraging and commuting habitat such as orchard and scrub edges. In the absence of avoidance and mitigation measures, potential adverse effects of the proposed development on bats could therefore include:

- Loss of future roosting opportunities provided by B1, B2 and T11;
- Loss and fragmentation of foraging and commuting habitat through loss of trees and scrub and severance of retained hedgerows and tree lines; and
- Disturbance of foraging bats by on-site lighting during the construction and operational phases of the proposed development.

Mitigation and enhancement proposals

5.6.3 The measures outlined below are proposed in order to avoid potential adverse effects of development on bats during development and maintain current opportunities for bats provided by the application site in the long-term.

Bat roosts

5.6.4 Although no bats were recorded during the 2013 Phase 2 Emergence surveys, and current knowledge suggests that no bat roosts are present at the application site, bats are highly mobile and new roost sites may be colonised and old roosts abandoned over short periods of time. Bats may also use roosts on a seasonal or transitory basis. It is therefore recommended that the 2013 bat surveys are updated prior to development works commencing. In the unlikely event that updated surveys indicate the presence of roosting bats within any built structures or trees to be lost then a Natural England

European Protected Species (EPS) Licence should be sought prior to works commencing.

- 5.6.5 Development of the application site would provide opportunity to increase long-term roosting opportunities for bats through the provision of features such as bat boxes and bat tubes on buildings and trees across the application site.

Foraging and commuting habitat

- 5.6.6 The *Illustrative Masterplan* (Annex A) shows that the majority of boundary features within and around the application site, including tree lines, hedgerow and linear scrub habitats, will be retained within the proposed development. Additionally, new linear habitat will be retained in the form of hedgerows around the application site margins. Where removal of limited areas of foraging habitat or linear features is unavoidable for the main site access the existing gap has been used and the majority of mature trees and vegetation avoided. Subject to the implementation of the landscape proposals as currently indicated, the proposed development is not expected to affect current levels of habitat connectivity for bats subject to sensitive lighting design.

- 5.6.7 Where lighting is required in the vicinity of habitat used by foraging and commuting bats (or trees providing opportunities for roosting bats), it is recommended that the following measures are implemented (BCT, 2011):

- Restriction of lighting to the minimum required for safety and amenity, and minimisation of upward reflected light.
- Avoidance of bare bulbs or upward-pointing lights. The spread of light should be kept near to or below the horizontal.
- Avoidance of light-spill into adjacent areas through the luminaire design or with accessories, such as hoods, cowls, louvers and shields to direct the light.
- Minimisation of the height of lighting columns.
- For pedestrian lighting, usage of low level lighting that is as directional as possible and below 3 lux at ground level.
- Where necessary, usage of embedded road lights to illuminate roadways and lighting of only high-risk stretches of roads such as crossings and merges.
- Limiting the times that lights are on to provide some dark periods for wildlife.

- 5.6.8 All detailed external lighting proposals should be reviewed at appropriate design stages by a suitably qualified ecologist.

- 5.6.9 The proposed development has sought to maximise future opportunities for foraging bats within the design, including:

- Wherever possible, retained foraging areas and commuting routes will be enhanced through appropriate native-species planting such as through the restoration and/ or creation of new orchard, scrub and woodland areas;

- New linear boundary planting, to include hedgerows and/ or tree lines, will be created to maintain habitat connections around the edge of the application site for bats;
- New woodland, scrub and meadow/ rough grassland will be created within areas of public open space such as within the community orchard areas, and within other areas of open space within the developed areas, to provide new high-quality foraging habitat;
- Fruiting trees and shrubs, nectar and pollen-rich plants will be included within landscape and conservation planting schemes to encourage invertebrate prey; and
- New wetland habitats created as part of the SuDS scheme will provide new areas of habitat of value to foraging bats.

Residual effects

- 5.6.10 Following implementation of the avoidance, mitigation and enhancement measures outlined above, current knowledge suggests that it is unlikely that the proposed development will have any adverse long-term effects on the favourable conservation status of the local bat population, and that the proposals may result in enhanced roosting, foraging and commuting opportunities for the local bat population in the long term.

5.7 Badgers

Potential effects

- 5.7.1 Of the setts recorded within the application site during the survey, one active annexe sett (Sett B), one active outlying sett (Sett C) and one disused outlying sett (Sett E), are likely to be affected by development works.
- 5.7.2 The development proposals also require the loss of some limited areas of good and moderate quality Badger foraging habitat from within the footprint of the proposed development areas however, in view of the substantial amount of habitat being maintained within the open spaces of the proposed development and the abundance of similar quality habitat available to the local Badger population within the wider area, this relatively small loss of habitat is unlikely to be significant in a local context.

Mitigation and enhancement proposals

- 5.7.3 Measures to avoid the adverse effects of development on the local Badger population are summarised below.
- 5.7.4 The *Illustrative Masterplan* (Annex A) indicates that the three setts recorded within the application site would be lost to the proposed development. Setts B and C are active and therefore should loss of these setts be unavoidable then it would be necessary to obtain a licence from Natural England for closure of the setts prior to any works that might damage or disturb a sett commencing. Badger licences are only usually granted for works outside the Badger breeding season which runs from December to January inclusive. All the procedures relating to the closure of a Badger sett would be subject to a detailed method

statement accompanying the Natural England licence application and monitored by the licensee and/or accredited agents. Approaches to the closure of Setts B, C and E (if required) are given below.

5.7.5 Sett B is an annexe sett and, as such, in the event that its closure is unavoidable, its loss should be mitigated through the provision of an artificial Badger sett in an area of suitable undisturbed habitat elsewhere within the application site. The new sett should be located as close to the original sett as possible and be provided in advance of the old sett being lost. The following measures would be implemented during sett closure to protect Badgers and ensure the value of the new sett is maximised:

- Sett B would be monitored in advance of development commencing and if it remains in current use, it will be necessary for the sett to be closed under licence from Natural England to ensure compliance with the Protection of Badgers Act 1992. Closure of the sett would follow the methodology outlined in Appendix F.
- A replacement sett would be provided as close as possible to the current sett, located in an area with immediate access to the surrounding countryside and where disturbance associated with development will be least likely (e.g. on the edge of the orchard in the north-east of the application site). The replacement sett would be located outside of the floodplain.
- Provision of a replacement sett in close proximity to Sett B would ensure that the replacement sett is located within the core part of the current territory held by the social group.
- Although the exact location of the artificial sett would be decided at the detailed design stage, the sett should be positioned so as to allow a buffer of a minimum of 20m between the replacement sett and the closest proposed built development.
- The buffer area in the vicinity of the replacement sett would incorporate scrub planting and use of fencing where necessary to minimise disturbance from adjacent development.
- Following completion of the artificial sett, Sett B would then be closed under a licence from Natural England.
- No construction activities would be carried out within 20m of the artificial sett after it has become operational unless under the guidance and/ or supervision of a suitably qualified ecologist.

5.7.6 A suitable location for provision of a replacement sett to mitigate for the loss of Sett B is shown on the *Ecological Proposals Plan* (Figure 8).

5.7.7 Sett C is an active outlying sett and it would be necessary to apply for a Natural England licence to close this sett through exclusion prior to development following the methodology outlined in the Badger Survey Report at Appendix F. Outlying setts are however usually only temporarily occupied and by definition suitable alternatives should exist. A replacement artificial sett would therefore not be required to mitigate loss of this sett.

5.7.8 Sett E is a disused outlying sett and, subject to its status not changing, loss of this sett would not require mitigation nor a licence from Natural England. The sett should be

resurveyed however prior to works affecting the sett commencing to ensure that its status has not changed. If Badgers are found to have reoccupied the sett, it would be necessary to apply for a Natural England licence to permit closure of the sett through exclusion.

5.7.9 There is abundant suitable sett-building habitat both within the application site outside the proposed development footprint and in the wider area. Should loss of the outlying setts be unavoidable, it is unlikely that their loss will result in any long-term effect on the local Badger population.

5.7.10 Although the development will result in an initial loss of Badger foraging habitat within the footprint of the proposed development, there is an abundance of similar and higher quality habitat in the wider area and it is considered that this loss is unlikely to be significant in a local context. Furthermore, the following measures illustrated on the *Illustrative Masterplan* (Annex A) and *Landscape Strategy* (HDA dwg. 2136.10 / 08, July 2014) are expected to maintain opportunities for foraging Badgers within the application site:

- The creation and enhancement of meadow grassland and species-rich scrub habitats within public open space across the application site;
- The creation and/ or restoration of orchard areas within open spaces of the application site;
- The retention and enhancement of undisturbed semi-natural habitats around the margins of the application site;
- Landscape planting schemes including use of fruit and nut-providing shrubs and trees; and
- New residential gardens and areas of open space that will mature and provide Badger foraging habitat in the long term.

5.7.11 Construction activities should also take into account the presence of Badgers on site. Any steep sided holes left open overnight during the course of construction works should be equipped with a mammal ladder (a reinforced plywood board >60cm wide set at an angle of no greater than 30° to the base of the pit) to prevent entrapment.

5.7.12 Badgers are very mobile animals and occasionally setts may be abandoned, new setts created and old setts reclaimed. It would therefore be prudent to resurvey identified active and disused setts to confirm their status prior to development commencing, in addition to a resurvey of the application site and adjacent land to confirm that no new setts have been dug within the vicinity of the proposed development area.

Assessment of residual effects

5.7.13 Implementation of the measures outlined above would ensure compliance with the Protection of Badgers Act and maintain opportunities for sett-building and foraging

Badgers within the site following development. Consequently no significant long-term effect on the local Badger population would be expected to arise as a result of the proposed development.

5.8 Birds

Potential effects

- 5.8.1 The proposed development would require the removal of buildings and areas of scrub, trees and orchard habitats which comprise potential habitat for nesting and foraging birds. Whilst it is highly unlikely that these works would result in significant effects on birds in a local context, development proposals should seek to maintain the current opportunities provided by the application site for birds and have due regard to nature conservation legislation protecting nesting birds.

Mitigation and enhancement proposals

- 5.8.2 In order to protect nesting birds at the application site all work involving removal of buildings and trees, scrub or orchard habitats should be carried out outside the bird breeding season (i.e. not between March and September inclusive), as all wild birds, their nests and eggs are protected under the Wildlife and Countryside Act, 1981. Construction works near any areas of retained scrub, tree and orchard habitats should also, if possible, avoid the breeding season. In the event that vegetation clearance or building demolition is required outside this period, a search for nesting birds should be undertaken by a suitably qualified ecologist immediately prior to works commencing. In the event that breeding birds are discovered, sufficient habitat will need to be retained to ensure birds are not disturbed until nesting activity has ceased and the nest has been vacated.
- 5.8.3 As the proposed new and restored orchard, wetland, tree, scrub and hedgerow planting and gardens of the proposed development mature, these are likely to provide new opportunities for the bird species currently using the application site. In order to maximise the value of the development for birds, the following measures should be implemented:
- Retention and strengthening of boundary planting (hedgerows, shrubs, trees etc.) using a selection of native species appropriate to the local area, where possible sourced from stock of local provenance;
 - Provision of a variety of bird boxes; and
 - Inclusion of a high proportion of fruit and nut producing species within planting schemes throughout the application site.
- ### *Assessment of residual effects*
- 5.8.4 Through the implementation of the proposed landscape scheme and the measures described above to protect nesting birds, the proposed development is unlikely to result in any significant adverse effects on the local breeding bird population.

5.9 Invertebrates

5.9.1 The habitat creation and enhancement measures described above present opportunities to enhance the application site for invertebrates through additional orchard, scrub and tree planting, enhancement of meadow grassland and wetland creation. Planting schemes for the proposed development should include native and wildlife friendly species that are of benefit for pollinating insects. Suitable species can be found on the Royal Horticultural Society's '*Plants for Pollinators*' lists at <http://www.rhs.org.uk/Gardening/Sustainable-gardening/Plants-for-pollinators>. Through implementation of these measures it is expected that the proposed development could provide habitat for a wider range of invertebrate species at the application site in the long term.

5.10 Additional recommendations

5.10.1 In addition to the measures outlined in the sections above to maintain and, where possible, enhance the nature conservation interest of the application site, a selection of the following measures could be implemented in order to further maximise opportunities for wildlife at the application site following development:

- Provision of new residents with 'living with wildlife' leaflets to inform them of measures to improve opportunities for wildlife within their gardens, and inform residents of the presence of habitats of nature conservation interest occurring in the vicinity of the application site and measures by which these can be protected and enjoyed.
- Provision of habitat piles within areas of informal open space across the application site to provide habitat and refuge opportunities for wildlife including invertebrates and amphibians.
- Inclusion of native species of local provenance within landscape planting schemes (in addition to that proposed for boundary hedgerow planting).
- Use of pollen and nectar rich species in formal landscape schemes.

6 SUMMARY AND CONCLUSION

6.1 The design and layout for the proposed development as set out in the *Illustrative Masterplan* at Annex A has been arrived at through an iterative process, with the findings of ecological surveys providing informed advice on avoidance and reduction of ecological effects and inclusion of opportunities for ecological enhancement over successive design iterations. Through this approach, avoidance or mitigation of effects on ecological receptors potentially affected by the proposed development has been integrated into the development proposals.

6.2 The habitats of highest nature conservation interest associated the application site; namely the orchard areas and to a lesser extent, the network of scrub, scattered mature trees, hedgerow and species-poor semi-improved grassland will, where possible be retained. Where removal of these features is unavoidable their loss will be off-set through

the creation and restoration of habitats of value including traditional orchard, scrub and species-rich grassland, and in addition, new attenuation areas will be created which will introduce new wetland habitat of nature conservation interest which is currently absent from the application site.

6.3 Only low numbers of relatively common and widespread protected species were recorded during the ecological survey work. Development works should however be carried out following the approaches outlined in Section 5 to avoid contravention of nature conservation legislation and maintain and enhance opportunities for wildlife in accordance with the requirements of with the 2006 NERC Act, the 2012 NPPF and local planning policy.

6.4 In summary, subject to implementation of the habitat creation measures described above and standard measures to avoid impacts on retained habitats of interest and locally recorded protected species, no ecological constraints have been identified that would otherwise preclude development of the application site. Furthermore, the development has the potential to provide new opportunities for locally recorded wildlife in the long-term, through the retention, creation, restoration and enhancement of habitats.

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Issue	Description	Date of Issue	Approved for issue
1	First draft for comment	August 2014	
2			

	Personnel	Position
Author	Anna Senior MCIEEM	Senior Ecologist
Approved for issue	Adrian Meurer MCIEEM	Director

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ANNEX A
Illustrative Masterplan



LAND NORTH OF BARNHAM ROAD,
EASTERGATE

Illustrative masterplan

DATE: 10.07.14 SCALE: 1:1250 @ A2 DWG NO: 1178 / 03

0m 10m 20m 30m 40m 50m
This drawing is for planning purposes only.
Copyright © Richards Urban Design Ltd.

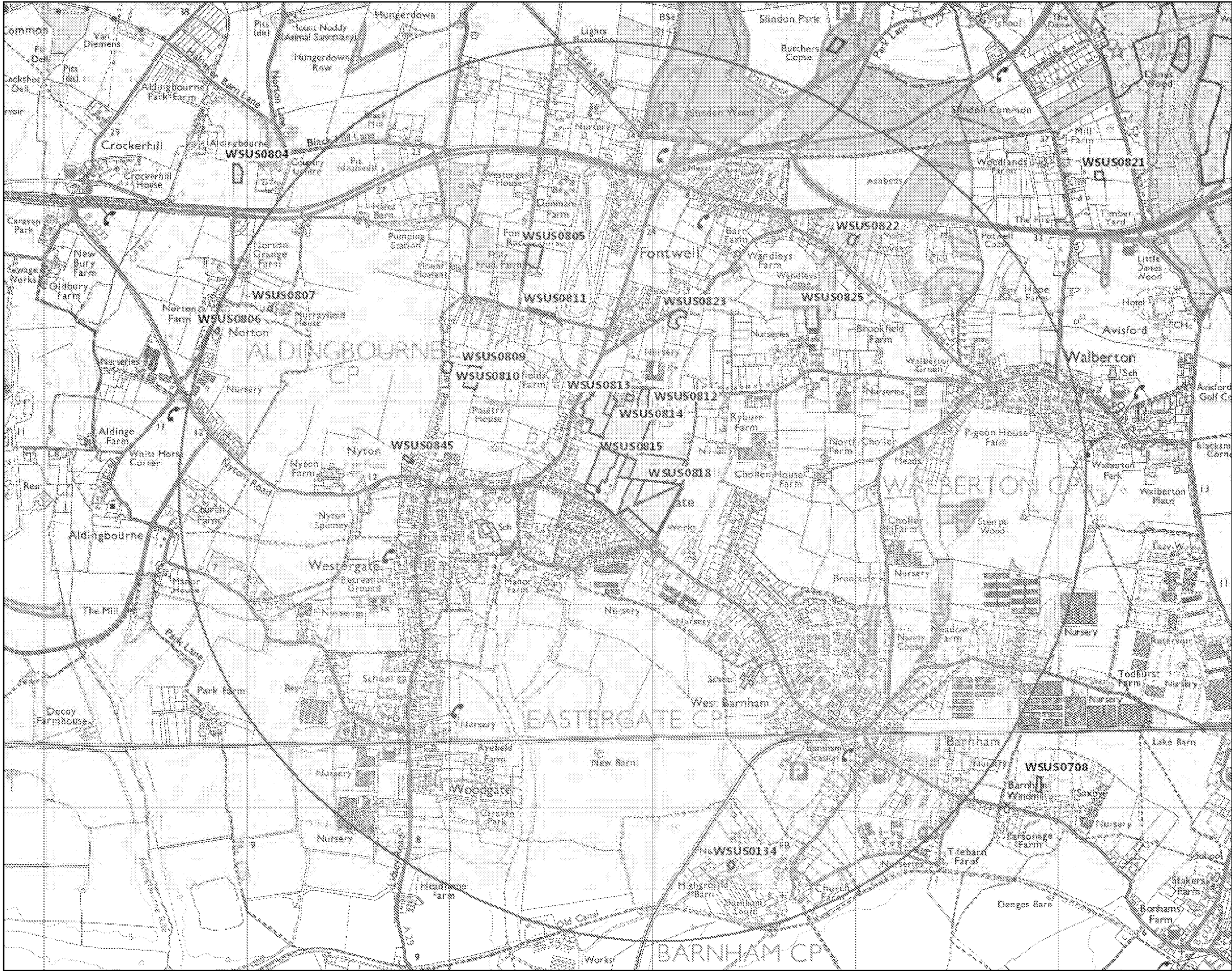
ANNEX B
Evaluation Criteria

Criteria used for the evaluation of ecological receptors (based on Ratcliffe, 1977; IEEM 2006)

Assigning value is relatively straightforward in the case of designated sites, and undesignated sites meeting designation criteria. However, in most cases evaluation of ecological resources is not straightforward and requires a degree of knowledge, experience and professional judgement (Usher, 1986; Spellerberg, 1992). Evaluation of an ecological receptor was based on a number of criteria (Ratcliffe, 1977; IEEM 2006).

- Site designations; SPA, SAC, Ramsar, SSSI, NNR, LNR, SINC or equivalent.
- Site designation criteria; e.g. Guidelines for the Selection of Biological SSSIs (JNCC, 1989).
- Conservation status; whether a habitat or species is rare, declining or threatened at a given geographic scale.
- Geographic location; the value of a habitat or species may change depending on whether it is being assessed in the south of England or the north of Scotland.
- Distribution; habitats or species on the edge of their distribution, particularly where that distribution is changing as a result of global trends and climate change and endemic species or locally distinct sub-populations of a species are more valuable;
- Rarity; the presence of habitats, species, subspecies or varieties that are rare or uncommon at a given geographic scale.
- Diversity; of habitats, or species, particularly of vascular plants. Species-rich assemblages of plants or animals are likely to be important in terms of biodiversity;
- Naturalness; habitats least affected by human disturbance are normally of relatively higher importance.
- Size; larger areas are generally more valuable than lots of small ones. Notably large populations of animals or concentrations of animals considered uncommon or threatened in a wider context may be important.
- Fragility; sensitivity to, and probability of, human impact.
- Typicalness; a good example of the type, particularly plant communities (and their associated animals) that are considered to be typical of valued natural/semi-natural vegetation types, including examples of naturally species-poor communities.
- Potential value (if restored to favourable conservation status).
- Secondary or supporting value; value of a receptor in supporting the integrity or conservation status of another valued receptor.
- Ability to be recreated; the more difficult a habitat is to re-create, were it to be destroyed, the greater the importance usually attached to it.

APPENDIX A
Desk Study Results



Legend

- Local Nature Reserves (England)
- National Nature Reserves (England)
- Ramsar Sites (England)
- Sites of Special Scientific Interest (England)
- Special Areas of Conservation
- Special Protection Areas (England)
- Ancient and Semi-Natural Woodland
- Ancient Replanted Woodland
- Traditional Orchard BAP Priority Habitat (England)

Projection = OSGB36
xmin = 491200
ymin = 103100
xmax = 498500
ymax = 108100
Map produced by MAGIC on 4 June, 2013.
(c) Crown Copyright and database right 2013 Ordnance Survey 100022861. Copyright resides with the data suppliers and the map must not be reproduced without their permission. Some information in MAGIC is a snapshot of the information that is being maintained or continually updated by the originating organisation. Please refer to the metadata for details as information may be illustrative or representative rather than definitive at this stage.

Ancient Woodland (England)

Wood Name	slindon wood
Theme Name	Ancient Replanted Woodland
Theme ID	223188
Area (Ha)	3.79
Wood Name	Null
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223192
Area (Ha)	2.1
Wood Name	wanley's copse
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223195
Area (Ha)	2.15
Wood Name	potwell copse
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223196
Area (Ha)	2.74
Wood Name	Null
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223246
Area (Ha)	1.07
Wood Name	Null
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223247
Area (Ha)	0.75
Wood Name	Null
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223226
Area (Ha)	0.06
Wood Name	Null
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223227
Area (Ha)	1.54
Wood Name	potwell copse
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223230
Area (Ha)	0.81
Wood Name	slindon wood
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223232
Area (Ha)	38.53
Wood Name	Null
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223235
Area (Ha)	0.61

Wood Name	slindon wood & common
Theme Name	Ancient & Semi-Natural Woodland
Theme ID	223236
Area (Ha)	0.41

Traditional Orchard BAP Priority Habitat (England) - points

Habitat	Traditional Orchard
Site Number	WSUS0134
Ground-truthed	Done
Priority Qualifier	Definitely is Traditional Orchard priority habitat
Area (ha)	0.083695

Habitat	Traditional Orchard
Site Number	WSUS0805
Ground-truthed	Not done
Priority Qualifier	Priority Traditional Orchard habitat may be present but evidence is either insufficient to determine presence confidently or is in the oldest allowable category
Area (ha)	0.667371

Habitat	Traditional Orchard
Site Number	WSUS0806
Ground-truthed	Not done
Priority Qualifier	Priority Traditional Orchard habitat may be present but evidence is either insufficient to determine presence confidently or is in the oldest allowable category
Area (ha)	0.042104

Habitat	Traditional Orchard
Site Number	WSUS0807
Ground-truthed	Not done
Priority Qualifier	Definitely is Traditional Orchard priority habitat
Area (ha)	0.034537

Habitat	Traditional Orchard
Site Number	WSUS0809
Ground-truthed	Done
Priority Qualifier	Definitely is Traditional Orchard priority habitat
Area (ha)	0.706671

Habitat	Traditional Orchard
Site Number	WSUS0810
Ground-truthed	Done
Priority Qualifier	Definitely is Traditional Orchard priority habitat
Area (ha)	0.214079

Habitat	Traditional Orchard
Site Number	WSUS0811
Ground-truthed	Done
Priority Qualifier	Definitely is Traditional Orchard priority habitat
Area (ha)	0.172653

Habitat	Traditional Orchard
Site Number	WSUS0812
Ground-truthed	Done
Priority Qualifier	Definitely is Traditional Orchard priority habitat
Area (ha)	9.968927

Habitat	Traditional Orchard
Site Number	WSUS0813

Ground-truthed
Priority Qualifier
Area (ha)

Not done
 Definitely is Traditional Orchard priority habitat
 0.101503

Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)

Traditional Orchard
 WSUS0814
 Not done
 Definitely is Traditional Orchard priority habitat
 0.413718

Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)

Traditional Orchard
 WSUS0815
 Done
 Definitely is Traditional Orchard priority habitat
 2.114273

Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)

Traditional Orchard
 WSUS0818
 Done
 Definitely is Traditional Orchard priority habitat
 3.628547

Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)

Traditional Orchard
 WSUS0822
 Not done
 Priority Traditional Orchard habitat may be present but evidence is either insufficient to determine presence confidently or is in the oldest allowable category
 0.166084

Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)

Traditional Orchard
 WSUS0823
 Not done
 Definitely is Traditional Orchard priority habitat
 0.434559

Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)

Traditional Orchard
 WSUS0825
 Not done
 Priority Traditional Orchard habitat may be present but evidence is either insufficient to determine presence confidently or is in the oldest allowable category
 0.649635

Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)

Traditional Orchard
 WSUS0845
 Done
 Definitely is Traditional Orchard priority habitat
 0.094529

Traditional Orchard BAP Priority Habitat (England)

Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)

Traditional Orchard
 WSUS0134
 Done
 Definitely is Traditional Orchard priority habitat
 0.083695

Habitat
Site Number
Ground-truthed

Traditional Orchard
 WSUS0805
 Not done

**Priority Qualifier
Area (ha)**

Priority Traditional Orchard habitat may be present but evidence is either insufficient to determine presence confidently or is in the oldest allowable category
0.667371

**Habitat
Site Number
Ground-truthed**

Traditional Orchard
WSUS0806
Not done

**Priority Qualifier
Area (ha)**

Priority Traditional Orchard habitat may be present but evidence is either insufficient to determine presence confidently or is in the oldest allowable category
0.042104

**Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)**

Traditional Orchard
WSUS0807
Not done
Definitely is Traditional Orchard priority habitat
0.034537

**Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)**

Traditional Orchard
WSUS0809
Done
Definitely is Traditional Orchard priority habitat
0.706671

**Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)**

Traditional Orchard
WSUS0810
Done
Definitely is Traditional Orchard priority habitat
0.214079

**Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)**

Traditional Orchard
WSUS0811
Done
Definitely is Traditional Orchard priority habitat
0.172653

**Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)**

Traditional Orchard
WSUS0812
Done
Definitely is Traditional Orchard priority habitat
9.968927

**Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)**

Traditional Orchard
WSUS0813
Not done
Definitely is Traditional Orchard priority habitat
0.101503

**Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)**

Traditional Orchard
WSUS0814
Not done
Definitely is Traditional Orchard priority habitat
0.413718

**Habitat
Site Number
Ground-truthed
Priority Qualifier
Area (ha)**

Traditional Orchard
WSUS0815
Done
Definitely is Traditional Orchard priority habitat
2.114273

04/06/2013

Habitat	Traditional Orchard
Site Number	WSUS0818
Ground-truthed	Done
Priority Qualifier	Definitely is Traditional Orchard priority habitat
Area (ha)	3.628547

Habitat	Traditional Orchard
Site Number	WSUS0822
Ground-truthed	Not done
Priority Qualifier	Priority Traditional Orchard habitat may be present but evidence is either insufficient to determine presence confidently or is in the oldest allowable category
Area (ha)	0.166084

Habitat	Traditional Orchard
Site Number	WSUS0823
Ground-truthed	Not done
Priority Qualifier	Definitely is Traditional Orchard priority habitat
Area (ha)	0.434559

Habitat	Traditional Orchard
Site Number	WSUS0825
Ground-truthed	Not done
Priority Qualifier	Priority Traditional Orchard habitat may be present but evidence is either insufficient to determine presence confidently or is in the oldest allowable category
Area (ha)	0.649635

Habitat	Traditional Orchard
Site Number	WSUS0845
Ground-truthed	Done
Priority Qualifier	Definitely is Traditional Orchard priority habitat
Area (ha)	0.094529

Duncton to Bignor Escarpment

Site details



Location of Duncton to Bignor Escarpment SAC/SCI/cSAC

Country	England
Unitary Authority	West Sussex
Centroid*	SU965137
Latitude	50 54 50 N
Longitude	00 37 37 W
SAC EU code	UK0030138
Status	Designated Special Area of Conservation (SAC)
Area (ha)	214.47

* This is the approximate central point of the SAC. In the case of large, linear or composite sites, this may not represent the location where a feature occurs within the SAC.

General site character

Heath. Scrub. Maquis and garrigue. Phygrana (10%)

Dry grassland. Steppes (5%)

Broad-leaved deciduous woodland (80%)

Mixed woodland (5%)

[Boundary map](#) and associated biodiversity information on the NBN Gateway.
[Natura 2000 data form](#) for this site as submitted to Europe (PDF format, size 30kb).

[Interactive map](#) from MAGIC (Multi-Agency Geographic Information for the Countryside).

Note:

When undertaking an appropriate assessment of impacts at a site, **all** features of European importance (both primary and non-primary) need to be considered.

Annex I habitats that are a primary reason for selection of this site

9130 Asperulo-Fagetum beech forests

Asperulo-Fagetum beech forests occur here on steep scarp slopes and on more gently-sloping hillsides in mosaic with ash *Fraxinus excelsior* woodland, scrub and grassland. Much of the beech woodland is high forest but with some old pollards. Rare plants present include the white helleborine *Cephalanthera damasonium*, yellow bird's nest *Monotropa hypopitys* and green hellebore *Helleborus viridis*. The woods also have a rich mollusc fauna.

Annex I habitats present as a qualifying feature, but not a primary reason for selection of this site

Not applicable.

Annex II species that are a primary reason for selection of this site

Not applicable.

Annex II species present as a qualifying feature, but not a primary reason for site selection

Not applicable.

NATURA 2000

STANDARD DATA FORM

FOR SPECIAL PROTECTION AREAS (SPA)
FOR SITES ELIGIBLE FOR IDENTIFICATION AS SITES OF COMMUNITY IMPORTANCE (SCI)
AND
FOR SPECIAL AREAS OF CONSERVATION (SAC)

1. Site identification:

1.1 Type 1.2 Site code

1.3 Compilation date 1.4 Update

1.5 Relationship with other Natura 2000 sites

--	--	--	--	--	--	--	--

1.6 Respondent(s)

1.7 Site name

1.8 Site indication and designation classification dates

date site proposed as eligible as SCI	
date confirmed as SCI	
date site classified as SPA	198803
date site designated as SAC	

2. Site location:

2.1 Site centre location

longitude	latitude
00 45 38 W	50 45 48 N

2.2 Site area (ha) 2.3 Site length (km)

2.5 Administrative region

NUTS code	Region name	% cover
UK533	West Sussex	100.00%

2.6 Biogeographic region

☐
Alpine

☒
Atlantic

☐
Boreal

☐
Continental

☐
Macaronesia

☐
Mediterranean

3. Ecological information:

3.1 Annex I habitats

Habitat types present on the site and the site assessment for them:

Annex I habitat	% cover	Representativity	Relative surface	Conservation status	Global assessment

3.2 Annex I birds and regularly occurring migratory birds not listed on Annex I

		Population				Site assessment			
		Resident	Migratory						
Code	Species name		Breed	Winter	Stage	Population	Conservation	Isolation	Global
A046a	<i>Branta bernicla bernicla</i>			1794 I		C		C	
A151	<i>Philomachus pugnax</i>			10 I		C		C	
A195	<i>Sterna albifrons</i>		7 P			C		C	
A193	<i>Sterna hirundo</i>		0 P			C		C	

4. Site description:

4.1 General site character

Habitat classes	% cover
Marine areas. Sea inlets	0.6
Tidal rivers. Estuaries. Mud flats. Sand flats. Lagoons (including saltwork basins)	39.2
Salt marshes. Salt pastures. Salt steppes	5.2
Coastal sand dunes. Sand beaches. Machair	
Shingle. Sea cliffs. Islets	20.2
Inland water bodies (standing water, running water)	1.0
Bogs. Marshes. Water fringed vegetation. Fens	2.8
Heath. Scrub. Maquis and garrigue. Phygrana	
Dry grassland. Steppes	
Humid grassland. Mesophile grassland	
Alpine and sub-alpine grassland	
Improved grassland	30.3
Other arable land	
Broad-leaved deciduous woodland	0.7
Coniferous woodland	
Evergreen woodland	
Mixed woodland	
Non-forest areas cultivated with woody plants (including orchards, groves, vineyards, dehesas)	
Inland rocks. Scree. Sands. Permanent snow and ice	
Other land (including towns, villages, roads, waste places, mines, industrial sites)	
Total habitat cover	100%

4.1 Other site characteristics

Soil & geology:

Alluvium, Clay, Gravel, Mud, Neutral, Nutrient-rich, Sand, Sedimentary, Shingle

Geomorphology & landscape:

Coastal, Estuary, Floodplain, Intertidal sediments (including sandflat/mudflat), Islands, Lagoon, Lowland, Open coast (including bay), Pools, Shingle bar, Subtidal sediments (including sandbank/mudbank)

4.2 Quality and importance

ARTICLE 4.1 QUALIFICATION (79/409/EEC)

During the breeding season the area regularly supports:

Sterna albifrons 0.3% of the GB breeding population
(Eastern Atlantic - breeding) 5 year mean, 1992-1996

Sterna hirundo % of the GB breeding population
(Northern/Eastern Europe - breeding) Count, as at 1996

Over winter the area regularly supports:

Philomachus pugnax
(Western Africa - wintering)

1.4% of the GB population
5 year mean, 1995-1999

ARTICLE 4.2 QUALIFICATION (79/409/EEC)

Over winter the area regularly supports:

Branta bernicla bernicla
(Western Siberia/Western Europe)

0.6% of the population
5 year peak mean 1991/92-1995/96

4.3 Vulnerability

Pagham Harbour comprises an extensive central area of salt marsh and tidal mudflats, with surrounding habitats including lagoons, shingle, open water, reed swamp and wet permanent grassland.

The majority of the site is a Local Nature Reserve managed by West Sussex County Council. Historical land drainage for agricultural purposes is being addressed through the Local Nature Reserve Management Plan and Management Agreements, while pollution from inadequate treatment of sewage discharges will be reviewed by the Environmental Agency.

5. Site protection status and relation with CORINE biotopes:

5.1 Designation types at national and regional level

Code	% cover
UK04 (SSSI/ASSI)	100.0

COUNTY: WEST SUSSEX

SITE NAME: FAIRMILE BOTTOM

DISTRICT: ARUN

Status: Site of Special Scientific Interest (SSSI) notified under Section 28 of the Wildlife and Countryside Act 1981.

Local Planning Authority: ARUN DISTRICT COUNCIL

National Grid Reference: SU 990094

Area: 68.0 (ha.) 168.0 (ac.)

Ordnance Survey Sheet 1:50,000: 197

1:10,000: SU 90 NE, SU 91 SE, TQ 01 SW

Date Notified (Under 1949 Act): –

Date of Last Revision: –

Date Notified (Under 1981 Act): 1987

Date of Last Revision: –

Other Information:

This new site lies within the South Downs area of Outstanding Natural Beauty.

Reasons for Notification:

Fairmile Bottom lies on a north-west facing scarp slope of the South Downs where the Upper Chalk is covered by a thin layer of clay-with-flints. The site contains yew *Taxus baccata* woodland and scrub as well as unimproved chalk grassland, which are all nationally rare communities.

Mature woodland occurs over much of the site and in areas where yew dominates, the dense canopy presents little opportunity for the development of shrub and ground floras. In other parts of Fairmile Bottom there is a higher proportion of beech *Fagus sylvatica* within the canopy and as high-cut beech coppice 'stubs'. Where yew is at a minimum there is a sparse field layer of false-brome grass *Brachypodium sylvaticum* and bramble *Rubus fruticosus*. Yew scrub is invading the open downland.

Areas of woodland containing oak *Quercus robur*, ash *Fraxinus excelsior* and beech with coppice hazel *Corylus avellana* are found at Fairmile Bottom. The field layer is varied in its diversity consisting of scattered false-brome and ivy *Hedera helix* on the lower slopes, and wood spurge *Euphorbia amygdaloides*, bracken *Pteridium aquilinum* and bluebell *Hyacinthoides non-scriptus* where the soil is deeper towards the top of the slope.

Small patches of species-rich chalk grassland are scattered throughout the site. The sward is dominated by sheep's fescue *Festuca ovina* and upright brome grasses *Bromus erectus*, amongst which grow the herbs salad burnet *Sanguisorba minor*, yellow-rattle *Rhinanthus minor* and common milkwort *Polygala vulgaris*. To the south, the main area of grassland is composed of coarser grasses including tor-grass *Brachypodium pinnatum* and cock's foot *Dactylis glomerata*. This area is subject to considerable trampling from visitors but islands of finer rabbit-grazed turf still remain where wild thyme *Thymus praecox*, eyebright *Euphrasia nemorosa* and mouse-ear hawkweed *Hieracium pilosella* are present. Orchid species at Fairmile Bottom include the bee *Ophrys apifera*, frog *Coeloglossum viride* and fragrant *Gymnadenia conopsea* orchids.

The invertebrate fauna is rich and typical of the habitats present. The site supports an outstanding diversity of beetles (Coleoptera) including one species endangered with extinction which inhabits beech logs. The uncommon silver-washed fritillary *Argynnis paphia* and the white admiral *Ladoga camilla* are amongst the many butterflies present.

COUNTY: WEST SUSSEX

SITE NAME: HALNAKER CHALK PIT

DISTRICT: CHICHESTER

Status: Site of Special Scientific Interest (SSSI) notified under Section 28 of the Wildlife and Countryside Act 1981 as amended.

Local Planning Authority: Chichester District Council

National Grid Reference: SU 922090

Area: 6.54 (ha.) 16.16 (ac.)

Ordnance Survey Sheet 1:50,000: 197

1:10,000: SU 90 NW

Date Notified (Under 1981 Act): 1992

Other Information:

This is a new site. *Filago pyramidata* is proposed for addition to Schedule 8 of the Wildlife and Countryside Act at the second quinquennial review 1991.

Description:

The site consists of a partly vegetated pit in the Upper Chalk with peripheral areas of scrub and woodland. Halnaker Chalk Pit is important as the joint location of the largest population of a nationally rare* plant species in Great Britain.

The floor of the chalk pit has a very thin layer of soil providing comparatively few nutrients. In addition, the chalk is freely draining and these factors combine to result in a relatively harsh environment. The pit is characterised by areas of bare chalk and a patchy stunted vegetation including such species as creeping bent grass *Agrostis stolonifera*, hoary plantain *Plantago media* and scarlet pimpernel *Anagallis arvensis*.

This site is most significant for its population of the nationally rare and vulnerable⁺ broad-leaved cudweed *Filago pyramidata* with 10,000 plants (1990 figures) comprising approximately 50% of the total British population. The only other site with a comparable population is at Cuxton, Kent. This plant is typically found as a cornfield flower but as a result of modern agricultural practice has been almost extirpated. However the chalk pit provides a sufficiently suitable habitat for the plant to reach a height of a few centimetres and seed freely. Other flowering plant species found on the pit floor include wild basil *Clinopodium vulgare* and wild parsnip *Pastinaca sativa*.

As the soils become a little deeper around the edge of the pit typical chalk grassland species such as yellow-wort *Blackstonia perfoliata*, autumn gentian *Gentianella amarella* and marjoram *Origanum vulgare* become more common. This area of the pit also supports a colony of bee orchids *Ophrys apifera*.

The scrub beyond the top of the pit is dominated by elder *Sambucus nigra* and dogwood *Cornus sanguinea*. As the scrub grows into mature woodland English oak *Quercus robur* and ash *Fraxinus excelsior* are the dominant species.

notes:

*nationally rare species are those occurring in 1--15 of the 10 x 10 km squares in Britain

+classified as 'vulnerable' in the British Red Data Book of Vascular Plants (Perring and Walters, 1983. second edition)

Designated Site Map (ESD/13/321)

Land at Eastergate + 2km radius

Prepared for Anna Senior (HDA) - 07/06/2013



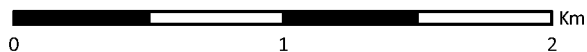
**Sussex
Biodiversity
Record Centre**

Woods Mill, Henfield,
West Sussex BN5 9SD
sxbr@sussexwt.org.uk
01273 497 558/557
www.sxbrc.org.uk



Key to Map:

-  Enquiry area
-  Species search area
-  National Park
-  Notable road verge
-  SNCI



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Habitat Map (ESD/13/321)

Land at Eastergate + 2km radius

Prepared for Anna Senior (HDA) - 07/06/2013



Key to Map:

-  Enquiry area
-  Species search area
-  Ancient/veteran tree
-  Ancient woodland
-  Chalk Stream
-  Coastal & floodplain grazing marsh
-  Lowland calcareous grassland
-  Lowland fen
-  Lowland meadow
-  Open Water
-  Traditional orchard

0 1 2 Km



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Ancient woodland, traditional orchards, vegetated shingle and saline lagoon data reproduced with permission of Natural England. Revised coastal and floodplain grazing marsh data remains provisional and is also reproduced with permission of Natural England. Chalk grassland data supplied by Natural England and South Downs Conservation Board. Black Poplar data supplied by Sussex Otters & Rivers Partnership. Ghyll woodland data supplied by Dr Francis Rose. Reedbed data funded by Environment Agency and West Sussex County Council is provided by Sussex Biodiversity Record Centre and maintained by RSPB. Heathland data funded by West Sussex County Council, RSPB and High Weald AONB Unit. Ancient/veteran tree data derived from results of the Ancient Tree Hunt Project and the Tree Register of the British Isles (TROBI). South East Coastal Habitat Mapping data reproduced with permission of Environment Agency. © Crown Copyright. All rights reserved 2013.

This map contains ancient woodland data revised under the Weald and Downs Ancient Woodland Program (2010) on behalf of Natural England. Whilst every effort has been made to make this revision as accurate as possible, the inventories contain limitations and remain provisional. Further revisions are also pending within East Sussex. Habitat data held by Sussex Biodiversity Record Centre (SxBRCC) are created in-house or obtained from a variety of dataset providers. SxBRCC continually strive to further improve and update these data wherever possible. However, this map should be treated as indicative rather than definitive: data may be generated from a range of field survey and/or predictive methods, each of which may have its own inherent limitations. In some situations a recent ground survey may be required to establish definitively the current status of a particular habitat at a specific location.

SITE OF NATURE CONSERVATION IMPORTANCE (SNCI)

West Sussex

Site Name:	Fontwell Park Racecourse		
Site Ref:	Ar01	Owner:	Private
District:	Arun	Size (ha):	14.2
Parish:	Aldingbourne	Date:	Identified May 1992
National Grid Ref:	SU946068	Author:	Graham Roberts
Habitat:	Calcareous and neutral grassland		

Summary

Parts of the grassland around the sides and inside the racetrack of Fontwell Park are managed as hay meadow and have very species-rich swards. The flora includes some notable species, such as Adder's-tongue (*Ophioglossum vulgatum*) and a large population of Green-winged Orchid (*Orchis morio*).

Site description

The site lies over calcareous alluvium. Most of the grassland is unimproved and species-rich, particularly where mowing is delayed until late in the season.

The area within the track at the south end of the course probably has the richest sward. Of particular interest is a large colony of Green-winged Orchid. The scarce Adder's-tongue is also found here. Ox-eye Daisy (*Leucanthemum vulgare*), Rough Hawkbit (*Leontodon hispidus*), Common Bird's-foot Trefoil (*Lotus corniculatus*) and Bulbous Buttercup (*Ranunculus bulbosus*) are especially abundant.

A range of calcicoles are present throughout most of the unimproved grassland. They include Cowslip (*Primula veris*), Field Scabious (*Knautia arvensis*), Burnet Saxifrage (*Pimpinella saxifraga*), Hedge Bedstraw (*Galium mollugo*) and Downy Oat-grass (*Avenula pubescens*). Mesophytes such as Yarrow (*Achillea millefolium*), Common Sorrel (*Rumex acetosa*), Common Knapweed (*Centaurea nigra*) and Field Wood-rush (*Luzula campestris*) occur in close association with the calcicoles. Red Fescue (*Festuca rubra*) tends to be the dominant grass although Common Bent (*Agrostis capillaris*), Cock's-foot (*Dactylis glomerata*) and Smooth Meadow-grass (*Poa pratensis*) are also frequent.

Management recommendations

Apart from the area mown early in the season, the site is well managed. Treating much of the grassland as hay meadow appears to maintain an attractive and ecologically interesting herb-rich sward.

SITE OF NATURE CONSERVATION IMPORTANCE (SNCI)

West Sussex

Site Name:	Slindon Bottom		
Site Ref:	Ar09	Owner:	National Trust
District:	Arun	Size (ha):	26.5
Parish:	Slindon	Date:	Identified May 1992
National Grid Ref:	SU952079	Author:	Graham Roberts
Habitat:	Semi-natural woodland, conifers and mixed plantations		

Summary

This ancient woodland lies at the junction of two geological types, namely Valley Gravel and Upper Chalk. It consequently has a varied flora. Most of it is semi-natural, though some areas have been replanted with conifers. The storm of October 1987 caused severe windblow and as a result large areas have been replanted. The western end, known as Slindon Bottom, is the most interesting part of the Slindon Woods complex and also received less storm damage.

Site description

Slindon Bottom has fine areas of mature woodland consisting of a mixture of Pedunculate Oak, Ash and Beech. Some of the old trees support interesting 'old forest' epiphytic lichens.

Sycamore is locally abundant. Other trees and shrubs include Field Maple, Wild Cherry, Crab Apple, Holly and Hazel. Gorse occurs in some abundance in open areas on the gravel, while Spindle and Wild Privet occur frequently on the chalk.

The ground flora is varied and moderately rich in some areas. There are occasional patches of Bluebell (*Hyacinthoides non-scripta*), Butcher's Broom (*Ruscus aculeatus*) and Wood Spurge (*Euphorbia amygdaloides*) occur commonly. Other notable species include Spurge Laurel (*Daphne laureola*), Sanicle (*Sanicula europaea*), Primrose (*Primula vulgaris*) and Yellow Pimpernel (*Lysimachia nemorum*). However, much of the woodland on the gravel is dominated by Bramble (*Rubus fruticosus*), Bracken (*Pteridium aquilinum*) and Honeysuckle (*Lonicera periclymenum*).

The woodland supports a diverse community of breeding birds including Goldcrest, Long-tailed Tit, Willow Warbler, Chiffchaff, Blackcap, Nuthatch, Mistle Thrush, Stock Dove, Great Spotted Woodpecker and Green Woodpecker.

Butterflies recorded include Orange-tip, Speckled Wood, Comma and Peacock.

Management recommendations

The site is currently managed with nature conservation in mind. All replanting should be with native trees, such as Pedunculate Oak, Beech and Wild Cherry. Sycamore control is strongly recommended. Seed-bearing trees should be removed first.

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ARJUN DISTRICT COUNCIL EG/6/18/BES

ARUN DISTRICT COUNCIL EG/6/18/RES

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ARUN DISTRICT COUNCIL EG/6/18/RES

ARUN DISTRICT COUNCIL EG/6/18/RES

ARUN DISTRICT COUNCIL EG/6/18/RES

insect. butterfly. Pieris braucae	Large White	Present/Adult	5/8/2025	15/04/2000 West Sussex VC13	Barnham, Westworth Clus	2009 Anne Whitham	495500
insect. butterfly. Pieris braucae	Large White	6 Present	5/8/2025	01/08/2010 West Sussex VC13	Fulham	2010 Anon @ M&S Big Butterfly Count	495500
insect. butterfly. Pieris braucae	Large White	1 Present	8/8/2026	1995	Wandley Copse, Barnham	1995 Batty Bishop, George Bishop	495500
insect. butterfly. Pieris braucae	Large White	1 Adult	5/8/2026	05/08/1997 Wandley Copse		1997 Batty Bishop	495500
insect. butterfly. Pieris braucae	Large White	1 Adult	5/8/2026	1998 Fonthwell	Garden, Fonthwell	1998 P. Whitham	495500
insect. butterfly. Pieris braucae	Large White	1 Adult	5/8/2026	18/07/1999	Garden, Fonthwell	1999 P. Whitham	495500
insect. butterfly. Pieris braucae	Large White	1 Adult	5/8/2026	02/07/1999	Garden, Fonthwell	1999 P. Whitham	495500
insect. butterfly. Pieris braucae	Large White	2 Adult	5/8/2026	30/08/1999	Garden, Fonthwell	1999 P. Whitham	495500
insect. butterfly. Pieris braucae	Large White	1 Adult	5/8/2026	11/09/1999	Garden, Fonthwell	1999 P. Whitham	495500
insect. butterfly. Pieris braucae	Large White	1 Adult	5/8/2026	1998 Barnham		1998 N. Dulcis	495500
insect. butterfly. Pieris braucae	Large White	1 Adult	5/8/2026	1998 Wanderton CP	Walberton	1998 P. Parsons	495500
insect. butterfly. Pieris braucae	Large White	1 Adult	5/8/2027	24/07/1999	Sindon Woods Car Park Ar	1999 Jim Steadman/Judith Steadman	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2025	1998 Aldingbourne		1998 Dee Christiansen	495500
insect. butterfly. Pieris rapae	Small White	1 Present	5/8/2401	24/07/2010 West Sussex VC13	Aldingbourne	2010 Anon @ M&S Big Butterfly Count	495500
insect. butterfly. Pieris rapae	Small White	2 Adult	5/8/2026	18/08/1999 Nyon		1999 P&R Dayjoyce Day	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2029	13/04/1999	Libury	1998 John Knight	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2026	15/04/2000	10 Elmroth Place, Westley	2000 Jan Cate	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2025	01/07/2000	Wandley Copse, Barnham	2000 Jan Cate	495500
insect. butterfly. Pieris rapae	Small White	2 Adult	5/8/2024	11/08/1996	Libury	1996 Christopher Pennells	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2025	1998 Eastgate CP	Eastgate	1998 T. Philc	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2024	1998 Barnham		1998 N. Wilkins	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2024	14/04/2002	Barnham, Bognor	2002 G. Pyman	495500
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insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2025	1998 Barnham		1998 I. Barker	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2025	1998 Barnham		1998 D. Davison	495500
insect. butterfly. Pieris rapae	Small White	2 Adult	5/8/2025	28/04/2000	Eastgate	2000 Anne Whitham	495500
insect. butterfly. Pieris rapae	Small White	4 Present	5/8/2025	01/08/2010 West Sussex VC13	Fulham	2010 Anon @ M&S Big Butterfly Count	495500
insect. butterfly. Pieris rapae	Small White	1 Present	5/8/2026	1995	Wandley Copse, Barnham	1995 Batty Bishop, George Bishop	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2026	01/04/1997 Wandley Copse		1997 Batty Bishop	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2026	1999 Fonthwell		1999 P. Whitham	495500
insect. butterfly. Pieris rapae	Small White	2 Adult	5/8/2025	07/04/1998	Wandley Copse, Woberts	1998 Batty Bishop	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2026	10/07/1999	Garden, Fonthwell	1999 P. Whitham	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2024	1998 Barnham		1998 N. Dulcis	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2026	1998 Wanderton CP	Walberton	1998 P. Parsons	495500
insect. butterfly. Pieris rapae	Small White	2 Adult	5/8/2027	1998 Sindon CP	Sindon Common	1998 J. Duggan Rees	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2027	01/05/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Pieris rapae	Small White	1 Adult	5/8/2027	01/01/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Pieris rapae	Small White	2 Adult	5/8/2027	2007 Tony Moore	A23	2007 Tony Moore	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2025	1998 Aldingbourne		1998 Dee Christiansen	495500
insect. butterfly. Pieris napi	Green veined white	2 Present	5/8/2024	1999 Barnham		1999 Batty Bishop, George Bishop	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2024	1998 Barnham		1998 N. Wilkins	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2025	1998 Barnham		1998 D. Davison	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2025	1998 Barnham		1998 I. Barker	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2025	18/04/2000	18 Westworth Clus, Barn	2000 Anne Whitham	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2025	01/05/2000	Eastgate	2000 Anne Whitham	495500
insect. butterfly. Pieris napi	Green veined white	1 Present	5/8/2025	18/04/2000 West Sussex VC13	Barnham, Westworth Clus	2000 Anne Whitham	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2026	1995	Wandley Copse, Barnham	1995 Batty Bishop, George Bishop	495500
insect. butterfly. Pieris napi	Green veined white	2 Adult	5/8/2025	07/05/1996 Wandley Copse		1996 Batty Bishop	495500
insect. butterfly. Pieris napi	Green veined white	2 Adult	5/8/2026	08/09/1996 Wandley Copse		1996 Batty Bishop	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2026	05/05/1997 Wandley Copse		1997 Batty Bishop	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2026	05/08/1997 Wandley Copse		1997 Batty Bishop	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2026	04/08/1997	Wandley Copse, Woberts	1998 Batty Bishop	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2027	1998 Sindon CP	Sindon Common	1998 J. Duggan Rees	495500
insect. butterfly. Pieris napi	Green veined white	1 Adult	5/8/2027	01/05/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Anthracinus cardamines	Orange tip	1 Adult	5/8/2024	1998 Barnham		1998 N. Wilkins	495500
insect. butterfly. Anthracinus cardamines	Orange tip	1 Adult	5/8/2025	04/04/2000	18 Westworth Clus, Barn	2000 Anne Whitham	495500
insect. butterfly. Anthracinus cardamines	Orange tip	2 Present	5/8/2026	1995	Wandley Copse, Barnham	1995 Batty Bishop, George Bishop	495500
insect. butterfly. Anthracinus cardamines	Orange tip	1 Adult	5/8/2026	07/05/1996 Wandley Copse		1996 Batty Bishop	495500
insect. butterfly. Anthracinus cardamines	Orange tip	2 Adult	5/8/2026	05/05/1998	Wandley Copse, Woberts	1998 Batty Bishop	495500
insect. butterfly. Anthracinus cardamines	Orange tip	1 Adult	5/8/2026	1998 Wanderton CP	Walberton	1998 P. Parsons	495500
insect. butterfly. Anthracinus cardamines	Orange tip	1 Adult	5/8/2027	1998 Sindon CP	Sindon Common	1998 J. Duggan Rees	495500
insect. butterfly. Anthracinus cardamines	Orange tip	1 Adult	5/8/2027	01/04/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Anthracinus cardamines	Orange tip	1 Adult	5/8/2027	01/05/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Lycaena phlaeas	Small Copper	1 Adult	5/8/2025	1998 Aldingbourne		1998 Dee Christiansen	495500
insect. butterfly. Lycaena phlaeas	Small Copper	1 Adult	5/8/2025	1998 Eastgate CP	Eastgate	1998 T. Philc	495500
insect. butterfly. Lycaena phlaeas	Small Copper	1 Adult	5/8/2024	1998 Barnham		1998 N. Wilkins	495500
insect. butterfly. Lycaena phlaeas	Small Copper	1 Adult	5/8/2024	04/07/2000	Seven Sisters	2000 Anne Whitham	495500
insect. butterfly. Lycaena phlaeas	Small Copper	1 Adult	5/8/2025	1998 Barnham		1998 D. Davison	495500
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insect. butterfly. Lycaena phlaeas	Common Blue	1 Adult	5/8/2024	1998 Barnham		1998 N. Dulcis	495500
insect. butterfly. Lycaena phlaeas	Common Blue	1 Adult	5/8/2026	1998 Wanderton CP	Walberton	1998 P. Parsons	495500
insect. butterfly. Polyommatus icarus	Common Blue	1 Adult	5/8/2026	15/08/1999 Nyon		1999 P&R Dayjoyce Day	495500
insect. butterfly. Polyommatus icarus	Common Blue	2 Adult	5/8/2024	11/08/2010 West Sussex VC13	Libury	1996 Christopher Pennells	495500
insect. butterfly. Polyommatus icarus	Common Blue	20 Adult	5/8/2026	04/05/2000 Fonthwell Racecourse SMC		2000 Ben Rainbow	495500
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insect. butterfly. Polyommatus icarus	Common Blue	1 Adult	5/8/2025	1998 Barnham		1998 I. Barker	495500
insect. butterfly. Polyommatus icarus	Common Blue	2 Adult	5/8/2026	25/05/1999	Sindon/Rewell (SW) Wooo	1996 Jim Steadman/Judith Steadman	495500
insect. butterfly. Polyommatus icarus	Common Blue	1 Adult	5/8/2026	1998 Wanderton CP	Sindon Common	1998 P. Parsons	495500
insect. butterfly. Polyommatus icarus	Common Blue	1 Adult	5/8/2027	1998 Sindon CP	Sindon Common	1998 J. Duggan Rees	495500
insect. butterfly. Calixta agestis	Holly Blue	1 Adult	5/8/2025	1998 Aldingbourne		1998 Dee Christiansen	495500
insect. butterfly. Calixta agestis	Holly Blue	1 Adult	5/8/2025	1998 Blue		1998 A. Symonds	495500
insect. butterfly. Calixta agestis	Holly Blue	2 Adult	5/8/2024	11/08/1996	Libury	1996 Christopher Pennells	495500
insect. butterfly. Calixta agestis	Holly Blue	1 Adult	5/8/2025	22/04/2004 Barnham		2004 Anne Whitham	495500
insect. butterfly. Calixta agestis	Holly Blue	2 Adult	5/8/2025	22/04/2000 West Sussex VC13	Barnham, Westworth Clus	2000 Anne Whitham	495500
insect. butterfly. Calixta agestis	Holly Blue	2 Adult	5/8/2026	07/05/1996 Wandley Copse		1996 Batty Bishop	495500
insect. butterfly. Calixta agestis	Holly Blue	1 Adult	5/8/2026	06/05/1997 Wandley Copse		1997 Batty Bishop	495500
insect. butterfly. Calixta agestis	Holly Blue	2 Adult	5/8/2026	04/08/1998	Wandley Copse, Woberts	1998 Batty Bishop	495500
insect. butterfly. Calixta agestis	Holly Blue	1 Adult	5/8/2026	11/05/1996	Sindon/Rewell (SW) Wooo	1996 Jim Steadman/Judith Steadman	495500
insect. butterfly. Calixta agestis	Holly Blue	1 Adult	5/8/2027	1998 Blue		1998 J. Duggan Rees	495500
insect. butterfly. Calixta agestis	Holly Blue	1 Adult	5/8/2027	01/04/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Calixta agestis	Holly Blue	2 Adult	5/8/2027	01/05/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Limenitis camilla	White Admiral	Present/Adult	5/8/2027	08/07/1997	Sindon NF (SLUG 01)	1997 Mark Taffer	495500
insect. butterfly. Agastis iris	Purple Emperor	1 Adult	5/8/2024	28/07/2000	10 Elmroth Place, Westley	2000 Jan Cate	495500
insect. butterfly. Agastis iris	Purple Emperor	1 Adult	5/8/2025	28/07/2000	Wandley Copse, Barnham	2000 Jan Cate	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2025	1998 Aldingbourne		1998 Dee Christiansen	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2024	10/07/2000	10 Elmroth Place, Westley	2000 Jan Cate	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2025	1998 Wanderton CP		1998 P. Parsons	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2025	10/07/2000	Wandley Copse, Barnham	2000 Jan Cate	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2025	10/07/2000	Eastgate	1998 T. Philc	495500
insect. butterfly. Vanessa atalanta	Red Admiral	2 Present	5/8/2025	21/05/2000 West Sussex VC13	Eastgate	2010 Anon @ M&S Big Butterfly Count	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2024	1998 Barnham		1998 N. Wilkins	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2027	05/05/2000	West Barnham	2000 Anne Whitham	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2025	1998 Barnham		1998 D. Davison	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2025	1998 Barnham		1998 I. Barker	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2026	05/05/2000	18 Westworth Clus, Barn	2000 Anne Whitham	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Present	5/8/2025	21/05/2000 West Sussex VC13	Barnham, Westworth Clus	2000 Anne Whitham	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2026	1995	Wandley Copse, Barnham	1995 Batty Bishop, George Bishop	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2026	05/08/1996 Wandley Copse		1996 Batty Bishop	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2026	06/05/1997 Wandley Copse		1997 Batty Bishop	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2026	04/08/1998	Wandley Copse, Woberts	1998 Batty Bishop	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2026	11/05/1996	Sindon/Rewell (SW) Wooo	1996 Jim Steadman/Judith Steadman	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2027	1998 Blue		1998 J. Duggan Rees	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2027	01/04/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2027	01/05/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2027	08/07/1997	Sindon NF (SLUG 01)	1997 Mark Taffer	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2027	1998 Sindon CP	Sindon Common	1998 J. Duggan Rees	495500
insect. butterfly. Vanessa atalanta	Red Admiral	1 Adult	5/8/2027	01/05/1999 Sindon CP	Sindon Common	1999 Josephine Rees	495500
insect. butterfly. Vanessa atalanta	Red Admiral	8 Present	5/8/2401	24/07/2010 West Sussex VC13	Aldingbourne	2010 Anon @ M&S Big Butterfly Count	495500
insect. butterfly. Vanessa atalanta	Painted Lady	1 Adult	5/8/2024	24/07/2000	10 Elmroth Place, Westley	2000 Jan Cate	495500
insect. butterfly. Vanessa atalanta	Painted Lady	10 20 Adult	5/8/2024	11/08/1996	Libury	1996 Christopher Pennells	495500
insect. butterfly. Vanessa atalanta	Painted Lady	1 Adult	5/8/2026	04/05/2000 Fonthwell Racecourse SMC		2000 Ben Rainbow	495500
insect. butterfly. Vanessa atalanta	Painted Lady	1 Adult	5/8/2025	18/07/2004 Barnham		2004 Anne Whitham	495500
insect. butterfly. Vanessa atalanta	Painted Lady	1 Adult	5/8/2025	19/08/2000	Eastgate	2000 Anne Whitham	495500
insect. butterfly. Vanessa atalanta	Painted Lady	1 Present	5/8/2025	21/05/2000 West Sussex VC13	Barnham, Westworth Clus	2000 Anne Whitham	495500
insect. butterfly. Vanessa atalanta	Painted Lady	1 Adult	5/8/2026	08/09/1996 Wandley Copse		1996 Batty Bishop	495500
insect. butterfly. Vanessa atalanta	Painted Lady	2 Adult	5/8/2026	05/05/1998	Sindon/Rewell (SW) Wooo	1996 Jim Steadman/Judith Steadman	495500
insect. butterfly. Vanessa atalanta	Painted Lady	1 Adult	5/8/2026	1998 Wanderton CP	Sindon Common	1998 P. Parsons	495500
insect. butterfly. Vanessa atalanta	Painted Lady	1 Adult	5/8/2027	1998 Sindon CP	Sindon Common	1998 J. Duggan Rees	495500
insect. butterfly. Vanessa atalanta	Small Tortoiseshell	1 Adult	5/8/2025	1998 Aldingbourne		1998 Dee Christiansen	495500
insect. butterfly. Aglais urticae	Small Tortoiseshell	1 Adult	5/8/2029	18/04/1998	Libury	1998 John Knight	495500
insect. butterfly. Aglais urticae	Small Tortoiseshell	1 Adult	5/				

ARUN DISTRICT COUNCIL EG/6/18/RES

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bnd	Delichon urbicum	House Martin	1 Present	S18805	10/06/2007	240 Westergate		2007 Anon @ BTO Garden Bird Watch	+17/05, +24/05, (dates represent week beginning)	489000
bnd	Delichon urbicum	House Martin	20 Present	S1841084	11/06/2006	Libury Sewage Works	Libury Sewage Works	2006 Sussex Ornithological Society		484750
bnd	Delichon urbicum	House Martin	50 Present	S18504	24/09/2004	Barnham	Barnham	2004 Sussex Ornithological Society	(Probably breeding - observed in suitable habitat)	485500
bnd	Delichon urbicum	House Martin	6 Present	S18054	01/06/2008	Barnham		2008 Sussex Ornithological Society		485500
bnd	Delichon urbicum	House Martin	11 Present	S18050	18/05/2005	North Barnham	North Barnham	1985 Sussex Ornithological Society	(12/11/06)	485500
bnd	Delichon urbicum	House Martin	50 Present	S18050	18/05/1995	North Barnham	North Barnham	1995 Sussex Ornithological Society		485500
bnd	Delichon urbicum	House Martin	8 Present	S1858052	18/04/2008	North Barnham	North Barnham	2005 Sussex Ornithological Society		485800
bnd	Delichon urbicum	House Martin	2 Present	S1858050	07/06/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	(2/11/06)	485800
bnd	Delichon urbicum	House Martin	2 Present	S1858050	18/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	(12/11/06)	485800
bnd	Delichon urbicum	House Martin	1 Present	S1858050	15/05/2010	North Barnham	North Barnham	2010 Sussex Ornithological Society	Flock (Migrants)	485800
bnd	Delichon urbicum	House Martin	20 Present	S1858050	12/09/2010	North Barnham	Barnham Libury Rifle	2010 Sussex Ornithological Society		485750
bnd	Anthus pratensis	Meadow Pipit	2 Present	S1857034	20/09/2005	North Barnham	Libury Rifle	2005 Sussex Ornithological Society		485750
bnd	Monticola cinerea	Grey Wagtail	1 Present	S18050	12/11/2007	365 Westergate		2007 Anon @ BTO Garden Bird Watch	+26/11, (dates represent week beginning)	489500
bnd	Monticola cinerea	Grey Wagtail	1 Present	S1840539	08/02/1999	Barnham	Barnham	1999 Sussex Ornithological Society		484500
bnd	Monticola cinerea	Grey Wagtail	1 Present	S1840539	02/04/1999	Barnham	Barnham	1999 Sussex Ornithological Society	LIBURY SEWAGE WORKS	484500
bnd	Monticola cinerea	Grey Wagtail	1 Present	S1850205	07/10/1990	Barnham	Barnham	1990 Sussex Ornithological Society	CLIFTON HALL	485000
bnd	Monticola cinerea	Grey Wagtail	1 Present	S1850205	08/02/1999	Barnham	Barnham	1999 Sussex Ornithological Society	TITLE BARN BARNHAM	485000
bnd	Monticola alba	Pied Wagtail	21 Present	S1840539	08/02/1999	Barnham	Barnham	1999 Sussex Ornithological Society	LIBURY SEWAGE WORKS	484500
bnd	Monticola alba	Pied Wagtail	16 Present	S1846039	02/02/1995	Libury Sewage Works	Libury Sewage Works	1995 Sussex Ornithological Society		484600
bnd	Monticola alba	Pied Wagtail	16 Present	S1846039	06/02/1995	Libury Sewage Works	Libury Sewage Works	1995 Sussex Ornithological Society		484600
bnd	Monticola alba	Pied Wagtail	4 Present	S1846039	01/12/1995	Libury Sewage Works	Libury Sewage Works	1995 Sussex Ornithological Society		484600
bnd	Monticola alba	Pied Wagtail	1 Present	S1846039	09/07/1998	Libury Sewage Works	Libury Sewage Works	1998 Sussex Ornithological Society	with food (Confirmed breeding)	484600
bnd	Monticola alba	Pied Wagtail	25 Present	S1846039	19/12/2004	Libury Sewage Works	Libury Sewage Works	2004 Sussex Ornithological Society	flushed together	484600
bnd	Monticola alba	Pied Wagtail	25 Present	S1846039	01/08/2006	Libury Sewage Works	Libury Sewage Works	2006 Sussex Ornithological Society	9/01/07	484600
bnd	Monticola alba subsp. yverhilli	Pied Wagtail	1 Present	S1846058	06/05/2004	Foswell Racecourse (SXI)	Foswell Racecourse (SXI)	2004 Simon Curson	A race had been built in jeans on washing line within two days No eggs (Prob/Pos breeding)	484600
bnd	Tringoides tringoides	Wren	1 Present	S18050	01/04/2005	Norton in Westgate	Norton in Westgate	2005 Anon @ SOS Website		482500
bnd	Tringoides tringoides	Wren	1 Present	S1858050	10/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	(LAI)	485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	10/10/2004	North Barnham	North Barnham	2004 Sussex Ornithological Society	Prob/Pos breeding	485800
bnd	Tringoides tringoides	Wren	2 Present	S1858050	07/09/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	+1 13* and most of year (Prob/Pos breeding)	485800
bnd	Tringoides tringoides	Wren	2 Present	S1858050	10/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	Singing M (Prob/Pos breeding) (LAI)	485800
bnd	Tringoides tringoides	Wren	1 Male	S1858050	20/06/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	18/09/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Male	S1858050	05/04/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Singing (Probably breeding) (LAI) (LAI)	485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	01/07/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	All summer (Probably breeding) (LAI) (LAI)	485800
bnd	Tringoides tringoides	Wren	1 Male	S1858058	25/06/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Still singing, jays not actually seen	485800
bnd	Tringoides tringoides	Wren	1 Male	S1858050	06/07/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	(Probably breeding) (LAI) (LAI)	485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	08/11/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	12/09/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	27/05/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society	Probably 2 nests but not seen (Probably breeding - territory holding 1+ week apart)	485800
bnd	Tringoides tringoides	Wren	2 Present	S1858050	07/06/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society	Adults + jay (Confirmed breeding - recently fledged young) (LAI)	485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	01/07/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society	(Probably breeding - Territory holding 1+ week apart)	485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	20/09/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	26/10/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	29/11/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	11/12/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	09/01/2008	North Barnham	North Barnham	2008 Sussex Ornithological Society	(Probably breeding - observed in suitable habitat)	485800
bnd	Tringoides tringoides	Wren	2 Present	S1858050	05/06/2008	North Barnham	North Barnham	2008 Sussex Ornithological Society	Jay with adult, others not seen (Confirmed breeding - recently fledged young) (LAI)	485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	28/12/2008	North Barnham	North Barnham	2008 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	08/01/2009	North Barnham	North Barnham	2009 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	22/09/2009	North Barnham	North Barnham	2009 Sussex Ornithological Society	Probably nesting in old stump near shed. (Probably breeding - observed in suitable habitat)	485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	09/05/2009	North Barnham	North Barnham	2009 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	2 Present	S1858050	28/06/2009	North Barnham	North Barnham	2009 Sussex Ornithological Society	Probably 1 juv (Confirmed breeding - recently fledged young)	485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	27/08/2009	North Barnham	North Barnham	2009 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	31/10/2009	North Barnham	North Barnham	2009 Sussex Ornithological Society		485800
bnd	Tringoides tringoides	Wren	1 Present	S1858050	26/12/2010	North Barnham	North Barnham	2010 Sussex Ornithological Society	Heard in Crematis above office	485800
bnd	Tringoides tringoides	Wren	4 Present	S18050	28/07/2008	Walberton nr Arundel	Walberton nr Arundel	2008 Sussex Ornithological Society	Ad + 3 juvs in garden (Confirmed breeding)	486000
bnd	Tringoides tringoides	Wren	3 Present	S18050	02/01/2008	Foswell		2008 Sussex Ornithological Society		486000
bnd	Tringoides tringoides	Wren	1 Present	S18050	02/02/2008	365 Walberton nr Arundel		2008 BTO Birdtrack data	+ 3 on 26/02, (Nw 2 26/02)	486000
bnd	Tringoides tringoides	Wren	1 Present	S18050	18/02/2008	Foswell		2008 BTO Birdtrack data		486000
bnd	Tringoides tringoides	Wren	8 Present	S18050	16/02/2008	Walberton nr Arundel		2008 BTO Birdtrack data	month maw (Probably breeding - Territory holding 1+ week apart)	486000
bnd	Tringoides tringoides	Wren	4 Present	S18050	14/05/2008	Foswell		2008 BTO Birdtrack data		486000
bnd	Tringoides tringoides	Wren	1 Present	S18050	26/01/2009	Foswell		2009 BTO Birdtrack data		486000
bnd	Tringoides tringoides	Wren	2 Present	S18050	07/12/2009	Walberton nr Arundel		2009 BTO Birdtrack data		486000
bnd	Tringoides tringoides	Wren	4 Present	S18050	15/04/2010	Foswell		2010 BTO Birdtrack data		486000
bnd	Tringoides tringoides	Wren	1 Present	S18050	12/07/2010	Foswell		2010 BTO Birdtrack data	(Probably breeding - singing male or breeding cubs)	486000
bnd	Tringoides tringoides	Wren	1 Present	S18050	24/09/2010	Foswell		2010 BTO Birdtrack data		486000
bnd	Tringoides tringoides	Wren	8 Present	S18050	18/11/2010	Foswell		2010 BTO Birdtrack data		486000
bnd	Prinella modularis	Hedge Accentor	8 Present	S1810384	29/12/2008	Barnham		2008 Sussex Ornithological Society		485750
bnd	Prinella modularis	Doncock	2 Present	S1858050	06/06/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society		485800
bnd	Prinella modularis	Doncock	1 Male	S1858050	04/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	ju following Ad (Confirmed breeding) (LAI)	485800
bnd	Prinella modularis	Doncock	1 Present	S1858050	25/06/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	Singing garden (LAI) (LAI)	485800
bnd	Prinella modularis	Doncock	2 Present	S1858050	02/02/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	One singing in 2/6 (Prob/Pos breeding) (LAI) (LAI)	485800
bnd	Prinella modularis	Doncock	2 Present	S1858050	18/08/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society		485800
bnd	Prinella modularis	Doncock	1 Male	S1858050	05/04/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Singing (Probably breed ing) (LAI) (LAI)	485800
bnd	Prinella modularis	Doncock	1 Present	S1858050	18/09/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	(Probably breeding)	485800
bnd	Prinella modularis	Doncock	1 Present	S1858050	24/09/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Chasing round garden, looked adult	485800
bnd	Prinella modularis	Doncock	1 Present	S1858050	25/06/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	(Probably breeding)	485800
bnd	Prinella modularis	Doncock	1 Present	S1858050	09/07/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Heard present rest of year but not recorded	485800
bnd	Prinella modularis	Hedge Accentor	3 Present	S1858050	02/02/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society		485800
bnd	Prinella modularis	Hedge Accentor	3 Present	S1858050	01/08/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society	+2 singing 11/08 (Probably breeding - singing male or in breeding cubs)	485800
bnd	Prinella modularis	Hedge Accentor	1 Present	S1858050	14/06/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society	(Probably breeding - Territory holding 1+ week apart)	485800
bnd	Prinella modularis	Hedge Accentor	1 Present	S1858050	18/01/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society	(Probably breeding - Territory holding 1+ week apart)	485800
bnd	Prinella modularis	Hedge Accentor	1 Present	S1858050	19/12/2007	North Barnham	North Barnham	2007 Sussex Ornithological Society		485800
bnd	Prinella modularis	Hedge Accentor	2 Present	S1858050	24/01/2008	North Barnham	North Barnham	2008 Sussex Ornithological Society	ALL YEAR, PROBABLY BREED	485800
bnd	Prinella modularis	Hedge Accentor	2 Present	S1858050	14/02/2009	North Barnham	North Barnham	2009 Sussex Ornithological Society	Heard and seen all year and mated. (Probably breeding - Pair in suitable habitat)	485800
bnd	Prinella modularis	Hedge Accentor	2 Present	S1858050	22/08/2009	North Barnham	North Barnham	2009 Sussex Ornithological Society	Singing already +2 09/01	485800
bnd	Prinella modularis	Hedge Accentor	2 Present	S1858050	02/01/2010	North Barnham	North Barnham	2010 Sussex Ornithological Society		485800
bnd	Prinella modularis	Doncock	4 Present	S18050	25/02/2010	North Barnham	Walberton nr Arundel	2010 Sussex Ornithological Society	Firting but not seen much for rest of year (Confirmed breeding) (LAI)	486000
bnd	Prinella modularis	Doncock	2 Present	S18050	25/06/1999	Walberton nr Arundel	Walberton nr Arundel	1999 Sussex Ornithological Society	One juv feeder (Confirmed breeding)	486000
bnd	Prinella modularis	Doncock	2 Present	S18050	16/01/2009	Walberton nr Arundel	Walberton nr Arundel	2009 Sussex Ornithological Society	2 ads + juvs at feeder (Confirmed breeding)	486000
bnd	Prinella modularis	Doncock	6 Present	S18050	25/07/2009	Walberton nr Arundel	Walberton nr Arundel	2009 Sussex Ornithological Society	+ 2 on 26/02, (Nw 2 26/02)	486000
bnd	Prinella modularis	Hedge Accentor	1 Present	S18050	06/02/2008	Aldingbourne		2008 BTO Birdtrack data		486000
bnd	Prinella modularis	Hedge Accentor	8 Present	S18050	18/02/2008	Foswell		2008 BTO Birdtrack data		486000
bnd	Prinella modularis	Hedge Accentor	2 Present	S18050	26/02/2008	Walberton nr Arundel		2008 BTO Birdtrack data	month maw (Probably breeding - observed in suitable habitat)	486000
bnd	Prinella modularis	Hedge Accentor	1 Present	S18050	14/05/2008	Foswell		2008 BTO Birdtrack data		486000
bnd	Prinella modularis	Hedge Accentor	1 Present	S18050	26/01/2009	Foswell		2009 BTO Birdtrack data		486000
bnd	Erithacus rubecula	European Robin	2 Present	S1804046	24/04/2008	North Barnham		2008 Sussex Ornithological Society	first juv, small as wren (Confirmed breeding - recently fledged young) (LAI)	484900
bnd	Erithacus rubecula	European Robin	2 Present	S1807021	22/09/1998	North Barnham	North Barnham	1998 Sussex Ornithological Society	Present all year (Prob/Pos breeding)	485750
bnd	Erithacus rubecula	European Robin	1 Present	S1858050	10/06/2004	North Barnham	North Barnham	2004 Sussex Ornithological Society	fresh juv (Confirmed breeding) (LAI)	485800
bnd	Erithacus rubecula	European Robin	1 Present	S1858050	06/01/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	juv showned fed already (Confirmed breeding)	485800
bnd	Erithacus rubecula	European Robin	2 Present	S1858050	25/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	One singing 1/7/9. Chicks heard in nest +2 10/4 (Confirmed breeding)	485800
bnd	Erithacus rubecula	European Robin	2 Present	S1858050	25/06/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society		485800
bnd	Erithacus rubecula	European Robin	2 Present	S1858050	15/07/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	1 juv, +2 30/6 (Confirmed breeding) (LAI)	485800
bnd	Erithacus rubecula	European Robin	2 Present	S1858050	02/08/2005	362 North Barnham	North Barnham	2005 Sussex Ornithological Society	Second brood of juvs (Confirmed breeding) (LAI)	485800
bnd	Erithacus rubecula	European Robin	1 Present	S1858050	02/02/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	first of year	485800
bnd	Erithacus rubecula	European Robin	1 Present	S1858050	18/04/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	(Probably breeding)	485800
bnd	Erithacus rubecula	European Robin	1 Present	S1858050	01/04/20					

bvd	Erithacus rubecula	European Robin	2 Present	SUR9850	29/11/2008 North Barnham	2008 Sussex Ornithological Society		495850	
bvd	Erithacus rubecula	European Robin	2 Present	SUR9850	28/12/2008 North Barnham	2008 Sussex Ornithological Society		495850	
bvd	Erithacus rubecula	European Robin	1 Present	SUR9850	10/01/2009 North Barnham	2009 Sussex Ornithological Society		495850	
bvd	Erithacus rubecula	European Robin	1 Present	SUR9850	11/02/2009 North Barnham	2009 Sussex Ornithological Society		495850	
bvd	Erithacus rubecula	European Robin	1 Present	SUR9850	22/04/2009 North Barnham	2009 Sussex Ornithological Society	(Possibly breeding - observed in suitable habitat)	495850	
bvd	Erithacus rubecula	European Robin	1 Present	SUR9850	22/05/2009 North Barnham	2009 Sussex Ornithological Society	juvenile on fence (Confirmed breeding recently fledged young) (1A)	495850	
bvd	Erithacus rubecula	European Robin	1 Present	SUR9850	28/08/2009 North Barnham	2009 Sussex Ornithological Society	All month but not sure how many (1M)	495850	
bvd	Erithacus rubecula	European Robin	1 Present	SUR9850	09/09/2009 North Barnham	2009 Sussex Ornithological Society	Singing near house	495850	
bvd	Erithacus rubecula	European Robin	2 Present	SUR9850	15/10/2009 North Barnham	2009 Sussex Ornithological Society		495850	
bvd	Erithacus rubecula	European Robin	1 Present	SUR9850	09/01/2010 North Barnham	2010 Sussex Ornithological Society		495850	
bvd	Erithacus rubecula	European Robin	1 Present	SUR9850	25/02/2010 North Barnham	2010 Sussex Ornithological Society	Foraging (Probably breeding - Territory holding 1+ week apart)	495850	
bvd	Erithacus rubecula	European Robin	1 Present	SUR9850	28/04/2010 North Barnham	2010 Sussex Ornithological Society	juv being fed (Confirmed breeding recently fledged young) (2A)	495850	
bvd	Erithacus rubecula	European Robin	8 Present	SUR9850	08/05/2010 North Barnham	2010 Sussex Ornithological Society		495850	
bvd	Erithacus rubecula	European Robin	2 Present	SUR9850	27/06/2010 North Barnham	2010 Sussex Ornithological Society	Newly fledged second brood (Confirmed breeding - recently fledged young) (2A)	495850	
bvd	Erithacus rubecula	European Robin	2 Present	SUR9850	02/12/2010 North Barnham	2010 Sussex Ornithological Society		495850	
bvd	Erithacus rubecula	European Robin	4 Present	SUR626	18/01/2008 Wallberton nr Arundel	Wallberton nr Arundel	Ad + 3 juvs at feeder (Confirmed breeding)	496000	
bvd	Erithacus rubecula	European Robin	8 Present	SUR626	20/01/2008 Fossewell	2008 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	9 Present	SUR626	26/01/2008 Barnham	2008 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	7 Present	SUR626	02/02/2008 25/6 Wallberton nr Arundel	2008 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	13 Present	SUR626	06/02/2008 Adleghbourne	2008 BTO Birdtrack data	+ 14 on 26/02; (Max 14 - 26/02)	496000	
bvd	Erithacus rubecula	European Robin	12 Present	SUR626	18/02/2008 Fossewell	2008 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	14 Present	SUR626	26/02/2008 Wallberton nr Arundel	2008 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	10 Present	SUR626	14/05/2008 Fossewell	2008 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	1 Present	SUR626	26/01/2009 Fossewell	2009 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	6 Present	SUR626	02/12/2009 Fossewell	2009 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	12 Present	SUR626	19/04/2010 Fossewell	2010 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	9 Present	SUR626	16/04/2010 Fossewell	2010 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	9 Present	SUR626	24/05/2010 Fossewell	2010 BTO Birdtrack data		496000	
bvd	Erithacus rubecula	European Robin	1 Present	SUR626	18/11/2010 Fossewell	2010 BTO Birdtrack data		496000	
bvd	Phoenicurus phoenicurus	Common Redstart	1 Present	SUR90394	14/08/2008 Lidsay Sewage Works	2006 Sussex Ornithological Society		4950700	
bvd	Phoenicurus phoenicurus	Common Redstart	1 Present	SUR626	18/08/1998 Wallberton nr Arundel	Wallberton nr Arundel	juv on several occasions after 13/8	496000	
bvd	Saxicola rubetra	Whinchat	1 Present	SUR626	29/04/1998 Barnham	Barnham	single	495950	
bvd	Saxicola rubetra	Stonechat	1 Present	SUR626	28/12/2008 Barnham	Barnham	PAIR	495950	
bvd	Saxicola torquata	Stonechat	1 Female	SUR626	05/12/1998 Barnham	Barnham	OLD CANAL (1A)	495950	
bvd	Oenanthe isabellina	Northern Wheatear	2 Present	SUR626	21/08/2008 North Barnham	2005 Sussex Ornithological Society	red at SUR626, both graduated	495950	
bvd	Oenanthe isabellina	Northern Wheatear	1 Present	SUR626	28/08/2010 Wallberton nr Arundel	Wallberton nr Arundel	2 pairs and 5 singing in nest (Probably breeding) (1M) (2A)	496000	
bvd	Turdus merula	Blackbird	9 Male	SUR405	29/09/2005 Eastingate CP	Eastingate	Ad male carrying food at roadside (Confirmed breeding - faecal sac or food carrying to nest)	494910	
bvd	Turdus merula	Common Blackbird	1 Present	SUR405	05/05/2005 Eastingate CP	Eastingate	2 juvs heard (Confirmed breeding - faecal sac or food carrying to nest)	494910	
bvd	Turdus merula	Common Blackbird	2 Present	SUR5204	05/05/2005 North Barnham	2008 Sussex Ornithological Society	Male juv. Adul. carrying food for 2nd brood (Confirmed breeding - recently fledged young) (1A)	495750	
bvd	Turdus merula	Blackbird	1 Present, 1 Male	SUR5701	27/04/1998 North Barnham	North Barnham	Paired (Prob/Poss breeding) (1M) (2A)	495750	
bvd	Turdus merula	Blackbird	1 Present, 1 Male	SUR5850	01/04/2001 North Barnham	North Barnham	2001 Sussex Ornithological Society	On nest (Confirmed breeding) (1M) (2A)	495850
bvd	Turdus merula	Blackbird	4 Present	SUR5850	08/05/2002 North Barnham	North Barnham	9 juvs (lost) Sparrowhawk (Confirmed breeding) (1A)	495850	
bvd	Turdus merula	Blackbird	5 Present	SUR5701	18/05/2003 North Barnham	North Barnham	2 nest (Confirmed breeding)	495750	
bvd	Turdus merula	Blackbird	4 Present	SUR5850	01/01/2005 North Barnham	North Barnham	8 & 8, 2 juv (Confirmed breeding) (2A)	495850	
bvd	Turdus merula	Blackbird	5 Present	SUR5850	08/01/2005 North Barnham	North Barnham	2005 Sussex Ornithological Society	Grass	495850
bvd	Turdus merula	Blackbird	4 Present	SUR5850	22/02/2005 North Barnham	North Barnham	2 pairs nesting (1M) (2A)	495850	
bvd	Turdus merula	Blackbird	2 Male, 2 Present	SUR5850	01/05/2005 North Barnham	North Barnham	2 pairs and 5 singing in nest (Prob/Poss breeding) (1M) (2A)	495850	
bvd	Turdus merula	Blackbird	2 Present, 7 Male	SUR5850	01/04/2005 North Barnham	North Barnham	2005 Sussex Ornithological Society	Only makes seen, chicks heard (Confirmed breeding)	495850
bvd	Turdus merula	Blackbird	2 Present	SUR5850	18/05/2005 North Barnham	North Barnham	2005 Sussex Ornithological Society	M & F juvs + 20% (Confirmed breeding) (1A)	495850
bvd	Turdus merula	Blackbird	3 Present	SUR5850	30/05/2005 North Barnham	North Barnham	2005 Sussex Ornithological Society		495850
bvd	Turdus merula	Blackbird	3 Present	SUR5850	06/01/2005 North Barnham	North Barnham	2005 Sussex Ornithological Society	2 juv fed by P (Confirmed breeding) (2A)	495850
bvd	Turdus merula	Blackbird	4 Present	SUR5850	08/08/2005 North Barnham	North Barnham	2005 Sussex Ornithological Society	2 juv second brood (Confirmed breeding) (2A)	495850
bvd	Turdus merula	Blackbird	5 Present	SUR5850	11/12/2005 North Barnham	North Barnham	2005 Sussex Ornithological Society	(2A)	495850
bvd	Turdus merula	Blackbird	3 Present	SUR5850	01/02/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	All adults, striped berries	495850
bvd	Turdus merula	Blackbird	2 Male	SUR5850	01/08/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	Dispersing territory	495850
bvd	Turdus merula	Blackbird	1 Male, 1 Present	SUR5850	09/04/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	Not gathering nesting (Probably breeding) (1M) (2A)	495850
bvd	Turdus merula	Blackbird	2 Male	SUR5850	09/04/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	2 males on 1 on nest? (Probably breeding) (2M) (2A)	495850
bvd	Turdus merula	Blackbird	1 Male, 1 Present	SUR5850	21/04/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	Nest with up to 4 juv (Confirmed breeding) (1M) (2A)	495850
bvd	Turdus merula	Blackbird	4 Present	SUR5850	26/04/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	2M, 1 juv & 1 juv in nest (Confirmed breeding) (1A)	495850
bvd	Turdus merula	Blackbird	2 Present	SUR5850	01/05/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	(Confirmed breeding)	495850
bvd	Turdus merula	Blackbird	2 Present	SUR5850	11/05/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	juvs on lawn (Confirmed breeding) (2A)	495850
bvd	Turdus merula	Blackbird	4 Present	SUR5850	29/06/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	M & 3 juv (Confirmed breeding) (2A)	495850
bvd	Turdus merula	Blackbird	1 Present	SUR5850	09/07/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	Second brood heard in nest (Confirmed breeding) (1A) (2A)	495850
bvd	Turdus merula	Blackbird	2 Present	SUR5850	28/12/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	(Confirmed breeding) (2A)	495850
bvd	Turdus merula	Blackbird	3 Present	SUR5850	02/12/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	All 3 singing (P)	495850
bvd	Turdus merula	Blackbird	1 Present, 2 Male	SUR5850	14/12/2006 North Barnham	North Barnham	2006 Sussex Ornithological Society	(2M)	495850
bvd	Turdus merula	Common Blackbird	1 Male, 1 Present	SUR5850	12/09/2007 North Barnham	2007 Sussex Ornithological Society	(Probably breeding - Territory holding 1+ week apart) (M) (2A)		495850
bvd	Turdus merula	Common Blackbird	1 Present, 2 Male	SUR5850	31/08/2007 North Barnham	2007 Sussex Ornithological Society	M dissolving + carrying worms (Confirmed breeding - faecal sac or food carrying to nest) (1M) (2A)		495850
bvd	Turdus merula	Common Blackbird	1 Present	SUR5850	31/08/2007 North Barnham	2007 Sussex Ornithological Society	(Confirmed breeding - faecal sac or food carrying to nest) (1M) (2A)		495850
bvd	Turdus merula	Common Blackbird	3 Present	SUR5850	20/09/2007 North Barnham	2007 Sussex Ornithological Society	(Confirmed breeding - faecal sac or food carrying to nest) (1M) (2A)		495850
bvd	Turdus merula	Common Blackbird	1 Present	SUR5850	26/10/2007 North Barnham	2007 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	4 Present	SUR5850	08/11/2007 North Barnham	2007 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	1 Male	SUR5850	11/12/2007 North Barnham	2007 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	2 Male	SUR5850	24/01/2008 North Barnham	2008 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	2 Male	SUR5850	02/02/2008 North Barnham	2008 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	1 Present	SUR5850	29/05/2008 North Barnham	2008 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	2 Present	SUR5850	04/01/2008 North Barnham	2008 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	4 Present	SUR5850	28/12/2008 North Barnham	2008 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	3 Present	SUR5850	10/01/2009 North Barnham	2009 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	1 Male, 2 Present	SUR5850	02/02/2009 North Barnham	2009 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	2 Present	SUR5850	11/02/2009 North Barnham	2009 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	2 Male	SUR5850	01/08/2009 North Barnham	2009 Sussex Ornithological Society	Male chasing each other (Migrant) (2M) (Migrant) (1M)	495850	
bvd	Turdus merula	Common Blackbird	1 Male, 2 Present	SUR5850	22/08/2009 North Barnham	2009 Sussex Ornithological Society	On eggs (Confirmed breeding - nest with eggs) (P)	495850	
bvd	Turdus merula	Common Blackbird	1 Female	SUR5850	05/06/2009 North Barnham	2009 Sussex Ornithological Society	Hatched chicks (Confirmed breeding - nest with young) (1M) (2A)	495850	
bvd	Turdus merula	Common Blackbird	1 Present, 1 Male	SUR5850	18/05/2009 North Barnham	2009 Sussex Ornithological Society	Fledged juv heard (Confirmed breeding recently fledged young) (1A)	495850	
bvd	Turdus merula	Common Blackbird	1 Present	SUR5850	20/05/2009 North Barnham	2009 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	1 Present	SUR5850	09/01/2009 North Barnham	2009 Sussex Ornithological Society	Big juv probably 1st brood (Confirmed breeding - recently fledged young) - Two chicks fledged but at least 2 others dead. (Confirmed breeding - recently fledged young) (2M)	495850	
bvd	Turdus merula	Common Blackbird	2 Present	SUR5850	29/01/2009 North Barnham	2009 Sussex Ornithological Society	At least one young juv heard from 2nd brood (Confirmed breeding - recently fledged young) (1A)	495850	
bvd	Turdus merula	Common Blackbird	1 Present	SUR5850	08/08/2009 North Barnham	2009 Sussex Ornithological Society	fledged young (1A)	495850	
bvd	Turdus merula	Common Blackbird	1 Present, 1 Male	SUR5850	09/09/2009 North Barnham	2009 Sussex Ornithological Society	Male and other (1M)	495850	
bvd	Turdus merula	Common Blackbird	2 Present	SUR5850	17/10/2009 North Barnham	2009 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	1 Male, 2 Present	SUR5850	18/12/2009 North Barnham	2009 Sussex Ornithological Society	1M, 2F at least, nearly finished berries. (1M)	495850	
bvd	Turdus merula	Common Blackbird	3 Present	SUR5850	02/02/2010 North Barnham	2010 Sussex Ornithological Society	After berries + 2 08/02 at least	495850	
bvd	Turdus merula	Common Blackbird	3 Present	SUR5850	25/02/2010 North Barnham	2010 Sussex Ornithological Society	M & F at least at dusk	495850	
bvd	Turdus merula	Common Blackbird		SUR5850			Third nesting attempt, 4 eggs predated before 08/05 (Confirmed breeding - nest with eggs)	495850	
bvd	Turdus merula	Common Blackbird		SUR5850	25/04/2010 North Barnham	2010 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird		SUR5850	29/06/2010 North Barnham	2010 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird	1 Present	SUR5850	16/08/2010 North Barnham	2010 Sussex Ornithological Society	Early young bird in village (Confirmed breeding - recently fledged young) (1A)	495850	
bvd	Turdus merula	Common Blackbird	2 Present	SUR5850	22/10/2010 North Barnham	2010 Sussex Ornithological Society		495850	
bvd	Turdus merula	Common Blackbird		SUR5850	02/12/2010 North Barnham	2010 Sussex Ornithological Society	Nearly all males in deep snow, 4C. Other territories in Barnham (Prob/Poss breeding) (1M) (2A)	496000	
bvd	Turdus merula	Blackbird	5 Male	SUR6045	18/04/2005 North Barnham	North Barnham	2005 Sussex Ornithological Society	food in beaks (Confirmed breeding) (1M) (2A)	496000
bvd	Turdus merula	Blackbird	1 Male, 1 Present	SUR626	25/06/1998 Wallberton nr Arundel	Wallberton nr Arundel	1998 Sussex Ornithological Society	juvs at feeder (Confirmed breeding)	496000
bvd	Turdus merula	Blackbird	2 Present	SUR626	30/07/2008 Wallberton nr Arundel	Wallberton nr Arundel	2008 Sussex Ornithological Society		496000
bvd	Turdus merula	Common Blackbird	2 Present	SUR626	20/01/2008 Fossewell	2008 BTO Birdtrack data		496000	
bvd	T								

bnd	Turdus pilaris	Halffare	1 Present	S16406	02/04/2007	Foswell		2007 Anon @ BTO Garden Bird Watch		(data represent week beginning)	494000
bnd	Turdus pilaris	Halffare	294 Present	S16404	14/02/1998	North Barnham		2007 Anon @ BTO Garden Bird Watch			495000
bnd	Turdus pilaris	Halffare	12 Present	S164448	09/09/2006	Barnham		2006 Sussex Ornithological Society		Loose flock	495400
bnd	Turdus pilaris	Halffare	5 Present	S1651050	23/11/2007	Barnham		2007 Sussex Ornithological Society			495100
bnd	Turdus pilaris	Halffare	80 Present	S1678500	14/05/2009	North Barnham		2009 Sussex Ornithological Society			495900
bnd	Turdus pilaris	Halffare	10 Present	S1683850	16/01/2008	North Barnham		2008 Sussex Ornithological Society		Ring S +15 13/01	495800
bnd	Turdus pilaris	Halffare	85 Present	S1683850	16/02/2008	North Barnham		2008 Sussex Ornithological Society		(20 7 hrs W)	495800
bnd	Turdus pilaris	Halffare	2 Present	S1683850	18/12/2008	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus pilaris	Halffare	3 Present	S1683850	18/02/2009	North Barnham		2010 Sussex Ornithological Society		feeding prob aples 30-50	495900
bnd	Turdus pilaris	Halffare	30 Present	S1683850	09/01/2010	North Barnham		2010 Sussex Ornithological Society		V-cold and 3 inches snow	495800
bnd	Turdus pilaris	Halffare	8 Present	S1683850	27/12/2010	North Barnham		2010 Sussex Ornithological Society		High frost pm	495800
bnd	Turdus pilaris	Halffare	8 Present	S1683850	18/01/2010	Barnham		2010 Sussex Ornithological Society			495800
bnd	Turdus pilaris	Halffare	3 Present	S1683850	02/12/2008	Foswell		2009 BTO Birdtrack data			495000
bnd	Turdus philomelos	Song Thrush	1 Present	S1625060	27/12/2007	Norton nr Westgate		2007 Anon @ SOS Website			495200
bnd	Turdus philomelos	Song Thrush	1 Present	S163804	24/12/2007	Westgate		2007 Anon @ BTO Garden Bird Watch		(data represent week beginning)	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S163805	02/04/2007	300 Westgate		2007 Anon @ BTO Garden Bird Watch		+09/04 +16/04 +16/04 +23/04 +30/04	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S163805	07/05/2007	210 Westgate		2007 Anon @ BTO Garden Bird Watch		(data represent week beginning)	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S163805	04/05/2007	250 Westgate		2007 Anon @ BTO Garden Bird Watch		+14/05 +21/05 (data represent week beginning)	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S163805	02/01/2007	300 Westgate		2007 Anon @ BTO Garden Bird Watch		+11/05 +18/05 +25/05 (data represent week beginning)	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S163805	26/12/2007	Westgate		2007 Anon @ BTO Garden Bird Watch		+09/01 +16/01 +23/01 +30/01 (data represent week beginning)	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S163805	2009 Westgate (C13)	Northfields, Linc. Westgate		2009 Anon @ BTO Garden Bird Watch		(data represent week beginning)	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S16406	35/04/2007	300 Westgate		2007 Anon @ BTO Garden Bird Watch		Regular sightings	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S16406	07/05/2007	280 Westgate		2007 Anon @ BTO Garden Bird Watch		+23/04 +30/04 (data represent week beginning)	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S16406	11/05/2007	Foswell		2007 Anon @ BTO Garden Bird Watch		+14/05 +21/05 +28/05 (data represent week beginning)	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S1653035	12/01/2009	Barnham		2008 Sussex Ornithological Society		(data represent week beginning)	495900
bnd	Turdus philomelos	Song Thrush	1 Male	S1653041	11/05/2007	North Barnham		2007 Sussex Ornithological Society		(Possibly breeding - singing male or breeding calls)	495900
bnd	Turdus philomelos	Song Thrush	4 Present	S1651050	13/05/2008	North Barnham		2008 Sussex Ornithological Society		Singing M (Possibly breeding - observed in suitable habitat) (IM) (SAC)	495900
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	02/11/2008	North Barnham		2009 Sussex Ornithological Society		Phedings being fed (Confirmed breeding) (SAC)	495700
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	02/11/2008	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	02/02/2009	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	08/03/2009	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus philomelos	Song Thrush	2 Present	S1653850	11/02/2009	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	16/03/2009	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus philomelos	Song Thrush	1 Male	S1653850	21/04/2009	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus philomelos	Song Thrush	1 Male	S1653850	14/05/2008	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	29/11/2007	North Barnham		2007 Sussex Ornithological Society		+11/10/06 (Probably breeding) (IM) (SAC)	495800
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	02/02/2008	North Barnham		2008 Sussex Ornithological Society		Male visit (IM) (SAC)	495800
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	02/02/2008	North Barnham		2008 Sussex Ornithological Society		1 juv. Also 23/02	495800
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	14/02/2009	North Barnham		2009 Sussex Ornithological Society		Also 13/02	495800
bnd	Turdus philomelos	Song Thrush	1 Male	S1653850	03/09/2009	North Barnham		2009 Sussex Ornithological Society		Singing high up (IM)	495800
bnd	Turdus philomelos	Song Thrush	1 Male	S1653850	03/09/2009	North Barnham		2009 Sussex Ornithological Society		Sudden short visit at 2300 hrs (Probably breeding - observed in suitable habitat) (IM)	495800
bnd	Turdus philomelos	Song Thrush	1 Male	S1653850	09/02/2009	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	02/02/2010	North Barnham		2010 Sussex Ornithological Society		Scatter these days	495800
bnd	Turdus philomelos	Song Thrush	1 Present	S1653850	28/12/2009	North Barnham		2010 Sussex Ornithological Society		Scatter these days	495800
bnd	Turdus philomelos	Song Thrush	2 Male	S1656047	02/09/2008	North Barnham		2008 Sussex Ornithological Society		(IM) (SAC)	495800
bnd	Turdus philomelos	Song Thrush	6 Present	S1653850	02/01/2009	Foswell		2008 BTO Birdtrack data		all singing	495000
bnd	Turdus philomelos	Song Thrush	3 Present	S1653850	24/02/2009	Walberton nr Arundel		2008 BTO Birdtrack data		+1 in 20/02	495000
bnd	Turdus philomelos	Song Thrush	3 Present	S16504	04/02/2008	Alldingbourne		2008 BTO Birdtrack data		(Probably breeding - singing male or breeding calls)	495000
bnd	Turdus philomelos	Song Thrush	1 Present	S16504	14/05/2008	Foswell		2008 BTO Birdtrack data			495000
bnd	Turdus philomelos	Song Thrush	1 Present	S16504	26/01/2009	Foswell		2009 BTO Birdtrack data			495000
bnd	Turdus philomelos	Song Thrush	1 Present	S16504	18/09/2010	Foswell		2010 BTO Birdtrack data			495000
bnd	Turdus iliacus	Redwing	1 Present	S1656336	16/04/2010	Foswell		2010 BTO Birdtrack data			495000
bnd	Turdus iliacus	Redwing	3 Present	S1653850	16/03/2009	North Barnham		2009 Sussex Ornithological Society			495800
bnd	Turdus iliacus	Redwing	2 Present	S1653850	02/11/2009	North Barnham		2009 Sussex Ornithological Society		Heard at night	495800
bnd	Turdus iliacus	Redwing	2 Present	S1653850	02/11/2009	North Barnham		2009 Sussex Ornithological Society		5 along calls at 2200	495800
bnd	Turdus iliacus	Redwing	7 Present	S1653850	04/02/2009	North Barnham		2009 Sussex Ornithological Society		1 heard and another heard at 2300	495800
bnd	Turdus iliacus	Redwing	2 Present	S1653850	29/02/2009	North Barnham		2009 Sussex Ornithological Society		Clear of snow in rough grass	495800
bnd	Turdus iliacus	Redwing	6 Present	S1653850	10/01/2010	North Barnham		2010 Sussex Ornithological Society		Heard overhead at 3pm on city night	495800
bnd	Turdus iliacus	Redwing	6 Present	S165604	02/02/2009	North Barnham		2009 Sussex Ornithological Society		Also +13/03	495800
bnd	Turdus iliacus	Redwing	3 Present	S16504	06/02/2008	Alldingbourne		2008 BTO Birdtrack data		Seen near dusk	495000
bnd	Turdus viscivorus	Male Thrush	2 Not specified	S164628	12/10/2009	Foswell Racecourse IMC1		2009 BTO Birdtrack data			495000
bnd	Turdus viscivorus	Male Thrush	1 Present	S16406	16/04/2007	Foswell		2007 Anon @ BTO Garden Bird Watch		(data represent week beginning)	495000
bnd	Turdus viscivorus	Male Thrush	1 Present	S16406	07/05/2007	Foswell		2007 Anon @ BTO Garden Bird Watch		(data represent week beginning)	495000
bnd	Turdus viscivorus	Male Thrush	1 Present	S16504	06/02/2008	Alldingbourne		2008 BTO Birdtrack data		(Probably breeding - singing male or breeding calls)	495000
bnd	Turdus viscivorus	Male Thrush	1 Present	S16504	14/05/2008	Foswell		2008 BTO Birdtrack data			495000
bnd	Upupa epops	Common Brimstone Warbler	1 Present	S1653047	22/04/1998	Barnham		1998 Sussex Ornithological Society		singing in new field (Probably breeding)	495100
bnd	Acrocephalus schoenobaenus	Sedge Warbler	1 Present	S1650382	11/05/1999	Lidsey Old Canal & Tlp		1999 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Sedge Warbler	2 Present	S1650382	11/05/1999	Lidsey Old Canal & Tlp		1999 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Sedge Warbler	1 Present	S165394	14/05/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Sedge Warbler	1 Male	S1650394	11/05/2006	Lidsey Sewage Works		2006 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Sedge Warbler	2 Male	S165632	11/05/2006	Barnham		2006 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Sedge Warbler	2 Present	S165394	20/05/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler	2 Present	S165394	23/04/2008	Barnham		2008 Sussex Ornithological Society		singing (Confirmed breeding)	495000
bnd	Acrocephalus schoenobaenus	Eurasian Reed Warbler									

bnd	Agathilus caudatus	Long tailed Tit	15	Present	SUR90048	05/05/2008	North Barnham		2008 Sussex Ornithological Society	Big family party moving along hedgerow (Confirmed breeding - recently fledged young)	495050
bnd	Agathilus caudatus	Long tailed Tit	20	Present	SUR90850	05/07/1999	North Barnham	North Barnham	1999 Sussex Ornithological Society	North Barnham	495050
bnd	Agathilus caudatus	Long tailed Tit	4	Present	SUR91500	18/07/2000	North Barnham	North Barnham	2000 Sussex Ornithological Society	Regular family party	495750
bnd	Agathilus caudatus	Long tailed Tit	2	Present	SUR90850	18/02/2004	North Barnham	North Barnham	2004 Sussex Ornithological Society	(Probably breeding)	495850
bnd	Agathilus caudatus	Long tailed Tit	2	Present	SUR90850	05/02/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Moving through	495850
bnd	Agathilus caudatus	Long tailed Tit	9	Present	SUR90850	14/12/2006	North Barnham		2006 Sussex Ornithological Society		495850
bnd	Agathilus caudatus	Long tailed Tit	2	Present	SUR90850	05/08/2006	North Barnham		2007 Sussex Ornithological Society	family party	495850
bnd	Agathilus caudatus	Long tailed Tit	8	Present	SUR90850	27/05/2007	North Barnham		2007 Sussex Ornithological Society	family party + 24/06/	495850
bnd	Agathilus caudatus	Long tailed Tit	6	Present	SUR90850	07/04/2007	North Barnham		2007 Sussex Ornithological Society	family party	495850
bnd	Agathilus caudatus	Long tailed Tit	6	Present	SUR90850	04/12/2007	North Barnham		2007 Sussex Ornithological Society	(Probably breeding - observed in suitable habitat)	495850
bnd	Agathilus caudatus	Long tailed Tit	2	Present	SUR90850	08/09/2008	North Barnham		2008 Sussex Ornithological Society	family party (Confirmed breeding - recently fledged young)	495850
bnd	Agathilus caudatus	Long tailed Tit	8	Present	SUR90850	11/03/2008	North Barnham		2008 Sussex Ornithological Society	family party	495850
bnd	Agathilus caudatus	Long tailed Tit	8	Present	SUR90850	04/11/2008	North Barnham		2008 Sussex Ornithological Society	(Probably breeding - observed in suitable habitat)	495850
bnd	Agathilus caudatus	Long tailed Tit	5	Present	SUR90850	28/06/2009	North Barnham		2009 Sussex Ornithological Society		495850
bnd	Agathilus caudatus	Long tailed Tit	4	Present	SUR90850	27/08/2009	North Barnham		2009 Sussex Ornithological Society		495850
bnd	Agathilus caudatus	Long tailed Tit	4	Present	SUR90850	12/10/2009	North Barnham		2009 Sussex Ornithological Society		495850
bnd	Agathilus caudatus	Long tailed Tit	4	Present	SUR90850	22/12/2009	North Barnham		2009 Sussex Ornithological Society	Recent visitor	495850
bnd	Agathilus caudatus	Long tailed Tit	6	Present	SUR90850	18/08/2010	North Barnham		2010 Sussex Ornithological Society	Often passing through all year	495850
bnd	Agathilus caudatus	Long tailed Tit	2	Present	SUR90850	20/12/2010	North Barnham		2010 Sussex Ornithological Society		495850
bnd	Agathilus caudatus	Long tailed Tit	10	Present	SUR09	20/01/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Agathilus caudatus	Long tailed Tit	7	Present	SUR07	02/02/2008	Walberton nr Arundel		2008 BTO Birdtrack data		495000
bnd	Agathilus caudatus	Long tailed Tit	4	Present	SUR09	06/02/2008	Adlingbourne		2008 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR90850	18/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	One or two at any	495850
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR90850	04/03/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	(Probably breeding)	495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	21/04/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Buy about. Probably breeding (24C)	495850
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR90850	17/05/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society		495850
bnd	Cyanitis caeruleus	Blue Tit	3	Present	SUR90850	18/07/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Jays in bushes (Confirmed breeding) (BU)	495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	07/12/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Feeding the	495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	10/05/2007	North Barnham		2007 Sussex Ornithological Society	(Probably breeding - Territory holding 1+ week apart)	495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	27/05/2007	North Barnham		2007 Sussex Ornithological Society	Present all year (Probably breeding - territory holding 1+ week apart)	495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	24/02/2008	North Barnham		2008 Sussex Ornithological Society	All year (Probably breeding - Pair in suitable habitat)	495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	10/02/2009	North Barnham		2009 Sussex Ornithological Society		495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	02/02/2009	North Barnham		2009 Sussex Ornithological Society	(Probably breeding - Pair in suitable habitat)	495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	22/08/2009	North Barnham		2009 Sussex Ornithological Society		495850
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR90850	10/02/2010	North Barnham		2010 Sussex Ornithological Society	Present all year in ones or twos	495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	22/02/2010	North Barnham		2010 Sussex Ornithological Society		495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	29/08/2010	North Barnham		2010 Sussex Ornithological Society		495850
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR90850	30/07/2005	Walberton nr Arundel	Walberton nr Arundel	2005 Sussex Ornithological Society	Jays at feeder (Confirmed breeding)	495000
bnd	Cyanitis caeruleus	Blue Tit	5	Present	SUR05	20/01/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	4	Present	SUR05	20/01/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	8	Present	SUR07	02/02/2008	25C Walberton nr Arundel		2008 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	8	Present	SUR09	06/02/2008	Adlingbourne		2008 BTO Birdtrack data	+ 1 on 26/02,	495000
bnd	Cyanitis caeruleus	Blue Tit	5	Present	SUR09	18/02/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR09	14/05/2008	Fanswell		2008 BTO Birdtrack data	(Probably breeding - observed in suitable habitat)	495000
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR09	26/01/2009	Fanswell		2009 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR09	02/12/2009	Fanswell		2009 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR09	19/03/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	2	Present	SUR09	16/04/2010	Fanswell		2010 BTO Birdtrack data	(Probably breeding - observed in suitable habitat)	495000
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR09	12/01/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR09	04/09/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Cyanitis caeruleus	Blue Tit	1	Present	SUR09	18/11/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	1	Present	SUR90850	18/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	Always around, not noted	495850
bnd	Parus major	Great Tit	2	Present	SUR90850	05/06/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	(Probably breeding)	495850
bnd	Parus major	Great Tit	1	Present	SUR90850	05/04/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	(Probably breeding)	495850
bnd	Parus major	Great Tit	1	Present	SUR90850	18/05/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	(Probably breeding - Pair in suitable habitat) (24C)	495850
bnd	Parus major	Great Tit	2	Present	SUR90850	12/09/2007	North Barnham		2007 Sussex Ornithological Society	Adult+ juv (Confirmed breeding - recently fledged young) (LUV)	495850
bnd	Parus major	Great Tit	2	Present	SUR90850	09/04/2007	North Barnham		2007 Sussex Ornithological Society	(Probably breeding - singing male or breeding calls)	495850
bnd	Parus major	Great Tit	2	Present	SUR90850	31/05/2007	North Barnham		2007 Sussex Ornithological Society		495850
bnd	Parus major	Great Tit	2	Present	SUR90850	04/02/2008	North Barnham		2008 Sussex Ornithological Society		495850
bnd	Parus major	Great Tit	1	Present	SUR90850	18/03/2008	North Barnham		2008 Sussex Ornithological Society		495850
bnd	Parus major	Great Tit	1	Male, 1 Present	SUR90850	09/04/2008	North Barnham		2008 Sussex Ornithological Society	Pair (Probably breeding - observed in suitable habitat) (24C) (24D)	495850
bnd	Parus major	Great Tit	1	Present	SUR90850	04/02/2009	North Barnham		2009 Sussex Ornithological Society	Singing	495850
bnd	Parus major	Great Tit	2	Present	SUR90850	11/02/2009	North Barnham		2009 Sussex Ornithological Society		495850
bnd	Parus major	Great Tit	1	Present	SUR90850	22/08/2009	North Barnham		2009 Sussex Ornithological Society	Probably bred but not noted	495850
bnd	Parus major	Great Tit	2	Present	SUR90850	02/08/2010	North Barnham		2010 Sussex Ornithological Society		495850
bnd	Parus major	Great Tit	1	Present	SUR90850	21/02/2010	North Barnham		2010 Sussex Ornithological Society	(Probably breeding - observed in suitable habitat)	495850
bnd	Parus major	Great Tit	2	Present	SUR90850	30/04/2010	North Barnham		2010 Sussex Ornithological Society		495850
bnd	Parus major	Great Tit	2	Present	SUR90850	11/07/2010	North Barnham		2010 Sussex Ornithological Society		495850
bnd	Parus major	Great Tit	2	Present	SUR90850	14/07/2008	Walberton nr Arundel	Walberton nr Arundel	2008 Sussex Ornithological Society	Jays at feeder (Confirmed breeding)	495000
bnd	Parus major	Great Tit	2	Present	SUR09	20/01/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	7	Present	SUR05	27/01/2008	Barnham		2008 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	8	Present	SUR07	02/02/2008	25C Walberton nr Arundel		2008 BTO Birdtrack data	+ 3 on 26/02,	495000
bnd	Parus major	Great Tit	3	Present	SUR09	06/02/2008	Adlingbourne		2008 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	2	Present	SUR09	18/02/2008	Fanswell		2008 BTO Birdtrack data	(Probably breeding - Pair in suitable habitat)	495000
bnd	Parus major	Great Tit	4	Present	SUR09	14/05/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	1	Present	SUR09	26/01/2009	Fanswell		2009 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	2	Present	SUR09	02/12/2009	Fanswell		2009 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	6	Present	SUR09	19/03/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	1	Present	SUR09	16/04/2010	Fanswell		2010 BTO Birdtrack data	(Probably breeding - singing male or breeding calls)	495000
bnd	Parus major	Great Tit	1	Present	SUR09	12/01/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	1	Present	SUR09	04/09/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Parus major	Great Tit	1	Present	SUR09	18/11/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Periparus ater	Coal Tit	1	Present	SUR90850	11/01/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	24/06 (data represent week beginning)	494000
bnd	Periparus ater	Coal Tit	4	Present	SUR90850	11/01/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	Heavy party (Probably breeding)	494850
bnd	Periparus ater	Coal Tit	1	Present	SUR90850	22/11/2006	North Barnham		2006 Sussex Ornithological Society	Also 24/11	494850
bnd	Periparus ater	Coal Tit	1	Present	SUR90850	14/02/2006	North Barnham		2006 Sussex Ornithological Society		494850
bnd	Periparus ater	Coal Tit	1	Present	SUR90850	18/09/2009	North Barnham		2009 Sussex Ornithological Society		495000
bnd	Periparus ater	Coal Tit	1	Present	SUR09	02/02/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Periparus ater	Coal Tit	2	Present	SUR09	18/02/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Periparus ater	Coal Tit	2	Present	SUR09	02/02/2009	Fanswell		2009 BTO Birdtrack data		495000
bnd	Periparus ater	Coal Tit	1	Present	SUR09	06/02/2009	Fanswell		2009 BTO Birdtrack data		495000
bnd	Periparus ater	Coal Tit	1	Present	SUR09	02/12/2009	Fanswell		2009 BTO Birdtrack data		495000
bnd	Poecetes griseus	Maral Tit	2	Present	SUR9066	06/02/1999	Walberton nr Arundel	Walberton nr Arundel	1999 Sussex Ornithological Society	2 juvs at feeder (Confirmed breeding)	495000
bnd	Poecetes griseus	Maral Tit	2	Present	SUR9066	15/07/2000	Walberton nr Arundel		2000 Sussex Ornithological Society		495000
bnd	Poecetes griseus	Maral Tit	3	Present	SUR09	20/01/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Poecetes griseus	Maral Tit	1	Present	SUR09	18/02/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Sitta europaea	Wood Nuthatch	1	Present	SUR9046	08/04/2007	Fanswell		2007 Sussex Ornithological Society	2007 Anon @ BTO Garden bird watch (data represent week beginning)	494000
bnd	Sitta europaea	Wood Nuthatch			SUR90850	29/06/2010	North Barnham		2010 Sussex Ornithological Society	Infrequent. Probably breeding - singing male or breeding calls (19A)	495850
bnd	Sitta europaea	Wood Nuthatch	1	Male	SUR90850	05/01/2010	North Barnham		2010 Sussex Ornithological Society	Infrequent. Probably breeding - singing male or breeding calls (19A)	495850
bnd	Sitta europaea	Wood Nuthatch	1	Present	SUR9066	29/07/2000	Walberton nr Arundel	Walberton nr Arundel	2000 Sussex Ornithological Society	At a feeder	495000
bnd	Sitta europaea	Wood Nuthatch	2	Present	SUR09	20/01/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Sitta europaea	Wood Nuthatch	5	Present	SUR07	02/02/2008	Walberton nr Arundel		2008 BTO Birdtrack data		495000
bnd	Sitta europaea	Wood Nuthatch	2	Present	SUR09	18/02/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Sitta europaea	Wood Nuthatch	2	Present	SUR09	20/01/2008	Fanswell		2008 BTO Birdtrack data		495000
bnd	Sitta europaea	Wood Nuthatch	2	Present	SUR09	02/12/2009	Fanswell		2009 BTO Birdtrack data		495000
bnd	Sitta europaea	Wood Nuthatch	1	Present	SUR09	19/03/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Sitta europaea	Wood Nuthatch	2	Present	SUR09	16/04/2010	Fanswell		2010 BTO Birdtrack data	(Probably breeding - singing male or breeding calls)	495000
bnd	Sitta europaea	Wood Nuthatch			SUR09	12/01/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Sitta europaea	Wood Nuthatch			SUR09	24/09/2010	Fanswell		2010 BTO Birdtrack data		495000
bnd	Sitta europaea	Wood Nuthatch			SUR09	22/12/2010	North Barnham		2010 Sussex Ornithological Society	Not here for 3 decades!	494850
bnd	Certhia familiaris	Eurasian Treecreeper	1	Present	SUR90850	22/12/2010	North Barnham	Stinton Woods, Barnham	1995 Sussex Ornithological Society	Partial feeding (Prob/Pos breeding) On adjacent field	495000
bnd	Certhia familiaris	Eurasian Treecreeper	2	Present	SUR9067	22/04/1995	Stinton Woods		2005 Sussex Ornithological Society		495000
bnd	Gemulus glandarius	Eurasian Jay	1</								

bird	Cornus monedula	Eurasian jackdaw	8 Present	S180N	15/09/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus monedula	Eurasian jackdaw		S180N	16/04/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus monedula	Eurasian jackdaw		S180N	24/09/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus monedula	Eurasian jackdaw		S180N	19/11/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus Flugilaps	Rock	14 Present	S1888593	20/04/1996	Walsgate	Walsgate	1996 Anon @ 1996 Rock Survey	498850
bird	Cornus Flugilaps	Rock	3 Present	S1845055	05/04/2007	Barnham		2007 Sussex Ornithological Society	494510
bird	Cornus Flugilaps	Rock	45 Present	S1856395	24/05/1996	Barnham	Barnham	1996 Anon @ 1996 Rock Survey	495630
bird	Cornus Flugilaps	Rock	1 Present	S1856395	20/04/1996	Barnham	Barnham	1996 Anon @ 1996 Rock Survey	495630
bird	Cornus Flugilaps	Rock	4 Present	S185104	20/04/1993	Barnham		1993 Sussex Ornithological Society	495100
bird	Cornus Flugilaps	Rock	39 Present	S1851046	20/04/1996	Barnham		1996 Anon @ 1996 Rock Survey	495100
bird	Cornus Flugilaps	Rock	16 Present	S1856047	08/04/2003	Barnham		2003 Sussex Ornithological Society	495630
bird	Cornus Flugilaps	Rock	8 Present	S1851047	07/03/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	495510
bird	Cornus Flugilaps	Rock	24 Present	S1858043	10/05/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	13 Present	S1851048	08/04/2005	Barnham		2005 Sussex Ornithological Society	495510
bird	Cornus Flugilaps	Rock	41 Present	S1851044	08/04/2005	Barnham		2005 Sussex Ornithological Society	495510
bird	Cornus Flugilaps	Rock	80 Present	S1859043	23/01/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	495910
bird	Cornus Flugilaps	Rock	45 Present	S1851044	10/04/2005	Barnham		2005 Sussex Ornithological Society	495510
bird	Cornus Flugilaps	Rock	14 Present	S1851048	10/04/2006	Barnham		2006 Sussex Ornithological Society	495630
bird	Cornus Flugilaps	Rock	12 Present	S1851048	05/04/2007	Barnham		2007 Sussex Ornithological Society	495630
bird	Cornus Flugilaps	Rock	4 Present	S1851048	05/04/2007	Barnham		2007 Sussex Ornithological Society	495630
bird	Cornus Flugilaps	Rock	41 Present	S1858044	05/04/2007	Barnham		2007 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	7 Present	S1856044	01/04/2008	Barnham		2008 Sussex Ornithological Society	495630
bird	Cornus Flugilaps	Rock	14 Present	S1856048	01/04/2008	Barnham		2008 Sussex Ornithological Society	495630
bird	Cornus Flugilaps	Rock	42 Present	S1858044	10/01/2010	North Barnham		2010 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	30 Present	S185104	08/04/2010	Barnham		2010 Sussex Ornithological Society	495510
bird	Cornus Flugilaps	Rock	40 Present	S1856041	25/04/2010	Barnham		2010 Sussex Ornithological Society	495630
bird	Cornus Flugilaps	Rock	12 Present	S1858055	27/05/2007	North Barnham		2007 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	100 Present	S1858055	14/09/2007	North Barnham		2007 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	6 Present	S1858050	20/02/2007	North Barnham		2007 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	8 Present	S1858050	24/02/2008	North Barnham		2008 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	3 Present	S1851055	01/04/2008	Barnham		2008 Sussex Ornithological Society	495150
bird	Cornus Flugilaps	Rock	25 Present	S1858054	01/04/2008	Barnham		2008 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	6 Present	S1858050	22/05/2008	North Barnham		2009 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	2 Present	S1858054	28/09/2008	lymster CP	lymster	2009 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	25 Present	S1858054	28/09/2008	Barnham		2009 Sussex Ornithological Society	495850
bird	Cornus Flugilaps	Rock	36 Present	S1860044	08/04/2003	Barnham	Barnham	2003 Sussex Ornithological Society	496000
bird	Cornus Flugilaps	Rock	2 Present	S180N	20/02/2008	fenwell		2008 BTO Bndtrack data	495000
bird	Cornus Flugilaps	Rock	14 Present	S180T	02/02/2008	350 Walberton nr Arundel		2008 BTO Bndtrack data	495000
bird	Cornus Flugilaps	Rock	3 Present	S180H	06/02/2008	Alidingsborne		2008 BTO Bndtrack data	495000
bird	Cornus Flugilaps	Rock	5 Present	S180N	18/02/2008	fenwell		2008 BTO Bndtrack data	495000
bird	Cornus Flugilaps	Rock	21 Present	S180T	06/02/2008	350 Walberton nr Arundel		2008 BTO Bndtrack data	495000
bird	Cornus Flugilaps	Rock	1 Present	S180N	02/12/2008	fenwell		2009 BTO Bndtrack data	495000
bird	Cornus Flugilaps	Rock	6 Present	S180N	16/04/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus Flugilaps	Rock	4 Present	S180N	24/09/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	5 Present	S1856041	25/04/2010	Barnham		2010 Sussex Ornithological Society	495630
bird	Cornus corone	Carton Cow	3 Present	S18054	14/04/2005	North Barnham		2010 BTO Bndtrack data	495630
bird	Cornus corone	Carton Cow	9 Present	S180N	20/05/2008	fenwell		2008 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	2 Present	S1805	27/02/2008	Barnham		2008 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	8 Present	S180T	02/02/2008	350 Walberton nr Arundel		2008 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	9 Present	S180H	06/02/2008	Alidingsborne		2008 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	5 Present	S180N	18/02/2008	fenwell		2008 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	9 Present	S180N	14/05/2008	fenwell		2008 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	3 Present	S180N	26/02/2009	fenwell		2009 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	9 Present	S180N	02/12/2009	fenwell		2009 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	4 Present	S180N	16/04/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow		S180N	16/04/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow		S180N	12/01/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow	2 Present	S180N	24/09/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Cornus corone	Carton Cow		S180N	18/11/2010	fenwell		2010 BTO Bndtrack data	495000
bird	Starnus vulgaris	Common Starling	70 Present	S1846389	01/11/1997	Lidsey Sewage Works	Lidsey Sewage Works	1997 Sussex Ornithological Society	494630
bird	Starnus vulgaris	Common Starling		S1846388	06/05/2004	Fenwell Racecourse SNCI		2004 Simon Curson	494630
bird	Starnus vulgaris	Common Starling	2 Present	S1851087	11/04/2005	Barnham	Barnham	2005 Sussex Ornithological Society	495150
bird	Starnus vulgaris	Common Starling	5000+ Rousing	S1851087	01/12/2009	West Sussex RVC18	60 Elm Grove South, Barnf North Barnham	2009 Allen Jones	495150
bird	Starnus vulgaris	Common Starling	200 Present	S1858050	22/08/2005	North Barnham		2005 Sussex Ornithological Society	495850
bird	Starnus vulgaris	Common Starling	6 Present	S1858050	27/05/2007	North Barnham		2007 Sussex Ornithological Society	495850
bird	Starnus vulgaris	Common Starling	6 Present	S1858050	04/09/2008	North Barnham		2008 Sussex Ornithological Society	495850
bird	Starnus vulgaris	Common Starling	20 Present	S1860041	09/05/2006	Barnham Lidsey RfA	Barnham Lidsey RfA	2006 Sussex Ornithological Society	496000
bird	Starnus vulgaris	Common Starling	1 Present	S18054	14/05/2008	fenwell		2008 BTO Bndtrack data	495000
bird	Starnus vulgaris	Common Starling	8 Present	S180H	06/02/2008	Alidingsborne		2008 BTO Bndtrack data	495000
bird	Passer domesticus	House Sparrow	10 Present	S1851087	01/09/2007	Barnham	Barnham	2007 Sussex Ornithological Society	495150
bird	Passer domesticus	House Sparrow	11 Present	S1851087	01/09/2008	Barnham	Barnham	2008 Sussex Ornithological Society	495150
bird	Passer domesticus	House Sparrow	10 Present	S1858049	02/06/2006	Barnham		2006 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	70 Present	S1858049	15/08/2010	Barnham		2010 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	50 Present	S1858049	08/09/2008	Barnham		2008 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	2 Present, 2 Male	S1851050	29/05/2003	North Barnham	North Barnham	2003 Sussex Ornithological Society	495150
bird	Passer domesticus	House Sparrow	2 Present	S1858050	11/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	4 Present	S1858050	02/02/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	7 Present	S1858050	01/11/2007	North Barnham		2007 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	8 Present	S1858050	11/12/2007	North Barnham		2008 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	6 Present	S1858050	24/02/2008	North Barnham		2008 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	5 Present	S1858050	23/08/2008	North Barnham		2008 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	12 Present	S1858050	28/12/2008	North Barnham		2008 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	12 Present	S1858050	02/02/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	10 Present	S1858050	14/02/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	10 Present	S1858050	01/04/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	4 Present	S1858050	28/06/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	5 Present	S1858050	09/07/2008	North Barnham		2008 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	10 Present	S1858050	18/12/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	8 Present	S1858050	8/12/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow		S1858050	19/11/2010	North Barnham		2010 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	10 Present	S1858050	10/12/2010	North Barnham		2010 Sussex Ornithological Society	495850
bird	Passer domesticus	House Sparrow	14 Present	S180H	06/02/2008	Alidingsborne		2008 BTO Bndtrack data	495000
bird	Fringilla coelebs	Chaffinch	1 Male	S1859046	07/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	495910
bird	Fringilla coelebs	Chaffinch	1 Male	S1858050	02/04/2005	North Barnham	North Barnham	2005 Sussex Ornithological Society	495850
bird	Fringilla coelebs	Chaffinch	1 Male	S1858050	09/04/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	495850
bird	Fringilla coelebs	Chaffinch	1 Present	S1858050	09/04/2006	North Barnham		2006 Sussex Ornithological Society	495850
bird	Fringilla coelebs	Chaffinch	1 Present	S1858050	07/04/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Fringilla coelebs	Chaffinch	1 Present	S1858050	22/08/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Fringilla coelebs	Chaffinch	2 Present	S1858050	25/02/2010	North Barnham		2010 Sussex Ornithological Society	495850
bird	Fringilla coelebs	Chaffinch	2 Present	S1849050	28/04/2010	North Barnham		2010 Sussex Ornithological Society	495910
bird	Fringilla coelebs	Chaffinch	2 Male	S1858050	30/08/2010	North Barnham		2010 Sussex Ornithological Society	495850
bird	Fringilla coelebs	Chaffinch	2 Present	S1805	27/02/2008	Barnham Lidsey RfA	Barnham Lidsey RfA	2008 BTO Bndtrack data	495000
bird	Fringilla coelebs	Chaffinch	4 Present	S180T	02/02/2008	350 Walberton nr Arundel		2008 BTO Bndtrack data	495000
bird	Fringilla coelebs	Chaffinch	3 Present	S180H	06/02/2008	Alidingsborne		2008 BTO Bndtrack data	495000
bird	Fringilla coelebs	Chaffinch	3 Present	S180N	18/02/2008	fenwell		2008 BTO Bndtrack data	495000
bird	Fringilla coelebs	Chaffinch	2 Present	S180N	14/05/2008	fenwell		2008 BTO Bndtrack data	495000
bird	Fringilla coelebs	Chaffinch	2 Present	S1858050	16/02/2006	North Barnham	North Barnham	2006 Sussex Ornithological Society	495850
bird	Fringilla coelebs	Chaffinch	1 Present	S1858050	12/04/2007	North Barnham		2007 Sussex Ornithological Society	495850
bird	Carduelis chloris	European Greenfinch	1 Present	S1858050	18/04/2008	North Barnham		2008 Sussex Ornithological Society	495850
bird	Carduelis chloris	European Greenfinch	2 Present	S1858050	11/02/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Carduelis chloris	European Greenfinch	1 Present	S1858050	22/08/2009	North Barnham		2009 Sussex Ornithological Society	495850
bird	Carduelis chloris	European Greenfinch	1 Present	S1858050	02/02/2010	North Barnham		2010 Sussex Ornithological Society	495850
bird	Carduelis chloris	European Greenfinch	4 Present	S1858050	30/11/2010	North Barnham		2010 Sussex Ornithological Society	495850
bird	Carduelis chloris	European Greenfinch	2 Present	S1806	16/07/2005	Walberton nr Arundel	Walberton nr Arundel	2005 Sussex Ornithological Society	495630
bird	Carduelis chloris	European Greenfinch	4 Present	S180H	06/02/2008	Alidingsborne		2008 BTO Bndtrack data	495000
bird	Carduelis carduelis	Goldfinch	4 Present	S1849038	09/07/1998	Lidsey Old Canal & Tip	Lidsey Old Canal & Tip	1998 Sussex Ornithological Society	494930
bird	Carduelis carduelis	Goldfinch	3 Present	S1858052	19/12/2010	Lidsey Old Canal & Tip		2010 Sussex Ornithological Society	495850
bird	Carduelis carduelis	European Goldfinch	1 Present	S1805	04/05/2007	710 Walsgate		2007 Anon @ BTO Garden bird watch	495000
bird	Carduelis carduelis	European Goldfinch	1 Present	S1805	15/02/2007	Walsgate		2007 Anon @ BTO Garden bird watch	495000
bird	Carduelis carduelis	European Goldfinch	1 Present	S1805	10/12/2007	Walsgate		2007 Anon @ BTO Garden bird watch	495000

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terrestrial mamm>Mus musculus	House Mouse	2 Present	SUR9048	18/01/2002 West Sussex (VC13)	50 Orchard Way, Barnham	2002 Neil Mitchell	Male and female caught in attic	495950
terrestrial mamm>Mus musculus	House Mouse	1 Present	SUR9048	11/01/2002 West Sussex (VC13)	50 Orchard Way, Barnham	2002 Neil Mitchell		495950
terrestrial mamm>Rattus norvegicus	Brown Rat	1 Present	SUR22048	28/09/2009 West Sussex (VC13)	Aldingbourne	2009 John Knight		482150
terrestrial mamm>Muscardinus peltatorius	Common Dormouse	1 Hibernating	SUR51065	08/11/2004 West Sussex (VC13)	Wandley Copse, Fordingwell	2004 John Knight	Alive, hibernating	495150
terrestrial mamm>Muscardinus arvalianus	Heath Dormouse	2 Nest	SUR51065	15/05/2008 29/1 Wandley Copse		2008 John Knight		495150
terrestrial mamm>Lepus europaeus	Brown Hare	1 Present	SUR46082	1995 West Sussex (VC13)	Between Barnham, Shipfr	1999 John Knight	Two nests found during Dormouse survey	494650
terrestrial mamm>Lepus europaeus	Brown Hare	Present Count	SUR606	1985 West Sussex (VC13)	Sindon	1985 Unknown		49500
terrestrial mamm>Oryctolagus cuniculus	Rabbit	1 Dead	SUR21059	06/01/2000 West Sussex (VC13)	82238 Norton	2000 Neil Mitchell		492150
terrestrial mamm>Oryctolagus cuniculus	Rabbit	1 Dead	SUR29658	22/07/2000 West Sussex (VC13)	Norton Lane, Norton	2000 Neil Mitchell		482950
terrestrial mamm>Oryctolagus cuniculus	Rabbit	1 Dead	SUR4050	28/09/1998 West Sussex (VC13)	82238 Barnham Road	1998 Neil Mitchell		495450
terrestrial mamm>Oryctolagus cuniculus	Rabbit	1 Dead	SUR20069	27/02/1997 West Sussex (VC13)	A29 Fordingwell	1997 Neil Mitchell		495050
terrestrial mamm>Oryctolagus cuniculus	Rabbit	10 Present	SUR51065	18/01/2002 West Sussex (VC13)	Wandley Copse, Woburn	2002 Neil Mitchell		495150
terrestrial mamm>Oryctolagus cuniculus	Rabbit	10 Present	SUR606	17/06/1998 West Sussex (VC13)	VC13 West Sussex	1998 W O Trapp	Sindon	49500
terrestrial mamm>Myodes glareolus	Bank Vole	1 Present	SUR32049	24/09/2010 240 West Sussex (VC13)	Brook's Nursery, Barnham	2010 Sophie Miller	during 10 like visits, seen a few times	495250
terrestrial mamm>Myodes glareolus	Bank Vole	1 Present	SUR51065	Jun 05 West Sussex (VC13)	VC13 West Sussex	2009 John Knight	Wandley Copse	495150
terrestrial mamm>Myodes glareolus	Bank Vole	2 Adult	SUR51065	25/02/2005 Wandley Copse	Wandley Copse	2005 John Knight		495150
terrestrial mamm>Myodes glareolus	Bank Vole	8 Adult	SUR51065	05/04/2005 Wandley Copse	Wandley Copse	2005 John Knight		495150
Lactuca serriola f. serriola	Lactuca serriola f. serriola	Present Taxon	SUR40290	26/09/2011 Barnham		2011 D. Donovan	Single plant on side of road	494050

APPENDIX B

Phase 1 Habitat Survey Target Notes

Target Notes

1. A group of farm buildings including a brick barn with corrugated tin roof in good condition and an assortment of partially collapsed derelict brick and corrugated iron barns and sheds that are becoming overgrown with Bramble (*Rubus fruticosus*) and Ivy (*Hedera helix*).
2. Dense patch of Bramble scrub at edge of field with occasional larger Elder (*Sambucus nigra*) trees and Dog-rose (*Rosa canina*) along with ruderal vegetation including Nettle (*Urtica dioica*), Creeping Thistle (*Cirsium arvense*), White Deadnettle (*Lamium album*), Lesser Burdock (*Arctium minus*), Red Campion (*Silene dioica*) and Ivy.
3. Species-poor semi-improved grassland subject to regular cutting and including parts heavily grazed by Rabbits. Dominant species within the grassland include Yorkshire Fog (*Holcus lanatus*), Annual Meadowgrass (*Poa annua*), Red Fescue (*Festuca rubra*), Creeping Buttercup (*Ranunculus repens*) and Selfheal (*Prunella vulgaris*) with less frequent species including Ground-ivy (*Glechoma hedereacea*), Common Vetch (*Vicia sativa*), Common Mouse-ear (*Cerastium fontanum*), Common Ragwort (*Senecio jacobaea*), Rough Meadowgrass (*Poa trivialis*), Hogweed (*Heracleum sphondylium*), False Oatgrass (*Arrhenatherum eliatum*), Lesser Stitchwort (*Stellaria graminea*) and Common Bird's-foot Trefoil (*Lotus corniculatus*).
4. A dense band of Cherry Laurel (*Prunus laurocerasus*) located on the site boundary and continuing northwards into the site along the access track. The shrub band grows up to 5-6m high and Ivy is dominant below. Nettle and Broad-leaved Dock (*Rumex obtusifolius*) are present along the edge of the shrub band.
5. Area of old orchard trees now highly overgrown with scrub. Fruit trees within the orchard area include mature Apple (*Malus domestica*) and Plum (*Prunus domestica*), many of which are dead or dying. Scrub species within the group include Blackthorn (*Prunus spinosa*), Elder, Dog-rose and Hawthorn (*Crateagus monogyna*) and ruderal species around the edge include Nettle, Creeping Thistle, Cow Parsley (*Anthriscus sylvestris*), Hogweed, Hedge Bindweed (*Calystegia sepium*), Ivy and Cleavers (*Galium aparine*).
6. Area of species-poor semi-improved grassland similar in composition to that described at Target Note 3. The area is relatively highly shaded by surrounding mature trees and contains a higher proportion of Common Ragwort with additional species including White Clover (*Trifolium repens*), Field Forget-me-not (*Myosotis arvensis*), Curled Dock (*Rumex crispus*) and Common Spotted-orchid (*Dactylorhiza fuchsii*).
7. A band of dense mature Hawthorn scrub with some Elder and Nettle dominant below. The ground flora also contains Cleavers, Ivy, Lords-and-ladies (*Arum maculatum*) and Enchanter's Nightshade (*Circaea lutetiana*).
8. A line of very tall Hybrid Black Poplar (*Populus x canadensis*) trees up to 20m. Several of these have dense Ivy growth up the trunk which has been recently cut at the base.
9. Old unmanaged orchard area similar to that described at Target Note 5 with mature Apple and Plum trees, many of which are dead or dying. Hawthorn and Elder scrub has become dominant throughout the area with occasional Dogwood (*Cornus sanguinea*) also present.
10. Species-poor semi-improved grassland forming a mosaic with scattered scrub and unmanaged orchard patches (Target Note 9). The grassland contains Yorkshire Fog, Rough Meadow-grass, False Oatgrass, Cock's-foot (*Dactylis glomerata*), Common Ragwort, Ground-ivy, Creeping Buttercup, Wood Dock (*Rumex sanguineus*), Common Mouse-ear and Field Forget-me-not with scattered patches of Hawthorn and Elder scrub. Some mown paths lead through the grassland/scrub mosaic.
11. Access track with a line of mature Hornbeam (*Carpinus betulus*) trees to the east which extends north from the site. A short line of Cypress (*Cupressus* sp.) trees is located to the west of the track.

12. A group of mature Cherry (*Prunus* sp.) trees growing at the edge of a dense overgrown orchard area. The ground below the trees is dominated by Nettle.
13. Continuation of the species-poor semi-improved grassland and scrub mosaic described at Target Note 10. Scattered scrub and ruderal species include Bramble, Elder, Hawthorn, Nettle, Creeping Thistle, Wood Dock and Hogweed.
14. Scattered trees and scrub along the road boundary includes scattered Elder and tall Cypress trees with a mature Bird Cherry (*Prunus padus*) tree present at the eastern end. Nettle and Ivy are prevalent throughout.
15. Species-poor semi-improved grassland with a similar composition to that described at Target Note 3 but with more dominant grasses and fewer forb species. Species recorded include Annual Meadowgrass, Cock's-foot, Yorkshire Fog, Hogweed, Common Mouse-ear, Creeping Buttercup, Broad-leaved Dock, Field Bindweed (*Convolvulus arvensis*), Common Vetch and Creeping Thistle. The field is evidently regularly mown.
16. Line of Hazel and Field Maple trees along the edge of a dense unmanaged orchard area (Target Note 20).
17. Dense area of scrub growing over a series of derelict buildings and greenhouses. Species include Butterfly Bush (*Buddleia davidii*), Creeping Thistle, Lesser Burdock, Ivy and Bramble with larger trees present including Silver Birch (*Betula pendula*) and Sycamore (*Acer pseudoplatanus*).
18. Semi-improved grassland in a field adjacent to the site with scattered mature Apple trees, many dead or dying, just outside the site boundary. Species within the grassland include Rough Meadowgrass, Sweet Vernal-grass (*Anthoxanthum odoratum*) Perennial Ryegrass (*Lolium perenne*), Yorkshire Fog (*Holcus lanatus*), Common Ragwort, Creeping Thistle, Lesser Stitchwort, Cuckooflower (*Cardamine pratensis*), Nettle, False Oatgrass, Cock's-foot, Red Clover (*Trifolium pratense*), Hogweed, Common Vetch, Creeping Thistle, Common Sorrel (*Rumex acetosa*), Meadow Buttercup (*Ranunculus acris*), Wood Dock, Meadow Foxtail (*Alopecurus pratensis*), Common Mouse-ear, Field Forget-me-not and Rough Meadowgrass.
19. Overgrown orchard area with mature Apple trees, several of which are dead or dying. Younger trees and bushes of other species including Pedunculate Oak (*Quercus robur*) and Elder are present and the area is highly overgrown with Ivy, Bramble and Nettle. Marsh Thistle (*Cirsium palustre*), Wood Dock and Spear Thistle are present within the ground flora.
20. Old orchard area with mature Apple trees, many of which are dead or dying. The whole area is extremely overgrown with Ivy. Occasional Pedunculate Oak trees are present and dense patches of scrub, including Elder, Bramble, Lesser Burdock, Nettle and Hawthorn, are present throughout.
21. Patch of large Lilac (*Syringa vulgaris*) bushes at the edge of the orchard area described at Target Note 20.
22. Area of recently cut species-poor semi-improved grassland containing Yorkshire Fog, Rough Meadowgrass, Red Fescue, Meadow Buttercup, White Clover, Creeping Thistle, Lesser Stitchwort, Nettle, Marsh Thistle, Common Ragwort, Common Mouse-ear, Ground-ivy and Germander Speedwell (*Veronica chamaedrys*).
23. Extensive old unmanaged orchard area with mature Apple trees now extremely overgrown with Ivy and Bramble. Many of the fruit trees are dead or dying and there are frequent piles of deadwood throughout. Occasional semi-mature Pedunculate Oak trees are present. Dense tall ruderal vegetation at the edge of the area includes Nettle and Cleavers. A group of mature Ash trees is located towards the east of the area.
24. Public footpath with a line of mature trees on a low embankment to the east. These include Pedunculate Oak, Ash, Common Lime (*Tilia x europaea*) and Lombardy Poplar (*Populus nigra* 'Italica').

25. A mosaic of species-poor semi-improved grassland and scattered scrub, not subject to recent management. The grassland contains frequent False Oatgrass, Creeping Thistle, Great Willowherb (*Epilobium hirsutum*), Perforate St John's-wort (*Hypericum perforatum*), Cock's-foot, Field Horsetail (*Equisetum arvense*), Broad-leaved Dock, Common Ragwort and Ribwort Plantain (*Plantago lanceolata*) with scattered scrub and ruderals including Lesser Burdock, Common Teasel (*Dipsacus sylvestris*), Bramble and Butterfly Bush.
26. A dense species-poor defunct hedgerow up to 7m high. Primarily comprising Blackthorn with some Elder. A series of mature Pedunculate Oak trees are located along the hedge line.
27. A field of recently unmanaged species-poor semi-improved grassland containing False Oatgrass, Cock's-foot, Common Ragwort, Creeping Thistle and curled Dock (*Rumex crispus*). The grassland is long and tussocky and there are frequent ant hills throughout.
28. A single-storey doctor's surgery building of fairly recent brick construction with a pitched tiled roof. The building is in a good state of repair and set within a hardstanding car park.

APPENDIX C

Orchard Survey Report (HDA, 2013)

APPENDIX D

Bat Survey Report (HDA, 2014)

APPENDIX E

Dormouse Survey Report (HDA, 2014)

APPENDIX F

Badger Survey Report (HDA, 2014)

APPENDIX G

Reptile Survey Report (HDA, 2013)

APPENDIX H

Phase 2 Invertebrate Assessment (ECOSA, 2014)