

Barratt Homes

Havant Road, Emsworth

Wintering Bird Survey Report

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Executive Summary

Site location	Land north of Havant Road, Emsworth, Hampshire (OS grid reference SU 73396 06193).
Previous reports/surveys	- An extended Phase 1 habitat survey was undertaken of the site by WYG in July-August 2014 and subsequently updated in June 2016. A further check in February 2017 was made to check that site conditions had not changed. The 2014 survey recommended that wintering bird surveys be undertaken for the site. - Aluco Ecology 2013. This found no use of the site by waders or brent geese but recorded low numbers of brent geese foraging on fields on fields close to the coast.
WYG Survey	- Existing data for the site was reviewed. - WYG completed a Winter Bird survey using the Solent Water Brent Goose Strategy methodology. In agreement with Natural England, two high tide surveys were completed each month between October 2013 and March 2014, and hence a total of 12 visits were made to the site.
Results	- A total of 34 species were recorded using the site; eleven of these species are birds of conservation concern (BoCC) of which four are Red Listed and seven are Amber Listed. Two species are also listed on Schedule 1 of the Wildlife and Countryside Act 1981 Firecrest (<i>Regulus ignicapillus</i>) and Redwing (<i>Turdus illiacus</i>). - No SPA / Ramsar qualifying species were recorded on site during the surveys; either foraging or roosting at high tide times. - The site does not contain suitable habitats for waders or brent geese due to the enclosed nature of the land.
Mitigation and Enhancement Recommendations	- Provision of open space on site including a 1.3km circular trim trail around the perimeter of the site. - A financial contribution of £176 per dwelling will need to be made to the Local Planning Authority in order to mitigate for recreational impact at the SPA as a result of the in-combination impacts of the development. This financial contribution will be used towards protecting and enhancing the SPA such as through wardens. <u>Breeding Birds</u> - If any hedgerows, trees or vegetation require removal to facilitate the proposed development, it is recommended that this is completed outside of the nesting bird season (i.e. undertaken from October to March inclusive). If this is not possible, a search for nesting birds immediately prior to vegetation clearance is required, (undertaken by an ecologist). If any nests are found, a watching brief and appropriate buffer zone may be required. Areas of scrub and hedgerows and adjacent woodland should be retained and enhanced in order to safeguard the bird assemblage onsite.



1.0 Introduction

1.1 Background

WYG was commissioned by Barratt Homes in October 2014 to undertake winter bird surveys at land north of Havant Road (referred to as the "site"), following on from recommendations made during an extended Phase 1 habitat survey (WYG, 2014) with the aim of assessing the site's importance as a habitat for wintering birds. The habitats recorded included improved to semi-improved grassland with a reduced herb content, species poor hedgerows, patches of bramble and scrub.

The site lies within 1.1 km of Chichester and Langstone Harbour Special Protection Area (SPA) and Ramsar Site and the Solent Maritime Special Area of Conservation (SAC), designated for overwintering populations of the following species: brent geese, dunlin (*Calidris alpina*), black-tailed godwit (*Limosa limosa*), common shelduck (*Tadorna tadorna*), Eurasian widgeon (*Anas penelope*), Eurasian teal (*Anas crecca*), northern pintail (*Anas acuta*), common redshank (*Tringa totanus*) and red-breasted merganser (*Mergus serrator*). The harbour is a wetland of international importance for over wintering wildfowl which regularly supports 93,000 individual waterfowl.

Winter bird surveys of the site were undertaken by Aluco Ecology in between 10th January 2013 and 28th March 2013. They recorded the use of fields to the south of Havant Road closer to the coast (off site) by a low number of waders (curlew and lapwing) and brent geese; however, no waders or waterfowl were recorded on the site itself. The Solent Waders and Brent Goose Strategy records the fields to the south of the development as having 'uncertain' useage for waders and brent geese.

1.2 Site Location and Description

The site covers approximately 6.1 hectares, located to the east of Havant in Hampshire, centred on Ordnance Survey grid reference SU734062. The site is bordered to the north-west by the A27, residential development to the east and to the south by the A259 (see Appendix B for the Phase 1 habitat map). The site comprises very short, cattle grazed improved grassland, areas of bare ground, scattered scrub and trees, bramble and defunct hedgerows. Along the north-western boundary, adjacent to the A27, is young plantation woodland mainly comprising field maple and hawthorn. The south eastern boundary comprises back garden fencing with planted shrubs, with scrub. To the south of the site and adjacent to the footway of the A259 is a hedgerow comprising mainly sycamore. Scrub dominates the north eastern extent of the site and three defunct hedgerows are present, two of which run north to south and one east to west separating the fields from one another.



1.3 Development Description

It is proposed to develop the site for approximately 161 residential properties, with associated parking, access, gardens, hard and soft landscaping and areas created for local wildlife. An area of open space will be retained within the eastern extent of the site and along the south eastern boundary of the site. These areas will be managed as tall grassland with scattered trees, in addition to several areas of public open space throughout the scheme. The scheme will be accessed from the southern boundary, with additional foot access provision along the eastern boundary. For the most up to date layout plan please refer to Layout Plan drawing No. 18-2059-100, contained in Appendix A.

1.4 Survey Scope

This report provides the results from the wintering bird surveys undertaken between October 2014 and March 2015 in accordance with the Solent and Waders Brent Goose Strategy (SWBGS Steering Group, 2010).

The scope of work comprised:

- A desk study to obtain existing information regarding surveys undertaken on previous occasions.
- Two high tide visits were completed every month through the October 2014 – March 2015 period to assess the numbers and species making use of the site and adjacent habitats.
- An assessment of the potential ecological constraints to and impacts from the proposed development along with recommendations for further survey(s), avoidance, mitigation and enhancement where appropriate.

1.5 Relevant Legislation

All wild birds in the UK are protected under Section 1 of the Wildlife and Countryside Act 1981 (as amended) which makes it an offence to intentionally kill, injure or take any wild bird or take, damage or destroy the nest (whilst being built or in use) or its eggs. Bird species listed in Schedule 1 of the 1981 Act (as amended) receive further protection which makes it an offence to intentionally or recklessly disturb



these species while building a nest or in, on or near a nest containing eggs or young; or to disturb dependent young of such a bird (HMSO 1981 & 2000).

In addition, Annex 1 of the EU 'Birds' Directive (1979) lists 194 species that are subject to special conservation measures concerning their habitat in order to ensure their survival and reproduction. Member States are required to designate Special Protection Areas (SPAs) for the Annex 1 and all migratory species. SPAs are scientifically identified areas critical to the survival of the targeted species. The SPAs form part of the Natura 2000 EU network of protected nature sites. The designation of an area as an SPA gives it a high level of protection from potentially damaging developments (European Commission (EC) 1979).

Brent geese are afforded protection under Section 4.2 of the Wild Birds Directive 79/409/EEC. Section 4.2 of the Directive states that all Member States are required to:

"...take similar measures for regularly occurring migratory species not listed in Annex I, bearing in mind their need for protection in the geographical sea and land area where this Directive applies, as regards their breeding, moulting and wintering areas and staging posts along their migration routes. To this end, Member States shall pay particular attention to the protection of wetlands and particularly to wetlands of international importance."

Measures taken by the UK Government in fulfilment of this duty include designating wildlife sites where the species occur. Brent geese are a principle feature of Langstone Harbour Special Protection Area (SPA) and a feature of the Chichester and Langstone Harbour Ramsar Site and Langstone Harbour Site of Special Scientific Interest (SSSI). About 16% of the UK migratory/wintering population of brent geese are present within this SPA. The SPA is also designated for significant numbers of black-tailed godwit, dunlin, grey plover (*Pluvialis squatarola*), redshank and ringed plover (*Charadrius hiaticula*), with the area classed as a Wetland of International Importance regularly supporting a population of 93,000 individual wintering waterfowl (JNCC, 1996).

Birds of Conservation Concern (BoCC) were also recorded and mapped. Red List species have undergone declines of over 50% in either breeding or non-breeding populations / range over the last 25 years. Species listed by Birdlife International as being globally threatened or having undergone an historical decline (between 1800 and 1995) without substantial recent recovery also qualify as a Red List species.

Amber List species have undergone declines of between 25% and 49% in either breeding or non-breeding populations / range over the last 25 years. Species of European Conservation Concern and those recovering from a long-term historical decline are also Amber Listed. Non-breeding species which have at least 50% of



their UK wintering sites at fewer than ten localities and those where at least 20% of the European non-breeding populations are found within the UK are Amber Listed too.

All species regularly occurring in the UK which do not qualify for either Red List or Amber List status are placed on the Green List. This includes those species listed as recovering from historical declines which have continued to recover and do not qualify under European or International criteria (Eaton *et al* 2009).



2.0 Methods

2.1 Data Search & Previous survey information

Data on the use of the surrounding areas by important bird populations were obtained through direct consultation with Hampshire Biological Information Centre (HBIC) as part of the previous extended Phase 1 habitat survey (Appendix C).

2.2 Survey Methodology

The Solent Water Brent Goose Strategy methodology was followed (SWBGS Steering Group, 2010) with the aim of assessing the potential impact of the proposed development on important bird species and specifically brent geese and waders associated with Chichester and Langstone Harbour SPA whilst identifying potential ecological constraints to the development and informing ecological mitigation if required.

Usually three years' worth of winter bird survey data is required in accordance with the SWBGS; however, following consultation with Natural England (S. Thompson [Natural England] – V. Coulthard [WYG] 15th Dec 2015) - it was agreed that one year's worth of data would be sufficient as the habitats on site are sub-optimal for wintering waders and brent Geese.

At the site, 12 counts were undertaken between October 2014 and March 2015. SWBGS (2010) and Gilbert *et al.* (2008) recommend that monthly surveys are undertaken between September and March for high tide counts and between November and February for low tide counts. Each survey occasion took place over four hours, two hours before high tide and two hours after high tide. During the four hours, counts of all species were undertaken every half hour. Vantage point surveys were completed for the first two hours recording bird usage from two fixed positions as it was not possible to adequately see the whole site from one location on site. If any SPA qualifying species were noted, these were plotted on maps; otherwise all birds seen at 15 minute intervals were recorded. The two hours after high tide were spent completing a walkover survey of the site, counting and plotting the locations of all birds seen or heard and their activities. Equipment used by the surveyor included binoculars and a telescope.



2.3 Survey Limitations

At the site, twelve counts were undertaken between the 13th October 2014 and the 28th of March 2015. SWBGS (2010) and Gilbert *et al.* (2008) recommend that monthly surveys are undertaken between September and March for high tide counts and between November and February for low tide counts.

Due to restricted daylight hours, it was agreed with Natural England that the survey carried out on the 19th December could be undertaken from one and a quarter hours before high tide to three hours after high tide (rather than the standard 2 hours before high tide) – this is not considered to have an impact on the data collected as all the other surveys were carried out within the prescribed time frame.

Normally three years wintering bird data is required for winter bird surveys, however due to the unsuitability of the site for waders and brent geese coupled with the fact that data is available from previous survey work (two years of winter bird surveys by Aluco Ecology), it is considered that one year's data is sufficient to provide an assessment of the site for wintering birds but this should be confirmed with Natural England.



3.0 Survey Results

3.1 Data Search Results

3.1.1 Hampshire Biodiversity Information Centre

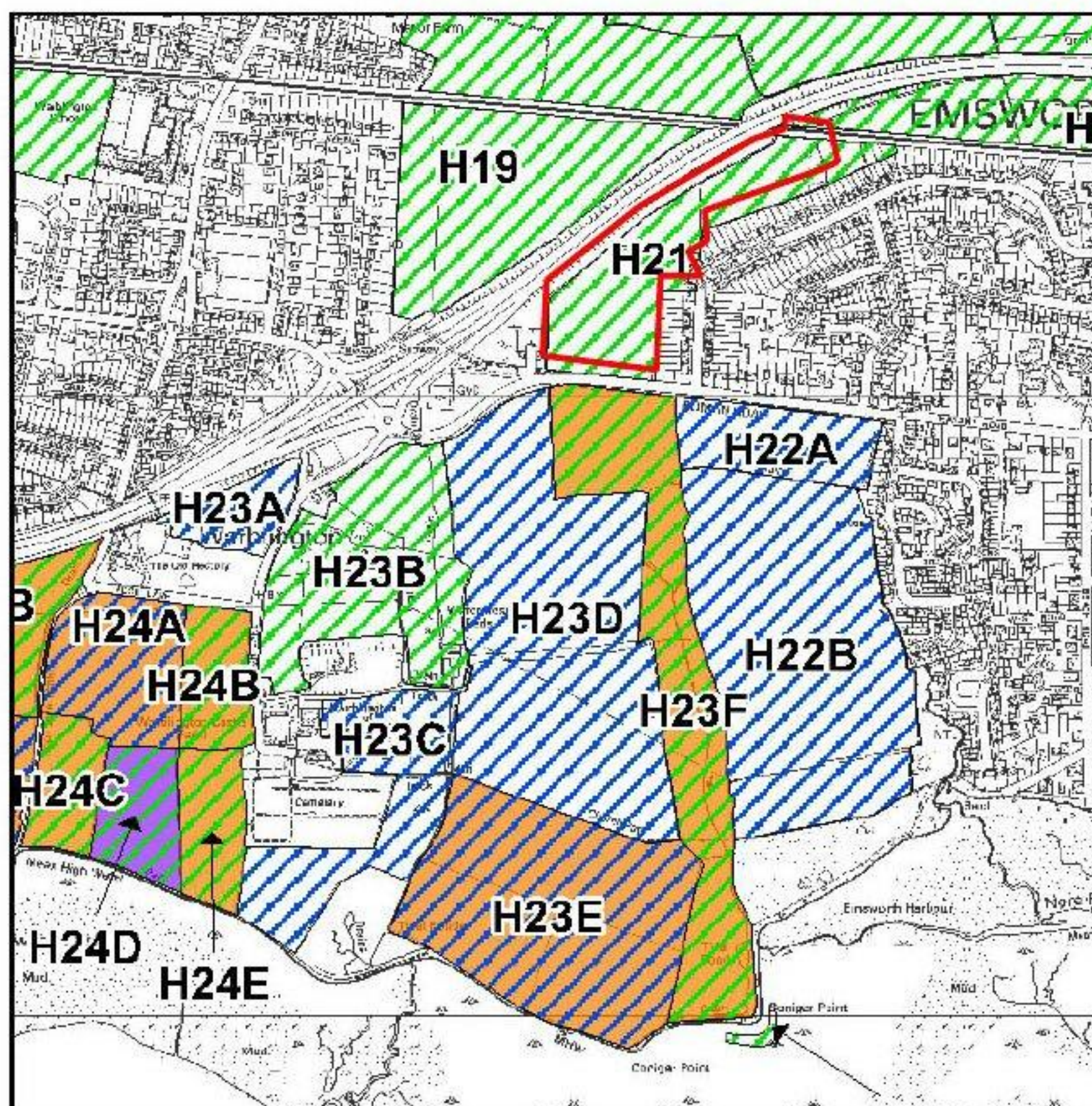
A summary is provided below of the data that has been provided by Hampshire Biodiversity Information Centre including the (SWBGS) (2010) information (Appendix C).

- Brent geese are a principle feature of Langstone Harbour Special Protection Area (SPA) and a feature of the Chichester and Langstone Harbour Ramsar Site and Langstone Harbour Site of Special Scientific Interest (SSSI). About 16% of the UK migratory/wintering population of brent geese are present within this SPA. The SPA is also designated for significant numbers of black-tailed godwit, dunlin and red breasted merganser, with the area classed as a Wetland of International Importance regularly supporting a population of 93,000 individual wintering waterfowl (JNCC, 1996).
- HBIC provided records from the SWBGS (2010) (Figure 1). The site was not assessed for brent geese and was classified as needing further survey work to inform its assessment for waders, therefore the site is 'uncertain' for waders (Figure 1 below). Field H23D to the south of the site had positive records for brent geese in 2002 but had no recorded use for waders. In 2010 no brent geese or waders were recorded. Correspondence with Natural England (pers. comm. 2016) indicated that brent geese have been utilising the field on other occasions but the numbers of birds involved has not been ascertained.

3.1.2 Aluco Ecology

Aluco Ecology carried out a winter bird survey of land to the south of the development area in 2013 which showed that some of the fields to the south of the site are occasionally used by wintering waders. Field H23D (Waders and Brent Goose Strategy Group) to the south of the development site was shown to provide a foraging area for curlew and black-headed gulls/Mediterranean gulls. A peak count of 54 brent geese were feeding on the southern portion of H23D approximately 450 m south of the development site on the 10th January 2013. Overall, records of waders and brent geese were mainly concentrated on fields closer to the foreshore, especially to the west of Warblington such as H24D. Similarly fields to the east of the cemetery in Warblington (H23C) have habitats more suitable for waders and wildfowl which were reflected in the data collected.

Figure 1. Solent waders & Brent geese survey map showing area H21 (which includes the proposed development site) taken from King (2010).



Brent Geese Site Classification		Wader Site Classification	
	Important		Important
	Uncertain		Uncertain
	No recorded use		No recorded use

3.2 Survey Dates and Weather Conditions

All surveys have been conducted in suitable weather conditions (Table 1); there have been a few occasions where there has been a brief duration of poorer weather conditions which had little impact on visibility and overall the conditions have been good.

**Table 1: Dates and weather conditions**

Date	Portsmouth high tide time	Start time	End time	Cloud cover (Oktas)	Wind speed (Beaufort scale)	Precipitation
13th Oct 2014	15:42	13:40	17:40	8	1	Moderate rain
23rd Oct 2014	12:06	10:05	14:05	7	2	Occasional drizzle
9th Nov 2014	12:30	10:30	14:30	0-4	1-2	None
26th Nov 2014	13:58	11:30	15:30	8	1	None
4th Dec 2014	09:44	07:45	11:45	8	1-2	None
18th Dec 2014	08:23	07:40	11:40	8	4-5	None
6th Jan 2015	12:15	10:15	14:15	4	2-3	Rain showers
22nd Jan 2015	12:44	10:45	14:45	0	1-2	None
5th Feb 2015	12:31	10:30	14:30	8	1-2	Light snow shower
17th Feb 2015	10:09	08:15	12:15	0	1-2	None
3rd Mar 2015	10:24	08:25	12:25	4	2-3	None
18th Mar 2015	09:49	07:45	11:45	2	1-2	None

3.3 Wintering Bird Data

In summary, the survey results show the following (species recorded can be found in Appendix D):

- A total of fifty species was recorded during the surveys of which 34 were regarded as utilising the site rather than flying over it.
- No brent geese were recorded utilising the site and were not recorded flying over during the surveys.
- No waders were recorded utilising the site during the surveys with observations of golden plover *Pluvialis apricorum*, green sandpiper *Tringa ochropus* and curlew *Numenius arquata* being of birds flying over the site. These are not SPA qualifying species.
- Two protected Schedule 1 bird species was recorded utilising the site - redwing *Turdus iliacus* and firecrest *Regulus ignicapillus*. The legal status of this species relates only to breeding birds; redwings do not breed within Hampshire whilst the site does not contain suitable habitats for breeding firecrest.



- A total of four BoCC Red Listed species were recorded during the survey comprising house sparrow *Passer domesticus*, redwing, song thrush *Turdus philomelos* and starling *Sturnus vulgaris*. (Appendix F). Additionally, a fieldfare *Turdus pilaris* was recorded flying over the site on one occasion (wintering species only).
- A total of sixteen BoCC Amber Listed species were recorded during the surveys although some of these were recorded flying over the site rather than actively using it. Such species included black-headed gull *Larus ridibundus*, common gull *Larus canus*, curlew *Numenius arquata*, golden plover *Pluvialis apricaria*, green sandpiper *Tringa ochropus*, lesser black-backed gull *Larus fuscus*, little egret *Egretta garzetta* and Mediterranean gull *Larus melanocephalus*.
- Amber List species recorded utilising the habitats on the site comprised of the following seven species: bullfinch *Pyrrhula pyrrhula*, dunnock, firecrest, grey wagtail *Motacilla cinerea*, kestrel *Falco tinnunculus*, meadow pipit *Anthus pratensis* and stock dove *Columba oenas*.

The notable bird species recorded from the site are listed in Table 2 below (See Appendix E - Plan 1 (BoCC red list species) and Plan 2 (BoCC amber list species) for their locations). The standard BTO codes are shown in brackets after the Common name.

Table 2: Notable bird species recorded wintering (BoCC Red and Amber list) within the survey area.

Common Name (BTO code)	Scientific Name	Comments	Status
Bullfinch (BF)	<i>Pyrrhula pyrrhula</i>		BOCC Amber
Dunnock (D)	<i>Prunella modularis</i>		BOCC Amber
Firecrest (FC)	<i>Regulus ignicapillus</i>	Unlikely breeder	BOCC Amber (Schedule 1 WCA 1981)
Grey Wagtail (GL)	<i>Motacilla cinerea</i>		BOCC Amber
House Sparrow (HS)	<i>Passer domesticus</i>		BOCC Red
Kestrel (K)	<i>Falco tinnunculus</i>		BOCC Amber
Meadow Pipit (MP)	<i>Anthus pratensis</i>		BOCC Amber
Redwing (RE)	<i>Turdus iliacus</i>		BOCC Red (Schedule 1 WCA 1981)
Song Thrush (ST)	<i>Turdus philomelos</i>		BOCC Red
Starling (SG)	<i>Sturnus vulgaris</i>		BOCC Red
Stock Dove (SD)	<i>Columba oenas</i>		BOCC Amber



- No species of bird which are listed as a qualifying feature of the Chichester and Langstone Harbours SPA were recorded using the site.
- Of the fifty birds recorded during the surveys sixteen were recorded only in flight whilst thirty four were recorded actively using the site. The birds species recorded only flying over the site are considered very unlikely to use the habitats present on site. The proposed development site itself is used by a number of other species; of interest were single firecrests (likely wintering only as no breeding habitat present on site) (Schedule 1 of the Wildlife and Countryside Act 1981, BoCC Amber listed species), recorded on two occasions, and kestrels which were seen on four separate surveys (also no breeding habitat on site) (BoCC Amber Listed species).

3.3.1 Common and Widespread Species

A range of common and widespread bird species (BoCC Green List) were also recorded during the surveys that are typical of species found within the habitats found on site. These were nearly all song birds, the exceptions being common buzzard *Buteo buteo* and sparrowhawk *Accipiter nisus* (Table 3). The full list of species recorded during the surveys is provided in Appendix E.

Table 3: Common (BoCC Green List) bird species recorded wintering within the survey area.

Common Name (BTO code)	Scientific Name
Blackbird	<i>Turdus merula</i>
Blackcap	<i>Sylvia atricapilla</i>
Blue Tit	<i>Cyanistes caeruleus</i>
Carrion Crow	<i>Corvus corone</i>
Chaffinch	<i>Fringilla coelebs</i>
Coal Tit	<i>Parus ater</i>
Collard Dove	<i>Streptopelia decaocto</i>
Common Buzzard	<i>Buteo buteo</i>
Goldcrest	<i>Regulus regulus</i>
Goldfinch	<i>Carduelis carduelis</i>
Great Tit	<i>Parus major</i>
Great Spotted Woodpecker	<i>Dendrocopos major</i>
Greenfinch	<i>Carduelis chloris</i>
Jackdaw	<i>Corvus monedula</i>
Jay	<i>Garrulus glandarius</i>
Long-tailed Tit	<i>Aegithalos caudatus</i>
Magpie	<i>Pica pica</i>
Pheasant	<i>Phasianus colchicus</i>
Pied Wagtail	<i>Motacilla alba</i>



Robin	<i>Erithicus rebecula</i>
Rook	<i>Corvus frugilegus</i>
Sparrowhawk	<i>Accipiter nisus</i>
Woodpigeon	<i>Columba palumbus</i>
Wren	<i>Troglodytes troglodytes</i>

3.3.2 Disturbance

During the bird counts, records were made of the frequency of potential disturbance events to the birds occupying and feeding on the site. No notable instances of disturbance were recorded during the surveys.



4.0 Discussion

4.1 Summary of survey results

Key results of the 12 surveys are as follows:

- No brent geese were recorded using the site by WYG. None of the other species for which Langstone Harbour SPA is designated (i.e. black-tailed godwit, dunlin, grey plover, redshank and ringed plover) were recorded using the site by WYG

During the WYG surveys, the site was noted to have mixed use by birds; the field provided a food resource to a range of bird species with the hedgerows and scrub and offering shelter, perches, foraging areas and potential breeding opportunities. The habitat at the site, which comprised of relatively small, enclosed fields, surrounded by woodland, hedgerows and residential areas and internally divided by further hedgerows and scattered scrub, is not attractive to the intertidal species associated the SPA.

Four Red Listed (BoCC) species (common starling, house sparrow, song thrush, and redwing) and seven amber list species (dunnock, kestrel, grey wagtail, meadow pipit, stock dove and firecrest (also Schedule 1 of the WCA 1981) were recorded. Of these species dunnock, kestrel and stock dove are considered to have potential to breed on site.

The area surveyed consists of habitats that are of unexceptional quality for birds that are widespread and frequent within lowland farmland and suburban environments. Most of the species are BoCC Green Listed and are likely to continue to thrive on site providing that areas of green space (including gardens), scrub and hedgerows are kept as part of any proposals.

4.2 Potential Impacts

4.2.1 Habitat Loss

The areas of habitat which will be impacted by the proposed development include improved grassland, scattered scrub and dense areas of scrub (see Appendix B). The field is considered to have negligible potential to support brent geese or other SPA qualifying species given its proximity to houses, fragmented hedgerows and surrounding trees; however, it is good habitat for common starling, dunnock and house sparrows which all feed in the hedgerows and scrub within the field. Some areas of scrub and grassland are to be lost as a result of the proposals, however sensitive provision of areas of green space and garden planting will mitigate for this loss. Any removal of vegetation should not be carried out during the nesting



season (March-August inclusive) unless inspected by a suitably qualified ecologist no more than 48 hours prior to works commencing. Construction activities and associated noise may disturb breeding birds around periphery of the site, if these are carried out within the breeding season. As the site is located close to the M27 Motorway birds in the area may however be partially habituated to noise disturbance.

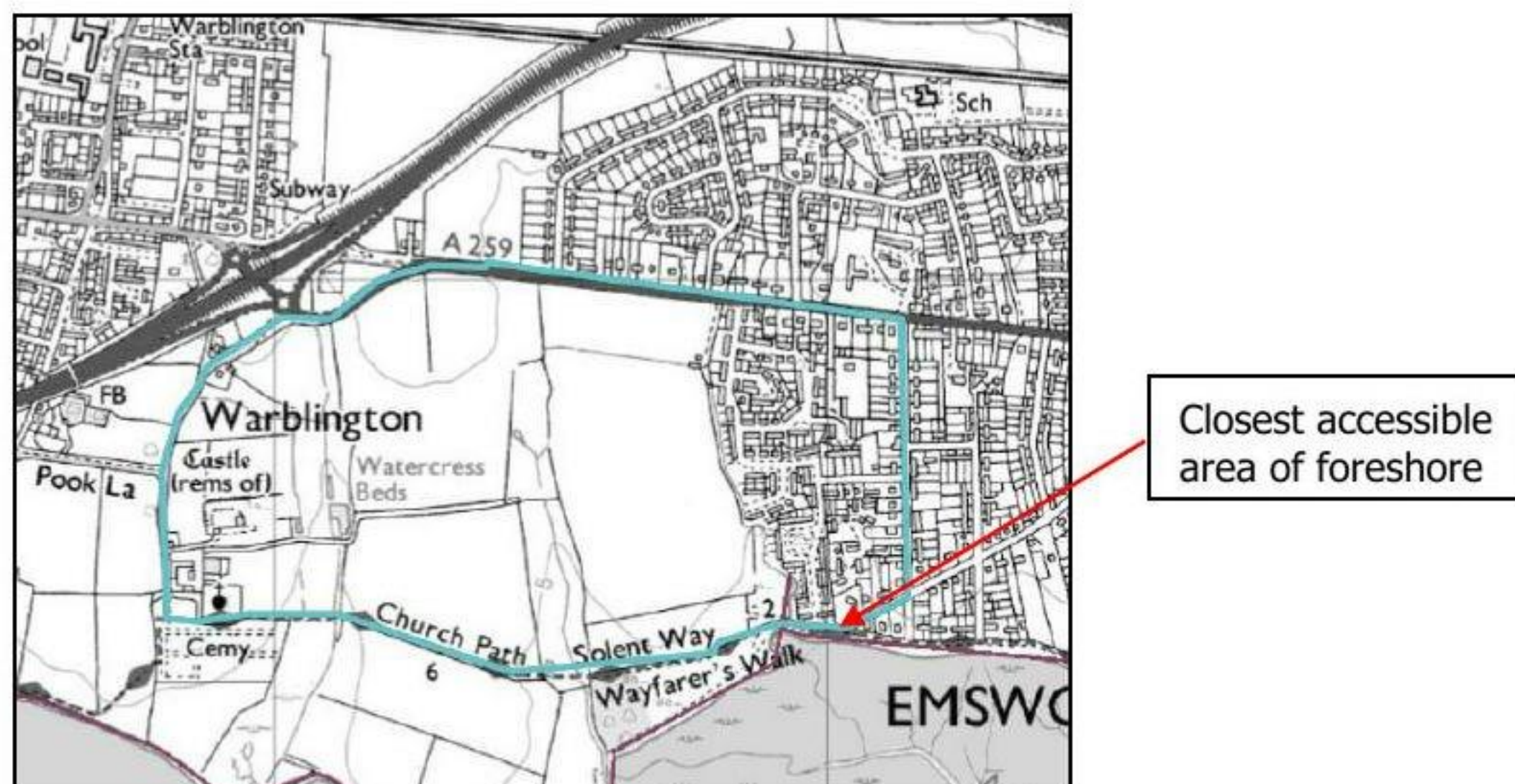
4.2.2 Disturbance to wintering waders and brent geese

It is known that noise associated with construction activities can disturb wintering waders and wildfowl (IECS 2009). Hedgerows between the fields to south of the site and bordering the road to the south of the site are likely to reduce the impacts of noise disturbance to any species present. The nearest site identified as having records of brent geese is approximately 500m to the south away from the site, (H23D, Alco Ecology) and construction sounds are unlikely to cause disturbance at such distances, especially as they likely to be masked by the constant noise originating from traffic using the A27 to the north of the site. It would however be prudent to take measures to that will reduce construction noise in order to prevent possible disturbance to brent geese and waders such as 'damping' pile drivers and placing generators or other noisy equipment in acoustic enclosures.

Fields immediately to the south of the site (H22B and H23F) are considered too enclosed and small in size to be favoured by wintering waders and brent geese. No desire lines or footpaths lead into the fields and a tall hedgerow and mature trees screen them from traffic/pedestrians using the A529. It is not considered likely that any wintering birds potentially using these fields are likely to be impacted upon by the proposals.

It is proposed that parts of the site (roads, parking and hardstanding) are to be raised by 300-600mm this is not likely to impact upon any wintering birds using the field to the south or flight lines due to the presence of mature trees and tall hedgerows to the south of the site, along the adjacent A259.

Increased recreational pressure on the footpath network along the north shore of Chichester Harbour is possible from the addition of 161 homes at the site. Any increase in recreation is likely to be associated with the Solent Way-Church Path, 700 m to the south of the site. However, this link provides a circular walk of approximate 4 km in length that is unlikely to be widely used by new residents due to the length (Figure 2).

Figure 2: Walking routes from the Site to foreshore

The footpath adjacent to field H23D (where geese were recorded) is located 1.75km from the new residential development. According to Fearnley *et al.* (2010) the visit rate for foot visitors to sites between 1.5-2km away from homes is 0.001633. This equates to an additional 0.63 visits per 16-hour day as a result of the development (assuming 2.4 residents per dwelling). In reality this is likely to be lower as the Footprint assessment is informed primarily by data collected from desirable locations with attractions like facilities, birdwatching, leisure etc. and they conclude that areas without these attractions (such as the footpath in question) are likely to receive a lower amount of traffic as a result.

Multi-functional green space has been incorporated into the final design which includes an area of 1.5a of public open space on the development site which can be used as a dog exercise area. This area will also incorporate part of the 1.3km circular walking route which runs around the periphery of the site providing signage, dog waste bins, benches and natural play. These areas have been incorporated to encourage dog walkers and residents to use on site facilities rather than walking off site towards Chichester and Langstone Harbour SPA (see Sketch Layout –18-1720PS01). As such, the proposals on site are considered to offset any potential 'alone' impacts from the development.

All residential development applications within 5.6 km of the Solent SPAs need to provide means of mitigating potential cumulative impacts on the SPAs - this will require a payment of £176 (revised each April) per dwelling before planning permission is granted or by entering into S106 agreement. The



development, therefore, will create an additional £28,336 payment to reduce impacts of development within the SPA.

4.2.3 Other Birds

The inclusion of areas of scrub, grassland and hedgerows within the development proposals will offer potential nesting habitat for a variety of bird species (see section 4.3.2). Some of the benefits in creating additional habitat for typical garden birds may be partially offset by increase in predation from cats associated with the residential development.

4.3 Mitigation & Enhancement

4.3.1 General Habitat Mitigation

The loss of any grassland, mixed scrub and fragmented hedgerows used by common starling, dunnoek and house sparrows will be mitigated for by the creation of a habitat mosaic of hedgerows, trees and interconnected grassland within the site layout; this will offer foraging, roosting and nesting areas to these and other species. Garden habitats will also be utilised by these species. The provision of nest boxes could benefit a range of species: this could include five boxes for swifts, five 'sparrow terraces' and five boxes suitable for tits.

4.3.2 Mitigation and enhancement for brent geese and waders

Brent geese and waders have not been recorded on the site. The relatively enclosed nature of the land, its relatively small size and proximity to adjacent houses render it unsuitable for these species. No mitigation for these species is, therefore, required on site. The provision of a path network onsite will encourage residents to use on-site facilities rather than cross the A27 to travel south towards the coast and hence potentially disturbing brent geese and waders in more sensitive areas offsite. It has been calculated that there will be at most an additional 0.63 visits per day to the nearby Solent Way from the development which is likely to have a limited impact of any brent geese feeding in H23D.

Following consultation, Natural England stated (29th February 2016) stated 'Natural England is satisfied that, on the basis of the objective information provided, it can be excluded that the proposed plan or project will have a significant effect on the Chichester and Langstone Harbours SPA, either individually or in combination with other plans or projects. Furthermore, Natural England is satisfied that the proposed operations are not likely to damage any of the interest features of the Chichester Harbour SSSI'.



Subsequently however Natural England requested that the section of the Solent Way running along the south of field H23D should be fenced in order to prevent any future disturbance to brent geese arising from increased visitor numbers. However, the footpath is on third party land and the landowner would require the footpath to be improved with hard standing in order to prevent the path from becoming poached by confining walkers to a narrow area. Upgrading the footpath in this way will likely result in increased usage and potentially a greater degree of disturbance to brent geese. Therefore it is considered that fencing or upgrading the footpath will not be beneficial to brent geese that may potentially use field H23D in the future.

In order to mitigate for in-combination impacts from all developments within 5.6km of Chichester and Langstone Harbour SPA a financial contribution of £176 per dwelling will be paid. This is considered likely to mitigate for any in-combination impacts from the development.

4.3.3 Mitigation for Breeding Birds

To avoid destroying or disturbing active bird nests, it is recommended that vegetation clearance is undertaken outside the bird nesting season. This runs from March to September inclusive in any given year. It is considered likely that, if the site is successfully granted planning permission, site clearance will fall within the summer months and hence within the breeding bird season. Therefore, it is recommended that where scrub and/or hedgerows are to be removed, these areas are to be inspected by a suitably qualified ecologist no more than 48 hours prior to works commencing. Should any active nests be found, they must be left *in situ* and not disturbed until all the young have fledged and cease to return to the nest. A buffer of approximately 5 metres should be enacted around each active nest (although the ecologist will confirm this with regards to various species) and every effort must be made not to enter or disturb this area. If, once started, construction works cease for more than five days, it is recommended that an update check is undertaken before any clearance activities are resumed to confirm whether any nesting birds have taken up residence in the intervening period.



5.0 References

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WYG Phase 1 Habitat report, North of Havant Road, Warblington, February 2015



APPENDICES



Appendix A – Report Conditions



Havant Road, Emsworth: Wintering Birds Survey Report

Report Conditions

Land North of Havant Road – Wintering Bird Report

This report is produced solely for the benefit of David Wilson Homes, and no liability is accepted for any reliance placed on it by any other party unless specifically agreed in writing otherwise.

This report is prepared for the proposed uses stated in the report and should not be used in a different context without reference to WYG. In time improved practices, fresh information or amended legislation may necessitate a re-assessment. Opinions and information provided in this report are on the basis of WYG using due skill and care in the preparation of the report.

This report refers, within the limitations stated, to the environment of the site in the context of the surrounding area at the time of the inspections. Environmental conditions can vary and no warranty is given as to the possibility of changes in the environment of the site and surrounding area at differing times.

This report is limited to those aspects reported on, within the scope and limits agreed with the client under our appointment. It is necessarily restricted and no liability is accepted for any other aspect. It is based on the information sources indicated in the report. Some of the opinions are based on unconfirmed data and information and are presented as the best obtained within the scope for this report.

Reliance has been placed on the documents and information supplied to WYG by others but no independent verification of these has been made and no warranty is given on them. No liability is accepted or warranty given in relation to the performance, reliability, standing etc of any products, services, organisations or companies referred to in this report.

Whilst skill and care have been used, no investigative method can eliminate the possibility of obtaining partially imprecise, incomplete or not fully representative information. Any monitoring or survey work undertaken as part of the commission will have been subject to limitations, including for example timescale, seasonal and weather related conditions.

Although care is taken to select monitoring and survey periods that are typical of the environmental conditions being measured, within the overall reporting programme constraints, measured conditions may not be fully representative of the actual conditions. Any predictive or modelling work, undertaken as part of the commission will be subject to limitations including the representativeness of data used by the model and the assumptions inherent within the approach used. Actual environmental conditions are typically more complex and variable than the investigative, predictive and modelling approaches indicate in practice, and the output of such approaches cannot be relied upon as a comprehensive or accurate indicator of future conditions.

The potential influence of our assessment and report on other aspects of any development or future planning requires evaluation by other involved parties. The performance of environmental protection measures, e.g. of buildings and other structures in relation to acoustics, vibration, noise mitigation, and other environmental issues is influenced to a large extent by the degree to which the relevant environmental considerations are incorporated into the final design and specifications and the quality of workmanship and compliance with the specifications on site during construction. WYG accept no liability for issues with performance arising from such factors.

02/03/2017



Appendix B – Phase 1 Survey Plan



Appendix C – Desktop Study Information



Appendix D – Peak Counts (WYG)

Havant Road, Emsworth: Wintering Birds Survey Report



	13th Oct 2014	23rd Oct 2014	9th Nov 2014	26th Nov 2014	3rd Dec 2014	18th Dec 2014	6th Jan 2015	22nd Jan 2015	5th Feb 2015	17th Feb 2015	3rd Mar 2015	18th Mar 2015
Blackbird	17	37	25	22	26	13	14	14	18	18	19	24
Blackcap		1										
Black-headed gull	(40)	(10)	(23)	(208)	(25)	(171)	(25)	(27)	(17)	(9)	(22)	(62)
Blue tit	6	12	7	11	10	16	12	12	14	14	6	15
Bullfinch					1			6	3 (1)			
Canada goose											(1)	
Carrion Crow	3 (2)	2 (10)	2 (6)	3 (5)	2 (1)	4(1)	7	5 (2)	4	4 (2)	7 (13)	6 (1)
Chaffinch	1	1(3)	3	1	2 (3)		2	4	1	4	6	6
Chiffchaff		2		1	1					1		5
Coal tit											1	
Collared Dove		(7)	(1)	1	(4)	(2)	2 (2)	(1)	(1)		1 (2)	3
Com. buzzard			(1)				1 (1)	1	1	2	1	(1)
Common gull			(3)	(6)			(1)			(1)		

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Havant Road, Emsworth: Wintering Birds Survey Report



	13th Oct 2014	23rd Oct 2014	9th Nov 2014	26th Nov 2014	3rd Dec 2014	18th Dec 2014	6th Jan 2015	22nd Jan 2015	5th Feb 2015	17th Feb 2015	3rd Mar 2015	18th Mar 2015
Curlew					(5)	(7)			(2)			
Dunnoek	7	12	14	14	14	11	9	17	19	23	15	14
Fieldfare					(1)							
Firecrest										1	1	
Goldcrest	5	2	3	5	5	3			5	4	3	2
Golden plover						(7)						
Goldfinch	(2)	9 (2)	1 (4)	(1)	2	(2)	(1)	(1)	(2)	3 (2)	(5)	1 (2)
Great tit	7	8	10	9	13	9	9	12	11	8	14	8
Great spt woodpecker				1			1					
Greenfinch			(1)	2 (2)	3 (3)	1 (1)		3 (3)	5 (1)	4 (4)	5 (8)	2 (4)
Green sandpiper								(1)				
Grey heron											(1)	
Grey wagtail		(1)		(1)	(1)		1	1 (1)	(1)	(1)	(1)	
Herring gull	(2)	(7)	(10)	(32)	(5)	(13)	(25)	(7)	(11)	(11)	(20)	(17)

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Havant Road, Emsworth: Wintering Birds Survey Report



	13th Oct 2014	23rd Oct 2014	9th Nov 2014	26th Nov 2014	3rd Dec 2014	18th Dec 2014	6th Jan 2015	22nd Jan 2015	5th Feb 2015	17th Feb 2015	3rd Mar 2015	18th Mar 2105
House sparrow		5	8 (1)	16	13	8	10	16	16	10	13	5
Jackdaw	(5)	(19)	(11)	(9)	4 (2)	(83)	(8)	(20)	(7)	(57)	(4)	(7)
Jay		1 (1)										1
Kestrel				1				1		1	2	1
Lesser black-backed gull	(2)									(1)	(6)	
Linnet		(1)			(1)							
Little Egret			(1)	(1)	(1)				(1)			(1)
Long-tailed tit	3	12	7	10	19	6	6	2 (2)	4	5	4	2
Magpie	7	6	7 (1)	9 (1)	6	7 (2)	27	9	6		8 (1)	5
Meadow pipit	(3)	(3)	(2)	(1)		(1)		(5)	(3)		(1)	2 (2)
Mediterranean gull											(4)	(8)
Pheasant	3											
Pied wagtail	(1)	(3)	(2)	(4)	(2)	(2)	(1)		(1)			
Redwing					1 (4)	(3)			72			1

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Havant Road, Emsworth: Wintering Birds Survey Report



	13th Oct 2014	23rd Oct 2014	9th Nov 2014	26th Nov 2014	3rd Dec 2014	18th Dec 2014	6th Jan 2015	22nd Jan 2015	5th Feb 2015	17th Feb 2015	3rd Mar 2015	18th Mar 2015
Robin	17	20	21	16	19	11	13	15	10	20	15	18
Rook		(61)	(40)	(46)	(51)	(29)	(83)	(33)	(24)	(34)	(11)	(4)
Skylark		(1)	(5)					(5)				(2)
Song thrush	2	8 (1)	5	4	6 (1)	5	2	5	6	2	4	2
Sparrowhawk	1		1 (1)	1		1	(1)				1	
Starling	(180)	(13)	(24)	(2)	(3)	(5)	(1)		(3)		1 (14)	(5)
Stock dove			(2)	(5)	(1)	(4)	(3)	(3)	(1)	(7)	1 (2)	
Woodpigeon	19 (3)	23 (51)	14 (5)	5 (25)	59 (199)	36 (91)	104 (101)	27(350)	380 (188)	45 (42)	51 (20)	38 (57)
Wren	2	12	19	10	14	9	6	8	7	13		

Figures are the maximum count of birds which were using the site during the Walkover survey or VP survey on each date

Bold type – Species of Conservation Concern (see also Table 2).

Non bold type – Green listed species or introduced species (pheasant)

() maximum number of birds recorded in flight during either the walkover survey or VP survey



Appendix E: Survey Plans

Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Bufo bufo</i>	Common Toad	NERC_s41	SU746079	White Lodge Emsworth	1999	1999	2	1
			SU748059	Church Path Emsworth	1999	1999	2	1
			SU748059	Havant Borough: 29 Church Path, Emsworth	1999	1999	1	1
			SU752062	Brook Meadow, Emsworth	2010	2010	2	1
<i>Natrix natrix</i>	Grass Snake	NERC_s41 WCA_s5s91(t)	SU721053	The Old Farm House Havant	1999	1999	1	1
			SU721053	The Old Farmhouse, Wade Lane, Havant, Hampshire, Po9 2tb	2006	2006	1	1
			SU722055	Havant Borough: Wade Lane, Havant	1999	1999	1	1
			SU730070	Havant Thicket	1999	1999	1	1
			SU746079	White Lodge Emsworth	1999	1999	3	1
<i>Vipera berus</i>	Adder	NERC_s41 WCA_s5s91(t)	SU730070	Havant Thicket	1999	1999	1	1
Birds								
<i>Acrocephalus scirpaceus</i>	Eurasian Reed Warbler	HBAP	SU7104	Ch Langstone Mill Pond	1996	2006	6	6
			SU7104	Lh Langstone South Moor	2004	2007	7	4
			SU720050	Ch Warblington	1999	1999	1	1
			SU7205	Ch Langstone Mill Pond	1999	2007	3	6
			SU7305	Ch Warblington Castle Farm	1994	2007	5	1
			SU7305	Ch Warblington Castle Farm Cbc	1997	2006	7	6
			SU7305	Lh Langstone Harbour	2011	2011	1	5
<i>Alauda arvensis</i>	Sky Lark	BOCC_Red HBAP NERC_s41	SU7104	Lh Langstone South Moor	1994	2007	3	3
			SU7106	Havant	2010	2010	1	0
			SU7305	Ch Warblington Castle Farm	1994	2007	2	45
			SU7305	Ch Warblington Castle Farm Cbc	1996	2006	8	14
<i>Alcedo atthis</i>	Common Kingfisher	EU_Bird_1 WCA_s1s1	SU7104	Ch Langstone Mill Pond	1996	2007	32	2
			SU7104	Lh Hayling Oysterbeds	2005	2005	1	1
			SU7104	Lh Langstone Harbour	2002	2008	6	2
			SU7104	Lh Langstone South Moor	1994	2007	32	2
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7105	Ch Langstone	1998	2009	3	1
			SU7105	Ch Langstone Mill Pond	1994	2003	2	1
			SU7105	Lh Langstone Harbour	2007	2007	1	1
			SU7105	Lh Langstone South Moor	2008	2008	1	1
			SU7105	Lh South Moor, Langstone Harbour	2012	2012	1	1
			SU7106	Havant	2005	2010	2	1
			SU720050	Ch Langstone	2003	2003	1	3
			SU7204	Ch Chichester Harbour	1994	2005	13	2
			SU7204	Ch Langstone	2005	2008	4	2
			SU7204	Ch Northney	2006	2006	1	1
			SU7204	Lh Langstone Harbour	2012	2012	1	1
			SU7205	Ch Langstone	1999	2004	3	1
			SU7205	Ch Langstone Mill Pond	2006	2006	1	1
			SU7205	Ch Warblington	2002	2006	2	1
			SU7205	Lymbourne Watercress Beds	2003	2003	1	1
			SU729042	Ch Northney	2000	2000	1	1
			SU7304	Ch Northney	2007	2007	1	1
			SU7305	Ch Warblington Castle Farm	2009	2009	1	1
			SU7405	Ch Emsworth Harbour	2004	2004	1	1
			SU7406	Ch Emsworth	2012	2012	2	1
			SU744051	Ch Warblington	2007	2008	2	1
			SU7504	Ch Emsworth Harbour	2006	2006	1	2
			SU7505	Ch Emsworth	2002	2012	2	2
			SU7505	Ch Emsworth Harbour	2008	2008	1	1
			SU7506	Ch Emsworth	1994	2000	3	1
			SU7506	Ch Emsworth River Ems	1999	1999	1	1
			SU751062	Ch Emsworth	2000	2000	2	1
			SU753056	Ch Emsworth	2000	2000	1	2
			SU754047	Ch Emsworth	2000	2000	1	1
<i>Anas clypeata</i>	Northern Shoveler	CR	SU7104	Ch Langstone Mill Pond	2003	2005	2	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7104 SU7204 SU7204 SU7205 SU7408 SU744051	Lh Langstone Harbour Ch Chichester Harbour Ch Langstone Ch Langstone Mill Pond Southleigh Forest Ch Warblington	2012 2005 2006 2006 2005 2009	2012 2005 2006 2006 2005 2009	1 4 1 1 1 1	20 5 2 1 1 1
<i>Anas strepera</i>	Gadwall	HBAP	SU7104 SU7104 SU7104 SU7404 SU752051	Ch Langstone Mill Pond Lh Langstone Harbour Lh Langstone South Moor Ch Emsworth Harbour Ch Emsworth Harbour	2003 2003 2000 2009 2010	2003 2003 2000 2009 2010	1 2 1 1 1	1 7 4 2 0
<i>Anser albifrons</i>	Greater White-fronted Goose	HBAP	SU7104 SU7205 SU7405	Ch Langstone Mill Pond Ch Warblington Ch Chichester Hbr Hampshire Sectors	2001 2001 2001	2001 2001 2001	1 1 1	13 16 13
<i>Anthus petrosus</i>	Rock Pipit	CR	SU7104 SU7104 SU7104 SU7105 SU7105 SU715050 SU7204 SU7205 SU725050 SU7505	Lh Langstone Harbour Lh Langstone South Moor Lh South Moor, Langstone Harbour Lh Langstone South Moor Lh South Moorlangstone Harbour Lh South Moor, Langstone Harbour Ch Langstone Ch Warblington Ch Warblington Ch Emsworth	2004 1993 2009 2003 2010 2012 2008 2006 2010 2012	2004 2007 2009 2003 2010 2012 2008 2006 2010 2012	1 49 1 1 1 1 1 1 1 1	4 11 1 1 0 1 1 1 0 1
<i>Anthus petrosus subsp. littoralis</i>	Scandinavian Rock Pipit	CR	SU7104 SU7305	Lh Langstone South Moor Ch Warblington Castle Farm	2005 2006	2007 2006	3 1	2 1
<i>Anthus spinoletta</i>	Water Pipit	CS	SU7104 SU7104	Lh Langstone South Moor Lh South Moorlangstone Harbour	1994 2010	2007 2010	30 2	5 0
<i>Anthus trivialis</i>	Tree Pipit	BOCC_Red NERC_s41	SU7106	Havant	2002	2002	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Ardea cinerea</i>	Grey Heron	CS	SU7204 SU7205 SU7305 SU744051	Ch Chichester Harbour Ch Wade Court - Havant Ch Warblington Castle Farm Cbc Ch Warblington	1995 1999 2004 2007	2005 2007 2004 2009	13 5 1 6	26 13 1 2
<i>Arenaria interpres</i>	Ruddy Turnstone	HBAP	SU7104 SU7104 SU7204	Lh Langstone Harbour Lh Langstone South Moor Ch Chichester Harbour	2002 1999 1995	2012 2004 2005	2 2 12	30 60 288
<i>Asio flammeus</i>	Short-eared Owl	EU_Bird_1	SU70C	Sensitive	1995	2002	2	1
<i>Aythya ferina</i>	Common Pochard	HBAP CS	SU7104	Lh Langstone Harbour	2000	2012	2	20
<i>Aythya marila</i>	Greater Scaup	BOCC_Red NERC_s41 WCA_s1s1	SU7104	Lh Langstone Harbour	2002	2003	4	2
<i>Branta leucopsis</i>	Barnacle Goose	EU_Bird_1	SU7204 SU7205 SU7304 SU7305 SU7505	Ch Chichester Harbour Ch Warblington Ch Sweare Deep Ch Warblington Ch Emsworth	2005 2006 2008 2006 2005	2005 2007 2008 2006 2005	1 10 1 1 1	2 2 43 1 2
<i>Branta ruficollis</i>	Red-breasted Goose	EU_Bird_1	SU7205	Ch Warblington	2007	2007	1	1
<i>Bubo bubo</i>	Eurasian Eagle Owl	EU_Bird_1	SU7106 SU746078	Havant Ch Emsworth	2008 2008	2008 2008	1 1	1 1
<i>Calidris alba</i>	Sanderling	HBAP	SU7204	Ch Chichester Harbour	1995	2005	12	223
<i>Calidris alpina</i>	Dunlin	BOCC_Red HBAP	SU7104 SU7204 SU7205 SU7304 SU7305	Lh Langstone South Moor Ch Chichester Harbour Ch Warblington Ch Chichester Hbr Hampshire Sectors Ch Emsworth	1999 1995 2012 2003 2010	1999 2005 2012 2003 2010	1 13 2 1 1	2 11404 196 20 0
<i>Calidris canutus</i>	Red Knot	HBAP	SU7104	Ch Langstone Mill Pond	2007	2007	1	540

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7104	Lh Langstone Harbour	1999	2012	5	450
			SU7104	Lh Langstone South Moor	2004	2004	1	37
			SU717047	Ch Langstone	2010	2010	1	0
			SU7204	Ch Chichester Harbour	1995	2005	16	833
			SU7204	Ch Chichester Hbr Hampshire Sectors	2001	2002	2	64
			SU7204	Ch Langstone	1999	1999	2	162
			SU7204	Ch Northney	2012	2012	1	22
			SU7205	Ch Chichester Hbr Hampshire Sectors	1999	1999	1	36
			SU726050	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	24
			SU730046	Ch Chichester Hbr Hampshire Sectors	2002	2002	1	70
			SU7304	Ch Chichester Hbr Hampshire Sectors	1999	2003	3	50
			SU7304	Ch Northney	2004	2007	3	12
			SU7304	Ch Sweare Deep	2000	2010	4	62
			SU7304	Hayling Island	2005	2005	1	2
			SU7305	Ch Emsworth	2010	2012	4	87
			SU7305	Ch Emsworth Nore Barn	2010	2010	1	0
			SU7305	Ch Warblington	2012	2012	1	130
			SU7305	Ch Warblington Castle Farm	2012	2012	1	180
			SU740052	Ch Emsworth Harbour	2012	2012	1	1300
			SU740053	Ch Emsworth Nore Barn	2012	2012	1	46
			SU7405	Ch Emsworth Harbour	2010	2010	1	0
			SU7406	Ch Emsworth	2012	2012	2	90
			SU7505	Ch Emsworth	2012	2012	1	150
<i>Carduelis cabaret</i>	Lesser Redpoll	BOCC_Red NERC_s41	SU7104	Ch Langstone Mill Pond	2006	2006	1	3
			SU7104	Lh Langstone South Moor	2003	2003	1	1
			SU7106	Havant	2005	2005	1	1
<i>Carduelis cannabina</i>	Common Linnet	BOCC_Red HBAP	SU7104	Lh Langstone South Moor	1999	2006	4	50
			SU7204	Ch Chichester Harbour	2005	2005	1	40
			SU7304	Ch Chichester Harbour	2004	2004	1	35
			SU7305	Ch Warblington Castle Farm Cbc	1997	2006	7	7

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7306 SU732066 SU735056 SU737054 SU7404	Ch Warblington Denvilles (havant) Ch Warblington Ch Emsworth Ch Emsworth Harbour	2009 2011 2003 1999 2011	2009 2011 2003 1999 2011	1 1 1 1 1	63 48 80 80 2
<i>Carduelis flammea</i>	Common Redpoll	CI	SU750077	Hampshire Farm Pasture	2005	2005	1	0
<i>Carduelis flavirostris</i>	Twite	BOCC_Red	SU7104 SU7105	Lh Langstone South Moor Lh Langstone South Moor	2003 2003	2003 2003	20 2	3 3
<i>Carduelis spinus</i>	Eurasian Siskin	CI	SU7104 SU7104 SU7107	Ch Langstone Mill Pond Lh Langstone South Moor Ha Leigh Park Havant	2006 2004 2006	2007 2006 2006	2 2 1	4 3 1
<i>Cettia cetti</i>	Cetti's Warbler	HBAP WCA_s1s1 CS	SU7104 SU7104 SU7104 SU7105 SU720050 SU7204 SU7205 SU7205 SU730055 SU7305 SU7305 SU7505 SU7506	Ch Langstone Mill Pond Lh Langstone South Moor Lh South Moor, Langstone Harbour Ch Langstone Mill Pond Ch Langstone Mill Pond Ch Langstone Mill Pond Ch Langstone Mill Pond Ch Wade Court - Havant Ch Warblington Castle Farm Ch Warblington Ch Warblington Castle Farm Ch Emsworth Brook Meadowemsworth	2001 2007 2009 2002 2007 2009 2002 1999 2007 2007 1993 2010 2010	2008 2007 2009 2003 2007 2009 2009 1999 2007 2007 2011 2010 2010	35 4 1 2 1 1 13 1 1 10 1 1	6 1 1 1 1 1 2 1 1 1 0 0
<i>Chlidonias niger</i>	Black Tern	EU_Bird_1 WCA_s1s1	SU7304	Ch Sweare Deep	2005	2005	1	1
<i>Chroicocephalus ridibundus</i>	Black-headed Gull	CR	SU7104 SU7105 SU720050	Lh Langstone Harbour Ch Langstone Langstone Mill Pond	1996 2009 2007	2012 2009 2007	3 1 1 *	2650 150 0

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7204	Ch Chichester Harbour	2005	2005	2	14200
			SU7204	North Hayling	2009	2009	1	1
			SU7305	Ch Warblington Castle Farm Cbc	2004	2004	1	1
			SU7306	Ch Warblington	2004	2004	1	1000
			SU7308	Havant	2005	2005	1	600
			SU7405	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	1
			SU7407	Southleigh Farm	2005	2005	1	3500
			SU744051	Ch Warblington	2007	2009	17	1197
			SU748054	Emsworth Millpond	2011	2011	1 *	0
			SU7505	Ch Emsworth	2002	2002	1	1
			SU752054	Ch Chichester Harbour	2000	2000	1	3000
<i>Ciconia ciconia</i>	White Stork	EU_Bird_1	SU7106	Havant	2012	2012	1	5
			SU7205	Ch Warblington	2005	2005	1	1
<i>Circus aeruginosus</i>	Eurasian Marsh Harrier	EU_Bird_1 WCA_s1s1 CR	SU7104	Lh Langstone Harbour	2003	2007	2	1
			SU7304	Ch East/mid Hayling	2008	2008	1	1
			SU7304	Ch Sweare Deep	2008	2008	1	1
			SU7505	Ch Emsworth	2005	2005	1	1
<i>Circus cyaneus</i>	Hen Harrier	EU_Bird_1 BOCC_Red HBAP NERC_s41 WCA_s1s1	SU70H	Sensitive	2003	2003	1	1
			SU70M	Sensitive	2003	2003	1	1
<i>Circus pygargus</i>	Montagu's Harrier	EU_Bird_1 HBAP WCA_s1s1 CR	SU70	Sensitive	2005	2005	1	1
<i>Clangula hyemalis</i>	Long-tailed Duck	WCA_s1s1	SU7105	Ch Langstone	2005	2005	1	1
			SU7204	Ch Chichester Harbour	2005	2005	2	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7204	Ch Chichester Hbr Hampshire Sectors	2003	2003	3	2
			SU7205	Ch Warblington	2004	2004	1	1
			SU724052	Ch Chichester Hbr Hampshire Sectors	2003	2003	1	2
			SU7304	Ch Chichester Harbour	2004	2004	2	2
			SU7304	Ch Chichester Hbr Hampshire Sectors	2003	2003	1	2
<i>Cuculus canorus</i>	Common Cuckoo	BOCC_Red NERC_s41	SU7104	Ch Langstone Mill Pond	2001	2001	1	1
			SU7104	Lh Langstone South Moor	2004	2006	6	2
			SU7205	Ch Wade Court - Havant	2004	2004	1	2
			SU7305	Ch Warblington Castle Farm	1994	2007	7	2
			SU7305	Ch Warblington Castle Farm Cbc	1997	2006	7	2
			SU751050	Ch Emsworth	2009	2009	1	1
<i>Egretta garzetta</i>	Little Egret	EU_Bird_1 HBAP CR	SU7104	Ch Langstone	2004	2004	2	4
			SU7104	Ch Langstone Mill Pond	2005	2008	39	274
			SU7104	Lh Broadmarsh/bedhampton Shore	2010	2010	1	0
			SU7104	Lh Langstone Harbour	1994	1999	16	8
			SU7104	Lh Langstone South Moor	1994	2007	15	8
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7105	Ch Langstone Mill Pond	2007	2012	6	139
			SU7106	Havant	2001	2003	2	1
			SU719054	Wade Court Park	2001	2001	1 *	0
			SU720050	Langstone Mill Pond	2007	2007	1 *	0
			SU7204	Ch Chichester Harbour	1993	2005	17	206
			SU7204	Ch Langstone	1999	2004	2	24
			SU7204	Ch Langstone Mill Pond	2008	2009	2	3
			SU7204	Ch Northney	1999	1999	1	6
			SU7205	Ch Langstone	1998	2004	4	35
			SU7205	Ch Langstone Mill Pond	2006	2006	2	12
			SU7205	Ch Wade Court - Havant	1995	2012	70	213
			SU7205	Ch Warblington	1998	2012	44	37
			SU7205	Ch Warblington Castle Farm	1999	1999	2	15

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7206	Havant	2009	2009	1	1
			SU721052	Ch Wade Court - Havant	1999	2010	2	4
			SU721054	Ch Wade Court - Havant	2003	2003	1	24
			SU725050	Ch Warblington	2008	2008	1	3
			SU725055	Ch Warblington Castle Farm	2001	2001	1	29
			SU727055	Ch Warblington Castle Farm	2001	2001	1	27
			SU728047	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	55
			SU728054	Ch Warblington	2012	2012	1	12
			SU7304	Ch Sweare Deep	1999	1999	1	17
			SU7305	Ch Warblington	1996	2006	7	24
			SU7305	Ch Warblington Castle Farm	1998	2007	3	10
			SU7305	Ch Warblington Castle Farm Cbc	2004	2004	1	1
			SU7305	Lh Langstone Harbour	2012	2012	1	20
			SU7308	Ha Little Leigh Farm	2002	2002	1	1
			SU7404	Ch Emsworth Harbour	2009	2009	1	117
			SU7405	Ch Emsworth Mill Pond	1997	2002	7	2
			SU7406	Ch Emsworth	2012	2012	1	1
			SU7406	Ch Emsworth River Ems	1999	1999	1	1
			SU744051	Ch Warblington	2007	2009	13	59
			SU747062	Ch Emsworth	1998	2001	6	1
			SU749065	Ch Emsworth	1999	1999	1	1
			SU7506	Ch Emsworth	1998	2000	4	5
			SU7506	Ch Emsworth River Ems	1999	1999	5	2
<i>Emberiza calandra</i>	Corn Bunting	BOCC_Red HBAP CS	SU735054	Ch Warblington	2000	2000	1	1
<i>Emberiza citrinella</i>	Yellowhammer	BOCC_Red NERC_s41	SU7104	Lh Langstone South Moor	2003	2004	2	1
			SU7305	Ch Warblington Castle Farm	2005	2007	2	1
			SU7305	Ch Warblington Castle Farm Cbc	1997	2006	5	5
			SU7408	Southleigh Forest	2011	2011	1	2

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Emberiza schoeniclus</i>	Reed Bunting	HBAP NERC_s41	SU7104	Ch Langstone Mill Pond	2004	2004	1	1
			SU7104	Lh Langstone South Moor	1994	2007	9	3
			SU7104	South Moor, Langstone Harbour	2010	2010	1	1
			SU720050	Ch Langstone Mill Pond	2012	2012	1	1
			SU720050	Langstone Mill Pond	2010	2010	1	1
			SU7305	Ch Warblington Castle Farm	2007	2008	2	29
			SU7305	Ch Warblington Castle Farm Cbc	1997	2006	6	1
			SU732066	Denvilles (havant)	2011	2011	1	1
			SU7404	Ch Emsworth Harbour	2011	2011	2	1
			SU7505	Ch Emsworth	2012	2012	1	2
<i>Eremophila alpestris</i>	Horned Lark	WCA_s1s1	SU754054	Lh West Hayling Lnr (oysterbeds)	2012	2012	1	1
<i>Falco columbarius</i>	Merlin	EU_Bird_1 HBAP WCA_s1s1	SU7104	Lh Langstone Harbour	1993	2001	5	1
			SU7104	Lh Langstone South Moor	2002	2002	1	1
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7106	Havant	1995	2012	3	1
			SU719046	Lh Langstone Harbour	2003	2003	1	1
			SU7204	Ch Chichester Harbour	2004	2005	2	1
			SU7205	Ch Warblington	2002	2002	1	1
<i>Falco peregrinus</i>	Peregrine Falcon	EU_Bird_1 WCA_s1s1 CR	SU70	Sensitive	1994	2010	5	1
			SU70	Sensitive	1995	2005	11	2
			SU70	Sensitive	2000	2012	3	1
			SU70	Sensitive	2002	2002	1	1
			SU70	Sensitive	2002	2007	2	2
			SU70	Sensitive	2003	2003	1	1
			SU70	Sensitive	2003	2012	2	1
			SU70	Sensitive	2004	2004	1	2
			SU70	Sensitive	2005	2005	1	1
			SU70	Sensitive	2008	2008	1	1
			SU70	Sensitive	2008	2008	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Falco subbuteo</i>	Eurasian Hobby	HBAP WCA_s1s1 CI	SU70C	Sensitive	1995	2010	3	1
			SU70D	Sensitive	1999	2012	3	2
			SU70H	Sensitive	1994	2004	3	1
			SU70H	Sensitive	2000	2004	5	1
			SU70H	Sensitive	2009	2009	1	1
			SU70I	Sensitive	1996	2006	4	2
			SU70I	Sensitive	2012	2012	1	1
			SU70J	Sensitive	1999	2001	2	1
			SU70M	Sensitive	2010	2010	1	0
<i>Ficedula hypoleuca</i>	Pied Flycatcher	CR	SU7104	South Moor, Langstone Harbour	2010	2010	1	1
			SU7205	Ch Warblington	2008	2008	2	1
			SU7304	Ch Northney Paddocks	2009	2009	2	4
<i>Fringilla montifringilla</i>	Brambling	WCA_s1s1	SU7104	Lh Langstone South Moor	2003	2003	1	2
			SU7105	Lh South Moor, Langstone Harbour	2012	2012	1	1
			SU717050	Ch Langstone	2003	2003	1	2
			SU7406	Ch Emsworth	2011	2011	1	2
<i>Gallinago gallinago</i>	Common Snipe	HBAP CS	SU7104	Lh Langstone South Moor	1996	2008	16	39
			SU7106	Havant	2010	2010	1	0
			SU715051	Lh South Moor, Langstone Harbour	2009	2009	1	8
			SU7204	Ch Chichester Harbour	2005	2005	1	80
			SU7305	Ch Warblington Castle Farm Cbc	2004	2004	1	1
<i>Gavia arctica</i>	Black-throated Diver	EU_Bird_1 WCA_s1s1	SU7104	Lh Langstone Harbour	1997	2002	2	2
			SU7304	Ch Northney	2007	2007	2	1
			SU7304	Ch Sweare Deep	2007	2007	1	1
<i>Gavia immer</i>	Great Northern Diver	EU_Bird_1 WCA_s1s1	SU7104	Lh Langstone Harbour	2006	2006	1	1
			SU7304	Ch Sweare Deep	2008	2008	1	1
			SU7404	Ch Emsworth Channel	2008	2008	1	1
<i>Gavia stellata</i>	Red-throated Diver	EU_Bird_1 WCA_s1s1	SU7104	Ch Emsworth	2006	2006	1	1
			SU7104	Lh Langstone Harbour	2006	2006	1	1
			SU7104	Lh Langstone South Moor	2006	2006	2	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7304	Ch Northney	2007	2007	1	1
			SU731044	Ch Chichester Hbr Hampshire Sectors	2002	2002	1	1
			SU7404	Ch Chichester Hbr Hampshire Sectors	2003	2003	1	1
			SU7404	Ch Emsworth Channel	2005	2005	2	1
			SU7405	Ch Emsworth Harbour	2007	2007	1	1
<i>Haematopus ostralegus</i>	Eurasian Oystercatcher	CS	SU7104	Lh Langstone Harbour	1995	2001	2	277
			SU7104	Lh Langstone South Moor	2005	2007	11	68
			SU7106	Havant	2004	2004	1	1
			SU7204	Ch Chichester Harbour	1995	2005	13	1574
			SU7205	Ch Warblington	2006	2007	5	25
			SU7207	Su70	2000	2000	1	3
			SU7305	Ch Warblington	2006	2006	1	2
			SU7305	Ch Warblington Castle Farm	1994	2010	2	2
<i>Hydrocoloeus minutus</i>	Little Gull	EU_Bird_1 WCA_s1s1	SU7104	Lh Langstone Harbour	1994	2001	2	1
			SU7204	Ch Chichester Harbour	2005	2005	1	2
			SU7204	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	1
			SU7204	Ch Northney	2003	2003	1	1
<i>Jynx torquilla</i>	Eurasian Wryneck	BOCC_Red WCA_s1s1	SU7104	Lh Langstone South Moor	2008	2008	1	1
<i>Larus argentatus</i>	Herring Gull	BOCC_Red CR	SU7104	Lh Langstone Harbour	2012	2012	1	50
			SU7106	Havant	2012	2012	1	1
			SU7204	Ch Chichester Harbour	2005	2005	4	1200
			SU7204	Ch Chichester Hbr Hampshire Sectors	2001	2001	2	420
			SU7304	Ch Chichester Hbr Hampshire Sectors	2003	2003	2	750
			SU7305	Ch Warblington Castle Farm Cbc	2004	2004	1	1
			SU744051	Ch Warblington	2007	2009	13	19
			SU7505	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	300
			SU7505	Ch Emsworth	2006	2006	1	1
<i>Larus fuscus</i>	Lesser Black-backed Gull	CR	SU7104	Lh Langstone Harbour	1999	1999	1	1
			SU7204	Ch Chichester Harbour	2005	2005	5	35

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7204	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	33
			SU7304	Ch Sweare Deep	1999	2000	3	25
			SU7305	Ch Warblington Castle Farm Cbc	2004	2004	1	1
			SU7405	Ch Chichester Hbr Hampshire Sectors	2001	2001	2	84
			SU7405	Ch Emsworth Harbour	2009	2009	1	2
			SU7407	Southleigh Farm	1999	2005	2	30
			SU744051	Ch Warblington	2007	2009	3	1
			SU7505	Ch Emsworth	1999	2012	2	24
<i>Larus marinus</i>	Great Black-backed Gull	CR	SU7204	Ch Chichester Harbour	2004	2005	5	400
			SU7204	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	81
			SU7204	Ch Warblington	2006	2006	1	76
			SU7304	Ch Langstone	2004	2004	1	495
			SU7304	Ch Northney	2005	2005	1	224
			SU7305	Ch Warblington Castle Farm Cbc	2004	2004	1	1
			SU7308	Ha Little Leigh Farm	2001	2001	1	5
			SU7407	Southleigh Farm	1999	2005	4	328
			SU744051	Ch Warblington	2007	2009	4	3
<i>Larus melanocephalus</i>	Mediterranean Gull	EU_Bird_1 HBAP WCA_s1s1 CR	SU70C	Sensitive	1994	2010	49	125
			SU70C	Sensitive	1999	2012	15	50
			SU70D	Sensitive	2001	2012	2	6
			SU70H	Sensitive	1995	2005	9	68
			SU70H	Sensitive	1999	2010	72	53
			SU70H	Sensitive	2001	2003	2	12
			SU70H	Sensitive	2001	2006	5	36
			SU70H	Sensitive	2001	2012	5	4
			SU70H	Sensitive	2002	2002	1	1
			SU70H	Sensitive	2003	2003	1	1
			SU70H	Sensitive	2003	2003	1	6
			SU70H	Sensitive	2003	2003	1	69
			SU70H	Sensitive	2006	2006	1	73

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU70H	Sensitive	2010	2012	2	2
			SU70H	Sensitive	2012	2012	1	4
			SU70I	Sensitive	2002	2002	1	2
			SU70I	Sensitive	2003	2003	1	1
			SU70J	Sensitive	2001	2001	1	1
			SU70M	Sensitive	1996	2005	21	2
			SU70M	Sensitive	1996	2008	58	29
			SU70M	Sensitive	2001	2001	1	1
			SU70M	Sensitive	2003	2003	1	1
			SU70M	Sensitive	2008	2009	2	9
			SU70N	Sensitive	2012	2012	2	4
<i>Limosa lapponica</i>	Bar-tailed Godwit	EU_Bird_1 HBAP	SU7104	Ch Langstone	2006	2006	1	160
			SU7104	Lh Langstone Harbour	1996	2001	6	785
			SU7104	Lh Langstone South Moor	1999	1999	1	3
			SU7105	Ch Langstone	2000	2009	3	300
			SU7105	Lh Langstone Harbour	2003	2010	4	82
			SU717047	Ch Langstone	2010	2010	1	0
			SU7204	Ch Chichester Harbour	1995	2005	30	863
			SU7204	Ch Chichester Hbr Hampshire Sectors	1999	2003	9	930
			SU7204	Ch Langstone	2005	2005	1	200
			SU7204	Ch Northney	2005	2005	2	111
			SU7204	Hayling Island	2004	2004	1	100
			SU7205	Ch Chichester Hbr Hampshire Sectors	1999	1999	2	400
			SU7205	Ch Langstone	1999	2008	2	250
			SU7205	Ch Warblington	2000	2007	4	250
			SU722048	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	100
			SU723050	Ch Chichester Harbour	2000	2000	1	200
			SU725048	Ch Warblington	2006	2007	2	1100
			SU725052	Ch Chichester Harbour	2000	2000	1	200
			SU726050	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	100

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU730046	Ch Chichester Hbr Hampshire Sectors	2002	2002	1	60
			SU7304	Ch Chichester Hbr Hampshire Sectors	1999	2003	3	230
			SU7304	Ch Sweare Deep	2000	2010	4	150
			SU7305	Ch Emsworth	2012	2012	1	100
			SU7305	Ch Emsworth Nore Barn	2008	2008	1	1
			SU7305	Ch Warblington	2012	2012	1	2
			SU7305	Ch Warblington Castle Farm	2008	2012	3	50
			SU7305	Lh Langstone Harbour	2012	2012	1	2
<i>Limosa limosa</i>	Black-tailed Godwit	BOCC_Red HBAP WCA_s1s1 CI	SU7104	Lh Langstone Harbour	1996	2001	4	153
			SU7104	Lh Langstone South Moor	2006	2006	1	1
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7105	Ch Langstone	2006	2007	5	110
			SU7105	Lh Langstone Harbour	2008	2008	1	65
			SU717047	Ch Langstone	2010	2010	3	0
			SU7204	Ch Chichester Harbour	1995	2006	24	995
			SU7204	Ch Chichester Hbr Hampshire Sectors	1998	2003	9	120
			SU7204	Ch Langstone	2004	2005	2	90
			SU7204	Ch Northney	2008	2008	1	50
			SU7204	Hayling Island	2005	2005	1	60
			SU7205	Ch Chichester Harbour	2004	2004	1	58
			SU7205	Ch Warblington	2005	2007	3	70
			SU725050	Ch Warblington	2009	2009	1	80
			SU7304	Ch Chichester Hbr Hampshire Sectors	1998	2003	4	111
			SU7305	Ch Emsworth	2010	2012	2	82
			SU7305	Ch Emsworth Nore Barn	2006	2006	6	154
			SU7305	Ch Warblington Castle Farm	2009	2009	1	48
			SU740052	Ch Emsworth Channel	2010	2010	1	0
			SU740052	Ch Emsworth Harbour	2012	2012	2	160
			SU740053	Ch Emsworth Nore Barn	2012	2012	2	94
			SU7405	Ch Emsworth	2005	2005	1	62

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU744051	Ch Warblington	2008	2009	2	7
			SU750050	Ch Chichester Harbour	2000	2000	1	26
			SU7505	Ch Chichester Hbr Hampshire Sectors	1998	2003	2	200
			SU7505	Ch Emsworth Harbour	2006	2008	2	66
<i>Locustella naevia</i>	Common Grasshopper Warbler	BOCC_Red HBAP NERC_s41 CR	SU7104	Lh Langstone South Moor	1997	2004	2	1
			SU755055	Ch Warblington	2000	2000	1	1
<i>Luscinia megarhynchos</i>	Common Nightingale	HBAP CS	SU730065	Ch Warblington	2000	2000	1	1
			SU751061	Ch Emsworth	2000	2000	1	1
<i>Melanitta fusca</i>	Velvet Scoter	WCA_s1s1	SU7104	Lh Langstone Harbour	2007	2007	1	2
			SU7404	Ch Chichester Hbr Hampshire Sectors	2003	2003	1	1
<i>Melanitta nigra</i>	Common Scoter	BOCC_Red HBAP NERC_s41 WCA_s1s1	SU7104	Lh Langstone Harbour	1996	2003	2	1
			SU7104	Lh Langstone South Moor	2006	2006	1	1
			SU7204	Ch Chichester Harbour	2005	2005	1	3
			SU7204	Lh Langstone Harbour	2007	2007	1	2
<i>Mergus merganser</i>	Goosander	HBAP CR	SU7105	Ch Langstone	1999	1999	1	1
			SU7204	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	1
			SU7205	Ch Warblington	1999	1999	1	1
			SU7304	Ch Sweare Deep	2000	2000	1	1
			SU7405	Ch Emsworth Mill Pond	1999	2000	8	1
			SU7505	Ch Emsworth	2000	2000	1	1
<i>Mergus serrator</i>	Red-breasted Merganser	HBAP	SU7104	Lh Broadmarsh/bedhampton Shore	2010	2010	1	0
			SU7104	Lh Langstone Harbour	2002	2006	6	82
			SU7105	Lh South Moor, Langstone Harbour	2012	2012	1	58
			SU7105	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7204	Ch Chichester Harbour	1995	2005	12	194
			SU7204	Ch Chichester Hbr Hampshire Sectors	2001	2003	4	42
			SU725050	Ch Warblington	2010	2010	1	0
			SU7304	Ch Sweare Deep	2008	2008	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU734049	Ch Chichester Hbr Hampshire Sectors	2002	2002	1	32
			SU7405	Ch Emsworth Mill Pond	1998	2007	24	7
			SU744051	Ch Warblington	2007	2009	9	88
<i>Milvus migrans</i>	Black Kite	EU_Bird_1	SU7107	Havant	2009	2009	1	1
<i>Milvus milvus</i>	Red Kite	EU_Bird_1 HBAP WCA_s1s1 CR	SU70D	Sensitive	2010	2012	5	1
			SU70H	Sensitive	2010	2010	1	0
			SU70J	Sensitive	2004	2004	1	1
			SU70M	Sensitive	2008	2008	1	1
			SU70M	Sensitive	2012	2012	1	1
			SU70N	Sensitive	2008	2008	1	1
			SU70N	Sensitive	2012	2012	1	1
			SU70P	Sensitive	2003	2003	1	1
<i>Motacilla flava</i>	Yellow Wagtail	BOCC_Red HBAP CR	SU7104	Lh Langstone South Moor	1994	2007	19	30
			SU7104	Lh South Moor, Langstone Harbour	2009	2009	2	12
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7105	Lh Langstone South Moor	1995	2006	2	67
			SU7106	Havant	2002	2002	1	1
			SU7204	Ch Northney	2007	2010	3	8
			SU7205	Ch Warblington	2001	2012	3	15
			SU7304	Ch Northney Paddocks	2009	2010	2	2
<i>Muscicapa striata</i>	Spotted Flycatcher	BOCC_Red HBAP NERC_s41	SU7104	Lh Langstone South Moor	1994	2007	5	1
			SU7104	South Moor, Langstone Harbour	2010	2010	1	1
			SU7105	Ch Langstone Mill Pond	2012	2012	1	2
			SU7205	Ch Langstone Mill Pond	2006	2006	1	1
			SU7205	Ch Wade Court - Havant	2006	2006	1	2
			SU7304	Ch Northney	2009	2009	1	2
			SU7304	Ch Northney Paddocks	2009	2009	3	8
			SU7304	Northney Paddocks	2010	2010	2	2
			SU7305	Ch Warblington Castle Farm	1994	2006	3	1
			SU7305	Ch Warblington Castle Farm Cbc	1999	1999	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU751061	Ch Emsworth	2000	2000	1	1
<i>Numenius arquata</i>	Eurasian Curlew	NERC_s41	SU7104	Lh Langstone Harbour	1994	2012	7	59
			SU7104	Lh Langstone South Moor	2004	2007	14	34
			SU7204	Ch Chichester Harbour	1995	2005	13	1683
			SU7205	Ch Warblington	2006	2012	3	110
			SU7305	Ch Emsworth	2012	2012	2	5
			SU7305	Ch Warblington	2006	2006	1	1
			SU7305	Ch Warblington Castle Farm	2010	2012	3	30
			SU7305	Ch Warblington Castle Farm Cbc	2004	2004	1	1
			SU7405	Ch Emsworth Harbour	2010	2010	1	0
			SU744051	Ch Warblington	2008	2009	2	20
<i>Numenius phaeopus</i>	Whimbrel	BOCC_Red WCA_s1s1	SU7104	Ch Langstone Mill Pond	2007	2007	1	1
			SU7104	Lh Langstone Harbour	1993	2003	8	105
			SU7104	Lh Langstone South Moor	1999	2006	3	11
			SU717047	Ch Langstone	2012	2012	1	4
			SU7204	Ch Chichester Harbour	1995	2005	10	105
			SU7204	Ch Chichester Hbr Hampshire Sectors	2002	2002	1	3
			SU7204	Ch Northney	2009	2009	1	1
			SU7204	Hayling Island	2005	2005	1	1
			SU7204	North Hayling	2009	2009	2	2
			SU7205	Ch Warblington Castle Farm	2004	2004	1	2
			SU7206	Havant	1998	2008	2	15
			SU730042	Ch Chichester Hbr Hampshire Sectors	2002	2002	1	1
			SU7304	Ch Chichester Hbr Hampshire Sectors	2002	2002	2	7
			SU7304	Ch Northney	2005	2005	1	3
			SU7304	Ch Northney, North Common	2009	2009	1	1
			SU7304	Ch Sweare Deep	2007	2007	1	1
			SU7305	Ch Emsworth	2012	2012	1	1
			SU7404	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	2
			SU7404	Ch Emsworth Harbour	2008	2008	2	2

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7406	Ch Emsworth Nore Barn	2009	2009	1	1
			SU7505	Ch Chichester Hbr Hampshire Sectors	2003	2003	1	1
<i>Oenanthe oenanthe</i>	Northern Wheatear	CS	SU7104	Lh Broadmarsh/bedhampton Shore	2010	2010	1	0
			SU7104	Lh Langstone South Moor	1993	2008	93	20
			SU7104	Lh South Moorlangstone Harbour	2010	2010	3	0
			SU7105	Lh South Moor, Langstone Harbour	2011	2011	2	2
			SU7204	Ch Warblington	2011	2011	1	0
			SU7205	Ch Langstone	2006	2006	1	1
			SU7205	Ch Warblington	1994	2010	6	5
			SU7305	Ch Warblington Castle Farm	1998	2012	5	5
			SU7305	Ch Warblington Castle Farm Cbc	1999	2004	2	1
			SU7405	Ch Emsworth	2009	2009	1	1
<i>Pandion haliaetus</i>	Osprey	EU_Bird_1 WCA_s1s1	SU7104	Lh Hayling Oysterbeds	2007	2007	1	1
			SU7104	Lh Langstone Harbour	2002	2002	1	2
			SU7104	Lh Langstone South Moor	2006	2008	2	1
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU725048	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	1
			SU7304	Ch East Hayling	1999	1999	1	1
			SU7304	Ch Northney	2010	2010	1	0
			SU7304	Ch Sweare Deep	2004	2005	2	1
			SU7304	Hayling Island	2001	2007	2	1
			SU7405	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	1
			SU7405	Ch Emsworth Harbour	2007	2007	1	1
			SU7406	Ch Emsworth	2012	2012	1	1
			SU7505	Ch Emsworth	2001	2004	2	1
<i>Panurus biarmicus</i>	Bearded Tit	HBAP WCA_s1s1 CR	SU7505	Ch Emsworth	2001	2001	1	10
<i>Passer domesticus</i>	House Sparrow	BOCC_Red NERC_s41	SU7204	Ch Warblington	2011	2011	1	2
			SU7305	Ch Emsworth	2012	2012	1	20

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7305	Ch Warblington Castle Farm	2007	2012	14	40
			SU7305	Ch Warblington Castle Farm Cbc	1997	2006	6	19
			SU7305	Lh Langstone Harbour	2011	2011	2	25
			SU7305	Warblington Castle Farm	2010	2010	1	33
			SU7406	Ch Emsworth	1999	2011	2	50
			SU7408	Southleigh Forest	2011	2011	2	13
			SU7508	Ch Westbourne	2012	2012	2	60
<i>Pernis apivorus</i>	European Honey-buzzard	EU_Bird_1 HBAP WCA_s1s1 CR	SU70	Sensitive	2000	2012	3	1
<i>Phoenicurus ochruros</i>	Black Redstart	WCA_s1s1 CR	SU70D	Sensitive	2012	2012	1	1
			SU70H	Sensitive	2004	2007	3	1
			SU70H	Sensitive	2005	2005	1	1
			SU70N	Sensitive	2009	2009	1	1
<i>Phoenicurus phoenicurus</i>	Common Redstart	CI	SU7104	Lh Langstone South Moor	1994	2007	15	3
			SU7205	Ch Wade Court - Havant	2005	2005	1	1
			SU7304	Ch Northney	2009	2009	1	1
			SU7304	Ch Northney Paddocks	2009	2009	2	3
			SU7305	Ch Warblington Castle Farm Cbc	1999	1999	1	1
<i>Platalea leucorodia</i>	Eurasian Spoonbill	EU_Bird_1 WCA_s1s1	SU7104	Ch Langstone Mill Pond	2002	2002	1	1
			SU7205	Ch Langstone Mill Pond	2007	2007	1	1
			SU7205	Ch Warblington	2002	2002	2	1
			SU7404	Ch Chichester Hbr Hampshire Sectors	2002	2003	2	1
			SU7405	Ch Emsworth Mill Pond	2002	2002	3	1
<i>Pluvialis apricaria</i>	European Golden Plover	EU_Bird_1 HBAP	SU7104	Ch Chichester Hbr Hampshire Sectors	1997	1999	4	400
			SU7104	Ch Emsworth	2006	2006	1	500
			SU7104	Ch Langstone	2005	2006	3	1200
			SU7104	Ch Langstone Mill Pond	1997	2007	3	600

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7104	Lh Langstone South Moor	1995	2005	5	700
			SU7105	Ch Chichester Hbr Hampshire Sectors	1999	1999	1	150
			SU7105	Ch Langstone	2000	2009	5	1000
			SU7105	Lh Langstone Harbour	2007	2008	2	300
			SU7204	Ch Chichester Harbour	1994	2005	47	5000
			SU7204	Ch Chichester Hbr Hampshire Sectors	1998	2003	21	2500
			SU7204	Ch Northney	2005	2005	3	2500
			SU7204	Hayling Island	2005	2006	2	700
			SU7205	Ch Chichester Hbr Hampshire Sectors	1997	2001	5	300
			SU7205	Ch Langstone	1999	1999	1	160
			SU7205	Ch Warblington	2007	2007	1	80
			SU722047	Ch Chichester Hbr Hampshire Sectors	2002	2002	1	250
			SU722049	Ch Chichester Harbour	2000	2000	1	250
			SU723050	Ch Chichester Harbour	2000	2000	3	300
			SU724050	Ch Langstone	2002	2002	1	380
			SU725052	Ch Chichester Harbour	2000	2000	1	121
			SU726050	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	70
			SU7304	Ch Chichester Hbr Hampshire Sectors	1998	2001	2	850
			SU7304	Ch Northney	2005	2006	2	1100
			SU7304	Ch Sweare Deep	1997	2008	3	800
			SU7304	Ch Warblington	2006	2006	1	400
			SU7404	Ch Emsworth Harbour	2009	2009	1	125
			SU7404	Ch Northney	2004	2004	1	550
			SU7407	Southleigh Farm	1999	1999	1	50
			SU7505	Ch Emsworth Harbour	2008	2008	1	300
<i>Pluvialis squatarola</i>	Grey Plover	HBAP CI	SU7204	Ch Chichester Harbour	1995	2005	13	2026
			SU7205	Ch Warblington	2005	2005	1	1
			SU744051	Ch Warblington	2008	2008	1	30
<i>Podiceps auritus</i>	Slavonian Grebe	EU_Bird_1 HBAP	SU7104	Lh Langstone Harbour	1994	2003	15	3
			SU7105	Lh Langstone Harbour	2003	2003	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
		WCA_s1s1	SU7204	Ch Chichester Harbour	2005	2005	1	6
<i>Podiceps cristatus</i>	Great Crested Grebe	CI	SU7104	Lh Langstone Harbour	1998	1999	3	103
			SU7204	Ch Chichester Harbour	1995	2005	10	37
			SU7405	Ch Emsworth Mill Pond	2007	2007	1	1
			SU744051	Ch Warblington	2007	2007	1	1
<i>Podiceps nigricollis</i>	Black-necked Grebe	HBAP WCA_s1s1	SU7104	Lh Langstone Harbour	2000	2006	12	17
			SU7204	Ch Langstone	2012	2012	1	2
			SU7205	Ch Warblington	1994	2007	3	3
			SU725050	Ch Warblington	2012	2012	1	2
<i>Poecile palustris</i>	Marsh Tit	BOCC_Red	SU7208	Ha Leigh Park Havant	2000	2000	1	1
			SU7305	Ch Warblington Castle Farm Cbc	1999	1999	1	1
			SU733061	Ch Warblington Castle Farm Cbc	1999	1999	1	1
			SU7408	Ch Emsworth	2005	2005	1	1
			SU7408	Hollybank Woods	2006	2006	1	1
			SU7408	Southleigh Forest	2006	2006	1	1
			SU744082	Hollybank Woods	1999	1999	1	1
			SU747084	Ch Emsworth	2004	2004	1	1
<i>Pyrrhula pyrrhula</i>	Common Bullfinch	HBAP	SU7104	Ch Langstone Mill Pond	2007	2007	1	3
			SU7104	Lh Langstone South Moor	2004	2007	4	2
			SU7206	Denvilles (havant)	2011	2011	2	0
			SU7305	Ch Warblington Castle Farm	2011	2012	2	4
			SU7305	Ch Warblington Castle Farm Cbc	1999	1999	1	1
			SU7508	Ch Westbourne	2012	2012	1	2
<i>Rallus aquaticus</i>	Water Rail	CS	SU7104	Ch Langstone Mill Pond	1999	2007	8	2
			SU7104	Lh Langstone South Moor	1999	1999	1	1
			SU7105	Havant	2005	2005	1	1
			SU719052	Ch Wade Court - Havant	2004	2004	1	2
			SU7205	Ch Langstone Mill Pond	2005	2005	2	2
			SU7305	Ch Warblington Castle Farm	1996	2008	2	1
			SU7406	Ch Emsworth	2012	2012	2	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU751061	Brook Meadow, Emsworth	2008	2008	2	1
			SU751063	Brook Meadow, Emsworth	2012	2012	2	1
<i>Recurvirostra avosetta</i>	Pied Avocet	EU_Bird_1 WCA_s1s1 CR	SU7104	Lh Langstone Harbour	2006	2006	1	2
			SU717047	Ch Langstone	2010	2010	1	0
<i>Regulus ignicapilla</i>	Firecrest	HBAP WCA_s1s1 CS	SU70C	Sensitive	2006	2006	1	1
			SU70C	Sensitive	2008	2008	1	1
			SU70D	Sensitive	2008	2008	1	1
			SU70H	Sensitive	1996	2005	2	1
			SU70H	Sensitive	2004	2004	1	1
			SU70H	Sensitive	2012	2012	1	1
			SU70I	Sensitive	2010	2010	1	1
			SU70I	Sensitive	2012	2012	1	2
			SU70J	Sensitive	2000	2003	2	1
			SU70P	Sensitive	2004	2004	1	1
<i>Riparia riparia</i>	Sand Martin	CS	SU7104	Lh Langstone South Moor	1996	2007	4	6
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7304	Ch Sweare Deep	2007	2007	1	3
			SU7405	Ch Emsworth Harbour	2010	2010	1	0
<i>Saxicola rubetra</i>	Whinchat	HBAP CR	SU7104	Lh Langstone South Moor	1994	2007	27	4
			SU7104	Lh South Moor, Langstone Harbour	2009	2009	1	1
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7205	Ch Warblington Castle Farm	2005	2005	1	1
			SU7305	Ch Emsworth	2010	2010	1	0
			SU7305	Ch Warblington Castle Farm Cbc	2004	2004	1	1
<i>Stercorarius parasiticus</i>	Arctic Skua	BOCC_Red	SU7104	Lh Langstone South Moor	2000	2000	2	1
<i>Sterna hirundo</i>	Common Tern	EU_Bird_1 CR	SU7104	Lh Langstone Harbour	1995	2000	2	25
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU720074	Havant	2000	2000	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7304	Ch Chichester Harbour	2004	2004	1	5
			SU744051	Ch Warblington	2007	2008	2	1
<i>Sterna paradisaea</i>	Arctic Tern	EU_Bird_1	SU7104	Lh Langstone Harbour	2001	2003	2	19
			SU7304	Ch Sweare Deep	1999	2005	2	1
<i>Sterna sandvicensis</i>	Sandwich Tern	EU_Bird_1 CR	SU7104	Ch Langstone	2004	2004	1	1
			SU7104	Lh Langstone Harbour	1993	2003	2	1
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7105	Ch Langstone	2007	2007	1	1
			SU7106	Havant	2012	2012	1	2
			SU720050	Ch Warblington	2010	2010	1	0
			SU7204	Ch Chichester Harbour	2004	2005	14	5
			SU7204	Ch Chichester Hbr Hampshire Sectors	2003	2003	2	1
			SU7204	Ch Langstone	2005	2012	4	10
			SU7204	Ch Northney	2006	2006	1	2
			SU7205	Ch Langstone	2007	2007	1	3
			SU7205	Ch Warblington	2007	2012	3	1
			SU7206	Ch Langstone	2005	2005	1	1
			SU7304	Ch Sweare Deep	2004	2004	2	1
			SU7304	Lh Langstone Harbour	2010	2010	1	0
			SU7305	Ch Chichester Hbr Hampshire Sectors	2007	2007	1	1
			SU7305	Ch Emsworth Nore Barn	2006	2006	1	1
			SU7404	Ch Emsworth Channel	2007	2007	1	1
			SU7405	Ch Emsworth Harbour	2008	2010	4	7
			SU741051	Ch Emsworth Nore Barn	2008	2008	1	3
			SU744051	Ch Warblington	2007	2008	3	4
			SU7505	Ch Emsworth Harbour	2008	2008	1	1
<i>Sternula albifrons</i>	Little Tern	EU_Bird_1 HBAP WCA_s1s1 CR	SU7104	Lh Langstone Harbour	1999	1999	1	4

Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Streptopelia turtur</i>	European Turtle Dove	BOCC_Red HBAP NERC_s41	SU751050	Ch Emsworth	2009	2009	1	1
			SU751061	Brook Meadow, Emsworth	2008	2008	1	1
<i>Sturnus vulgaris</i>	Common Starling	BOCC_Red	SU7104	Lh Langstone South Moor	2006	2006	1	1250
			SU7205	Ch Warblington	2007	2007	1	200
			SU7305	Ch Warblington	2006	2006	1	12
			SU7305	Ch Warblington Castle Farm	2012	2012	1	100
			SU7305	Ch Warblington Castle Farm Cbc	1997	2006	6	8
			SU7406	Ch Emsworth	1999	2011	2	90
<i>Sylvia undata</i>	Dartford Warbler	EU_Bird_1 HBAP WCA_s1s1 CI	SU70C	Sensitive	2000	2000	3	1
			SU70P	Sensitive	2006	2006	1	1
<i>Tadorna tadorna</i>	Common Shelduck	CI	SU7104	Ch Langstone Mill Pond	2001	2001	1	1
			SU7104	Lh Langstone South Moor	2006	2006	1	6
			SU7105	Lh Langstone Harbour	2007	2007	1	60
			SU7204	Ch Chichester Harbour	1995	2005	14	825
			SU7204	Ch Northney	2006	2006	1	102
			SU7205	Ch Warblington	2006	2006	1	10
			SU7304	Ch Sweare Deep	1996	2005	2	24
			SU7304	Ch Warblington	2005	2005	1	64
			SU7305	Ch Warblington Castle Farm	2010	2010	1	0
			SU7305	Ch Warblington Castle Farm Cbc	1996	2004	3	1
			SU736051	Ch Chichester Hbr Hampshire Sectors	2007	2007	1	2
			SU7405	Ch Emsworth Nore Barn	2012	2012	1	38
			SU744051	Ch Warblington	2007	2009	7	124
<i>Tringa nebularia</i>	Common Greenshank	WCA_s1s1	SU7104	Ch Langstone	2006	2006	2	4
			SU7104	Lh Langstone Harbour	2006	2007	4	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7104	Lh Langstone South Moor	1996	2006	4	2
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7105	Ch Langstone	2000	2007	3	3
			SU7105	Lh Langstone Harbour	2007	2010	3	1
			SU715050	Lh South Moor, Langstone Harbour	2012	2012	1	1
			SU717047	Ch Langstone	2012	2012	1	8
			SU720050	Ch Langstone	2012	2012	1	3
			SU720050	Ch Warblington	2010	2010	2	0
			SU7204	Ch Chichester Harbour	1995	2005	8	15
			SU7204	Ch Chichester Hbr Hampshire Sectors	2002	2003	2	1
			SU7204	Ch Langstone	1999	2002	2	2
			SU7204	Ch Northney	2007	2010	4	2
			SU7204	Ch Warblington	2003	2012	3	7
			SU7204	Lh Langstone Harbour	2007	2012	5	4
			SU7205	Ch Chichester Hbr Hampshire Sectors	1999	1999	1	1
			SU7205	Ch Warblington	1996	2012	7	4
			SU725045	Ch Chichester Hbr Hampshire Sectors	2001	2001	1	2
			SU725050	Ch Warblington	2012	2012	1	2
			SU7304	Ch Chichester Hbr Hampshire Sectors	2003	2003	2	3
			SU7304	Ch Northney	2003	2003	1	2
			SU7304	Ch Sweare Deep	1995	2008	4	4
			SU7305	Ch Chichester Hbr Hampshire Sectors	1999	2007	2	7
			SU7305	Ch Emsworth	1998	2012	9	5
			SU7305	Ch Emsworth Nore Barn	2006	2009	33	15
			SU7305	Ch Warblington Castle Farm	1995	2010	6	2
			SU736052	Ch Chichester Hbr Hampshire Sectors	2003	2003	1	1
			SU740053	Ch Emsworth Nore Barn	2008	2008	5	7
			SU7404	Ch Emsworth Harbour	2008	2008	1	18
			SU7405	Ch Emsworth	1998	2003	2	1
			SU7405	Ch Emsworth Harbour	2004	2010	4	6

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7406	Ch Emsworth Nore Barn	2009	2009	1	2
			SU747053	Ch Chichester Harbour	2000	2000	1	1
			SU7505	Ch Emsworth	1993	2012	16	25
			SU7505	Ch Emsworth Harbour	1999	2009	31	11
			SU751054	Ch Chichester Harbour	2000	2000	5	7
			SU752051	Ch Emsworth Harbour	2007	2007	21	10
<i>Tringa ochropus</i>	Green Sandpiper	WCA_s1s1	SU7104	Ch Langstone Mill Pond	1997	2006	5	1
			SU7104	Lh Langstone Harbour	2003	2003	1	1
			SU7104	Lh Langstone South Moor	1994	2005	47	2
			SU7104	Lh South Moorlangstone Harbour	2010	2010	3	0
			SU7105	Ch Langstone	1999	1999	1	2
			SU7105	Lh Langstone South Moor	2003	2003	1	1
			SU7106	Havant	2001	2012	4	5
			SU716052	Ch Langstone	2000	2000	1	1
			SU720051	Ch Langstone	1999	1999	1	1
			SU720059	Havant	2012	2012	1	2
			SU720060	Havant	2012	2012	1	1
			SU7204	Ch Langstone	1999	1999	1	1
			SU7205	Ch Langstone	1999	1999	1	1
			SU7205	Ch Wade Court - Havant	1994	2002	36	1
			SU7205	Ch Warblington	1995	2000	4	1
			SU721052	Ch Wade Court - Havant	1999	1999	1	1
			SU721060	Havant	2012	2012	1	2
			SU727077	Havant	2003	2003	1	1
			SU7305	Ch Emsworth	2008	2008	1	1
			SU7305	Ch Warblington Castle Farm	1997	1999	2	2
			SU7305	Ch Warblington Castle Farm Cbc	1999	2003	2	1
			SU7308	Ha Little Leigh Farm	2002	2002	2	1
			SU735051	Ch Conigar Point	2009	2009	1	1
			SU7505	Ch Emsworth	1994	2001	10	3

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7505	Ch Emsworth Slipper Pond	2008	2008	1	2
			SU7506	Ch Emsworth	1993	2001	8	2
			SU7506	Ch Emsworth River Ems	2002	2002	2	3
<i>Tringa totanus</i>	Common Redshank	HBAP	SU7204	Ch Chichester Harbour	1995	2005	15	1754
			SU7204	Lh Langstone Harbour	2012	2012	1	120
			SU7206	Su70	2000	2000	1	2
			SU7304	Ch Chichester Harbour	2004	2004	1	136
			SU7304	Ch Northney	1995	2007	2	279
			SU7304	Ch Northney, North Common	2009	2009	1	245
			SU7304	Ch Sweare Deep	1999	1999	1	102
			SU744051	Ch Warblington	2008	2008	1	30
<i>Turdus iliacus</i>	Redwing	BOCC_Red WCA_s1s1	SU7104	Lh Langstone South Moor	2005	2005	1	16
			SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7107	Havant	2004	2004	2	10
			SU7204	Ch Warblington	2011	2011	1	37
			SU7205	Ch Wade Court - Havant	1994	2004	5	150
			SU7205	Ch Warblington	1996	2006	2	40
			SU7206	Denvilles (havant)	2011	2011	1	0
			SU724059	Havant	2003	2003	1	50
			SU7305	Ch Warblington Castle Farm	2004	2004	1	65
			SU7305	Ch Warblington Castle Farm Cbc	2004	2004	1	1
			SU7405	Ch Emsworth	2010	2010	1	0
			SU7507	Ch Emsworth	2012	2012	1	30
			SU751057	Ch Emsworth	2009	2009	1	1
<i>Turdus philomelos</i>	Song Thrush	BOCC_Red HBAP	SU7104	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7206	Denvilles (havant)	2011	2011	1	0
			SU7305	Ch Warblington	2006	2006	1	1
			SU7305	Ch Warblington Castle Farm	2007	2007	1	2
			SU7305	Ch Warblington Castle Farm Cbc	1997	2006	7	7
			SU7404	Ch Emsworth Harbour	2011	2011	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7408	Southleigh Forest	2011	2011	1	5
<i>Turdus pilaris</i>	Fieldfare	BOCC_Red WCA_s1s1	SU7104	Lh Langstone South Moor	2003	2004	2	15
			SU7106	Havant	2003	2003	1	6
			SU729055	Ch Warblington Castle Farm	2010	2010	1	0
			SU7304	Ch Northney Paddocks	2010	2010	1	0
			SU7305	Ch Emsworth	2010	2010	1	0
			SU7305	Ch Warblington Castle Farm	2010	2010	1	0
			SU7405	Ch Emsworth	2010	2010	1	0
<i>Tyto alba</i>	Barn Owl	WCA_s1s1	SU7104	Lh Langstone South Moor	1999	2003	2	1
			SU7105	Lh Brockhampton Stream	2010	2010	1	0
			SU7205	Ch Wade Court - Havant	2003	2003	1	1
			SU7305	Ch Warblington Castle Farm	2010	2010	1	0
			SU735054	Ch Warblington Castle Farm	2010	2010	1	0
<i>Upupa epops</i>	Hoopoe	WCA_s1s1	SU7105	Ch Langstone	2005	2005	1	1
<i>Vanellus vanellus</i>	Northern Lapwing	BOCC_Red HBAP NERC_s41	SU7104	Lh Langstone South Moor	2006	2007	4	60
			SU7105	Lh Langstone Harbour	2007	2007	2	150
			SU7204	Ch Chichester Harbour	1995	2005	18	3473
			SU7204	Ch Chichester Hbr Hampshire Sectors	1998	2002	5	350
			SU7204	Lh Langstone Harbour	2012	2012	1	200
			SU7205	Ch Chichester Harbour	1998	2004	3	301
			SU7205	Ch Warblington	2006	2006	1	260
			SU7206	Havant	2009	2009	1	13
			SU7304	Ch Chichester Harbour	2004	2004	2	300
			SU7305	Ch Emsworth	2012	2012	1	100
			SU7305	Ch Warblington	2006	2006	1	200
			SU7305	Ch Warblington Castle Farm	2007	2007	2	1
			SU7407	Southleigh Farm	1999	1999	1	250
			SU744051	Ch Warblington	2007	2009	3	50
			SU7505	Ch Emsworth	1995	2012	3	200

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* Indicates some of these records are unconfirmed

Confidential records

HBIC holds a small number of records that are to be treated as confidential. Confidentiality can be for a variety of reasons and may relate to a whole site or only to specific species. These records may be withheld or released depending on the nature of the data request and in accordance with the Environmental Information Regulations 2004.

Sensitive species

A small number of species are considered as sensitive by the relevant specialist species recording groups and will be indicated as such on all lists. Species may be considered sensitive for a variety of reasons. Location details for these records will not be disclosed unless the relevant species recording group has given their permission. Grid references will be altered to give a less precise position. Contact HBIC if further information is needed on these records.

Further notes

- Records of species such as the Nationally Rare Box (*Buxus sempervirens*) may not appear on the list as there may be many records but their provenance is not known.
- The location names, where shown, are the originals given by the recorders and may not match any formal name for the location or other colloquial names by which the location may also be known.
- The grid references, where shown, are the originals given by the recorders and may indicate the specific location of the species, a central grid reference representing a larger survey area, or a grid square.
- Where species have been deemed as 'sensitive' by the relevant specialist species recording group the location name will not be shown and the grid reference will have been altered to give a less precise position specified by the species recording group.
- Many of the records have been supplied by specialist species recording groups. Whilst every reasonable effort is made to validate information supplied to the Hampshire Biodiversity Information Centre the accuracy or comprehensiveness of this information cannot be guaranteed.
- Records do not necessarily represent evidence of breeding at a site; please contact HBIC if further details are required for any of these records.
- Whilst a species may have been recorded at a site, this does not indicate that the species is still present. Equally, the absence of a species from a site does not signify that it is absent, only that it has not been recorded, that the site has not been surveyed for this species, or that HBIC has not been informed of its presence.
- Quantities of '0' (zero) indicate that the species was 'present' but the number of individuals seen was not recorded. Negative quantities correspond to the DAFOR scale (plus very rare and 'locally' criteria) as follows:
 - -1 = Dominant (DAFOR)
 - -2 = Abundant (DAFOR)
 - -3 = Frequent (DAFOR)

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- -4 = Occasional (DAFOR)
- -5 = Rare (DAFOR)
- -6 = Very Rare
- -21 = Locally Dominant
- -22 = Locally Abundant
- -23 = Locally Frequent
- Negative quantities of '-7' (minus seven) indicates that the species was 'not found'. These records are not included in protected and notable species lists.
- Max_Count values of '0' (zero) indicate that none of the records had a positive quantity count and hence the highest count numerical value was '0' (indicating 'present'). Max_Count values of blank indicate that none of the records had a numerical count value and instead they all had frequency values (e.g. using the DAFOR scale).

Status codes and abbreviations:

EU_Bird_1	Annex I of the Birds Directive
EU_Hab_2	Annex II of the Habitats Directive (priority species)
EU_Hab_2np	Annex II of the Habitats Directive (non-priority species)
EU_Hab_4	Annex IV of the Habitats Directive
EU_Hab_5	Annex V of the Habitats Directive
IUCN_(pre 94)	See IUCN (pre 1994) guidelines
IUCN_(1994)	See IUCN (1994) guidelines
IUCN_(2001)	See IUCN (2001) guidelines
BOCC_Red	Birds of Conservation Concern Red list
NR	Nationally rare (occurring in 15 or fewer 10km squares in Great Britain)
NS	Nationally scarce (occurring in 16 - 100 10km squares in Great Britain)
NN	Nationally notable (occurring in 16 - 100 10km squares in Great Britain or less than 20 Vice Counties)
HBAP	Hampshire Biodiversity Action Plan species
NERC_s41	Priority Species listed under Section 41 of the Natural Environment and Rural Communities Act 2006
WCA_s1p1	Schedule 1 Part 1 of the Wildlife and Countryside Act 1981 (as amended)
WCA_s5s91(k)	Schedule 5 Section 9 Part 1 (killing/injuring) of the Wildlife and Countryside Act 1981 (as amended)
WCA_s5s91(t)	Schedule 5 Section 9 Part 1 (taking) of the Wildlife and Countryside Act 1981 (as amended)
WCA_s5s94a	Schedule 5 Section 9 Part 4a of the Wildlife and Countryside Act 1981 (as amended)
WCA_s5s94b	Schedule 5 Section 9 Part 4b of the Wildlife and Countryside Act 1981 (as amended)
WCA_s5s94c	Schedule 5 Section 9 Part 4c of the Wildlife and Countryside Act 1981 (as amended)

WCA_s8	Schedule 8 of the Wildlife and Countryside Act 1981 (as amended)
HabReg_2	Schedule 2 of Conservation of Habitats and Species Regulations 2010 (European Protected Species animal)
HabReg_5	Schedule 5 of Conservation of Habitats and Species Regulations 2010 (European Protected Species plant)
PBA	Protection of Badgers Act 1992
NI	National Interest
CR	County Rare
CS	County Scarce
CI	County Interest
nHR	North Hampshire Rare (VC12)
sHR	South Hampshire Rare (VC11)
nHS	North Hampshire Scarce (VC12)
sHS	South Hampshire Scarce (VC11)

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Appendix D – Peak Counts (WYG)

Havant Road, Emsworth: Wintering Birds Survey Report



	13th Oct 2014	23rd Oct 2014	9th Nov 2014	26th Nov 2014	3rd Dec 2014	18th Dec 2014	6th Jan 2015	22nd Jan 2015	5th Feb 2015	17th Feb 2015	3rd Mar 2015	18th Mar 2015
Blackbird	17	37	25	22	26	13	14	14	18	18	19	24
Blackcap		1										
Black-headed gull	(40)	(10)	(23)	(208)	(25)	(171)	(25)	(27)	(17)	(9)	(22)	(62)
Blue tit	6	12	7	11	10	16	12	12	14	14	6	15
Bullfinch					1			6	3 (1)			
Canada goose											(1)	
Carrion Crow	3 (2)	2 (10)	2 (6)	3 (5)	2 (1)	4(1)	7	5 (2)	4	4 (2)	7 (13)	6 (1)
Chaffinch	1	1(3)	3	1	2 (3)		2	4	1	4	6	6
Chiffchaff		2		1	1					1		5
Coal tit											1	
Collared Dove		(7)	(1)	1	(4)	(2)	2 (2)	(1)	(1)		1 (2)	3
Com. buzzard			(1)				1 (1)	1	1	2	1	(1)
Common gull			(3)	(6)			(1)			(1)		

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Havant Road, Emsworth: Wintering Birds Survey Report



	13th Oct 2014	23rd Oct 2014	9th Nov 2014	26th Nov 2014	3rd Dec 2014	18th Dec 2014	6th Jan 2015	22nd Jan 2015	5th Feb 2015	17th Feb 2015	3rd Mar 2015	18th Mar 2015
Curlew					(5)	(7)			(2)			
Dunnoek	7	12	14	14	14	11	9	17	19	23	15	14
Fieldfare					(1)							
Firecrest										1	1	
Goldcrest	5	2	3	5	5	3			5	4	3	2
Golden plover						(7)						
Goldfinch	(2)	9 (2)	1 (4)	(1)	2	(2)	(1)	(1)	(2)	3 (2)	(5)	1 (2)
Great tit	7	8	10	9	13	9	9	12	11	8	14	8
Great spt woodpecker				1			1					
Greenfinch			(1)	2 (2)	3 (3)	1 (1)		3 (3)	5 (1)	4 (4)	5 (8)	2 (4)
Green sandpiper								(1)				
Grey heron											(1)	
Grey wagtail		(1)		(1)	(1)		1	1 (1)	(1)	(1)	(1)	
Herring gull	(2)	(7)	(10)	(32)	(5)	(13)	(25)	(7)	(11)	(11)	(20)	(17)

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Havant Road, Emsworth: Wintering Birds Survey Report



	13th Oct 2014	23rd Oct 2014	9th Nov 2014	26th Nov 2014	3rd Dec 2014	18th Dec 2014	6th Jan 2015	22nd Jan 2015	5th Feb 2015	17th Feb 2015	3rd Mar 2015	18th Mar 2015
House sparrow		5	8 (1)	16	13	8	10	16	16	10	13	5
Jackdaw	(5)	(19)	(11)	(9)	4 (2)	(83)	(8)	(20)	(7)	(57)	(4)	(7)
Jay		1 (1)										1
Kestrel				1				1		1	2	1
Lesser black-backed gull	(2)									(1)	(6)	
Linnet		(1)			(1)							
Little Egret			(1)	(1)	(1)				(1)			(1)
Long-tailed tit	3	12	7	10	19	6	6	2 (2)	4	5	4	2
Magpie	7	6	7 (1)	9 (1)	6	7 (2)	27	9	6		8 (1)	5
Meadow pipit	(3)	(3)	(2)	(1)		(1)		(5)	(3)		(1)	2 (2)
Mediterranean gull											(4)	(8)
Pheasant	3											
Pied wagtail	(1)	(3)	(2)	(4)	(2)	(2)	(1)		(1)			
Redwing					1 (4)	(3)			72			1

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Havant Road, Emsworth: Wintering Birds Survey Report



	13th Oct 2014	23rd Oct 2014	9th Nov 2014	26th Nov 2014	3rd Dec 2014	18th Dec 2014	6th Jan 2015	22nd Jan 2015	5th Feb 2015	17th Feb 2015	3rd Mar 2015	18th Mar 2015
Robin	17	20	21	16	19	11	13	15	10	20	15	18
Rook		(61)	(40)	(46)	(51)	(29)	(83)	(33)	(24)	(34)	(11)	(4)
Skylark		(1)	(5)					(5)				(2)
Song thrush	2	8 (1)	5	4	6 (1)	5	2	5	6	2	4	2
Sparrowhawk	1		1 (1)	1		1	(1)				1	
Starling	(180)	(13)	(24)	(2)	(3)	(5)	(1)		(3)		1 (14)	(5)
Stock dove			(2)	(5)	(1)	(4)	(3)	(3)	(1)	(7)	1 (2)	
Woodpigeon	19 (3)	23 (51)	14 (5)	5 (25)	59 (199)	36 (91)	104 (101)	27(350)	380 (188)	45 (42)	51 (20)	38 (57)
Wren	2	12	19	10	14	9	6	8	7	13		

Figures are the maximum count of birds which were using the site during the Walkover survey or VP survey on each date

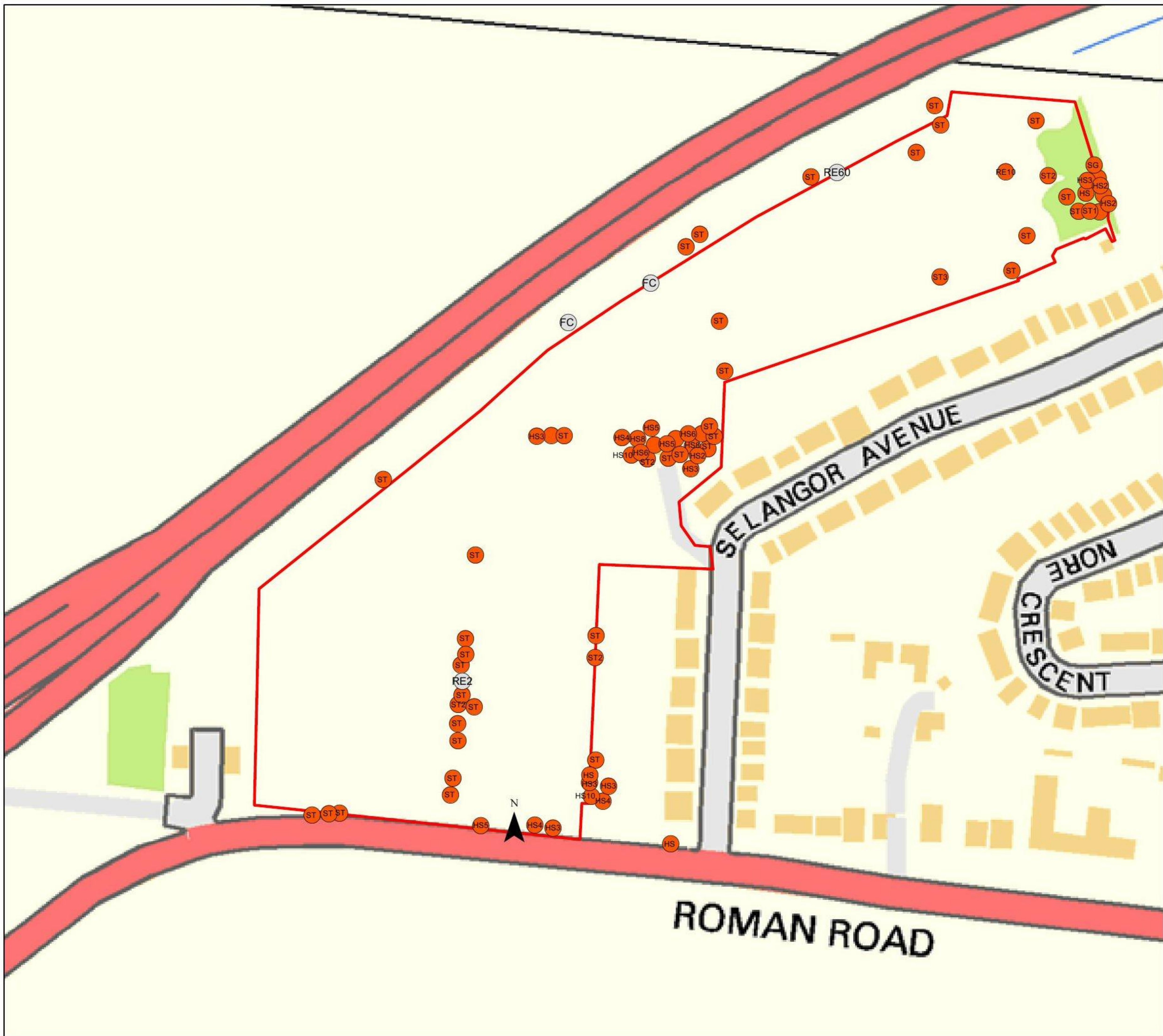
Bold type – Species of Conservation Concern (see also Table 2).

Non bold type – Green listed species or introduced species (pheasant)

() maximum number of birds recorded in flight during either the walkover survey or VP survey



Appendix E: Survey Plans



○ Schedule 1 WCA Species

● Red List

— Site Boundary

- Firecrest - FC
- Redwing - RE
- House Sparrow - HS
- Song Thrush - ST
- Starling - SG

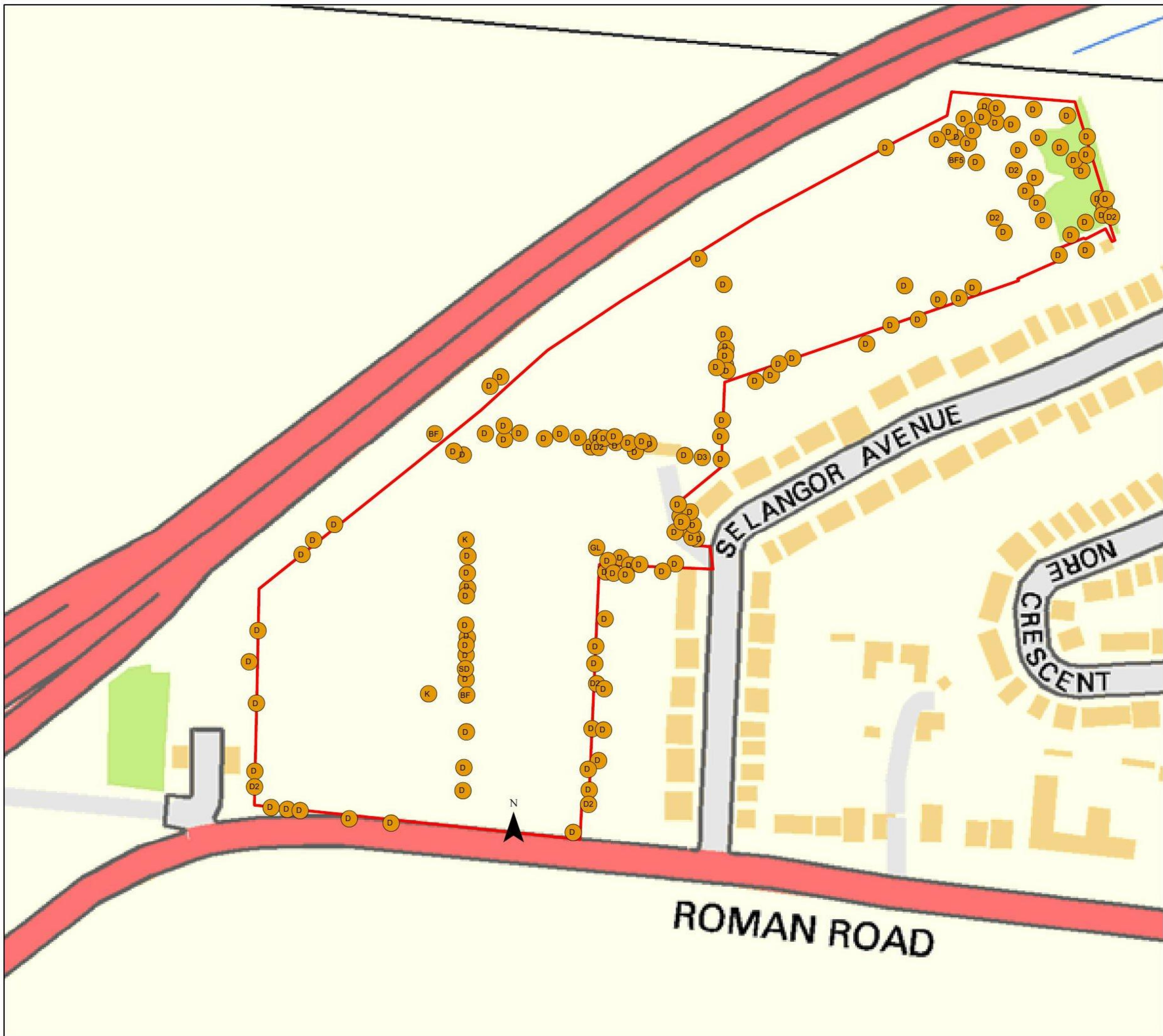
The Pavillion, 1st Floor
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Southampton Hants SO30 2AF
WYG Planning & Environment
Tel: 02382 022800
email: ecology@wyg.com
creative minds safe hands

Project name Land at Warblington

Red Listed Species
Drawing title Species Included in
Schedule 1 of WCA 1981

Scale at A3:	Drawn by: JS	Date: 30/07/15	Checked By: DG	Date: 30/07/15	Approved By: CM	Date: 09/07/2015
Project No: A088368	Office: 45	Type: 94	Drawing No: Plan 2	Revision		

Base map provided by



— Site Boundary

Bullfinch - BF
 Dunnock - D
 Grey Wagtail - GL
 Kestrel - K
 Meadow Pipit - MP
 Stock Dove - SD

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Project name Land at Warblington

Drawing title Amber Listed Species

Scale at A3:	Drawn by: JS	Date: 30/07/15	Checked By: DG	Date: 30/07/15	Approved By: CM	Date: 09/07/2015
Project No: A088368	Office: 45	Type: 94	Drawing No: Plan 2	Revision		

Base map provided by