

PORTSDOWN HILL ROAD, PORTSMOUTH
ECOLOGICAL APPRAISAL

Prepared for James Laurence Group

by

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HDA ref: 702.3

March 2014

CONTENTS

	Page
1 Introduction	1
2 Methodology	1
3 Desk study	4
4 Extended Phase 1 Habitat Survey	11
5 Protected and notable species	13
6 Nature conservation evaluation	17
7 Recommendations	18
8 Conclusion	23
9 References	24

HDA Document Control and Quality Assurance Record

APPENDICES

A	Desk Study Results
B	Phase 1 Habitat Survey Plan: Map and Target Notes
C	Phase 1 Bat Scoping and Badger Survey Plan
D	Badger Sett Recording Forms
E	Evaluation Criteria

1 INTRODUCTION

- 1.1 This report describes an Ecological Appraisal including Phase 1 Bat Scoping and Badger surveys of approximately 0.65ha of land off Portsdown Hill Road, Havant, Hampshire hereinafter referred to as 'the site'. The site centre is located by National Grid Reference SU 6922 0629. The study was commissioned by James Laurence Group in February 2014.
- 1.2 The site is situated within a line of detached properties on the southern side of Portsdown Hill Road (B2177). The site is bordered to the north by Portsdown Hill Road and agricultural land beyond; to the east and west by the gardens of residential properties; and to the south by agricultural land. In general terms, the site comprises a large garden incorporating the site of a former quarry now dominated by naturally regenerating scrub and trees.
- 1.3 The aims of the study are:
- i. To assess the likely nature conservation importance of habitats within the site;
 - ii. To assess the likely presence of protected species and habitats and species of principal importance as identified under Section 41 of the 2006 NERC Act;
 - iii. To identify any potential constraints to development due to the above;
 - iv. To identify requirements for any additional ecological surveys in support of a planning application; and
 - v. To identify measures to avoid and mitigate potential effects of development on identified features of ecological interest.
- 1.4 The proposals for the site include the development of three detached residential dwellings on the northern slope of the former quarry pit with access provided onto Portsdown Hill Road via an existing driveway (Randell Design Group, dwg. no. P053/0.120). The majority of the site to the south of the proposed dwellings is proposed as a communal garden area.

2 METHODOLOGY

2.1 Desk study

- 2.1.1 Existing ecological and nature conservation data relevant to the site was collated from various sources including the 'Multi Agency Geographic Information for the Countryside' (MAGIC) online database (<http://magic.defra.gov.uk>) and the Hampshire Biodiversity Information Centre (HBIC). A check for protected species records was carried out for an area of approximately 2km around the site and a check for statutory designated sites within 10km of the site was carried out using the Magic database. The findings of the desk study are summarised in *Section 3* below and the full results are given in *Appendix A*.

2.2 Field survey

2.2.1 The field survey comprised an extended Phase 1 Habitat Survey (JNCC, 2007) with Phase 1 Bat Scoping and Badger surveys carried out by Alex Leishman GradCIEEM on 26th February 2014.

Phase 1 Habitat Survey

2.2.2 The extended Phase 1 Habitat Survey involved walking over the site, mapping the main habitat types and compiling detailed 'target notes'. Target notes record habitat features and a list of vascular plant species noted, together with a qualitative assessment of relative abundance, where appropriate. The full results of the Phase 1 Habitat Survey are given in *Appendix B*. Botanical names follow Stace (1997) for higher plants.

Phase 1 Bat Survey

2.2.3 The Phase 1 Bat Scoping Survey comprised an assessment of the potential for buildings and trees within the site to support bats. This involved external ground-level inspections of all buildings and trees to identify features potentially used by roosting bats, such as missing tiles, gaps in soffits, lead flashing etc. in the case of buildings, and loose bark, splits and hollows in the case of trees. In accordance with current best practice guidelines (BCT, 2012), trees were categorised into one of five categories. Categorisation was based on the nature, size, location and quality of features present in each tree:

- Known or confirmed bat roost;
- BCT Category 1* - Trees with multiple, highly suitable features capable of supporting larger roosts;
- BCT Category 1 - Trees with definite bat potential, supporting fewer suitable features than Category 1* trees or with potential for use by single bats;
- BCT Category 2 - Trees with no obvious potential, although the tree is of a size and age that elevated surveys might result in cracks or crevices being found; or the tree supports some features which may have limited potential to support bats; and
- BCT Category 3 - Trees with no potential to support bats.

2.2.4 Built structures were classified as having 'high', 'moderate', 'low' or 'negligible' potential to support roosting bats. Assessment of bat roosting potential requires consideration of a number of criteria including the design and construction of the building or structure, the size and location of potential features and access points, the position of the building or structure, aspect, surrounding habitat use and adjacent landscape linkages.

- 2.2.5 The results of the Phase 1 Bat Scoping Survey determine the need for further surveys in relation to trees and buildings. A plan showing the results of the Phase 1 Bat Scoping Survey is provided in *Appendix C*.

Badger Survey

- 2.2.6 The Badger survey comprised a systematic search of the site for Badger setts and evidence of Badger activity. For each confirmed Badger sett a recording card was completed detailing the type of sett, number of entrances and level of activity (from disused to active). A plan showing the results of the Badger Survey is provided in *Appendix C* and Badger sett recording forms are given in *Appendix D*.

Other Species

- 2.2.7 Observations on the presence, or potential presence, of other protected species were recorded as incidental information to the extended Phase 1 Habitat Survey and this information should not be relied on as a comprehensive assessment of the presence or otherwise of all protected species on the site. This is because there is a wide range of protected species, many of them can occur on one site and most require specialist expertise to locate them and/ or season-critical survey techniques to confirm their presence, and this is outside the scope of the present report.

- 2.2.8 A total of four hours was spent carrying out the field survey. Weather conditions were mild with scattered clouds and rain showers.

2.3 Evaluation Criteria

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

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

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

- 2.3.3 Assigning value is relatively straightforward in the case of designated sites, and undesignated sites meeting designation criteria. However, in most cases evaluation

of ecological resources is not straightforward and requires a degree of knowledge, training, experience and professional judgement (Usher, 1986; Spellerberg, 1992). Evaluation of an ecological resource was based on a number of criteria (Ratcliffe, 1977; IEEM 2006). These are summarised in *Appendix E*.

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

2.4 Limitations

- 2.4.1 Phase 1 Habitat Surveys carried out during the period mid-October to early April are generally less efficient than during the spring or summer and it is possible that some species may have been missed by this field survey. Notwithstanding this, no further limitations were encountered during the survey and in view of the ecological character of the habitats recorded, it is considered that the survey is adequate to allow a robust assessment of the site's likely nature conservation significance.

- 2.4.2 During the Badger survey, a minority of land outside the site, but within 30m of the site boundary, could not be accessed or viewed adequately to confirm the absence of Badgers, in particular along the southern site boundary. This is not considered a significant limitation however as the southern margin of the site is not expected to be affected by the proposed development.

3 DESK STUDY

3.1 Introduction

- 3.1.1 The following section summarises the findings of the desk study. The original data and a plan showing the locations of designated sites are given in *Appendix A*. The findings of the Phase 1 Habitat Survey and an assessment of the importance of the site for protected species and species of principal importance are given in *Sections 4* and *5* respectively.

3.2 Designated Sites

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

Statutory designated areas

- 3.2.2 The nearest statutory designated sites of international nature conservation importance are Farlington Marshes (SPA, Ramsar, SSSI and LNR) and Langstone Harbour (SAC, SPA, Ramsar and SSSI) which are both located approximately 850m south of the site

at OS grid references SU 689 050 and SU 687 052 respectively. Both sites form component parts of the Chichester and Langstone Harbours Special Protection Area for birds (SPA) and Ramsar site, which is designated for supporting internationally important assemblages of waterbirds. Langstone Harbour forms part of the Solent Maritime Special Area of Conservation (SAC) which is designated for its estuarine habitats supporting rare marine flora and fauna.

3.2.3 The next closest international nature conservation designation to the site is Solent and Isle of White Lagoons (SAC), which is encompassed within Farlington Marshes (SPA, Ramsar, SSSI and LNR). Solent and Isle of White Lagoons SAC is located approximately 2.3km south-west of the site at NGR SU 682 041 and is designated for its coastal lagoon habitat.

3.2.4 Portsmouth Harbour (SPA, Ramsar and SSSI) is located approximately 4.3km south-west of the site at NGR SU 652 046. Portsmouth Harbour is designated an SPA and Ramsar site for its internationally significant assemblages of waterbirds. No other sites of international conservation importance are located within 10km of the site.

3.2.5 There are four other Sites of Special Scientific Interest (SSSIs) within 5km of the site, the closest of which is Portsdown SSSI, located approximately 2.8km west and designated for its chalk grassland flora and diverse invertebrate assemblages. Warblington Meadow SSSI is located approximately 3.8km south-east of the site and designated for its unimproved grazing marshes supporting a rich diversity of flora. Lye Heath Marsh SSSI and Hook Heath Meadows SSSI are both located approximately 4.8km north-west of the site. Lye Heath Marsh SSSI is designated for its mosaic of unimproved grassland, woodland and wetland habitats supporting rare and scarce flora. Hook Heath Meadows SSSI is designated for its unimproved acid pasture and woodland mosaic, supporting rare and scarce plant species. No other sites of national conservation importance are located within 5km of the site.

3.2.6 There are two other Local Nature Reserves (LNRs) within 5km of the site, including West Hayling LNR, which is a component part of Langstone Harbour (SSSI, SPA, Ramsar and SAC). West Hayling LNR is located approximately 3.1km south-east of the site. Hayling Billy LNR is located approximately 3.1km south-east of the site. LNRs are designated for the enjoyment of the wildlife and habitats they support by the local community.

Non-statutory designated areas

3.2.7 31 Sites of Importance for Nature Conservation (SINCs) were identified within 2km of the site, the closest of which is 'Fields off Havant Road' SINC located immediately to

the south of the site. This agricultural land, of approximately 12.3ha in extent, is designated a SINC as it has been known to support significant numbers of foraging Dark-bellied Brent Geese during the winter months in association with the Chichester and Langstone Harbours and Portsmouth Harbour SPAs on the coast. Dark-bellied Brent Goose is also a UKBAP priority species. The SINC also supports Dwarf Spurge, which is listed as 'near threatened' on the Great British Red List of vascular plants.

3.2.8 The next closest SINC to the site is 'Camp Down Grassland Remnants', located approximately 170m to the north, which is designated for its unimproved grassland.

3.2.9 There are 16 areas of woodland listed on Natural England's Inventory of Ancient Woodlands within 2km of the site. The closest of these to the site is 'Littlepark Wood (East)' SINC, located approximately 700m north of the site, comprising areas of ancient and replanted semi-natural broadleaved woodland.

3.3 Biodiversity Action Plan (BAP) Habitats and Species

3.3.1 The UK Biodiversity Action Plan (HMSO 1995, 1998; UKBAP 2007) lists species and habitats which have undergone significant declines in recent years and for which conservation is a priority in order to preserve biodiversity in the UK. The BAPs provide a list of actions to be implemented to halt or reverse these declines.

3.3.2 These species and habitats are identified as Habitats and Species of Principal Importance for the conservation of biological diversity in England under Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006. The 2012 NPPF and underpinning guidance (ODPM 2005) requires that these habitats and species are a material consideration in the planning process.

3.3.3 The Hampshire Biodiversity Action Plan (HBAP) was launched in 2010 and includes BAPs for 22 habitats and 493 species considered of biodiversity importance within the county. Examples of habitats listed within the BAP which may be relevant to the site include Urban habitats. Priority species/ species groups listed in the action plan include Pipistrelle bat, Serotine bat, Water Vole, Great Crested Newt and Stag Beetle amongst others.

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

"Maintain existing populations and range of Pipistrelle bats in Hampshire"

"Achieve a significant restoration of the Hampshire Pipistrelle bat population."

"To create new areas for biodiversity"

3.3.5 The Havant Local Biodiversity Action Plan was produced in 2011 and provides locally applicable strategies and actions to achieve better nature conservation within the Havant Borough and contribute to national and county BAP objectives.

3.4 Protected and Notable Species

3.4.1 The desk study has shown that there are currently no records of protected or notable species confirmed as occurring within the site (*Appendix A*).

3.4.2 However, data from HBIC has shown that there are records of bats, Hazel Dormouse, Badger, reptiles and notable birds, plants and invertebrates occurring within 2km of the site.

3.4.3 Bat Species

3.4.3.1 HBIC provided 71 records of bats within 2km of the site. These include records for Common Pipistrelle *Pipistrellus pipistrellus*, Soprano Pipistrelle *Pipistrellus pygmaeus*, unspecified Pipistrelle species *Pipistrellus* sp., Brown Long-eared *Plecotus auritus*, Daubenton's *Myotis daubentonii*, unspecified *Myotis* species and Serotine *Eptesicus serotinus*. Potentially the closest records to the site relate to Serotine and *Myotis* bats pertaining to the 1km grid square containing the site. The next closest records to the site pertain to residential properties along Beverly Grove, located approximately 400m west of the site, which relate to unspecified species of Pipistrelle bats.

3.4.3.2 All UK bat species are protected under The Conservation of Habitats and Species Regulations 2010 (as amended), which implements the EC Habitats Directive 92/43/EEC in the United Kingdom. In relation to European Protected Species (EPS), the 2010 Regulations make it an offence to:

- Deliberately capture, injure or kill any wild animal of an EPS.
- Deliberately disturb wild animals of any such species, in particular any disturbance which is likely to: (i) impair their ability to survive, to breed or reproduce, or to rear or nurture their young; or to hibernate or migrate; (ii) affect significantly the local distribution or abundance of the species to which they belong.
- Damage or destroy a breeding site or resting place of such an animal.
- To (a) be in possession of, or to control; (b) to transport any live or dead animal or any part of an animal; (c) to sell or exchange or (d) offer for sale or exchange any live or dead animal or part of an animal of an EPS.

3.4.3.3 In addition, all UK bats are protected under the Wildlife and Countryside Act 1981 (as amended). All species are listed on Schedule 5 of the Act and are subject to the provisions of Sections 9.4b and 9.4c, which make it an offence to:

- Intentionally or recklessly disturb a bat while it is occupying a structure or place which it uses for shelter or protection.
- Intentionally or recklessly obstruct access to any structure or place used for shelter or protection by a bat.

3.4.3.4 Seven species of bat (Barbastelle, Bechstein's, Noctule, Soprano Pipistrelle, Brown Long-eared, Greater Horseshoe and Lesser Horseshoe) are included as priority species on the UKBAP. Barbastelle, Bechstein's, Greater Horseshoe, Grey Long-eared, Pipistrelle and Serotine bats are also listed as priority species on the Hampshire BAP.

3.4.4 Hazel Dormouse

3.4.4.1 Seven records of Dormouse were provided by HBIC for the desk study area. These records pertain to the 1km grid square containing areas of ancient woodland, including 'Littlepark Wood (East)' SINCE, located approximately 700m to the north of the site.

3.4.4.2 The Dormouse is protected through its inclusion on Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) (see *Section 3.4.3.3*) and is a European Protected Species (EPS) through the EC Habitats Directive 1992 as implemented by the Conservation of Habitats and Species Regulations 2010 (as amended) (see *Section 3.4.3.2*). It is also a priority species on the UK and Hampshire BAPs.

3.4.5 Water Vole

3.4.5.1 55 records of Water Vole were provided by HBIC for within 2km of the site. These records pertain to sections of watercourse located within and adjacent to Farlington Marshes SSSI, approximately 1.2km south-west of the site.

3.4.5.2 The Water Vole is protected through its inclusion on Schedule 5 of the Wildlife and Countryside Act 1981 (as amended). This makes it an offence to:

- intentionally or recklessly kill, injure or take Water Voles;
- possess or control live or dead specimens or anything derived from a Water Vole;
- intentionally or recklessly damage, destroy or obstruct access to any structure or place which Water Voles use for shelter or protection; or
- intentionally or recklessly disturb Water Voles while they are using such a place, unless permitted under a licence issued by Natural England.

3.4.5.3 Water Vole is also a priority species on the UK and Hampshire BAPs.

3.4.6 Badgers

3.4.6.1 HBIC provided one low resolution record of Badger within the search area relating to the 1km grid square located approximately 200m west of the site and dating from 2009.

3.4.6.2 Badgers and their setts are protected under The Protection of Badgers Act 1992. Any activity that may damage a sett or disturb Badgers using a sett will require a licence from the appropriate licensing body.

3.4.7 Reptiles

3.4.7.1 57 records Slow-worm *Anguis fragilis* and 6 records of Common Lizard *Zootoca vivipara* were provided for the search area. All records of Slow-worm pertain to the A27 corridor and adjacent Farlington Marshes SSSI, approximately 700m south of the site. Three records of Common Lizard pertain to Farlington Marshes SSSI located approximately 1km south-west of the site and the other three relate to large numbers of this species at Portsmouth Golf Club, located approximately 1.5km north-west of the site.

3.4.7.2 All native reptiles are protected against killing and injury under the Wildlife and Countryside Act 1981 (as amended) and listed as 'priority species' on the UKBAP. Smooth Snake and Sand Lizard are also Hampshire BAP priority species and receive additional protection under the Schedule 5 of the 1981 Wildlife and Countryside Act and through the EC Habitats Directive 1992 as implemented by the Conservation of Habitats and Species Regulations 2010 (as amended).

3.4.8 Birds

3.4.8.1 All nesting birds are afforded a basic level of protection under the Wildlife and Countryside Act 1981 (as amended). Species included on Schedule 1 of the Act are afforded additional protection against disturbance when breeding. HBIC provided around 20,000 records of birds for the desk study area, the majority of which pertain to coastal wetland habitats to the south of the site and surrounding farmland. Potentially the nearest records to the site relate to Brent Goose pertaining to farmland to the immediate north and south of the site. The Brent Goose is an RSPB Birds of Conservation Concern (RSPB, 2009) Red Listed species and is a Hampshire Biodiversity Action Plan priority species.

3.4.9 Invertebrates

3.4.9.1 No records of protected invertebrates were provided for the desk study area other than Stag Beetle which is protected against sale only through its inclusion on the Wildlife and Countryside Act (as amended). HBIC provided around 1400 records of notable invertebrates including seven Hampshire BAP priority species. The majority of the records pertain to Farlington Marshes SSSI and Portsmouth Golf Club, located approximately 1.2km south-west and west of the site respectively. Potentially the closest record to the site relates to Stag Beetle, which is also a UKBAP and Hampshire BAP priority species, pertaining to residential development located approximately 450m south-west of the site.

3.4.10 Plants

- 3.4.10.1 No records were provided for protected plants within the desk study area. 199 records of notable plants were provided by HBIC, the nearest of which to the site relates to Dwarf Spurge, which is listed as 'near threatened' on the Great British Red List of vascular plants, pertaining to 'Fields off Havant road' SINC located immediately south of the site.

3.4.11 Other Species

- 3.4.11.1 Eight records of Hedgehog, a UKBAP priority species, were provided for the desk study area, most of which pertain to residential development to the west of the site. The closest of these records to the site pertains to a residential road located approximately 900m to the west.
- 3.4.11.2 No records of other protected or notable species, including White-clawed Crayfish, Otter and amphibians were provided for the search area.

3.12 Planning Policies

- 3.12.1 Current local planning policy for Havant Borough is made up of policies from the Core Strategy, adopted in March 2011, and saved policies from the Havant Borough District-wide Local Plan. Sections of Policy CS11 and Policy CS13 from the Core Strategy relate to nature conservation in connection with development:

Policy CS11: Protecting and Enhancing the Special Environment and Heritage of Havant Borough

"Planning permission will be granted for development that:

- 2. Protects and where possible enhances the borough's statutory and non-statutory designated landscape, habitats and features of biological, hydrological or geological interest. Protection and enhancement will be achieved by appropriate adaptation and mitigation measures including wardening, education and information and the creation of new habitats, water bodies/courses planting of new trees and woodland.*
- 3. Has particular regard to the following hierarchy of nature conservation designations within the borough (as identified on the Proposals Map):*
 - (i) Special Protection Areas (SPA), Special Areas of Conservation (SAC) and Ramsar [International].*
 - (ii) Sites of Special Scientific Interest (SSSI) and National Nature Reserves [National].*
 - (iii) Sites of Importance for Nature Conservation (SINC), Local Nature Reserves (LNR), other Ancient Woodland not identified in (ii) above [Local].*

5. *Supports an ongoing programme of survey of habitats and species and designation of Sites of Importance for Nature Conservation.*
6. *Incorporates partnership working with conservation organisations to improve public understanding of biodiversity and to manage public access to designated sites, particularly on the coast, to reduce harm to nature conservation interests.*
7. *Incorporates partnership working with landowners and developers to ensure land management practices restore, enhance and where appropriate create new valued landscapes, habitats and their soil structure, particularly the ancient woodland remnants of the Forest of Bere and coastal salt marsh.*
8. *Protects wildlife habitats and wildlife corridors to prevent the fragmentation of existing habitats and to allow species, for example Brent Geese, to respond to the impacts of climate change by making provision for habitat adaptation e.g. coastal managed realignment and species migration."*

Policy CS13: Green Infrastructure

"Development will be permitted that:

1. *Maintains and manages the network of green infrastructure identified at the sub regional and local levels.*
2. *Incorporates, where appropriate, improvements to existing green infrastructure through the restoration, enhancement or creation of additional resources.*
3. *Does not undermine the functional integrity of the green infrastructure.*
4. *Creates, where appropriate, new green infrastructure (including access management measures) either through on site provision or financial contributions.*

Development proposals that adversely affect green infrastructure will not be permitted unless superior alternative provision can be provided or where it is part of a service provider's plans to provide improved local services in equally accessible locations.

Green infrastructure sites will be allocated in the Development Delivery (Allocations) Plan."

4 EXTENDED PHASE 1 HABITAT SURVEY

- 4.1 The results of the Phase 1 Habitat Survey are presented in map form with target notes (represented by numbered dots) in *Appendix B*. A brief non-technical description of the habitats and features of the site is given below. Numbers in brackets refer to target notes.
- 4.2 In general terms, the site comprises a large garden incorporating the site of a former quarry pit. Regenerated semi-natural vegetation including early-mature trees and native scrub dominates the central area of the site on the quarried slopes with more

open areas including managed amenity grass and an ornamental pond. The northern area of the site adjacent to Portsdown Hill Road comprises a disused driveway lined by species-poor hedgerow and introduced shrubs and scattered trees with a modern brick garage adjacent to the western boundary.

4.3 Scattered trees and scrub

4.3.1 The embankments of the former quarry pit are vegetated with regenerating trees and scrub with a sparse ground flora (1). The dominant species of tree are Sycamore *Acer pseudoplatanus* and Yew *Taxus baccata*, the majority of which are early mature specimens. Other less frequent species include Cypress *Cupressus* sp., ornamental Cherry *Prunus* sp. and Holly *Ilex* sp. The understorey was sparse and dominated by scattered Elder *Sambuca nigra* with frequent Holly *Ilex aquifolium*, Common Box *Buxus sempervirens* and Bramble *Rubus fruticosus* agg. as well as a number of other introduced species. The ground flora was fairly sparse at the time of survey and was dominated by Ivy *Hedera helix*, mosses and Common Nettle *Urtica dioica*. Other frequent species included Lords-and-Ladies *Arum maculatum*, Dog's Mercury *Mercurialis perennis*, Garlic Mustard *Alliaria petiolata*, Cow Parsley *Anthriscus sylvestris*, Common Ragwort *Jacobaea vulgaris*, Cowslip *Primula veris*, Snowdrop *Galanthus nivalis*, Daffodil *Narcissus* sp. and Crocus *Crocus vernus*.

4.3.2 The south-western corner of the site (8) supports mature trees and a scrub understorey including Copper Beech *Fagus sylvatica*, Yew, Holly, Laurel, Evergreen Oak *Quercus ilex* and other introduced species. Similarly, the northern margin of the site bordering Portsdown Hill Road is dominated by Yew and non-native/ ornamental tree and shrub species (7). The southernmost boundary of the site comprises a line of tall Cypress trees with Laurel bushes beneath (4).

4.4 Dense scrub

4.4.1 The northern slope of the former quarry pit (6) supports dense naturally regenerated scrub, dominated by Elder and Bramble with frequent Butterfly Bush *Buddleia davidii*, Blackthorn *Prunus spinosa* and young Sycamore. It is understood that this vegetation has been cut every couple of years (Nick Laurence pers. comm.) which has controlled the height of vegetation on this slope.

4.5 Amenity grassland

4.5.1 Areas of regularly managed amenity grassland are located in the centre (2), the south-west (3) and south-east (8) of the site, and alongside the driveway in the north of the site (7). The dominant grassland species were Cocksfoot *Dactylis glomerata* and Fescue species *Festuca* sp. Frequent herbaceous species present within areas of amenity grassland throughout the site included Daisy *Belis perennis*, Cow Parsley,

Cleavers *Galium aparine*, Creeping Buttercup *Ranunculus repens*, Ragwort and Creeping Thistle *Cirsium arvense*.

4.6 Species-poor hedgerows

- 4.6.1 The western section of the driveway in the north of the site (7) is lined by regularly trimmed Laurel hedging and a hedge comprising a mix of Privet and introduced shrubs extends along the southern boundary of this area from the garage. The south-eastern site boundary (8) bordering arable fields and the westernmost boundary of the site (3) are bordered by species-poor Privet *Ligustrum vulgare* dominated hedges.

4.7 Standing water

- 4.7.1 At the base of the northern slope of the quarry pit is a crescent-shaped ornamental pond (5). The pond measure approximately 10m long and 3m wide, is concrete lined and the tops of the banks comprise rocks and earth. The pond is well established and supports introduced species of aquatic and marginal plants including Irises *Iris* sp. and Water Lilies *Nymphaea* sp. An artificial pump-fed waterfall runs into the pond from the north, although this was not operational at the time of survey.

4.8 Other habitats

- 4.8.1 The main building within the site is a single-car garage situated adjacent to the western boundary in the northern area of the site (7). In addition, in the south-west of the site there is a base to a former green house (3) and a small wooden gazebo is located on the northern quarry embankment (6) along the circular concrete path. More information on buildings within the site is given in *Section 5.1* below.

5 PROTECTED AND NOTABLE SPECIES

5.1 Bat Scoping Survey

Phase 1 building survey

- 5.1.1 Two buildings, including a garage and a small gazebo, are located within the site, both of which are listed in Table 1 below together with a description of any features of potential interest for roosting bats. The locations of the buildings are shown on the plan in *Appendix C*.

Table 1: Results of Phase 1 building survey

Building Ref.	Description	Findings	Bat Roost Potential
B1 (Garage)	Modern single-car garage with single skinned brick walls and a pitched clay tile roof with bitumen underlay. Hanging wall tiles above door on eastern gable end. No separate roof void present. Generally in a good state of repair, however potential opportunities for roosting bats include a small number of partially lifted roof tiles on the northern elevation and a gap under the eaves at the south-western corner of the roof which could provide access between roof tiles and bitumen underfelt. Hanging wall tiles were generally tightly fitting and any crevices were shallow when checked and often contained cobwebs. No evidence of bats was found internally or externally, although a few potential roosting opportunities for low numbers of crevice dwelling bats were identified.	No internal or external evidence of bats. Some limited opportunities for roosting bats identified.	'Low' bat roost potential
B2 (Gazebo)	A small wooden gazebo with open sides and roof comprising wooden shingles. No roof sarking or underlay. No evidence of bats identified and no suitable roosting features present.	No internal or external evidence of bats.	'Negligible' bat roost potential

Phase 1 tree survey

- 5.1.4 All trees within the site were assessed as having 'negligible' (BCT Category 3) potential to support roosting bats. Most trees present were early mature and larger specimens were in good condition with no potential roosting features visible. It is therefore considered that no further survey is required in relation to roosting bats in trees at the site.

Foraging and commuting habitat

- 5.1.5 The sheltered environment within the former quarry pit with trees and scrub provides a small area of good foraging habitat for any bats roosting in the nearby vicinity. Due to the limited extent of the site and the abundance of suitable habitat in the wider area, such as grazing pasture and woodland to the north, the site is highly unlikely to be of local importance for foraging bats. Measures to maintain the current opportunities for foraging and commuting bats provided by the site are however given in *Section 7* of this report.

5.2 Badger Survey

Setts

- 5.2.1 **Sett A:** A partially used subsidiary sett located within the western embankment of the former quarry pit. Four partially-used holes and two disused holes were recorded in total in a linear formation along the embankment. Overall the level of activity recorded in the vicinity of the sett was low. Evidence of possible recent use by Badgers included a Badger hair found in the southernmost entrance. Three of the entrances were fairly clear and it is likely that some movement of debris and spoil by Badgers had taken

place in the past 6 months. One hole located to the north under a footbridge is likely to be partially or well used, due to the recently dug spoil under the bridge and a clear entrance.

- 5.2.2 **Sett B:** A single hole outlying sett located just to the north of Sett A. The entrance was mostly clear with a small spoil heap which may have been recently disturbed. No definitive evidence of use by Badgers was found but it is possible that Badger have used the sett in the last 6 months.
- 5.2.3 **Sett C:** An outlying sett comprising one partially used entrance and one disused entrance located on the eastern embankment of the former quarry pit. No definitive evidence of recent use by Badger was identified during the survey however the northern entrance was fairly clear of debris and it is therefore conceivable that this sett could have been used within the past 6 months.
- 5.2.4 **Sett D:** An outlying sett comprising two partially used and two disused holes located on the eastern embankment of the former quarry pit to the north of Sett C. The northernmost entrance appeared to be the most well used, with a well cleared entrance, some recently dug spoil and dried moss just within the entrance which may have been used as bedding by Badgers. The southern hole was also well cleared of debris although no other evidence of recent use was recorded. The two middle holes were covered by debris including leaves, sticks and chalk rubble, and had cobwebs within the entrances, so were considered disused. A well-used mammal track ran between the entrances and to the south and north of the Sett.
- 5.2.5 **Sett E:** A single disused hole located just to the south of the circular path around the pit on the northern embankment. The hole appears to be of Badger origin but is long disused, being full of debris and covered by growing vegetation including Ivy.
- 5.2.6 **Sett F:** A single disused hole located on the northern embankment of the former quarry pit below the brick garage. Due to the shape of the hole and other setts nearby it is likely that this hole is of Badger origin. At the time of survey the entrance had become mostly blocked by debris including chalk rubble which has collapsed from the roof of the tunnel. It is likely that this hole has not been used by Badger for a considerable period of time.
- 5.2.7 In view of the number of Badger sett entrances recorded within the former quarry pit it is evident that this site was once well used by a group of Badgers and a main sett may once have existed here. The levels of Badger activity recorded within the site at the time of survey were however very low and regular disturbance caused by

increased recreational use of the pit as garden space is likely to have resulted in decreased use by Badgers. It is likely that the site is now used on only an occasional basis by a low number of Badgers. Possible Fox hair was also found in one of the partially-used entrances to Sett D, so it is conceivable that some signs of recent sett use such as debris clearance and recently dug spoil, could also be attributable to Fox. It is however possible that Badger and Fox could be occupying the same or adjacent setts.

Foraging and commuting habitat

- 5.2.8 During the survey, there was no definitive evidence of Badger foraging or territorial behaviour recorded within the site other than possible scratching on a dead tree branch near to Sett A. This also suggests that the site is not heavily used by Badgers.

5.3 Great Crested Newts

- 5.3.1 The pond within the site is considered to provide suitable breeding habitat for Great Crested Newt and habitat mosaic of scrub and trees provide areas of suitable terrestrial habitat. Notwithstanding this, a review of a 1:10,000 OS plan of the area suggests that the closest pond to the site is located at the Portsmouth Golf Club to the north-west, approximately 475m from the site boundary, which is well beyond the typical maximum migratory distance of Great Crested Newt during terrestrial phases (Cresswell and Whitworth, 2004). The two ponds at the golf course are in turn isolated from other potential amphibian breeding habitat in the wider area, and furthermore no records of Great Crested Newt were provide by HBIC for within 2km of the site. In view of these factors, it is considered highly unlikely that Great Crested Newts are present on the site.

5.4 Dormouse

- 5.4.1 No evidence of Dormouse was recorded during the survey. The scrub and scattered trees within the site provide a very small area of suboptimal habitat for Dormouse. Furthermore, although there are records for Dormouse pertaining to woodland located to the north of the site, the site itself is poorly connected to these areas and other suitable habitat in the wider area. It is therefore considered highly unlikely that Dormice are present at the site.

5.5 Birds

- 5.5.1 The trees, shrubs and building at the site offer nesting opportunities for a number of bird species. It is therefore likely that the site supports a low number of breeding birds typical of woodland edge and garden habitats. However, due to the limited extent of suitable habitat on-site and the abundance of similar habitat nearby and in the wider area, the site is highly unlikely to be of local importance for this group.

5.6 Reptiles

- 5.6.1 The mosaic of trees, scrub and grassland at the site provides limited areas of good quality habitat for reptiles, in particular the south-facing slope with dense scrub on the northern side of the former quarry pit, which was less shaded by trees. It is therefore conceivable that the site could support low populations of common and widespread reptile species such as Slow-worm and Grass Snake, but it is considered unlikely that the site supports a notable population of reptiles in a local context.

5.7 Invertebrates

- 5.7.1 The site itself supports only a small area of common and widely occurring habitat, and comprises a high proportion of non-native and naturalised species. There is very little in the way of exposed chalk habitats present (other than excavations associated with aforementioned Badgers). It is therefore considered highly unlikely that the site supports a notable assemblage of invertebrates in a local context.

5.8 Other species

- 5.8.1 No watercourses or substantial waterbodies are located within or adjacent to the site and it is therefore considered highly unlikely that Water Voles, Otter or White-clawed Crayfish are present.

6 NATURE CONSERVATION EVALUATION

- 6.1 The habitats within the site have been assessed with consideration given to the criteria summarised in *Appendix E* of this report (Ratcliffe 1977; IEEM 2006). A summary of the site habitat evaluation is given in Table 2. Numbers in brackets refer to target notes.

Table 2: Site Habitat Evaluation

Value	Habitats Present
International	None
National	None
Regional	None
County	None
District	Off-site - 'Fields off Havant Road' SINC
Local	Low - Native mature trees (1,8)
Site	Native dense and scattered scrub (1,6,8), Pond (5)
Negligible	All other habitats recorded

- 6.2 There are no habitats considered to be of International, National, Regional, County or District conservation importance in their own right within the site.

- 6.3 'Fields off Havant Road' SINC bordering the site to the south is considered to be of **district** importance for nature conservation.
- 6.4 The habitats of highest nature conservation interest within the site are the native mature trees, including Yew and Beech, which are considered to be of **low local** importance for nature conservation. Although these features are generally immature and there is an abundance of mature trees in the wider area, they appreciably enrich the nature conservation interest of the site and its immediate surrounds through providing opportunities for a range of wildlife and complementing habitats in the surrounding area.
- 6.5 The native dense and scattered scrub, and pond are considered to have value within the context of the **site** only. Although these features do not represent particularly high quality examples of their respective habitat types which are likely to be widespread in the surrounding area, in combination they provide opportunities for a diversity of wildlife within the site.
- 6.6 The remaining habitats recorded within the site, including the buildings, hardstanding, amenity grassland, non-native trees and shrubs and species-poor hedgerows have been assessed as having **negligible** importance for nature conservation in their own right.
- 6.7 Although no habitats within the site are considered to be more than low local value in their own right, the proposed development should give consideration to their contribution to the network of habitats that allow the movement of wildlife across the wider area and the potential presence of protected species. This is discussed below together with recommendations for impact avoidance of potential adverse effects of development and mitigation where appropriate.

7 RECOMMENDATIONS

- 7.1 This section outlines recommended measures for the avoidance of potential adverse effects of development on identified features of nature conservation interest within the site and surrounding area and opportunities by which development of the site can maintain and enhance its current value for wildlife.

7.2 Habitats

- 7.2.1 The habitats dominating the site, comprising scattered trees, scrub, amenity grassland, buildings, hardstanding and a man-made pond, are considered as a whole to be of limited nature conservation interest in their own right due to the common and widespread nature of the habitats and abundance of non-native species which are of

relatively low value to wildlife. The site does however provide opportunities for protected species such as bats, Badgers, reptiles and nesting birds and this is discussed in *Section 7.3* below.

7.2.2 Given the nature and scale of the development proposals, the arable farmland comprising the 'Fields off Havant Road' SINC, which is considered to be of **district** importance for nature conservation, is highly unlikely to be affected by development of the site. The SINC is designated for supporting wintering Dark-bellied Brent Geese, is not accessible to the public and a majority of its boundaries are already bordered by gardens of residential properties. The area of the SINC in the vicinity of the site forms only a very small proportion of the foraging habitat available to Dark-bellied Brent Geese in the wider. Furthermore, the proposed construction works are limited to the northern area of the site and the existing trees and scrub within the southern area would provide screening to the SINC during the construction phase. In view of this, no specific mitigation is considered necessary for protection of the long-term integrity of the off-site 'Fields off Havant Road' SINC.

7.2.3 Although the intrinsic nature conservation interest of the habitats within the site are considered to be low, where appropriate development proposals should seek to retain habitats and features considered to be of low local or site value including native trees and scrub, and the pond, or otherwise replace any habitat lost within alternative areas of the site.

7.2.4 In addition, development proposals should seek to enhance the site to provide new opportunities for wildlife in accordance with national and local planning policy and guidance (NPPF, 2012; ODPM, 2005) and the 2006 NERC Act. Measures by which this can be achieved are outlined in *Section 7.4*.

7.3 Protected Species

7.3.1 Recommendations relating to protected species identified as potentially occurring at the site are provided below.

Bats

7.3.2 The only feature assessed as having the potential to support roosting bats within the site was the Garage (B1), which is located in the north-west of the site. The Garage, which would require removal to facilitate the proposed development, has been identified as having 'low' potential to support roosting bats. It is therefore recommended that a single Phase 2 emergence/ re-entry bat survey is carried out prior to development works commencing in order to determine the presence/ probable absence of roosting bats. This work would involve the positioning of surveyors

equipped with hand-held bat detectors outside the building at dusk or dawn to record bats emerging or entering the building as they leave/ re-enter roost sites. This survey should be carried out between mid-May and August inclusive at the height of the bat breeding season.

7.3.3 All other built structures and all trees within the site were assessed as having 'negligible' potential to support roosting bats and no further surveys in relation to these features are therefore recommended.

7.3.4 The 2006 NERC Act, Natural England Standing Advice and the recently published National Planning Policy Framework (NPPF, 2012) requires that ecology is a material consideration when making planning decisions and that any decision should be based on up-to-date information about the environmental characteristics of site and the zone of influence of development proposals. Due to time constraints on the submission of a planning application, and in view of the very limited interest of the site for roosting bats, it has been agreed with the Hampshire Country Council Ecologist (Tristan Norton, pers. comm.) that in this exceptional case the results of the Phase 2 bat emergence survey work can be submitted in support of the planning application during the determination period.

7.3.5 The proposed development should seek to maintain the current levels of opportunity for bats provided by the site. This could include provision of new roosting opportunities such as bat boxes and the maintenance of foraging opportunities through landscape planting and avoidance of light spill into the retained scrub, hedgerow, grassland and wooded habitats in the southern and central areas of the site. This could be achieved through use of low UV, narrow spectrum and hooded, directional or low-level lighting as appropriate. The lighting strategy for the site should be reviewed at an appropriate stage by a suitably qualified ecologist.

Badgers

7.3.6 Six Badger setts were recorded within the site, four of which were considered to be in current use (Setts A-D). Setts A, B and C are located at least 40m from the footprints of the proposed dwellings and are therefore highly unlikely to be damaged or disturbed by construction works.

7.3.7 The current site proposals plan (Randell Design Group, dwg. no. P053/0.120) indicates that the northernmost entrance of Sett D (an active outlying sett) is located approximately 15m south-east from the proposed eastern dwelling. Potential therefore exists for Sett D to be damaged or Badgers occupying the sett to be unduly disturbed by the proposed development. The likelihood of this occurring should be

evaluated in light of information detailing the nature of ground disturbance works and any movement of vehicles in the vicinity of the sett. Where works involving ground disturbance or use of machinery within 30m of an active sett are unavoidable, it is recommended that an updated badger survey is carried out at the latest appropriate stage in advance of development to confirm that the status of the sett has not changed and inform requirements for mitigation.

- 7.3.8 In the event that the proposed development may result in physical interference/ the loss of any sett in current use, it will be necessary to apply for a Natural England licence to close the sett prior to development. The recommended method for sett closure involves the entrances being “soft stopped” initially to confirm current use, followed by the installation of one-way gates at the sett entrances. Closure of setts usually takes at least six weeks and licences are usually only granted for closure outside of the Badger breeding season (December to June inclusive). All procedures relating to the closure of a sett would need to be subject to a detailed method statement and monitored by the licensee and/or accredited agents.
- 7.3.9 In the event that physical interference of all setts within the site can be avoided, consideration should still be given to any works within 30m of a retained sett which could potentially cause disturbance to Badgers occupying the sett as defined by Natural England (2009b). Following appropriate further survey and review of detailed construction methodology, the proposals should be assessed for their likelihood to disturb the sett. In the case that a sett in current use could be disturbed it may be necessary to apply for a licence from Natural England. Licences are usually only granted for sett disturbance outside of the Badger breeding season (December to June inclusive).
- 7.3.10 Outlying and subsidiary setts are only temporarily occupied and by definition suitable alternatives should exist. It is therefore unlikely that the loss or disturbance of any sett identified from the site will result in any long-term impact on the local Badger population.
- 7.3.11 In addition, in order to limit the potential for disturbance to retained setts during the operational phase of the development, it is recommended that native scrub habitats are maintained/ established along the slopes of the quarry pit in the vicinity of the setts. The use of sensitive lighting is also recommended in order to maintain the site as suitable for use by nocturnal wildlife including Badgers and bats as described in *Section 7.3.5* above.

7.3.12 The site provides limited areas of good quality foraging habitat for Badgers, however very few signs of Badger foraging were recorded within the site during the survey. Furthermore, overall levels of activity recorded around the setts and the site as a whole were considered fairly low and there were a number of disused sett entrances. For these reasons it is considered unlikely that the site is of significant importance for foraging and commuting Badgers in the local area. It is understood that much of the existing landscaping and vegetation will be retained within a communal garden space (Nick Laurence pers. comm.) and suitable habitat will therefore be maintained throughout development of the site. It is however recommended that opportunities for foraging Badgers are maximised through inclusion of fruit and nut producing species in any additional planting.

7.3.13 As the development area may be utilised by Badgers, any steep sided holes left open overnight during the course of construction works should be equipped with a mammal ladder (a reinforced plywood board >60cm wide set at an angle of no greater than 30° to the base of the pit) to prevent entrapment.

Reptiles

7.3.14 The site is unlikely to support locally significant numbers of reptiles and construction works are restricted to three small plots on the northern embankment of the former quarry pit for the development of the three residential dwellings. No further survey with respect to reptiles at the site is therefore recommended. Notwithstanding this, any development works affecting the limited areas of potential reptile habitat located within the site should give due regard to the legislation protecting common and widespread reptile species i.e. protection against injury and killing. This could be achieved through the displacement of any reptiles present into areas of retained habitat within and adjacent to the site prior to construction works commencing through the following approach:

- Progressive removal of suitable low-lying vegetation, including long grass and scrub, using hand-held tools. The final stages of clearance to ground level should take place during suitable climatic conditions at a time of year when reptiles are active (generally April to September inclusive).
- Dismantling of any potential hibernacula or refugia by hand, including compost heaps and log piles.
- Where appropriate, ground level clearance work should be carried out under the supervision of a suitably qualified ecologist who would relocate any reptiles encountered to an area of suitable retained habitat within the site.
- Following the clearance of vegetation, the vegetation should be maintained at ground level to prevent recolonisation prior to works commencing.

Birds

- 7.3.15 The site is considered unlikely to support an important assemblage of breeding birds and no further survey for this group is recommended. Notwithstanding this, where the removal of trees, scrub or hedgerow habitat is required, or buildings are to be demolished, this work should ideally occur outside the bird breeding season (i.e. not between March and September inclusive), as wild birds, their nests and eggs are protected under the 1981 Wildlife and Countryside Act (as amended). In the event that vegetation clearance or building demolition is required outside this period, a search for nesting birds should be undertaken by a suitably qualified ecologist immediately prior to vegetation/ building removal. In the event that breeding birds are discovered, sufficient habitat will need to be retained to ensure birds are not disturbed until nesting activity has been completed and the nest vacated.

7.4 Ecological Enhancements

Where appropriate, development proposals should seek to maintain and provide new opportunities for wildlife in accordance with national and local planning policy and guidance (NPPF, 2012; ODPM, 2005) and the 2006 NERC Act. A selection additional measures to these outlined above is given below:

- Provision of bat roosting opportunities and bird boxes on new buildings and existing trees;
- Provision of log/ brash piles and compost bins within the site to provide habitat for invertebrates, amphibians and reptiles;
- Incorporation of nectar- and pollen-rich species and fruit- and nut- producing trees and shrubs within new landscaping planting;
- Use of native species typical of the local area where appropriate to do so. Where possible these should be sourced from stock of local provenance;
- Use of native hedging as boundary features;
- Sensitive use of lighting to avoid adverse effects on nocturnal wildlife (see 7.3.5);
- Enhancement of open water habitats currently represented by the concrete-lined pond; for example through provision of new native aquatic and marginal planting.

8 CONCLUSION

- 8.1 Current knowledge suggests that there are no areas of international, national, regional or district nature conservation importance within the site. The majority of the site, comprising scattered trees, mixed scrub, amenity grassland, buildings and hardstanding, is considered to have limited nature conservation interest due to the common and widespread nature of the habitats present and abundance of non-native species limiting value to wildlife. The pond and native mature trees and scrub are considered to provide some wildlife interest within the site and development proposals should seek to retain these features wherever possible.

- 8.2 No adverse effects on the 'Fields off Havant Road' SINC to the south of the site area expected in view of the scale to the proposed development, the restriction of development to the area to the north, the abundance of similar habitat available to Brent Geese in the wider area, and the inaccessibility of the SINC for recreation.
- 8.3 Development proposals should however have regard for those protected species identified as potentially occurring at the site (bats, badgers, reptiles and breeding birds) incorporating the measures recommended in *Section 7* of this report, in order to ensure compliance with UK nature legislation and where necessary identify measures to avoid or mitigate potential adverse effects of development on these species.
- 8.4 Subject to the implementation of the recommended measures for habitat protection, retention, creation and enhancement, no significant reduction in the ecological interest of the site or its surrounds is likely to arise as a result of development of the site. It is therefore concluded that, beyond the normal requirements to avoid impacts on protected species, there appear to be no overriding nature conservation constraints that would preclude development of the site.

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HDA Document Control and Quality Assurance Record

Project Title: Portsdown Hill Road Ecology

Project Reference: 702.3

Document Title: Ecological Appraisal

Commissioning Party: James Laurence Group

Issue	Description	Date of Issue	Signed
1	Ecological Appraisal	March 2014	AM
2			
3			

	Personnel	Position
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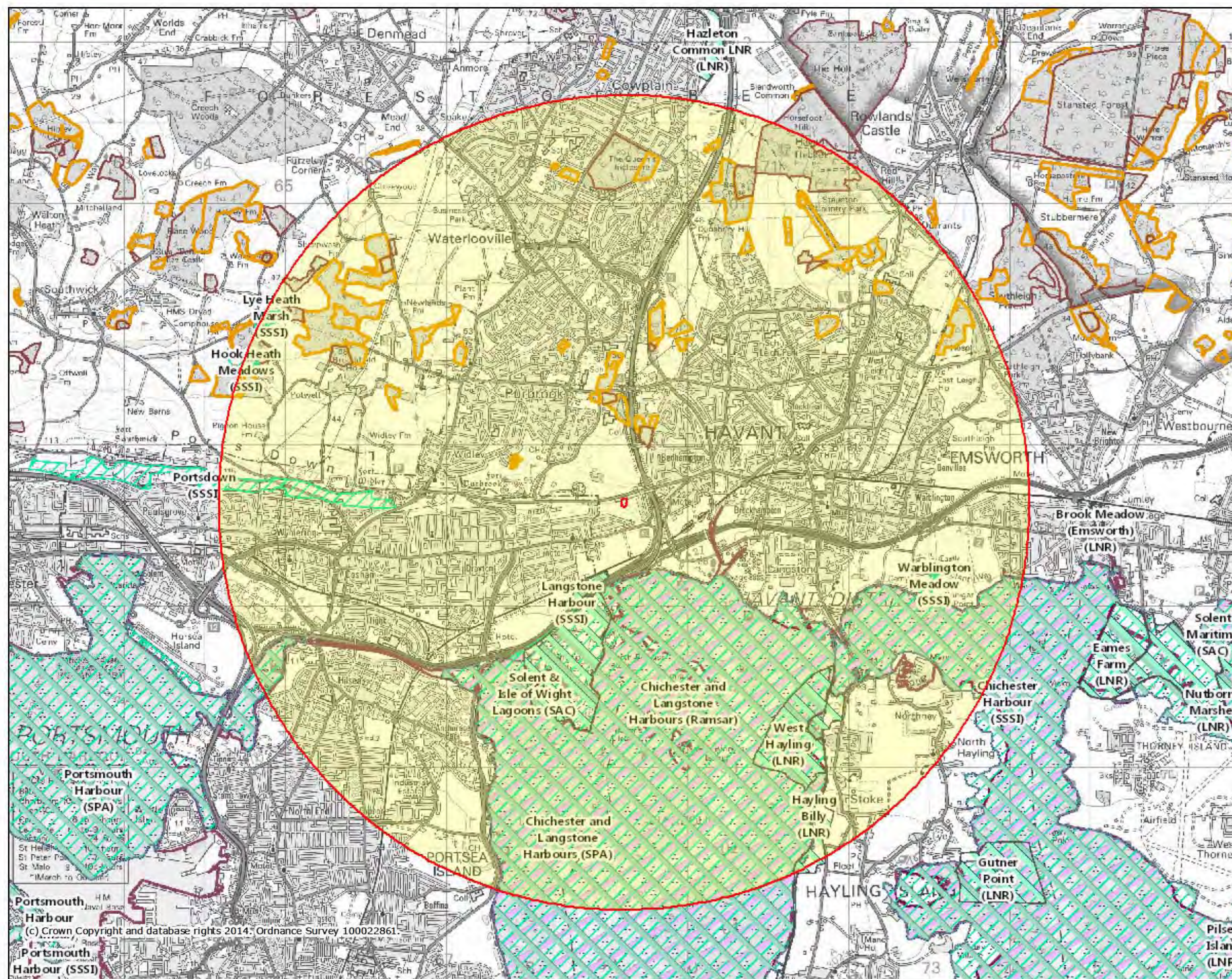
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APPENDIX A
Desk Study Results



Legend

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

Projection = OSGB36

xmin = 461200

ymin = 100700

xmax = 477300

ymax = 112100

Map produced by MAGIC on 25 February, 2014.

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Chichester and Langstone Harbours SPA

Country	England
Unitary Authority	City of Portsmouth, West Sussex, Hampshire
SPA status	Classified 28/10/1987
Latitude	50 48 23 N
Longitude	00 55 12 W
SPA EU code	UK9011011
Area (ha)	5810.03
	Chichester Harbour
Component SSSI/ASSIs	Langstone Harbour

Chichester and Langstone Harbours are located on the south coast of England in Hampshire and West Sussex. They are large, sheltered estuarine basins comprising extensive sand- and mud-flats exposed at low tide. The two harbours are joined by a stretch of water that separates Hayling Island from the mainland. Tidal channels drain the basin and penetrate far inland. The mud-flats are rich in invertebrates and also support extensive beds of algae, especially *Enteromorpha* species, and eelgrasses *Zostera* spp. The basin contains a wide range of coastal habitats supporting important plant and animal communities. The site is of particular significance for waterbirds, especially in migration periods and in winter. It also supports important colonies of breeding terns.

Qualifying species

For individual species accounts visit the [Species Accounts section](#)

This site qualifies under **Article 4.1** of the Directive (79/409/EEC) by supporting populations of European importance of the following species listed on Annex I of the Directive:

During the breeding season;

Little Tern *Sterna albifrons*, 100 pairs representing up to 4.2% of the breeding population in Great Britain (5 year mean, 1992-1996)

Sandwich Tern *Sterna sandvicensis*, 158 pairs representing up to 1.1% of the breeding population in Great Britain (1998)

On passage;

Little Egret *Egretta garzetta*, 137 individuals representing up to 17.1% of the population in Great Britain (Count as at 1998)

Over winter;

Bar-tailed Godwit *Limosa lapponica*, 1,692 individuals representing up to 3.2% of the wintering population in Great Britain (5 year peak mean 1991/2 - 1995/6)

Little Egret *Egretta garzetta*, 100 individuals representing up to 20.0% of the wintering population in Great Britain (Count as at 1998)

This site also qualifies under **Article 4.2** of the Directive (79/409/EEC) by supporting populations of European importance of the following migratory species:

On passage;

Ringed Plover *Charadrius hiaticula*, 2,471 individuals representing up to 4.9% of the Europe/Northern Africa - wintering population (5 year peak mean 1991/2 - 1995/6)

Over winter;

Black-tailed Godwit *Limosa limosa islandica*, 1,003 individuals representing up to 1.4% of the wintering Iceland - breeding population (5 year peak mean 1991/2 - 1995/6)

Dark-bellied Brent Goose *Branta bernicla bernicla*, 17,119 individuals representing up to 5.7% of the wintering Western Siberia/Western Europe population (5 year peak mean 1991/2 - 1995/6)

Dunlin *Calidris alpina alpina*, 44,294 individuals representing up to 3.2% of the wintering Northern Siberia/Europe/Western Africa population (5 year peak mean 1991/2 - 1995/6)

Grey Plover *Pluvialis squatarola*, 3,825 individuals representing up to 2.5% of the wintering Eastern Atlantic - wintering population (5 year peak mean 1991/2 - 1995/6)

Redshank *Tringa totanus*, 1,788 individuals representing up to 1.2% of the wintering Eastern Atlantic - wintering population (5 year peak mean 1991/2 - 1995/6)

Ringed Plover *Charadrius hiaticula*, 846 individuals representing up to 1.7% of the wintering Europe/Northern Africa - wintering population (5 year peak mean 1991/2 - 1995/6)

Assemblage qualification: A wetland of international importance.

The area qualifies under **Article 4.2** of the Directive (79/409/EEC) by regularly supporting at least 20,000 waterfowl

Over winter, the area regularly supports 93,142 individual waterfowl (5 year peak mean 1991/2 - 1995/6) including: Wigeon *Anas penelope*, Bar-tailed Godwit *Limosa lapponica*, Dark-bellied Brent Goose *Branta bernicla bernicla*, Ringed Plover *Charadrius hiaticula*, Grey Plover *Pluvialis squatarola*, Dunlin *Calidris alpina alpina*, Black-tailed Godwit *Limosa limosa islandica*, Redshank *Tringa totanus*, Little Grebe *Tachybaptus ruficollis*, Little Egret *Egretta garzetta*, Shelduck *Tadorna tadorna*, Curlew *Numenius arquata*, Teal *Anas crecca*, Pintail *Anas acuta*, Shoveler *Anas clypeata*, Red-breasted Merganser *Mergus serrator*, Oystercatcher *Haematopus ostralegus*, Lapwing *Vanellus vanellus*, Knot *Calidris canutus*, Sanderling *Calidris alba*, Cormorant *Phalacrocorax carbo*, Whimbrel *Numenius phaeopus*.

Solent Maritime SAC



Location of Solent Maritime SAC/SCI/cSAC

Country	England
Unitary Authority	City of Portsmouth; City of Southampton; Hampshire; Isle of Wight; West Sussex
Centroid*	SU756003
Latitude	50 47 47 N
Longitude	00 55 40 W
SAC EU code	UK0030059
Status	Designated Special Area of Conservation (SAC)
Area (ha)	11325.09

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

General site character

Marine areas. Sea inlets (14%)
Tidal rivers. Estuaries. Mud flats. Sand flats. Lagoons (including saltwork basins) (59%)
Salt marshes. Salt pastures. Salt steppes (23%)
Coastal sand dunes. Sand beaches. Machair (0.5%)
Shingle. Sea cliffs. Islets (3%)
Broad-leaved deciduous woodland (0.5%)

[Boundary map](#) and associated biodiversity information on the NBN Gateway.

[Natura 2000 data form](#) for this site as submitted to Europe (PDF format, size 30kb).

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

Site details

Note:

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

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

1130 Estuaries

The Solent encompasses a major estuarine system on the south coast of England with four coastal plain **estuaries** (Yar, Medina, King's Quay Shore, Hamble) and four bar-built **estuaries** (Newtown Harbour, Beaulieu, Langstone Harbour, Chichester Harbour). The site is the only one in the series to contain more than one physiographic sub-type of estuary and is the only cluster site. The Solent and its inlets are unique in Britain and Europe for their hydrographic regime of four tides each day, and for the complexity of the marine and estuarine habitats present within the area. Sediment habitats within the estuaries include extensive estuarine flats, often with intertidal areas supporting eelgrass *Zostera* spp. and green algae, sand and shingle spits, and natural shoreline transitions. The mudflats range from low and variable salinity in the upper reaches of the estuaries to very sheltered almost fully marine muds in Chichester and Langstone Harbours. Unusual features include the presence of very rare sponges in the Yar estuary and a sandy 'reef' of the polychaete *Sabellaria spinulosa* on the steep eastern side of the entrance to Chichester Harbour.

1320 *Spartina* swards (*Spartinion maritimae*)

Solent Maritime is the only site for smooth cord-grass *Spartina alterniflora* in the UK and is one of only two sites where significant amounts of small cord-grass *S. maritima* are found. It is also one of the few remaining sites for Townsend's cord-grass *S. x townsendii* and holds extensive areas of common cord-grass *Spartina anglica*, all four taxa thus occurring here in close proximity. It has additional historical and scientific interest as the site where *S. alterniflora* was first recorded in the UK (1829) and where *S. x townsendii* and, later, *S. anglica* first occurred.

1330 Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)

The Solent contains the second-largest aggregation of **Atlantic salt meadows** in south and south-west England. Solent Maritime is a composite site composed of a large number of separate areas of saltmarsh. In contrast to the Severn estuary, the salt meadows at this site are notable as being representative of the ungrazed type and support a different range of communities dominated by sea-purslane *Atriplex portulacoides*, common sea-lavender *Limonium vulgare* and thrift *Armeria maritima*. As a whole the site is less truncated by man-made features than other parts of the south coast and shows rare and unusual transitions to freshwater reedswamp and alluvial woodland as well as coastal grassland. Typical **Atlantic salt meadow** is still widespread in this site, despite a long history of colonisation by cord-grass *Spartina* spp.

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

1110 Sandbanks which are slightly covered by sea water all the time

1140 Mudflats and sandflats not covered by seawater at low tide

1150 Coastal lagoons * Priority feature

1210 Annual vegetation of drift lines

1220 Perennial vegetation of stony banks

1310 *Salicornia* and other annuals colonising mud and sand

2120 Shifting dunes along the shoreline with *Ammophila arenaria* ('white dunes')

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

Not applicable.

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

1016 Desmoulin's whorl snail *Vertigo moulinsiana*

Solent and Isle of Wight Lagoons SAC



Country	England
Unitary Authority	City of Portsmouth; Hampshire; Isle of Wight
Centroid*	SZ608977
Latitude	50.775
Longitude	-1.136944444
SAC EU code	UK0017073
Status	Designated Special Area of Conservation (SAC)
Area (ha)	36.24

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

General site character

Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins) (91.7%)
Salt marshes, Salt pastures, Salt steppes (8.3%)

[Boundary map](#) and associated biodiversity information on the NBN Gateway.

[Natura 2000 data form](#) for this site as submitted to Europe (PDF format, size 30kb).

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

Note:

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

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

1150 Coastal lagoons * Priority feature

The Solent on the south coast of England encompasses a series of **Coastal lagoons**, including percolation, isolated and sluiced lagoons. The site includes a number of lagoons in the marshes in the Keyhaven – Pennington area, at Farlington Marshes in Chichester Harbour, behind the sea-wall at Bembridge Harbour and at Gilkicker, near Gosport. The lagoons show a range of salinities and substrates, ranging from soft mud to muddy sand with a high proportion of shingle, which support a diverse fauna including large populations of three notable species: the nationally rare foxtail stonewort *Lamprothamnium papulosum*, the nationally scarce lagoon sand shrimp *Gammarus insensibilis*, and the nationally scarce starlet sea anemone *Nematostella vectensis*. The lagoons in Keyhaven – Pennington Marshes are part of a network of ditches and ponds within the saltmarsh behind a sea-wall. Farlington Marshes is an isolated lagoon in marsh pasture that, although separated from the sea by a sea-wall, receives sea water during spring tides. The lagoon holds a well-developed low-medium salinity insect-dominated fauna. Gilkicker Lagoon is a sluiced lagoon with marked seasonal salinity fluctuation and supports a high species diversity. The lagoons at Bembridge Harbour have formed in a depression behind the sea-wall and sea water enters by percolation. Species diversity in these lagoons is high and the fauna includes very high densities of *N. vectensis*.

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

Not applicable.

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

Not applicable.

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

Not applicable.

Portsmouth Harbour SPA

Country	England
Unitary Authority	City of Portsmouth, Hampshire
SPA status	Classified 28/02/1995
Latitude	50 49 41 N
Longitude	01 07 32 W
SPA EU code	UK9011051
Area (ha)	1248.77
Component SSSI/ASSIs	Portsmouth Harbour

Portsmouth Harbour is located on the central south coast of England. It is a large industrialised estuary and includes one of the four largest expanses of mud-flats and tidal creeks on the south coast of Britain. The mud-flats support large beds of Narrow-leaved Eelgrass *Zostera angustifolia* and Dwarf Eelgrass *Z. noltii*, extensive green algae beds, mainly *Enteromorpha* species, and Sea Lettuce *Ulva lactuca*. Portsmouth Harbour has only a narrow connection to the sea via the Solent, and receives comparatively little fresh water, thus giving it an unusual hydrology. The site supports important numbers of wintering Dark-bellied Brent Goose *Branta b. bernicla*, which feed also in surrounding agricultural areas away from the SPA.

Qualifying species

For individual species accounts visit the [Species Accounts section](#)

This site qualifies under **Article 4.2** of the Directive (79/409/EEC) by supporting populations of European importance of the following migratory species:

Over winter;

Dark-bellied Brent Goose *Branta bernicla bernicla*, 2,847 individuals representing at least 0.9% of the wintering Western Siberia/Western Europe population (5 year peak mean 1991/2 - 1995/6)

File ref:

County: Hampshire

Site Name: Langstone Harbour SSSI

Local Planning Authority: Hampshire County Council, Havant Borough Council, Portsmouth City Council

National Grid Reference: SU 700030

Ordnance Survey Sheet 1:50,000: 197 **1:25,000:** SU 60, 70; SZ 69, 79

Area: 2,069.4 (ha) 5.113.4 (ac)

Date Notified (Under 1949 Act): 1958 **Date of Last Revision:** 1979

Date Notified (Under 1981 Act): 1985 **Date of Last Revision:** Ø

Other Information:

Farlington Marshes (118.9 ha) is a Local Nature Reserve owned by Portsmouth City Council and managed by the Hampshire and Isle of Wight Naturalists' Trust under a long lease; 550 ha including a series of saltmarsh islands and extensive mud flats are owned by the Royal Society for the Protection of Birds.

Reasons for Notification:

Langstone Harbour is a tidal basin which at high water resembles an almost land-locked lake. At low water extensive mud flats are exposed, drained by three main channels which unite to make a common and narrow exit to the sea. The harbour includes one of the largest areas of mixed saltmarsh on the south coast, and extensive cord-grass *Spartina anglica* marsh in an advanced state of degeneration. The Site of Special Scientific Interest including Farlington Marshes, a peninsula of grassland and marsh on reclaimed tidal silt protected by a sea wall; and a similar but much smaller area at Southmoor in the north-east of the harbour. The harbour is of international importance as a rich intertidal system supporting high densities of intertidal invertebrates and large populations of migrant and overwintering waders and wildfowl, dependent upon them and upon the extensive beds of eelgrass *Zostera* species. The *Zostera angustifolia* and *Z. noltii* beds are among the largest in Britain. The harbour is among the twenty most important intertidal areas in Britain as a summer and autumn assembly ground for waders during the moult (when they require abundant high protein food) and as a post-moult wintering ground. Dunlin *Calidris alpina* often exceed 30,000 individuals, or 6% of the British winter population, or 3% of the European and North African wintering population. Grey plover *Pluvialis squatarola* and black-tailed godwit *Limosa limosa* achieve numbers which represent 1Ø2% of the European and North African migration flyway population; and redshank *Tringa totanus* and ringed plover *Charadrius hiaticula* do so periodically. At times as many as 20% of the black-tailed godwit, 8% of the ringed plover and 8-10% of the grey plover wintering in Britain are present in the harbour. The total numbers of waders present sometimes exceeds 40,000. Langstone Harbour and the adjoining and connected Portsmouth and Chichester Harbours form a single, coherent ecosystem which is among the ten most important intertidal areas for waders in Britain. In the 1970s and 1980s Langstone Harbour alone has consistently supported in excess of 5,000 wintering dark-bellied geese *Branta bernicla*, or 5-10% of the world population depending on fluctuating population levels. It has supported up to 2.5% of the European winter population of shelduck *Tadorna tadorna* and regularly supports substantial numbers of other ducks in autumn and winter.

Farlington Marshes intrudes into the north-west sector of the harbour. Its vegetation is strongly influenced by drainage water from the chalk and by

brackish water infiltration. The marshes embrace a variety of habitats Ð brackish marsh, fresh marsh, a large lagoon with associated reed *Phragmites* beds, *Agrostis stolonifera* grassland and scrub. It is a vital high water wader roost for the Harbour and a major feeding ground for Brent geese after the *Zostera* beds in the Harbour have been consumed. Few comparable sites have survived agricultural improvement on the south and east coasts of England, where the habitat was formerly common: the grassland flora is especially rich for reclaimed silt, and includes over 50 species of grasses. Southmoor shares these characteristics but is much smaller.

Langstone Harbour has been the forum for important ecological research on estuarine eutrophication and the relationship with algal blanketing of the muds, changes in invertebrate communities and changes in the composition of vertebrate predator communities.

File ref:

County: Hampshire

Site Name: Lye Heath Marsh SSSI

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

Local Planning Authority: Hampshire County Council, Winchester City Council

National Grid Reference: SU 648086

Ordnance Survey Sheet 1:50,000: 196

1:10,000: SU 60 NE, NW

Area: 4.4 (ha) 10.9 (ac)

Date Notified (Under 1949 Act): ₤

Date of Last Revision: ₤

Date Notified (Under 1981 Act): 25 May 1989

Date of Last Revision: ₤

Confirmed: 20 February 1990

Other Information:

Reasons for Notification:

Lye Heath Marsh is situated along a spring-line at the junction of the Bagshot Sands and London Clay. Within a relatively small area it supports an intimate mixture of basic flushes, unimproved grassland, alder woodland and dense hedgerows, which combine to form a now rare association of individually restricted habitats.

The flushes areas have developed a short-sedge fen community with abundant star sedge *Carex echinata*, common sedge *C. nigra* and carnation sedge *C. panicea*. There are no clear dominants and the rich flora includes a number of scarce species including marsh helleborine *Epipactis palustris*, flea sedge *C. pulicaris* and common cottongrass *Eriophorum angustifolium*. Elsewhere, other waterlogged soils less affected by water movement support marshy grassland dominated by fete-grass *Glyceria fluitans*, Yorkshire fog *Holcus lanatus*, marsh-marigold *Caltha palustris*, rushes *Juncus* and yellow flag *Iris pseudacorus*. This community is also species-rich and includes bog pimpernel *Anagallis tenella*, marsh lousewort *Pedicularis palustris*, bristle club-rush *Isolepis setacea* and marsh valerian *Valeriana dioica*.

Most of the site is comprised of species-rich unimproved neutral grassland, especially on the more freely-draining slopes. Grasses are abundant, such as meadow foxtail *Alopecurus pratensis*, sweet vernal-grass *Anthoxanthum odoratum*, crested dog's-tail *Cynosurus cristatus*, rough meadow-grass *Poa trivialis* and quaking grass *Briza media*, but the sward is herb-rich; sneezewort *Achillea ptarmica*, lesser knapweed *Centaurea nigra*, meadow vetchling *Lathyrus pratensis* and creeping buttercup *Ranunculus repens* are all locally dominant. Overall, the site supports an exceptional number of grassland species which require long continuity of habitat, including the rare corky-fruited water-dropwort *Oenanthe pimpinelloides*.

The juxtaposition of habitats and abundant nectar sources, coupled with light grazing and sheltered aspect, make this a very significant site for invertebrates, particularly hoverflies which include two notable species *Xylota tarda* and *Helophalus trivittatus*.

File ref:

County: Hampshire

Site Name: Portsdown SSSI

Local Planning Authority: Hampshire County Council, Portsmouth City Council, Fareham Borough Council

National Grid Reference: SU 618068–SU 666064

Ordnance Survey Sheet 1:50,000: 196 **1:25,000:** SU 60

Area: 80.67 (ha) 199.36 (ac)

Date Notified (Under 1949 Act): 1978 **Date of Last Revision:** –

Date Notified (Under 1981 Act): 1984 **Date of Last Revision:** –

Other Information:

Owned mainly by Fareham Borough Council and Portsmouth City Council and managed as open space. A small part is registered and confirmed as common land.

Reasons for Notification:

Portsdown is an isolated east-west chalk anticline with a long south-facing escarpment which remains un-reclaimed. On the lower south-facing slopes raised beaches mark former sea levels and it is postulated that former wave erosion has removed the Tertiary deposits and some of the chalk, leaving very steep slopes. Despite the absence of grazing and extensive disturbance, these slopes still support a rich chalk grassland flora and a rich and diverse insect fauna. Hawthorn *Crataegus monogyna* scrub is extensive and much of the grassland is dominated by upright brome *Bromus erectus*, a tall vigorous species which responds rapidly to lack of grazing. Areas of finer turf dominated by red rescue *Festuca rubra*, sheep's fescue *F. ovina* and a wide range of small herbs, remains widespread, however, whilst the site supports a number of species of limited distribution, including hairy rock-cress *Arabis hirsuta*, pale flax *Linum bienne*, meadow cranesbill *Geranium pratense*, horseshoe vetch *Hippocrepis comosa*, bastard toadflax *Thesium humifosum*, Early Gentian *Gentianella anglica*, Knapweed Broomrape *Orobanche elatior*, bee orchid *Ophrys apifera* and fly orchid *O. insectifera*.

The insect fauna has been studied in detail and includes a comprehensive range of chalk downland butterflies *Lepidoptera*, beetles *Coleoptera*, bees and allied insects *Hymenoptera*. Of interest is the occurrence in an atypical habitat of the bush cricket *Conocephalus discolor* and a substantial population of the largest of the British bush crickets *Tettigonia viridissima*.

County: Hampshire **Site Name:** Warblington Meadow SSSI

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

Local Planning Authority: Hampshire County Council, Havant Borough Council

National Grid Reference: SU 730052

Ordnance Survey Sheet 1:50,000: 197

1:10,000: SU 70 NW

Area: 4.26 (ha) 10.52 (ac)

Date Notified (Under 1949 Act): –

Date of Last Revision: –

Date Notified (Under 1981 Act): 16.12.1986

Date of Last Revision: –

Other Information:

Reasons for Notification:

Warblington Meadow Site of Special Scientific Interest is an unimproved grazing marsh adjoining Chichester Harbour and is of special interest for its gradation from freshwater, base-rich marsh to old reclaimed saltmarsh, and for its rich associated flora, with a total of 158 species of flowering plants having been recorded up to the time of notification.

The freshwater marsh consists of a sedge-rush community with *Carex acutiformis*, *C. otrubae*, *C. flacca*, *C. panicea*, *C. nigra*, *C. disticha* and *C. ovalis* growing together with *Juncus effusus*, *J. inflexus*, *J. acutiflorus* and *J. articulatus*. The grass component is also high with much Yorkshire fog *Holcus lanatus*, crested dog's tail *Cynosurus cristatus*, quaking grass *Briza media* and several fescues *Festuca* species including *F. rubra*, *F. pratensis* and *F. arundinacea*. The sward contains a number of locally distributed herbs, such as marsh arrow-grass *Triglochin palustris*, southern marsh orchid *Dactylorhiza praetermissa*, ragged robin *Lychnis flos-cuculi*, bog pimpernel *Anagallis tenella*, creeping jenny *Lysimachia nummularia* and corky-fruited water-dropwort *Oenanthe pimpinelloides*.

The freshwater marsh grades seawards into reclaimed saltmarsh, dominated by saltmarsh rush *Juncus gerardi*, and retaining several elements of the old saltmarsh flora. Species include sea arrow-grass *Triglochin maritima*, sea plantain *Plantago maritima*, sea milkwort *Glaux maritima*, both common and reflexed saltmarsh grasses *Puccinellia maritima* and *P. distans* and glasswort *Salicornia* species in the wetter areas and red fescue *Festuca rubra*, sea rush *Juncus maritimus*, buck's-horn plantain *Plantago coronopus*, hard grass *Parapholis strigosa*, strawberry clover *Trifolium fragiferum* and both distant and divided sedges *Carex distans* and *C. divisa* on the drier ground.

A small bed of reed *Phragmites australis* and a clear, unpolluted stream lined with oaks *Quercus robur*, alders *Alnus glutinosa* and willows *Salix* species add habitat diversity to the site.



Hampshire Biodiversity
Information Centre

HBIC Ref: 4668

**Non-statutory and Statutory
designated sites within 2km
of Land off Portsdown Hill Road:**

Legend

- 2km Search Area
- RVEI - B2177 Portsdown Hill Road
- SINC (Labelled Pink)
- Surrounding SINC
- Ancient Woodland Inventory**
 - Semi-Natural
 - Replanted
- Wader and Brent Geese Strategies (Labelled Blue)**
 - Surveyed for 2010 strat. without pos. res.
 - Brent in 2010 strategy
 - Waders in 2010 strategy
 - Waders and Brent in 2010 strategy
 - Positive records from 2002 strategy only

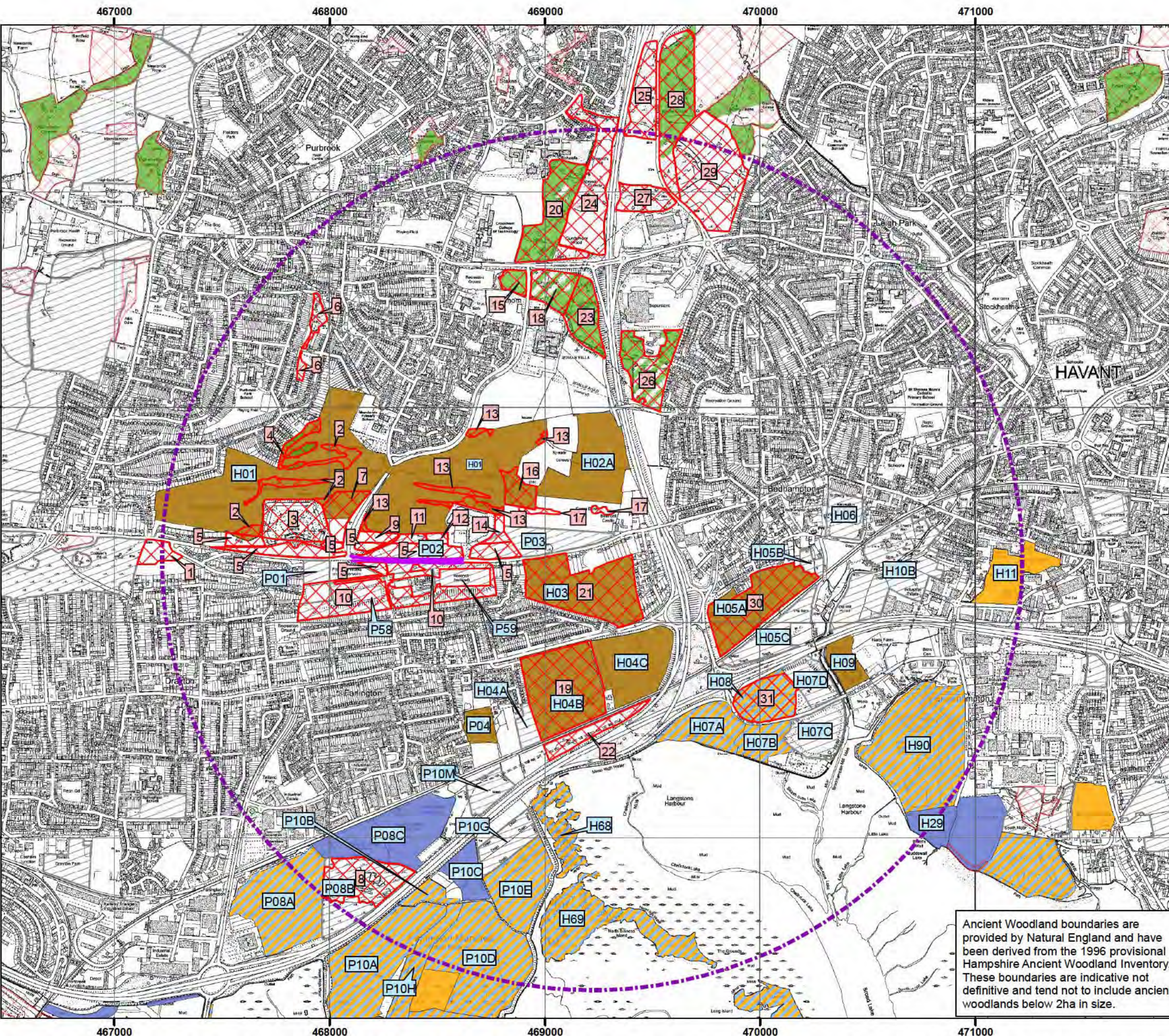
Created: 03/03/2014
Scale at A3: 1:17,000

0 125 250 500 750 1,000
Meters



Ancient Woodland boundaries are provided by Natural England and have been derived from the 1996 provisional Hampshire Ancient Woodland Inventory. These boundaries are indicative not definitive and tend not to include ancient woodlands below 2ha in size.

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Details of Sites of Importance for Nature Conservation (SINCs) within the search area:

Please see [Criteria for SINCs in Hampshire](#) for more information on Sites of Importance for Nature Conservation in Hampshire. If there are any criteria beginning with a 'P' in the SINC table below, these denote SINCs in Portsmouth, designated using different criteria (see accompanying document.)

Map Label	Status	SINC Ref	SINC Name	Central Grid Ref.	SINC Criteria	Species supported that meet Section 6 of SINC Selection Criteria	Area (ha)
1	SINC	PO0006	Meadow west of Farlington Avenue, Portsdown Hill	SU67200633	P1.3		1.55
2	SINC	HV0002	Portsmouth Golf Course West	SU67700665	2B/2D		2.62
3	SINC	HV0003	Fort Purbrook	SU67800650	2A/6A	Onobrychis viciifolia (Sainfoin) [NI] Spiranthes spiralis (Autumn Lady's-Tresses) [NI]	5.53
4	SINC	HV0004	Purbrook Park Wood	SU67800680	1A		1.51
5	SINC	PO0009	South of Fort Purbrook & adjacent Farlington Redoubt	SU67840633	P1.2/P1.3/P4.1	Cupido minimus (Small Blue) [CS] Spiranthes spiralis (Autumn Lady's-Tresses) [NI]	8.49
6	SINC	HV0005	Sandy Dell	SU67900740	1A		1.30
7	SINC	HV0006	Fort Purbrook Paddock 1 (Havant)	SU68050645	2B/6A	Cupido minimus (Small Blue) [CS] Spiranthes spiralis (Autumn Lady's-Tresses) [NI]	2.77
8	SINC	PO0010	East of Farlington Playing Fields	SU68100480	P1.3/P2.1/P4.1	Carex divisa (Divided Sedge) [NR] Ononis spinosa (Spiny Restharrow) [CS]	6.60
9	SINC	HV0007	Fort Purbrook Paddock 2 (Havant)	SU68200640	2B/6A	Spiranthes spiralis (Autumn Lady's-Tresses) [NI]	0.86
10	SINC	PO0019	East and West of Gillman Road	SU68300618	P1.2/P4.1	Petroselinum segetum (Corn Parsley) [CS] Poa compressa (Flattened Meadow-Grass) [CS]	11.92
11	SINC	HV0143	Fort Purbrook Paddock 3 (Havant)	SU68400640	2B		0.62
12	SINC	HV0142	Fort Purbrook Paddock 4 (Havant)	SU68500640	2B		0.50
13	SINC	HV0011	Portsmouth Golf Course East	SU68500662	2A/2B/2D		2.28
14	SINC	HV0014	Field East of Farlington Redoubt (North)	SU68790639	2D		0.79
15	SINC	HV0016	Gundymoor Wood (West)	SU68850760	1A		1.17

sharing information about Hampshire's wildlife

The Hampshire Biodiversity Information Centre Partnership includes local authorities, government agencies, wildlife charities and biological recording groups.

Hampshire Biodiversity Information Centre

Map Label	Status	SINC Ref	SINC Name	Central Grid Ref.	SINC Criteria	Species supported that meet Section 6 of SINC Selection Criteria	Area (ha)
16	SINC	HV0017	Portsmouth City Golf Course Copse	SU68900660	1B/2D/6A	Ophrys insectifera (Fly Orchid) [NR]	1.99
17	SINC	HV0019	Camp Down Grassland Remnants	SU69000651	2D		0.66
18	SINC	HV0020	Gundymoor Wood (Main)	SU69000750	1A		3.24
19	SINC	HV0024	Forty Acres Farm B	SU69080568	6B	Branta bernicla bernicla (Dark-Bellied Brent Goose) [UKBAP]	12.62
20	SINC	HV0025	Johnston's Coppice	SU69100790	1A		8.07
21	SINC	HV0027	Fields off Havant Road	SU69180613	6A/6B	Branta bernicla bernicla (Dark-Bellied Brent Goose) [UKBAP] Euphorbia exigua (Dwarf Spurge) [NI]	12.32
22	SINC	HV0028	Farlington Marshes Grassland (North-East)	SU69200550	2A/4A		2.69
23	SINC	HV0029	Littlepark Wood (West)	SU69200750	1A/1Cii		4.11
24	SINC	HV0030	Meadow Adjacent to Johnston's Copse	SU69200780	1A/2B/5B		9.28
25	SINC	HV0033	Neville's Park West Wood	SU69480843	1B		4.72
26	SINC	HV0034	Littlepark Wood (East)	SU69500710	1A/1Cii		5.87
27	SINC	HV0035	Hulbert Road Meadow	SU69500800	2D/5B		2.83
28	SINC	HV0037	Neville's Park East Wood	SU69600850	1A		9.07
29	SINC	HV0038	Neville's Park Areas 4-10	SU69800810	1B/1Cii/2A/2D	Bromus commutatus (Meadow Brome) [CS]	13.35
30	SINC	HV0043	Manor Farm A	SU70000610	6B	Branta bernicla bernicla (Dark-Bellied Brent Goose) [UKBAP]	9.23
31	SINC	HV0044	Broadmarsh Playing Field	SU70020563	6B	Branta bernicla bernicla (Dark-Bellied Brent Goose) [UKBAP]	5.01

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Details of Road Verges of Ecological Importance (RVEIs) within the search area:

Please see [RVEIs in Hampshire](#) for further details of Road Verges of Ecological Importance in Hampshire.

RVEI Reference	RVEI Name	Grid Reference	Description	Designation	Interest Type	Interest Features	Period of Interest	Management required	Length (m)
RV069	B2177 Portsdown Hill Road	SU68350629	Both sides of Portsdown Hill Road, between C423 Crookhorn Lane and Farlington Redoubt entrance	RVEI	Chalk Flora	Anacamptis pyramidalis(Pyramidal Orchid), Echium vulgare (Viper's-bugloss)	Jun-Aug	September cut only	525

Details of the Solent Wader and Brent Goose Strategy sites within your search area:

Site Code	Maximum Count of Waders in 2010 strategy	Wader Site Classification in 2010 strategy	Maximum Count of Brent Geese in 2010 strategy	Brent Goose Site Classification in 2010 strategy	Brent Geese found in 2002 strategy	Data Summary	Easting	Northing
H01	0	Uncertain	0		Yes	Positive records from 2002 strategy only	468142	106668
H02A	0	Uncertain	0		Yes	Positive records from 2002 strategy only	469219	106739
H03	0	Uncertain	0		Yes	Positive records from 2002 strategy only	469191	106157
H04B	0	Uncertain	0		Yes	Positive records from 2002 strategy only	469083	105698
H04C	0	Uncertain	0		Yes	Positive records from 2002 strategy only	469411	105812
H05A	0	Uncertain	0		Yes	Positive records from 2002 strategy only	469977	106088
H07A	15	Uncertain	455	Uncertain		Waders and Brent in 2010 strategy	469754	105515
H07B	9	Uncertain	350	Uncertain	Yes	Waders and Brent in 2010 strategy	470018	105451
H08	15	Uncertain	69	Important	Yes	Waders and Brent in 2010 strategy	470034	105647
H09	0	Uncertain	0		Yes	Positive records from 2002 strategy only	470398	105813
H11	2	Uncertain	0		Yes	Waders in 2010 strategy	471172	106225
H29	0	Uncertain	27	Uncertain		Brent in 2010 strategy	470806	105064
H68	233	Important	246	Important		Waders and Brent in 2010 strategy	469073	105052
H69	750	Important	1101	Important		Waders and Brent in 2010 strategy	469268	104593
H90	52	Important	200	Important		Waders and Brent in 2010 strategy	470754	105424
P04	0	Uncertain	0		Yes	Positive records from 2002 strategy only	468698	105520
P08A	45	Important	1700	Important	Yes	Waders and Brent in 2010 strategy	467793	104702
P08C	0	Uncertain	800	Important	Yes	Brent in 2010 strategy	468294	105021
P10A	1	Uncertain	350	Important		Waders and Brent in 2010 strategy	468207	104407
P10B	2	Uncertain	1600	Important		Waders and Brent in 2010 strategy	468460	104736
P10C	0	Uncertain	700	Important		Brent in 2010 strategy	468637	104836

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Site Code	Maximum Count of Waders in 2010 strategy	Wader Site Classification in 2010 strategy	Maximum Count of Brent Geese in 2010 strategy	Brent Goose Site Classification in 2010 strategy	Brent Geese found in 2002 strategy	Data Summary	Easting	Northing
P10D	416	Important	2700	Important		Waders and Brent in 2010 strategy	468707	104427
P10E	17	Uncertain	2000	Important		Waders and Brent in 2010 strategy	468887	104784
P10H	1731	Important	200	Important		Waders and Brent in 2010 strategy	468277	104163

Notes:

- This information is based on the 'Wader and Brent Goose Strategy 2010' but refers to information held separately in the 'Brent Goose Strategy 2002' where the more recent data is deficient. Both strategies are published by the Hampshire and Isle of Wight Wildlife Trust.
- The 'site code' field relates to the unique reference given to each polygon within both strategies. This 'site code' field can be found on the map accompanying this document.
- In the above table, if the classification is blank, the Maximum count field should also be blank (rather than '0').
- During the 2010 survey work, a method of scoring the confidence for the inclusion of sites was employed (for methodology please refer to the 2010 strategy report). The classification fields in the table above refer to this level of confidence, explained more fully in the confidence table below;

Classification Explanation (Level of Confidence)	
Important	Sites which are classed as important for Waders and/or Brent Geese
Uncertain	Sites that fell below the minimum confidence threshold, meaning that sites need further survey work to inform their assessment
No recorded use	Surveyors recorded when birds were not seen at a site. Where regular negative counts were recorded, and the confidence threshold was met, sites were classified as "no recorded use"
Blank	Confidence scoring was not carried out

Continued...

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- Where up-to-date data does not exist in the 2010 update for sites identified as "important" in the 2002 Strategy, the 2002 Strategy remains the best available data source. It is recommended that those sites identified as important in 2002 but lacking updated data be considered as "uncertain" and warranting further investigation.
- **If you would like the full dataset for the 2010 strategy, which includes more detailed GIS layers, this can be supplied by CD. Please contact HBIC for further information.**

Protected and Notable Species Records

Search Area: **Within 2km of Land off Portsdown Hill Road, SU 6922 0629**

Date: **03/03/2014**

HBIC Ref: **4668**

See this [Legislation Explanatory Document](#) for a document explaining notable species statuses and legislation.

HBIC has its own extensive database of habitat and higher plant data for the County. In addition, HBIC hold copies of datasets belonging to partner organisations. Through data exchange agreements with these organisations HBIC is provided with regular database updates and can supply species information on their behalf. HBIC currently holds copies of the following datasets:

- Botanical Society of the British Isles' (BSBI) vascular plant database for Hampshire
- Butterfly Conservation's butterfly and moth database for Hampshire
- Hampshire Ornithological Society (HOS) bird records
- Hampshire Bat Group (HBG) Records of bat roost visits and sightings
- Data administered by the Hampshire Wildlife Trust (HWT) on behalf of the species recording groups below:
 - o Hampshire Amphibian and Reptile Group (HARG)
 - o Hampshire Mammal Group (HMG) (excluding records for bats and badgers)
- UK Bees, Wasps and Ants Recording Society (BWARS) the full dataset as of January 2012

It is important that these species recording groups (where relevant to the data provided) are acknowledged in any document produced by the data requester where data is incorporated into the document, as a matter of course.

The following are protected and notable species records from the above datasets within the search area recorded in the last 15 years. For plants this has been extended to 20 years:

Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Amphibians & Reptiles</i>								
<i>Anguis fragilis</i>	Slow-worm	NERC_s41 WCA_s5s91(t)	SU68160462	A27	2011	2011	1	2
			SU69140553	Farlington Marshes	2009	2009	1	4
			SU69560558	Hamble-le-rice	2008	2008	4	1
			SU69720566	Hamble-le-rice	2008	2008	2	4

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU69910573	Hamble-le-rice	2008	2008	4	2
			SU69910575	Hamble-le-rice	2008	2008	4	4
			SU69990581	Hamble-le-rice	2008	2008	1	1
			SU70000579	Hamble-le-rice	2008	2008	5	3
			SU70010574	Hamble-le-rice	2008	2008	1	1
			SU70010577	Hamble-le-rice	2008	2008	5	5
			SU70040583	Hamble-le-rice	2008	2008	1	1
			SU70090582	Hamble-le-rice	2008	2008	4	1
			SU70100581	Hamble-le-rice	2008	2008	1	1
			SU70180588	Hamble-le-rice	2008	2008	3	2
			SU70250587	Hamble-le-rice	2008	2008	1	1
			SU70330590	Hamble-le-rice	2008	2008	1	1
			SU70380593	Hamble-le-rice	2008	2008	4	2
			SU70440597	Hamble-le-rice	2008	2008	4	2
			SU70640599	Hamble-le-rice	2008	2008	4	2
			SU70660599	Hamble-le-rice	2008	2008	1	1
			SU70760599	Hamble-le-rice	2008	2008	2	1
			SU70760600	Hamble-le-rice	2008	2008	1	1
			SU70850599	Hamble-le-rice	2008	2008	2	2
<i>Bufo bufo</i>	Common Toad	NERC_s41	SU6804	Farlington Marsh	2001	2001	1	1
			SU686051	Farlington Marshes Hwt Reserve: Compartment 11	1999	1999	1	0
			SU687073	Sandy Brow Crookhorn	1999	1999	1	19
<i>Zootoca vivipara</i>	Common Lizard	NERC_s41 WCA_s5s91(t)	SU678066	College Rd, Portsmouth Golf Course	2006	2007	2	44
			SU678066	Portsmouth Golf Course	2006	2006	1	46
			SU686050	Farlington Marshes Hwt Reserve, Compartment 11 - Entrance	2002	2002	1	2
			SU686051	Farlington Marshes (n Of M27)	2008	2008	1	1
			SU688053	Farlington Marshes Hwt Reserve: Compartment 11	2001	2001	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
Birds								
<i>Acrocephalus paludicola</i>	Aquatic Warbler	EU_Bird_1 BOCC_Red HBAP NERC_s41	SU6804	Lh Farlington Marshes	1993	2008	21	2
<i>Acrocephalus scirpaceus</i>	Eurasian Reed Warbler	HBAP	SU6804	Lh Farlington Marshes	1993	2012	71	340
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	2	20
			SU6905	Lh Farlington Marshes	2006	2006	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2003	2004	3	1
			SU7005	Lh Budds Farm Sewage Farm	2003	2007	13	2
			SU7006	Havant	2011	2011	1	1
			SU7007	Lh Bedhampton	2004	2004	2	2
<i>Alauda arvensis</i>	Sky Lark	BOCC_Red HBAP NERC_s41	SU6705	Drayton	2010	2010	1	0
			SU6804	Lh Farlington Marshes	1993	2012	59	80
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	5	0
			SU6904	Lh Langstone Hbr Islands (rspb)	1996	2004	5	66
			SU6905	Lh Farlington Marshes	2010	2010	1	0
			SU7004	Lh Langstone Hbr Islands (rspb)	2003	2007	3	60
			SU7005	Lh Broadmarsh/bedhampton Shore	2004	2010	22	41
			SU7106	Havant	2010	2010	1	0
<i>Alcedo atthis</i>	Common Kingfisher	EU_Bird_1 WCA_s1s1	SU6704	Lh Ports Creek	1994	2006	2	1
			SU6804	Lh Farlington Marshes	1993	2012	222	26
			SU6805	Lh Farlington Marshes	2009	2009	1	1
			SU685045	Farlington Marshes Hwt Reserve: South Section	2001	2001	1	1
			SU6904	Lh Langstone Harbour	2002	2002	3	1
			SU6905	Lh Broadmarsh/bedhampton Shore	2005	2005	1	1
			SU6905	Lh Farlington Marshes	2007	2008	3	1
			SU6905	Lh Langstone Harbour	1999	2003	10	2
			SU7005	Lh Bedhampton	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
			SU7005	Lh Broadmarsh/bedhampton Shore	1994	2009	212	12
			SU7005	Lh Budds Farm Sewage Farm	1996	2007	18	2
			SU7005	Lh Langstone Harbour	2003	2008	17	2
			SU7005	Lh Langstone South Moor	2005	2005	1	1
			SU7005	Lh South Moorlangstone Harbour	2010	2010	3	0
			SU7006	Lh Bedhampton Mill Pond	1993	2010	41	3
			SU7006	Lh Hermitage Stream Bedhampton	1994	2007	30	2
			SU7007	Hermitage Stream Bedhampton	2012	2012	3	1
			SU7007	Lh Bedhampton	2004	2005	12	1
			SU7007	Lh Hermitage Stream Bedhampton	2008	2009	14	1
			SU704056	Lh Hermitage Stream Bedhampton	1999	1999	1	1
			SU704063	Lh Hermitage Stream Bedhampton	2003	2003	1	1
			SU706056	Lh Broadmarsh/bedhampton Shore	2000	2000	1	1
			SU706056	Lh Brockhampton Stream	2006	2006	1	2
			SU706057	Lh Broadmarsh/bedhampton Shore	2000	2001	2	1
			SU708057	Lh Brockhampton Stream	2009	2009	1	1
			SU708058	Lh Brockhampton Stream	2000	2009	28	2
			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
<i>Anas clypeata</i>	Northern Shoveler	CR	SU6804	Lh Farlington Marshes	1994	2012	287	131
			SU6804	Lh Langstone Harbour	1993	1999	44	109
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	3	1
			SU6905	Lh Farlington Marshes	2008	2010	8	60
			SU7004	Lh Langstone Hbr Islands (rsph)	2007	2007	1	17
			SU7005	Lh Budds Farm Sewage Farm	1994	2012	152	112
			SU7005	Lh Langstone Harbour	2001	2001	1	2

Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Anas querquedula</i>	Garganey	WCA_s1s1	SU6804	Lh Farlington Marshes	1993	2012	128	5
			SU6805	Farlington	2002	2002	2	2
			SU6905	Lh Farlington Marshes	2009	2009	1	1
			SU7004	Lh Langstone Harbour	2000	2000	1	3
			SU7005	Lh Budds Farm Sewage Farm	1994	2010	19	2
			SU7005	Lh Langstone Harbour	2000	2000	1	1
			SU704054	Lh Langstone Harbour	2000	2000	1	1
<i>Anas strepera</i>	Gadwall	HBAP	SU6804	Lh Farlington Marshes	1994	2012	332	40
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	2	7
			SU685045	Farlington Marshes Hwt Reserve: South Section	1999	1999	1	14
			SU6905	Lh Farlington Marshes	2009	2010	3	25
			SU7004	Lh Langstone Hbr Islands (rspb)	1996	2007	3	2
			SU7005	Lh Budds Farm Sewage Farm	1993	2012	109	67
			SU7005	Lh South Moor, Langstone Harbour	2012	2012	1	30
<i>Anser albifrons</i>	Greater White-fronted Goose	HBAP	SU7006	Lh Bedhampton Mill Pond	1993	2008	46	11
			SU6804	Lh Farlington Marshes	1996	2010	22	26
			SU685045	Lh Farlington Marshes	2010	2010	2	0
<i>Anser albifrons subsp. flavirostris</i>	Greenland Greater White-fronted Goose	EU_Bird_1 BOCC_Red HBAP	SU7005	Lh Broadmarsh/bedhampton Shore	2005	2005	1	12
			SU6804	Lh Farlington Marshes	2000	2007	2	1
			SU6804	Lh Farlington Marshes	2000	2007	2	1
<i>Anthus petrosus</i>	Rock Pipit	CR	SU6804	Lh Farlington Marshes	1993	2012	145	40
			SU6804	Lh Langstone Harbour	2007	2007	1	1
			SU690048	Lh Langstone Harbour	2002	2002	1	1
			SU6904	Lh Langstone Hbr Islands (rspb)	1996	2005	7	14
			SU695055	Lh Broadmarsh/bedhampton Shore	2010	2010	1	0
			SU696055	Lh Broadmarsh/bedhampton Shore	2009	2010	4	1
			SU7004	Lh Budds Farm Sewage Farm	2000	2000	1	15
			SU7005	Lh Broadmarsh/bedhampton Shore	1998	2007	44	10

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7005	Lh Brockhampton Stream	2012	2012	1	1
			SU7005	Lh Budds Farm Sewage Farm	1995	2010	24	50
			SU7005	Lh Langstone Harbour	1999	1999	1	5
			SU7007	Lh Bedhampton	2003	2003	1	1
			SU706056	Lh Budds Farm Sewage Farm	1999	1999	1	4
			SU7105	Lh Langstone South Moor	2003	2003	1	1
			SU7105	Lh South Moorlangstone Harbour	2010	2010	1	0
<i>Anthus petrosus subsp. littoralis</i>	Scandinavian Rock Pipit	CR	SU6804	Lh Farlington Marshes	1993	2007	6	3
<i>Anthus spinoletta</i>	Water Pipit	CS	SU6804	Lh Farlington Marshes	1993	2012	352	5
			SU685045	Lh Farlington Marshes	2006	2006	1	2
			SU7005	Lh Broadmarsh/bedhampton Shore	1999	2005	5	1
			SU7005	Lh Budds Farm Sewage Farm	1993	2000	26	7
<i>Anthus trivialis</i>	Tree Pipit	BOCC_Red NERC_s41	SU6804	Lh Farlington Marshes	1993	2010	38	3
			SU7005	Lh Broadmarsh/bedhampton Shore	1997	2004	4	2
			SU7106	Havant	2002	2002	1	1
<i>Ardea cinerea</i>	Grey Heron	CS	SU6804	Lh Farlington Marshes	1995	2012	92	22
			SU6804	Lh Langstone Harbour	1994	2007	17	23
			SU683050	Lh St John's College Playing Fields	2006	2006	1	2
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	0
			SU693046	Lh Langstone Hbr Islands (rspb)	2004	2004	1	2
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	1	1
			SU7005	Lh Budds Farm Sewage Farm	2006	2009	4	1
			SU7006	Lh Bedhampton Mill Pond	2007	2007	1	1
<i>Ardea purpurea</i>	Purple Heron	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	2001	2002	4	1
<i>Arenaria interpres</i>	Ruddy Turnstone	HBAP	SU6704	Lh Farlington Marshes	2008	2008	1	1
			SU6804	Lh Farlington Marshes	1994	2012	31	120
			SU6804	Lh Langstone Harbour	1994	1999	21	220
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	0

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU6904	Lh Langstone Harbour	1996	2003	5	55
			SU6905	Lh Farlington Marshes	2008	2010	2	1
			SU6905	Lh Langstone Harbour	1995	2001	8	250
			SU697048	Langstone Harbour, Chalkdock Lake	2002	2002	1	0
			SU698048	Lh Langstone Harbour	2004	2004	1	33
			SU698048	Lh Langstone Hbr Islands (rspb)	2005	2005	3	209
			SU7004	Lh Langstone Harbour	1994	2007	20	230
			SU7004	Lh Langstone Harbour Rspb Reserve	2008	2008	1	2
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	1	4
			SU7005	Lh Bedhampton	2009	2009	1	12
			SU7005	Lh Budds Farm Sewage Farm	2012	2012	1	20
			SU7005	Lh Langstone Harbour	1998	2004	4	230
			SU7005	Lh Langstone Hbr Islands (rspb)	2004	2004	1	233
<i>Asio flammeus</i>	Short-eared Owl	EU_Bird_1	SU60X	Sensitive	1993	2009	20	6
			SU60X	Sensitive	1993	2012	264	6
			SU60X	Sensitive	2002	2002	1	1
			SU60X	Sensitive	2012	2012	1	1
			SU70C	Sensitive	1993	2007	3	3
			SU70C	Sensitive	1995	2002	6	1
<i>Asio otus</i>	Long-eared Owl	CR	SU60X	Sensitive	1996	2009	34	1
			SU60X	Sensitive	2009	2009	1	1
<i>Aythya ferina</i>	Common Pochard	HBAP CS	SU6804	Lh Farlington Marshes	1994	2012	100	20
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	3
			SU7005	Lh Budds Farm Sewage Farm	1994	2012	152	73
			SU7006	Lh Bedhampton Mill Pond	2006	2006	1	1
<i>Aythya marila</i>	Greater Scaup	BOCC_Red NERC_s41 WCA_s1s1	SU6704	Lh Langstone Harbour	2003	2003	1	2
			SU6804	Lh Farlington Marshes	1996	2010	17	2
			SU6905	He Hook With Warsash	1999	1999	1	2
			SU6905	Lh Langstone Harbour	1999	1999	1	2
			SU7004	Lh Langstone Harbour	1994	2003	15	2

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7005	Lh Broadmarsh/bedhampton Shore	1996	1999	2	2
			SU7005	Lh Budds Farm Sewage Farm	1996	2004	57	2
			SU7005	Lh Langstone Harbour	1995	2003	6	2
<i>Aythya nyroca</i>	Ferruginous Duck	EU_Bird_1	SU6804	Lh Farlington Marshes	2000	2000	2	1
			SU7005	Lh Budds Farm Sewage Farm	1999	2004	6	1
<i>Botaurus stellaris</i>	Great Bittern	EU_Bird_1 BOCC_Red HBAP NERC_s41 WCA_s1s1	SU6804	Lh Farlington Marshes	2005	2006	9	1
<i>Branta bernicla</i>	Brent Goose	BOCC_Red HBAP NERC_s41	SU6704	Lh Farlington Marshes	2010	2010	1	0
			SU6705	Farlington	2007	2007	1	38
			SU6706	Drayton	2001	2001	1	40
			SU673064	Portsdown Hill	2001	2001	1	40
			SU6804	Lh Farlington Marshes	1996	2012	261	5000
			SU6804	Lh Langstone Harbour	1993	2006	30	5250
			SU6807	Purbrook	2012	2012	1	60
			SU6807	Waterlooville	2002	2002	1	10
			SU683050	Lh St John's College Playing Fields	2001	2007	35	1500
			SU685045	Farlington Marshes Hwt Reserve	1998	1999	3	0
			SU688045	Lh Farlington Marshes	2008	2008	1	74
			SU6904	Lh Langstone Harbour	2003	2010	15	400
			SU6905	Lh Bedhampton	2006	2006	2	487
			SU6905	Lh Farlington Marshes	2007	2010	9	1800
			SU6906	Lh Bedhampton Fruit Farm	2003	2003	1	82
			SU692065	Purbrook	2012	2012	1	20
			SU698060	Lh Manor Farm, Bedhampton, Su70, Havant	2003	2003	2	150
			SU700056	Lh Broadmarsh/bedhampton Shore	2004	2004	2	155
			SU7004	Lh Langstone Harbour	1994	2001	9	1920

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7004	Lh Langstone Harbour Rspb Reserve	2008	2008	1	1
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	15	24
			SU7005	Lh Broadmarsh/bedhampton Shore	1997	2007	26	700
			SU7005	Lh Budds Farm Sewage Farm	2003	2012	5	600
			SU7005	Lh Langstone Harbour	1998	2007	2	800
			SU7005	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7007	Lh Bedhampton	2000	2000	1	104
			SU706062	Lh Hermitage Stream Bedhampton	2001	2001	1	69
			SU707062	Lh Bedhampton	2003	2003	2	10
			SU707063	Lh Bedhampton	2004	2004	1	14
			SU7105	Ch Langstone	2002	2002	1	220
			SU7105	Lh Langstone Harbour	2007	2010	3	300
<i>Branta bernicla subsp. bernicla</i>	Dark-bellied Brent Goose	BOCC_Red HBAP NERC_s41	SU685045	Farlington Marshes Hwt Reserve	2002	2002	2	480
<i>Branta leucopsis</i>	Barnacle Goose	EU_Bird_1	SU6804	Lh Farlington Marshes	1996	2010	61	8
			SU687047	Lh Farlington Marshes	2009	2009	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2007	2007	1	2
<i>Branta ruficollis</i>	Red-breasted Goose	EU_Bird_1	SU6804	Lh Farlington Marshes	2012	2012	33	1
			SU682055	Lh Farlington Marshes	2012	2012	2	1
			SU6904	Lh South Binness Island	2012	2012	1	1
<i>Bubo bubo</i>	Eurasian Eagle Owl	EU_Bird_1	SU7106	Havant	2008	2008	1	1
<i>Burhinus oedicnemus</i>	Stone-curlew	EU_Bird_1 HBAP NERC_s41 WCA_s1s1 CS	SU60	Sensitive	2002	2002	1	1
<i>Calcarius lapponicus</i>	Lapland Longspur	WCA_s1s1	SU6804	Farlington Marshes	2010	2010	29	4
			SU6804	Lh Farlington Marshes	1996	2011	4	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU6905	Farlington Marshes	2010	2010	1	4
<i>Calidris alba</i>	Sanderling	HBAP	SU6804	Lh Farlington Marshes	1999	2012	13	3
			SU6905	Lh Farlington Marshes	2008	2008	1	2
			SU7004	Lh Langstone Hbr Islands (rsbp)	2007	2007	1	1
			SU7005	Lh Langstone Harbour	1996	2004	3	10
<i>Calidris alpina</i>	Dunlin	BOCC_Red HBAP	SU6804	Lh Farlington Marshes	2001	2012	119	10000
			SU6804	Lh Langstone Harbour	1993	2003	23	3000
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	500
			SU6904	Lh Langstone Harbour	1996	2008	6	14200
			SU6905	Lh Farlington Marshes	2009	2010	3	30
			SU698048	Lh Langstone Hbr Islands (rsbp)	2005	2005	1	2
			SU7004	Lh Broadmarsh/bedhampton Shore	2010	2010	1	0
			SU7004	Lh Langstone Hbr Islands (rsbp)	2005	2007	5	450
			SU7007	Lh Bedhampton	2003	2003	1	150
<i>Calidris canutus</i>	Red Knot	HBAP	SU6704	Lh Farlington Marshes	2010	2010	2	0
			SU6804	Lh Farlington Marshes	1999	2012	130	268
			SU6804	Lh Langstone Harbour	1993	2004	49	612
			SU6904	Lh Langstone Harbour	1996	2004	4	900
			SU6905	Lh Broadmarsh/bedhampton Shore	2007	2007	1	5
			SU6905	Lh Farlington Marshes	2007	2010	10	80
			SU6905	Lh Langstone Harbour	2001	2001	1	383
			SU697048	Langstone Harbour, Chalkdock Lake	2002	2002	1	0
			SU7004	Lh Langstone Harbour	1996	2009	11	480
			SU7004	Lh Langstone Hbr Islands (rsbp)	2005	2007	4	6
			SU7005	Lh Broadmarsh/bedhampton Shore	2002	2005	2	12
			SU7005	Lh Budds Farm Sewage Farm	2007	2007	1	8
			SU7005	Lh Langstone Harbour	1999	1999	4	97
<i>Calidris maritima</i>	Purple Sandpiper	WCA_s1s1	SU6804	Lh Farlington Marshes	2010	2010	2	0
			SU6904	Lh Langstone Harbour	2010	2010	2	0

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Calidris temminckii</i>	Temminck's Stint	BOCC_Red WCA_s1s1	SU6804	Lh Farlington Marshes	1993	2008	28	4
<i>Carduelis cabaret</i>	Lesser Redpoll	BOCC_Red NERC_s41	SU6804	Farlington Marshes	2010	2010	1	1
			SU6804	Lh Farlington Marshes	1993	2009	85	84
			SU7005	Lh Broadmarsh/bedhampton Shore	2003	2008	26	11
			SU7005	Lh Budds Farm Sewage Farm	2003	2003	3	5
			SU7106	Havant	2005	2005	1	1
<i>Carduelis cannabina</i>	Common Linnet	BOCC_Red HBAP	SU6804	Lh Farlington Marshes	1993	2012	156	244
			SU6808	Waterlooville	2011	2011	1	2
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	0
			SU6904	Lh Langstone Hbr Islands (rsph)	1996	2003	2	82
			SU6905	Lh Farlington Marshes	2009	2009	1	25
			SU691046	Lh Langstone Hbr Islands (rsph)	2003	2003	1	9
			SU693057	Lh Bedhampton	1999	1999	1	50
			SU7004	Lh Langstone Harbour	2011	2011	1	2
			SU7004	Lh Langstone Hbr Islands (rsph)	2007	2007	1	60
			SU7005	Broadmarsh/bedhampton Shore	2010	2010	1	2
			SU7005	Lh Broadmarsh/bedhampton Shore	1996	2007	21	95
			SU7005	Lh Budds Farm Sewage Farm	2004	2006	3	40
<i>Carduelis flavirostris</i>	Twite	BOCC_Red	SU6804	Lh Farlington Marshes	1993	2009	25	10
			SU7005	Lh Broadmarsh/bedhampton Shore	2003	2003	1	3
			SU7007	Lh Bedhampton	2003	2003	1	3
			SU7105	Lh Langstone South Moor	2003	2003	2	3
<i>Carduelis spinus</i>	Eurasian Siskin	CI	SU6804	Lh Farlington Marshes	1993	2008	119	240
			SU6905	Lh Farlington Marshes	2008	2008	1	15
			SU7005	Broadmarsh/bedhampton Shore	2010	2010	1	5
			SU7005	Lh Broadmarsh/bedhampton Shore	1999	2007	41	15
			SU7005	Lh Budds Farm Sewage Farm	2001	2006	4	12
			SU7006	Lh Bedhampton Mill Pond	2003	2004	3	15
			SU7006	Lh Hermitage Stream Bedhampton	2001	2001	1	19

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7007	Lh Bedhampton	1994	2006	4	35
			SU7107	Ha Leigh Park Havant	2006	2006	1	1
<i>Cettia cetti</i>	Cetti's Warbler	HBAP WCA_s1s1 CS	SU6704	Lh Farlington Playing Fields	2011	2011	1	1
			SU679048	Lh Farlington Playing Fields	2002	2002	1	1
			SU6804	Lh Farlington Marshes	1996	2012	179	46
			SU6805	Lh Farlington Marshes	2004	2004	1	21
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	3	4
			SU685046	Lh Farlington Marshes	2010	2012	3	1
			SU689043	Lh Farlington Marshes	2011	2011	1	1
			SU689049	Lh Farlington Marshes	1999	1999	1	1
			SU6904	Lh Langstone Harbour	2011	2011	1	1
			SU6905	Lh Farlington Marshes	2009	2011	7	2
			SU7004	Lh Langstone Harbour	2011	2011	2	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2002	2002	2	1
			SU7005	Lh Budds Farm Sewage Farm	2003	2012	21	1
			SU7105	Ch Langstone Mill Pond	2002	2003	2	1
<i>Charadrius dubius</i>	Little Plover	WCA_s1s1 CS	SU60X	Sensitive	1993	2012	384	9
			SU60X	Sensitive	1999	1999	1	1
			SU60X	Sensitive	2008	2008	1	1
<i>Chlidonias niger</i>	Black Tern	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	1994	2012	12	4
			SU6805	Farlington	2002	2002	1	1
			SU6905	Lh Farlington Marshes	2010	2010	1	0
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	1	2
			SU7005	Lh Broadmarsh/bedhampton Shore	1999	1999	5	4
			SU7005	Lh Budds Farm Sewage Farm	2010	2010	3	0
<i>Chroicocephalus ridibundus</i>	Black-headed Gull	CR	SU6704	Portsmouth	2001	2001	1	2500
			SU6804	Lh Farlington Marshes	1995	2012	51	6000
			SU6805	Farlington	2002	2002	1	3000
			SU683050	Lh St John's College Playing Fields	2002	2006	5	1000
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	0

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU6905	Lh Farlington Marshes	2006	2010	9	750
			SU6905	Lh Langstone Harbour	2008	2008	1	2000
			SU7004	Lh Langstone Hbr Islands (rsbp)	2007	2007	2	4351
			SU7005	Lh Budds Farm Sewage Farm	2000	2010	10	2500
			SU7005	Lh Langstone Harbour	1995	2000	6	4000
			SU7105	Ch Langstone	2009	2009	1	150
<i>Ciconia ciconia</i>	White Stork	EU_Bird_1	SU7106	Havant	2012	2012	1	5
<i>Circus aeruginosus</i>	Eurasian Marsh Harrier	EU_Bird_1 WCA_s1s1 CR	SU6804	Lh Farlington Marshes	1994	2012	189	2
			SU6804	Lh Langstone Harbour	1993	2006	9	2
			SU685045	Lh Farlington Marshes	2009	2012	3	1
			SU6905	Lh Farlington Marshes	2006	2010	3	1
			SU695045	Lh Langstone Harbour	2010	2010	1	0
			SU7004	Lh Langstone Harbour	2008	2008	1	1
			SU7004	Lh Langstone Hbr Islands (rsbp)	2007	2007	1	1
			SU7005	Lh Budds Farm Sewage Farm	2006	2012	3	1
			SU7005	Lh Langstone Harbour	1999	1999	1	1
<i>Circus cyaneus</i>	Hen Harrier	EU_Bird_1 BOCC_Red HBAP NERC_s41 WCA_s1s1	SU60X	Sensitive	1993	2010	20	1
			SU60X	Sensitive	1997	2003	3	1
			SU70C	Sensitive	2007	2007	2	1
			SU70C	Sensitive	2010	2010	4	0
<i>Clangula hyemalis</i>	Long-tailed Duck	WCA_s1s1	SU6804	Lh Farlington Marshes	1998	2010	10	2
			SU7004	Lh Langstone Harbour	2001	2009	10	2
			SU7005	Lh Broadmarsh/bedhampton Shore	2001	2010	7	2
			SU7005	Lh Budds Farm Sewage Farm	2010	2010	3	0
			SU7005	Lh Langstone Harbour	2001	2009	11	2
			SU704054	Lh Langstone Harbour	2001	2001	2	1
			SU7105	Ch Langstone	2005	2005	1	1

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Coccothraustes coccothraustes</i>	Hawfinch	BOCC_Red HBAP NERC_s41 CI	SU6706	Cosham	2002	2002	1	1
<i>Cuculus canorus</i>	Common Cuckoo	BOCC_Red NERC_s41	SU6804	Lh Farlington Marshes	1993	2012	105	7
			SU6805	Lh Farlington Marshes	1994	1999	2	1
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	1
			SU685045	Farlington Marshes Hwt Reserve: South Section	2001	2001	1	2
			SU690053	Lh Langstone Harbour	2001	2001	1	2
			SU6904	Lh Langstone Harbour Rspb Reserve	2008	2008	2	1
			SU693046	Lh Langstone Hbr Islands (rspb)	2005	2005	2	2
			SU7004	Lh Budds Farm Sewage Farm	2004	2004	1	1
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2003	2005	9	2
			SU7005	Lh Budds Farm Sewage Farm	2004	2006	7	1
<i>Cygnus columbianus</i>	Tundra Swan	EU_Bird_1 HBAP WCA_s1s1	SU6804	Lh Farlington Marshes	1999	2000	2	3
<i>Cygnus cygnus</i>	Whooper Swan	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	2008	2008	6	1
<i>Dendrocopos minor</i>	Lesser Spotted Woodpecker	BOCC_Red HBAP	SU7007	Lh Bedhampton	1994	2000	2	1
<i>Egretta garzetta</i>	Little Egret	EU_Bird_1 HBAP CR	SU6704	Ph Horsea Island	2007	2007	1	27
			SU6706	Drayton	2000	2000	2	2
			SU6706	Fort Purbrook	2004	2004	1	1
			SU6804	Lh Farlington Marshes	1994	2012	322	53
			SU6804	Lh Langstone Harbour	1993	1999	40	47
			SU6805	Farlington	2002	2002	1	1
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	0

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU6904	Lh Langstone Harbour	1993	1999	24	22
			SU6905	Lh Farlington Marshes	2008	2010	8	26
			SU7004	Ch Chichester Harbour	1993	2002	2	1
			SU7004	Lh Langstone Harbour	1993	2003	21	35
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	1	19
			SU7005	Lh Broadmarsh/bedhampton Shore	1994	2010	3	2
			SU7005	Lh Budds Farm Sewage Farm	1996	2012	7	22
			SU7006	Lh Bedhampton Mill Pond	2001	2001	1	1
			SU7105	Ch Langstone Mill Pond	2007	2012	6	139
			SU7106	Havant	2001	2003	2	1
<i>Emberiza calandra</i>	Corn Bunting	BOCC_Red HBAP CS	SU6804	Lh Farlington Marshes	1993	2011	3	8
			SU7005	Lh Broadmarsh/bedhampton Shore	2002	2002	1	1
<i>Emberiza citrinella</i>	Yellowhammer	BOCC_Red NERC_s41	SU6707	Purbrook	2011	2011	1	1
			SU6804	Lh Farlington Marshes	1994	2007	21	1
			SU6808	Waterlooville	2011	2011	2	10
			SU7005	Lh Broadmarsh/bedhampton Shore	1999	2007	5	2
			SU7005	Lh Budds Farm Sewage Farm	2003	2005	2	3
			SU7008	Ha Leigh Park Havant	2011	2011	3	3
<i>Emberiza schoeniclus</i>	Reed Bunting	HBAP NERC_s41	SU6704	Lh Farlington Marshes	2011	2011	1	1
			SU6804	Farlington Marshes	2010	2010	17	3
			SU6804	Lh Farlington Marshes	1996	2012	45	24
			SU684055	Farlington	2010	2010	1	1
			SU684055	Farlington Marshes	2010	2010	3	2
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	5	0
			SU6905	Farlington Marshes	2010	2010	2	4
			SU6905	Lh Farlington Marshes	2007	2011	3	4
			SU7004	Lh Langstone Harbour	1993	2011	2	1
			SU7005	Broadmarsh/bedhampton Shore	2010	2010	1	1
			SU7005	Farlington Marshes	2010	2010	1	2

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7005	Lh Broadmarsh/bedhampton Shore	2004	2008	18	5
			SU7005	Lh Budds Farm Sewage Farm	2006	2007	3	1
			SU7005	Lh Farlington Marshes	2007	2007	1	2
<i>Falco columbarius</i>	Merlin	EU_Bird_1 HBAP WCA_s1s1	SU6704	Lh Farlington Marshes	2010	2010	1	0
			SU6804	Lh Farlington Marshes	1994	2012	159	2
			SU6804	Lh Langstone Harbour	1993	2007	100	3
			SU6904	Lh Farlington Marshes	2002	2008	2	1
			SU6904	Lh Langstone Harbour	1994	1999	17	1
			SU6904	Lh Langstone Hbr Islands (rsbp)	1996	2002	2	1
			SU6905	Lh Farlington Marshes	2007	2010	6	1
			SU6905	Lh Langstone Harbour	1999	2008	2	1
			SU7004	Lh Langstone Hbr Islands (rsbp)	1996	2007	5	1
			SU7005	Lh Broadmarsh/bedhampton Shore	1999	2010	4	1
			SU7005	Lh Budds Farm Sewage Farm	1999	1999	1	1
			SU7106	Havant	1995	2012	3	1
<i>Falco peregrinus</i>	Peregrine Falcon	EU_Bird_1 WCA_s1s1 CR	SU60	Sensitive	1993	2012	8	2
			SU60	Sensitive	1993	2012	179	3
			SU60	Sensitive	1994	2010	3	1
			SU60	Sensitive	1996	2010	11	1
			SU60	Sensitive	1998	2002	2	1
			SU60	Sensitive	2000	2000	1	1
			SU60	Sensitive	2001	2001	1	1
			SU60	Sensitive	2001	2001	1	1
			SU60	Sensitive	2006	2006	1	2
			SU60	Sensitive	2008	2008	1	1
			SU70	Sensitive	1994	2008	28	2
			SU70	Sensitive	1997	2012	15	2
			SU70	Sensitive	2000	2012	3	1
			SU70	Sensitive	2003	2003	1	1
			SU70	Sensitive	2010	2010	1	0

sharing information about Hampshire's wildlife

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<i>Falco subbuteo</i>	Eurasian Hobby	HBAP WCA_s1s1 CI	SU60X	Sensitive	1993	2012	279	2
			SU60X	Sensitive	1996	2010	3	1
			SU60X	Sensitive	2005	2005	2	1
			SU70C	Sensitive	1995	2010	4	1
			SU70C	Sensitive	2007	2007	1	1
			SU70D	Sensitive	1995	2001	4	1
			SU70D	Sensitive	1999	2012	3	2
<i>Ficedula hypoleuca</i>	Pied Flycatcher	CR	SU6804	Lh Farlington Marshes	1993	2012	39	3
			su7005	South Moor, Langstone Harbour	2010	2010	1	1
<i>Fringilla montifringilla</i>	Brambling	WCA_s1s1	SU6804	Lh Farlington Marshes	1994	2012	9	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2005	2008	16	50
			SU7006	Lh Bedhampton Mill Pond	2005	2005	1	1
			SU703063	Lh Bedhampton	2003	2003	1	1
			SU7105	Lh South Moor, Langstone Harbour	2012	2012	1	1
<i>Gallinago gallinago</i>	Common Snipe	HBAP CS	SU6804	Lh Farlington Marshes	1994	2012	349	119
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	3	2
			SU685045	Lh Farlington Marshes	2009	2009	1	14
			SU6905	Lh Farlington Marshes	2007	2008	4	21
			SU7004	Lh Langstone Hbr Islands (rsph)	1996	2007	2	26
			SU7005	Lh Broadmarsh/bedhampton Shore	2004	2007	5	8
			SU7005	Lh Budds Farm Sewage Farm	1995	2003	6	20
			SU7106	Havant	2010	2010	1	0
<i>Gavia immer</i>	Great Northern Diver	EU_Bird_1 WCA_s1s1	SU6704	Lh Farlington Marshes	2008	2008	1	1
			SU6804	Lh Farlington Marshes	2001	2005	2	1
			SU6904	Lh Langstone Harbour	1999	2001	2	1
			SU6905	Lh Langstone Harbour	1999	1999	1	1
			SU700050	Lh Langstone Harbour	2001	2001	1	1
			SU7004	Lh Langstone Harbour	1999	2009	3	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2009	2009	1	2
			SU7005	Lh Langstone Harbour	1993	2009	6	1

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Gavia stellata</i>	Red-throated Diver	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	2002	2008	2	1
			SU6904	Lh Langstone Harbour	1998	2002	2	1
			SU7004	Lh Langstone Harbour	2003	2003	2	1
			SU7005	Lh Bedhampton	2006	2006	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2006	2006	1	1
			SU7005	Lh Budds Farm Sewage Farm	2004	2004	1	1
			SU7005	Lh Langstone Harbour	1997	2003	6	1
<i>Glareola pratincola</i>	Collared Pratincole	EU_Bird_1	SU6804	Lh Farlington Marshes	2005	2005	1	1
<i>Grus grus</i>	Common Crane	EU_Bird_1	SU6804	Lh Farlington Marshes	2012	2012	2	1
<i>Haematopus ostralegus</i>	Eurasian Oystercatcher	CS	SU6804	Lh Farlington Marshes	2000	2012	70	2100
			SU6804	Lh Langstone Harbour	1994	2003	9	760
			SU683050	Lh St John's College Playing Fields	2002	2006	3	52
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	210
			SU6905	Lh Farlington Marshes	2007	2010	10	1200
			SU7004	Lh Langstone Hbr Islands (rsph)	2007	2007	1	34
			SU7005	Lh Broadmarsh/bedhampton Shore	2001	2007	26	175
			SU7005	Lh Budds Farm Sewage Farm	2005	2009	8	100
			SU7006	Lh Bedhampton	1998	2006	2	7
			SU7006	Lh Bedhampton Water Works	2005	2005	1	7
			SU7007	Lh Bedhampton	2005	2006	4	46
			SU708062	Lh Bedhampton	2002	2004	5	23
			SU7106	Havant	2004	2004	1	1
<i>Haliaeetus albicilla</i>	White-tailed Eagle	EU_Bird_1 BOCC_Red WCA_s1s1	SU7007	Lh Bedhampton	2008	2008	1	1
<i>Hydrocoloeus minutus</i>	Little Gull	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	1995	2012	102	14
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	1
			SU6905	Lh Langstone Harbour	2000	2002	5	1
			SU697048	Langstone Harbour, Chalkdock Lake	2002	2002	1	1
			SU7004	Lh Langstone Harbour	1996	2001	7	2

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7005	Lh Broadmarsh/bedhampton Shore	1998	2001	19	4
			SU7005	Lh Budds Farm Sewage Farm	1995	2012	43	3
			SU7005	Lh Langstone Harbour	1993	2002	15	9
			SU704054	Lh Langstone Harbour	2001	2001	1	1
			SU707052	Lh Budds Farm Sewage Farm	2008	2008	1	3
<i>Ixobrychus minutus</i>	Little Bittern	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	1993	2012	19	2
<i>Jynx torquilla</i>	Eurasian Wryneck	BOCC_Red WCA_s1s1	SU6804	Lh Farlington Marshes	1993	2012	69	2
			SU6805	Farlington	2002	2002	2	1
			SU690048	Lh Farlington Marshes	2008	2008	1	1
<i>Lanius collurio</i>	Red-backed Shrike	EU_Bird_1 BOCC_Red WCA_s1s1	SU6804	Lh Farlington Marshes	1994	2005	19	1
<i>Larus argentatus</i>	Herring Gull	BOCC_Red CR	SU6804	Lh Farlington Marshes	1997	2012	6	250
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	3	0
			SU7004	Lh Langstone Harbour	1995	2003	2	300
			SU7005	Lh Broadmarsh/bedhampton Shore	2001	2007	3	370
			SU7106	Havant	2012	2012	1	1
<i>Larus fuscus</i>	Lesser Black-backed Gull	CR	SU6804	Lh Farlington Marshes	1994	2012	177	20
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	3	15
			SU7004	Lh Langstone Harbour	1999	2003	4	14
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	6	3
			SU7005	Lh Broadmarsh/bedhampton Shore	1998	2007	4	4
			SU7005	Lh Budds Farm Sewage Farm	2006	2007	2	1
			SU7005	Lh Langstone Harbour	1995	2002	9	10
<i>Larus marinus</i>	Great Black-backed Gull	CR	SU6804	Lh Farlington Marshes	2001	2010	11	51
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	2	7
			SU6904	Lh Langstone Harbour Rspb Reserve	2008	2008	2	5
			SU7004	Lh Langstone Harbour Rspb Reserve	2008	2008	2	49
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	5	47

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Larus melanocephalus</i>	Mediterranean Gull	EU_Bird_1 HBAP WCA_s1s1 CR	SU60S	Sensitive	1995	2010	5	2
			SU60T	Sensitive	2006	2006	1	1
			SU60X	Sensitive	1993	2012	693	33
			SU60X	Sensitive	1994	2010	14	17
			SU60X	Sensitive	1997	2009	3	10
			SU60X	Sensitive	2001	2006	3	8
			SU60X	Sensitive	2002	2002	1	1
			SU60Y	Sensitive	2000	2000	1	1
			SU60Y	Sensitive	2003	2003	1	1
			SU70C	Sensitive	1993	2007	25	94
			SU70C	Sensitive	1993	2012	145	57
			SU70C	Sensitive	1999	2012	15	50
			SU70C	Sensitive	2001	2001	1	1
			SU70C	Sensitive	2001	2001	1	2
			SU70C	Sensitive	2007	2007	1	2
			SU70C	Sensitive	2012	2012	2	17
			SU70D	Sensitive	2001	2001	1	2
			SU70D	Sensitive	2001	2012	2	6
			SU70D	Sensitive	2009	2009	1	3
<i>Limosa lapponica</i>	Bar-tailed Godwit	EU_Bird_1 HBAP	SU6804	Lh Farlington Marshes	1997	2012	42	120
			SU6804	Lh Langstone Harbour	1993	2006	13	290
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	7
			SU6904	Lh Langstone Harbour	1996	2003	6	322
			SU697048	Langstone Harbour, Chalkdock Lake	2002	2002	1	44
			SU7004	Lh Langstone Harbour	1996	2003	26	600
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	9	400
			SU7005	Lh Broadmarsh/bedhampton Shore	2003	2004	2	300
			SU7005	Lh Budds Farm Sewage Farm	2004	2004	1	2
			SU7005	Lh Langstone Harbour	1996	2001	7	83
			SU7105	Ch Langstone	2000	2009	3	300

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7105	Lh Langstone Harbour	2003	2010	4	82
<i>Limosa limosa</i>	Black-tailed Godwit	BOCC_Red HBAP WCA_s1s1 CI	SU6704	Lh Farlington Marshes	2009	2009	1	60
			SU6804	Lh Farlington Marshes	1994	2012	203	800
			SU6804	Lh Langstone Harbour	1993	2007	136	680
			SU683050	Lh St John's College Playing Fields	2005	2005	1	20
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	84
			SU6905	Lh Farlington Marshes	2007	2010	15	200
			SU7004	Lh Langstone Harbour	1995	2003	7	74
			SU7004	Lh Langstone Hbr Islands (rsbp)	2007	2007	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2000	2010	3	146
			SU7005	Lh Budds Farm Sewage Farm	2004	2009	3	40
			SU7005	Lh Langstone Harbour	1998	2001	2	80
			SU7005	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7105	Ch Langstone	2006	2007	5	110
			SU7105	Lh Langstone Harbour	2008	2008	1	65
<i>Locustella luscinioides</i>	Savi's Warbler	BOCC_Red NERC_s41 WCA_s1s1 CI	SU6804	Lh Farlington Marshes	2001	2011	6	1
<i>Locustella naevia</i>	Common Grasshopper Warbler	BOCC_Red HBAP NERC_s41 CR	SU6804	Lh Farlington Marshes	1993	2009	51	16
			SU6805	Farlington	2002	2002	1	1
			SU685045	Farlington Marshes Hwt Reserve: Compartment 3	2001	2001	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2002	2004	2	1
			SU710067	Lh Hermitage Stream Bedhampton	2002	2002	1	1
<i>Loxia curvirostra</i>	Common Crossbill	WCA_s1s1 CS	SU7005	Lh Broadmarsh/bedhampton Shore	2005	2005	2	11

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Lullula arborea</i>	Wood Lark	EU_Bird_1 HBAP NERC_s41 WCA_s1s1 CI	SU70C	Sensitive	2005	2010	5	3
<i>Luscinia megarhynchos</i>	Common Nightingale	HBAP CS	SU6804 SU6808 SU6908 SU7005	Lh Farlington Marshes Waterlooville Sz39 Lh South Moor, Langstone Harbour	1993 2011 1999 2011	2011 2011 1999 2011	19 1 1 1	1 1 1 1
<i>Melanitta fusca</i>	Velvet Scoter	WCA_s1s1	SU6904 SU7005	Lh Langstone Harbour Lh Budds Farm Sewage Farm	2007 2010	2007 2010	1 1	2 0
<i>Melanitta nigra</i>	Common Scoter	BOCC_Red HBAP NERC_s41 WCA_s1s1	SU6804 SU6904 SU7004 SU7005	Lh Farlington Marshes Lh Langstone Harbour Lh Langstone Harbour Lh Langstone Harbour	2012 2007 1996 1996	2012 2007 2009 2002	1 1 13 3	1 3 2 1
<i>Mergellus albellus</i>	Smew	EU_Bird_1	SU6905 SU7004	Lh Langstone Harbour Lh Langstone Hbr Islands (rsph)	1999 1999	1999 1999	1 1	1 1
<i>Mergus merganser</i>	Goosander	HBAP CR	SU6804 SU6905 SU700050 SU7004 SU7005 SU7005 SU7005 SU7005 SU7006 SU7006 SU7105	Lh Farlington Marshes Lh Langstone Harbour Ch Langstone Mill Pond Lh Langstone Harbour Lh Broadmarsh/bedhampton Shore Lh Budds Farm Sewage Farm Lh Langstone Harbour Lh Bedhampton Mill Pond Lh Hermitage Stream Bedhampton Ch Langstone	1995 1999 1999 1993 1998 1993 1993 1999 2000 1999	2012 1999 1999 2002 2000 2008 1999 1999 2000 1999	5 1 1 7 7 8 30 1 1 1 1	20 1 1 3 1 2 4 1 1 1 1
<i>Mergus serrator</i>	Red-breasted Merganser	HBAP	SU6804 SU6804	Lh Farlington Marshes Lh Langstone Harbour	1995 1994	2012 2007	32 5	26 60

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU685045	Langstone Harbour SSSI	1999	1999	1	0
			SU6905	Lh Farlington Marshes	2009	2010	4	40
			SU697048	Langstone Harbour, Chalkdock Lake	2002	2002	1	0
			SU7004	Lh Langstone Harbour	1995	2009	10	90
			SU7005	Lh Budds Farm Sewage Farm	1996	2012	3	25
			SU7005	Lh Langstone Harbour	2009	2009	1	40
			SU704055	Lh Broadmarsh/bedhampton Shore	2012	2012	1	24
			SU7105	Lh South Moor, Langstone Harbour	2012	2012	1	58
			SU7105	Lh South Moorlangstone Harbour	2010	2010	1	0
<i>Milvus migrans</i>	Black Kite	EU_Bird_1	SU7107	Havant	2009	2009	1	1
			SU60X	Sensitive	1996	2012	8	2
<i>Milvus milvus</i>	Red Kite	EU_Bird_1 HBAP WCA_s1s1 CR	SU70C	Sensitive	2009	2012	2	1
			SU70D	Sensitive	2010	2012	5	1
			SU6804	Lh Farlington Marshes	1993	2012	513	150
			SU682055	Farlington	2012	2012	1	2
			SU685045	Lh Farlington Marshes	2008	2008	1	5
			SU685046	Lh Farlington Marshes	2012	2012	1	20
			SU6904	Lh Langstone Harbour	1993	2004	2	5
			SU6905	Lh Farlington Marshes	2007	2011	6	50
			SU7004	Lh Langstone Hbr Islands (rsbp)	2003	2003	4	2
<i>Motacilla flava</i>	Yellow Wagtail	BOCC_Red HBAP CR	SU7005	Lh Broadmarsh/bedhampton Shore	2000	2005	14	20
			SU7005	Lh Budds Farm Sewage Farm	1996	2010	8	8
			SU7005	Lh Langstone Harbour	2008	2008	1	30
			SU7005	Lh South Moor, Langstone Harbour	2012	2012	4	10
			SU7005	Lh South Moorlangstone Harbour	2010	2010	3	0
			SU704055	Lh Broadmarsh/bedhampton Shore	2011	2011	1	10
			SU7105	Lh Langstone South Moor	1995	2006	2	67
			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>Motacilla flava subsp. flava</i>	Blue-Headed Wagtail	BOCC_Red HBAP CR	SU6804	Lh Farlington Marshes	1994	2006	12	3
<i>Motacilla flava subsp. flavissima</i>	Yellow Wagtail	BOCC_Red HBAP NERC_s41 CR	SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	1
			SU685045	Farlington Marshes Hwt Reserve: South Section	1999	1999	1	1
<i>Muscicapa striata</i>	Spotted Flycatcher	BOCC_Red HBAP NERC_s41	SU6804	Farlington Marshes	2010	2010	4	3
			SU6804	Lh Farlington Marshes	1994	2012	133	38
			SU68280453	Farlington Marshes	2010	2010	1	2
			SU683044	Lh Farlington Marshes	2012	2012	1	1
			SU685045	Farlington Marshes	2010	2010	1	1
			SU687047	Lh Farlington Marshes	2011	2011	1	1
			SU6905	Lh Farlington Marshes	2008	2008	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2003	2004	2	1
			su7005	South Moor, Langstone Harbour	2010	2010	1	1
			SU7006	Lh Bedhampton Mill Pond	2001	2003	2	1
			SU7007	Lh Bedhampton	2005	2005	1	2
			SU7007	Lh Hermitage Stream Bedhampton	2009	2009	1	1
			SU704055	Lh Broadmarsh/bedhampton Shore	2011	2011	1	1
			SU708058	Lh Brockhampton Stream	2003	2003	1	1
			SU7105	Ch Langstone Mill Pond	2012	2012	1	2
<i>Numenius arquata</i>	Eurasian Curlew	NERC_s41	SU6804	Lh Farlington Marshes	1995	2012	64	1300
			SU6804	Lh Langstone Harbour	1993	2006	13	1434
			SU683050	Lh St John's College Playing Fields	2001	2006	20	172
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	5	80
			SU6905	Lh Farlington Marshes	2007	2010	10	250
			SU692068	Lh Bedhampton	2001	2003	2	110
			SU7004	Lh Langstone Harbour	1994	2000	12	1600
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	1	80

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7005	Lh Broadmarsh/bedhampton Shore	2002	2007	3	1
			SU7005	Lh Budds Farm Sewage Farm	2012	2012	2	8
<i>Numenius phaeopus</i>	Whimbrel	BOCC_Red WCA_s1s1	SU6704	Farlington	2006	2006	1	11
			SU6804	Lh Farlington Marshes	1996	2012	76	76
			SU6804	Lh Langstone Harbour	1993	2006	43	93
			SU682055	Farlington	2012	2012	1	20
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	2	50
			SU6904	Lh Langstone Harbour	1994	2003	10	59
			SU6905	Lh Broadmarsh/bedhampton Shore	2003	2003	1	3
			SU6905	Lh Farlington Marshes	2007	2007	1	15
			SU6905	Lh Langstone Harbour	1996	1999	7	8
			SU700050	Lh Langstone Harbour	2001	2001	2	3
			SU7004	Lh Langstone Harbour	1994	2003	9	40
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	1	5
			SU7005	Lh Broadmarsh/bedhampton Shore	2002	2010	2	9
			SU7005	Lh Budds Farm Sewage Farm	2006	2010	2	1
			SU7005	Lh Langstone Harbour	1996	2008	7	186
<i>Oenanthe oenanthe</i>	Northern Wheatear	CS	SU6704	Lh Farlington Marshes	2008	2010	2	1
			SU6704	Lh Langstone Harbour	2004	2009	4	1
			SU6804	Lh Farlington Marshes	1993	2012	1250	380
			SU6805	Farlington	2002	2002	1	2
			SU682055	Farlington	2012	2012	1	20
			su684045	Lh Farlington Marshes	2008	2008	1	1
			SU685045	Farlington Marshes Hwt Reserve	1999	2002	3	15
			SU685045	Farlington Marshes Hwt Reserve: South Section	1999	1999	1	6
			SU685045	Lh Farlington Marshes	2010	2010	1	0
			SU686047	Lh Farlington Marshes	2011	2011	1	3
			SU6904	Lh Langstone Harbour	1994	2011	3	1
			SU6905	Lh Farlington Marshes	2007	2011	14	7

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU693046	Lh Langstone Hbr Islands (rspb)	2005	2005	2	1
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	1994	2010	63	15
			SU7005	Lh Budds Farm Sewage Farm	1993	2012	7	4
			SU7005	Lh Langstone Harbour	2006	2008	2	2
			SU7005	Lh Langstone South Moor	2003	2008	2	1
			SU7005	Lh South Moor, Langstone Harbour	2011	2012	7	4
			SU7005	Lh South Moorlangstone Harbour	2010	2010	3	0
			SU7006	Lh Hermitage Stream Bedhampton	2001	2003	2	2
			SU704055	Lh Broadmarsh/bedhampton Shore	2011	2011	1	1
			SU7105	Lh South Moor, Langstone Harbour	2011	2011	2	2
<i>Pandion haliaetus</i>	Osprey	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	2002	2012	84	2
			SU6804	Lh Langstone Harbour	1993	2007	10	2
			SU6805	Farlington	2002	2002	2	2
			SU685045	Lh Farlington Marshes	2008	2008	1	1
			SU6904	Lh Langstone Harbour	1995	1999	3	1
			SU6904	Lh Langstone Harbour Rspb Reserve	2008	2008	9	2
			SU6905	Lh Farlington Marshes	2008	2010	8	2
			SU6905	Lh Langstone Harbour	1997	2008	2	1
			SU695045	Lh Langstone Harbour	2010	2010	1	0
			SU7004	Lh Langstone Harbour	2003	2006	2	1
			SU7004	Lh Langstone Harbour Rspb Reserve	2008	2008	9	2
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	2	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2000	2010	2	1
			SU7005	Lh Budds Farm Sewage Farm	2008	2010	5	1
			SU7005	Lh Langstone Harbour	2000	2010	3	1
<i>Panurus biarmicus</i>	Bearded Tit	HBAP WCA_s1s1 CR	SU6804	Farlington Marshes	2010	2010	31	16
			SU6804	Lh Farlington Marshes	1993	2012	449	100
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	5	15
			SU68540469	Farlington Marshes	2010	2010	1	2

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU686046	Lh Farlington Marshes	2012	2012	1	1
			SU686047	Lh Farlington Marshes	2008	2008	1	5
			SU6904	Lh Langstone Harbour	2008	2011	2	5
			SU6905	Farlington Marshes	2010	2010	2	12
			SU6905	Lh Farlington Marshes	2009	2011	3	2
			SU7005	Lh Farlington Marshes	2011	2011	1	2
<i>Passer domesticus</i>	House Sparrow	BOCC_Red NERC_s41	SU6707	Purbrook	2011	2011	1	1
			SU6804	Lh Farlington Marshes	1999	2007	8	7
			SU6806	Purbrook	2011	2011	1	0
			SU6808	Waterlooville	2011	2011	2	14
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	1
			SU7004	Lh Langstone Harbour	2011	2011	1	5
			SU7006	Havant	2011	2011	1	6
			SU7006	Lh Bedhampton	2009	2009	1	32
			SU7008	Ha Leigh Park Havant	2011	2012	2	25
<i>Passer montanus</i>	Eurasian Tree Sparrow	BOCC_Red HBAP NERC_s41 CR	SU60X	Sensitive	1995	2005	3	2
			SU70C	Sensitive	2003	2003	1	1
<i>Perdix perdix</i>	Grey Partridge	BOCC_Red HBAP NERC_s41	SU6805	Ne Polecat Corner	2004	2004	1	14
<i>Pernis apivorus</i>	European Honey-buzzard	EU_Bird_1 HBAP WCA_s1s1 CR	SU60	Sensitive	1999	2008	5	3
			SU60	Sensitive	2012	2012	1	1
			SU70	Sensitive	2000	2000	1	1
			SU70	Sensitive	2000	2000	1	3
			SU70	Sensitive	2000	2012	3	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Phalaropus lobatus</i>	Red-necked Phalarope	EU_Bird_1 BOCC_Red WCA_s1s1	SU6804	Lh Farlington Marshes	1993	2010	11	1
<i>Philomachus pugnax</i>	Ruff	EU_Bird_1 BOCC_Red WCA_s1s1	SU6704	Lh Farlington Marshes	2010	2010	1	0
			SU6804	Lh Farlington Marshes	1993	2012	232	5
			SU683050	Lh St John's College Playing Fields	2003	2003	3	1
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	2	2
			SU7005	Lh Langstone Harbour	1996	2000	2	6
<i>Phoenicurus ochruros</i>	Black Redstart	WCA_s1s1 CR	SU60X	Sensitive	1995	2009	17	1
			SU60X	Sensitive	1999	1999	1	1
			SU60X	Sensitive	2009	2010	3	1
			SU60X	Sensitive	2010	2010	1	0
			SU70C	Sensitive	1996	2012	4	1
			SU70D	Sensitive	2012	2012	1	1
<i>Phoenicurus phoenicurus</i>	Common Redstart	CI	SU6804	Lh Farlington Marshes	1993	2012	300	20
			SU683045	Lh Farlington Marshes	2011	2011	1	1
			SU684046	Lh Farlington Marshes	2009	2009	1	1
			SU685045	Farlington Marshes Hwt Reserve: South Section	1999	1999	1	1
			SU6904	Lh Farlington Marshes	2008	2008	1	1
			SU6905	Lh Farlington Marshes	2008	2008	1	1
			SU7004	Lh Langstone South Moor	2006	2006	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	1994	2005	6	3
			SU7005	Lh Budds Farm Sewage Farm	2004	2004	1	1
			SU7007	Lh Bedhampton	2004	2004	1	1
			SU704055	Lh Broadmarsh/bedhampton Shore	2011	2011	1	2
<i>Platalea leucorodia</i>	Eurasian Spoonbill	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	1995	2012	110	4
			SU6804	Lh Langstone Harbour	2009	2009	1	1
			SU6905	Lh Farlington Marshes	2007	2009	2	1
			SU7004	Lh Langstone Hbr Islands (rsbp)	2007	2007	3	3

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7005	Lh Langstone Harbour	2002	2002	1	1
<i>Plectrophenax nivalis</i>	Snow Bunting	WCA_s1s1	SU6804	Lh Farlington Marshes	1994	2005	6	3
<i>Plegadis falcinellus</i>	Glossy Ibis	EU_Bird_1	SU6804	Lh Farlington Marshes	2012	2012	20	1
<i>Pluvialis apricaria</i>	European Golden Plover	EU_Bird_1 HBAP	SU6804	Lh Farlington Marshes	1994	2012	202	250
			SU6804	Lh Langstone Harbour	1993	1999	10	22
			SU688045	Lh Farlington Marshes	2009	2009	1	5
			SU6904	Lh Farlington Marshes	2003	2003	1	2
			SU6904	Lh Langstone Harbour	2003	2003	2	1
			SU6905	Lh Farlington Marshes	2008	2010	3	60
			SU7005	Lh Broadmarsh/bedhampton Shore	2003	2007	6	39
			SU7005	Lh Budds Farm Sewage Farm	2010	2010	1	0
			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
<i>Pluvialis squatarola</i>	Grey Plover	HBAP CI	SU6704	Lh Farlington Marshes	2010	2012	2	4
			SU6804	Lh Farlington Marshes	2002	2012	68	660
			SU6804	Lh Langstone Harbour	1993	2006	27	950
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	3	13
			SU6904	Lh Langstone Harbour	1995	2008	6	1770
			SU6905	Lh Farlington Marshes	2008	2010	8	270
			SU6905	Lh Langstone Harbour	1999	1999	1	24
			SU7004	Lh Langstone Hbr Islands (rsbp)	2005	2007	2	42
			SU7005	Lh South Moorlangstone Harbour	2010	2010	1	0
<i>Podiceps auritus</i>	Slavonian Grebe	EU_Bird_1 HBAP WCA_s1s1	SU6704	Lh Farlington Marshes	2008	2008	1	1
			SU6704	Lh Langstone Harbour	2004	2004	1	6
			SU6804	Lh Farlington Marshes	2004	2012	4	2
			SU7004	Lh Langstone Harbour	1993	2009	13	2
			SU7005	Lh Broadmarsh/bedhampton Shore	2009	2009	2	2
			SU7005	Lh Langstone Harbour	1996	2002	2	2
			SU706056	Lh Budds Farm Sewage Farm	2012	2012	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7105	Lh Langstone Harbour	2003	2003	1	1
<i>Podiceps cristatus</i>	Great Crested Grebe	CI	SU6804	Lh Farlington Marshes	1997	2012	17	27
			SU6804	Lh Langstone Harbour	1995	2009	8	58
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	2	0
			SU6904	Lh Langstone Harbour	1994	2003	13	52
			SU6905	Lh Farlington Marshes	2010	2010	2	0
			SU6905	Lh Langstone Harbour	1994	2010	6	85
			SU7004	Lh Langstone Harbour	1995	2009	16	144
			SU7005	Lh Budds Farm Sewage Farm	2010	2010	1	0
			SU7005	Lh Langstone Harbour	1995	1999	5	42
<i>Podiceps nigricollis</i>	Black-necked Grebe	HBAP WCA_s1s1	SU6804	Lh Farlington Marshes	2001	2012	4	4
			SU6804	Lh Langstone Harbour	1993	2009	6	14
			SU6904	Lh Langstone Harbour	1994	2009	28	18
			SU6905	He Hook With Warsash	1999	1999	1	2
			SU6905	Lh Langstone Harbour	1994	2001	16	17
			SU692052	Lh Langstone Harbour	2000	2000	1	1
			SU697048	Langstone Harbour, Chalkdock Lake	2002	2002	1	9
			SU700050	Lh Langstone Harbour	2001	2001	2	14
			SU7004	Lh Langstone Harbour	1993	2009	84	26
			SU7005	Lh Broadmarsh/bedhampton Shore	2001	2009	2	1
			SU7005	Lh Budds Farm Sewage Farm	1995	2010	5	2
			SU7005	Lh Langstone Harbour	2000	2009	6	25
			SU7005	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7006	Lh Langstone Harbour	2008	2008	1	1
<i>Poecile palustris</i>	Marsh Tit	BOCC_Red	SU7005	Lh Budds Farm Sewage Farm	2002	2002	1	1
<i>Porzana porzana</i>	Spotted Crake	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	1994	2012	113	2
			SU6905	Lh Farlington Marshes	2007	2009	3	1
<i>Pyrrhula pyrrhula</i>	Common Bullfinch	HBAP	SU6707	Purbrook	2011	2011	1	2
			SU6804	Lh Farlington Marshes	1993	2012	101	10
			SU6805	Lh Farlington Marshes	1994	1999	11	2

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU6808	Waterlooville	2011	2011	1	1
			SU685045	Farlington Marshes	2010	2010	1	2
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	1
			su686053	Lh Farlington Marshes	2009	2009	1	2
			SU6904	Lh Farlington Marshes	1999	1999	1	1
			SU6905	Lh Farlington Marshes	2004	2004	1	2
			SU7005	Lh Broadmarsh/bedhampton Shore	2002	2007	16	9
			SU7005	Lh Budds Farm Sewage Farm	2000	2006	2	2
			SU7005	Lh Langstone Harbour	2002	2002	1	2
			SU7007	Lh Hermitage Stream Bedhampton	2009	2009	1	1
			SU7008	Ha Leigh Park Havant	2011	2011	2	1
<i>Rallus aquaticus</i>	Water Rail	CS	SU6704	Lh Farlington Marshes	2009	2009	1	1
			SU6804	Lh Farlington Marshes	1993	2012	186	20
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	0
			SU6904	Lh Langstone Harbour	2008	2008	1	1
			SU6905	Lh Farlington Marshes	2008	2010	2	1
			SU7005	Lh Budds Farm Sewage Farm	1994	2010	37	2
			SU7005	Lh South Moor, Langstone Harbour	2009	2009	1	1
			SU7006	Lh Hermitage Stream Bedhampton	2000	2000	1	1
			SU7007	Ha Leigh Park Havant	2010	2010	3	0
			SU7007	Lh Hermitage Stream Bedhampton	2008	2009	8	1
			SU706056	Lh Budds Farm Sewage Farm	2012	2012	1	1
<i>Recurvirostra avosetta</i>	Pied Avocet	EU_Bird_1 WCA_s1s1 CR	SU7105	Havant	2005	2005	1	1
			SU6704	Lh Farlington Marshes	2009	2009	1	11
			SU6704	Lh Langstone Harbour	2003	2012	13	26
			SU6804	Lh Farlington Marshes	1993	2012	487	40
			SU6804	Lh Langstone Harbour	1997	2009	20	32
			SU682055	Lh Farlington Marshes	2012	2012	1	23
			SU685045	Lh Farlington Marshes	2010	2010	1	0
			SU6904	Lh Langstone Harbour	2003	2003	1	3

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU6905	Lh Farlington Marshes	2007	2010	9	28
			SU7004	Lh Langstone Harbour	2003	2003	1	4
			SU7005	Lh Broadmarsh/bedhampton Shore	2000	2001	9	1
			SU7005	Lh Budds Farm Sewage Farm	2002	2002	1	3
			SU7005	Lh Langstone Harbour	1999	2002	2	1
<i>Regulus ignicapilla</i>	Firecrest	HBAP WCA_s1s1 CS	SU60X	Sensitive	1993	2012	37	2
			SU60X	Sensitive	2003	2003	1	1
			SU60X	Sensitive	2012	2012	1	1
			SU70C	Sensitive	1995	2010	8	1
			SU70C	Sensitive	2008	2008	1	1
			SU70D	Sensitive	2001	2002	2	1
			SU70D	Sensitive	2004	2004	1	1
			SU70D	Sensitive	2008	2008	1	1
<i>Riparia riparia</i>	Sand Martin	CS	SU6804	Lh Farlington Marshes	1993	2010	335	770
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	2	9
			SU685045	Farlington Marshes Hwt Reserve: South Section	1999	1999	1	1
			SU6905	Lh Langstone Harbour	2003	2003	1	2
			SU7004	Lh Langstone Harbour	2001	2001	1	16
			SU7005	Lh Broadmarsh/bedhampton Shore	1996	2003	8	30
			SU7005	Lh Budds Farm Sewage Farm	1995	2009	31	40
			SU7005	Lh South Moor, Langstone Harbour	2012	2012	2	12
			SU7005	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7007	Lh Bedhampton	2005	2005	1	1
<i>Saxicola rubetra</i>	Whinchat	HBAP CR	SU6804	Lh Farlington Marshes	1993	2012	688	238
			SU6805	Farlington	2002	2002	2	5
			SU6806	Portsdown Hill	2000	2000	1	1
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	1
			SU686047	Lh Farlington Marshes	2011	2011	1	1
			SU6905	Lh Farlington Marshes	2008	2010	5	1

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7005	Lh Broadmarsh/bedhampton Shore	1994	2007	30	7
			SU7005	Lh Budds Farm Sewage Farm	2006	2006	1	1
			SU7005	Lh South Moor, Langstone Harbour	2011	2012	4	3
			SU7005	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7006	Lh Hermitage Stream Bedhampton	2001	2003	2	1
<i>Serinus serinus</i>	European Serin	WCA_s1s1	SU7005	Lh Broadmarsh/bedhampton Shore	2004	2004	1	1
<i>Stercorarius parasiticus</i>	Arctic Skua	BOCC_Red	SU6804	Lh Farlington Marshes	2002	2003	3	1
			SU6804	Lh Langstone Harbour	1993	2003	5	1
<i>Sterna dougallii</i>	Roseate Tern	EU_Bird_1 BOCC_Red HBAP NERC_s41 WCA_s1s1 CR	SU60	Sensitive	2002	2002	1	1
<i>Sterna hirundo</i>	Common Tern	EU_Bird_1 CR	SU6804	Lh Farlington Marshes	2002	2012	21	142
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	2
			SU7004	Lh Langstone Harbour	1995	2002	3	42
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	3	87
			SU7005	Lh Langstone Harbour	1996	2001	3	9
			SU7005	Lh South Moorlangstone Harbour	2010	2010	1	0
<i>Sterna paradisaea</i>	Arctic Tern	EU_Bird_1	SU6804	Lh Farlington Marshes	1995	1999	2	3
			SU6804	Lh Langstone Harbour	1994	2003	2	2
			SU6904	Lh Langstone Harbour	2006	2006	1	1
			SU7005	Lh Langstone Harbour	1999	1999	1	2
<i>Sterna sandvicensis</i>	Sandwich Tern	EU_Bird_1 CR	SU6804	Lh Farlington Marshes	1995	2012	16	3
			SU6804	Lh Langstone Harbour	2003	2003	1	1
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	1	10
			SU685045	Farlington Marshes Hwt Reserve: South Section	1999	1999	1	1

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU6905	Lh Farlington Marshes	2008	2010	2	1
			SU6905	Lh Langstone Harbour	1995	2003	3	2
			SU7004	Lh Langstone Harbour	1995	2003	5	2
			SU7004	Lh Langstone Hbr Islands (rsph)	2003	2007	7	78
			SU7005	Lh Broadmarsh/bedhampton Shore	2001	2012	5	3
			SU7005	Lh Budds Farm Sewage Farm	2008	2008	1	2
			SU7005	Lh Langstone Harbour	2000	2008	10	5
			SU7105	Ch Langstone	2007	2007	1	1
			SU7106	Havant	2012	2012	1	2
<i>Sternula albifrons</i>	Little Tern	EU_Bird_1 HBAP WCA_s1s1 CR	SU6804	Lh Farlington Marshes	1996	2012	16	40
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	2	18
			SU6904	Lh Langstone Harbour	1994	1999	3	17
			SU6905	Lh Farlington Marshes	2009	2010	2	40
			SU7004	Lh Langstone Harbour	1994	2001	4	90
			SU7004	Lh Langstone Hbr Islands (rsph)	2007	2007	8	112
<i>Streptopelia turtur</i>	European Turtle Dove	BOCC_Red HBAP NERC_s41	SU7005	Lh Farlington Marshes	2010	2010	1	0
			SU6804	Lh Farlington Marshes	1993	2007	47	3
			SU7005	Lh Broadmarsh/bedhampton Shore	2000	2002	2	2
<i>Sturnus vulgaris</i>	Common Starling	BOCC_Red	SU7005	Lh Budds Farm Sewage Farm	2003	2003	1	1
			SU6704	Farlington	2006	2006	1	300
			SU6704	Lh Farlington Marshes	2011	2011	1	1000
			SU6704	Lh Langstone Harbour	2006	2006	1	800
			SU6705	Farlington	2007	2007	2	100
			SU6804	Farlington Marshes	2010	2010	7	500
			SU6804	Langstone Harbour	2010	2010	2	100
			SU6804	Lh Farlington Marshes	1993	2012	212	10000
			SU6805	Farlington	1997	2000	2	4000
			SU6806	Purbrook	2011	2011	1	0
			SU6808	Waterlooville	2011	2011	5	27
			SU681048	Farlington Triangle	2009	2009	1	0

sharing information about Hampshire's wildlife

The Hampshire Biodiversity Information Centre Partnership includes local authorities, government agencies, wildlife charities and biological recording groups.

Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	200
			SU6904	Lh Langstone Harbour	2001	2001	1	2000
			SU6904	Lh Langstone Hbr Islands (rsbp)	2004	2004	1	280
			SU6905	Farlington Marshes	2010	2010	4	500
			SU6905	Lh Farlington Marshes	2007	2011	12	650
			SU7004	Lh Langstone Harbour	1993	2011	2	200
			SU7005	Broadmarsh/bedhampton Shore	2010	2010	1	82
			SU7005	Farlington Marshes	2010	2010	1	100
			SU7005	Lh Broadmarsh/bedhampton Shore	2004	2008	42	3300
			SU7005	Lh Budds Farm Sewage Farm	1996	2006	5	1100
			SU7005	Lh Farlington Marshes	2007	2011	2	100
			su7005	South Moor, Langstone Harbour	2010	2010	1	300
			SU7006	Lh Broadmarsh/bedhampton Shore	2004	2004	1	300
			SU7008	Ha Leigh Park Havant	2011	2011	3	75
<i>Sylvia nisoria</i>	Barred Warbler	EU_Bird_1	SU6804	Lh Farlington Marshes	2000	2000	1	1
			SU689049	Lh Farlington Marshes	2003	2003	1	1
<i>Sylvia undata</i>	Dartford Warbler	EU_Bird_1 HBAP WCA_s1s1 CI	SU60X	Sensitive	1993	2012	142	5
			SU60X	Sensitive	2002	2002	1	1
			SU70C	Sensitive	1993	2003	5	1
<i>Tadorna ferruginea</i>	Ruddy Shelduck	EU_Bird_1	SU6804	Lh Farlington Marshes	1995	2010	26	4
			SU6904	Lh Langstone Harbour	1999	1999	1	4
			SU6905	Lh Farlington Marshes	2010	2010	1	0
			SU7005	Lh Budds Farm Sewage Farm	2005	2005	1	1
			SU704055	Lh Broadmarsh/bedhampton Shore	2010	2010	1	0
<i>Tadorna tadorna</i>	Common Shelduck	CI	SU6804	Lh Farlington Marshes	1996	2012	91	405
			SU6804	Lh Langstone Harbour	1995	2006	35	676
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	0
			SU6904	Lh Langstone Harbour	1993	2000	3	15

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU6905	Lh Farlington Marshes	2007	2010	5	130
			SU7004	Lh Langstone Harbour	1993	2000	16	519
			SU7004	Lh Langstone Harbour Rspb Reserve	2008	2009	3	7
			SU7004	Lh Langstone Hbr Islands (rspb)	2007	2007	5	138
			SU7005	Lh Broadmarsh/bedhampton Shore	2000	2001	8	7
			SU7005	Lh Budds Farm Sewage Farm	1996	2010	47	40
			SU7005	Lh Langstone Harbour	1996	2008	3	2
			SU7006	Lh Bedhampton Mill Pond	2000	2000	1	1
			SU7105	Lh Langstone Harbour	2007	2007	1	60
<i>Tringa glareola</i>	Wood Sandpiper	EU_Bird_1 WCA_s1s1	SU6804	Lh Farlington Marshes	1993	2012	48	5
			SU6704	Lh Farlington Marshes	2012	2012	1	26
			SU6804	Lh Farlington Marshes	1994	2012	301	66
			SU6804	Lh Langstone Harbour	1993	2007	148	59
			SU685045	Farlington Marshes Hwt Reserve	1999	2002	2	6
			SU685045	Lh Farlington Marshes	2008	2010	2	3
			SU6904	Lh Langstone Harbour	2002	2002	1	1
			SU6905	Lh Farlington Marshes	2007	2010	13	28
			SU6905	Lh Langstone Harbour	2001	2001	1	1
			SU695051	Lh Langstone Harbour	2003	2003	2	2
			SU700050	Ch Chichester Hbr Hampshire Sectors	1999	1999	2	1
			SU700050	Lh Langstone Harbour	2001	2001	1	1
			SU7004	Lh Langstone Harbour	1996	2002	2	2
			SU7004	Lh Langstone Hbr Islands (rspb)	2005	2005	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2000	2008	5	25
			SU7005	Lh Budds Farm Sewage Farm	2004	2012	3	1
			SU7005	Lh Langstone Harbour	1996	2004	2	1
			SU708058	Lh Brockhampton Stream	2008	2008	1	1
			SU7105	Ch Langstone	2000	2007	3	3
			SU7105	Lh Langstone Harbour	2007	2010	3	1
<i>Tringa nebularia</i>	Common Greenshank	WCA_s1s1						

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Tringa ochropus</i>	Green Sandpiper	WCA_s1s1	SU6704	Lh Farlington Marshes	2009	2009	1	1
			SU6804	Lh Farlington Marshes	1993	2012	426	12
			SU685046	Lh Farlington Marshes	2012	2012	1	1
			SU6905	He Hook With Warsash	1999	1999	1	2
			SU6905	Lh Farlington Marshes	2008	2009	5	1
			SU7005	Lh Broadmarsh/bedhampton Shore	1997	2007	4	2
			SU7005	Lh Budds Farm Sewage Farm	1993	2012	105	9
			SU7005	Lh Langstone Harbour	2008	2008	2	1
			SU7005	Lh South Moor, Langstone Harbour	2012	2012	3	1
			SU7005	Lh South Moorlangstone Harbour	2010	2010	2	0
			SU7006	Lh Bedhampton Water Works	1995	2000	11	2
			SU7006	Lh Hermitage Stream Bedhampton	1997	2008	34	4
			SU7007	Ha Leigh Park Havant	2010	2012	39	4
			SU7007	Havant	2012	2012	16	7
			SU7007	Hermitage Stream Bedhampton	2012	2012	12	2
			SU7007	Lh Bedhampton	2004	2005	10	1
			SU7007	Lh Hermitage Stream Bedhampton	2008	2009	39	5
			SU703058	Lh Hermitage Stream Bedhampton	2000	2000	1	1
			SU707053	Lh Bedhampton	2009	2009	1	2
			SU7105	Ch Langstone	1999	1999	1	2
			SU7105	Lh Langstone South Moor	2003	2003	1	1
			SU7106	Havant	2001	2012	4	5
<i>Tringa totanus</i>	Common Redshank	HBAP	SU6804	Lh Farlington Marshes	1995	2012	154	1000
			SU6804	Lh Langstone Harbour	1993	2004	57	730
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	0
			SU6904	Lh Langstone Harbour	1993	2003	6	205
			SU6905	Lh Farlington Marshes	2007	2010	11	400
			SU7004	Lh Langstone Harbour	1993	2001	6	97
			SU7005	Lh Budds Farm Sewage Farm	2008	2012	11	177
			SU7005	Lh Langstone Harbour	2000	2000	1	160

sharing information about Hampshire's wildlife

The Hampshire Biodiversity Information Centre Partnership includes local authorities, government agencies, wildlife charities and biological recording groups.

Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU7007	Lh Bedhampton	2005	2005	1	1
<i>Turdus iliacus</i>	Redwing	BOCC_Red WCA_s1s1	SU6707	Purbrook	2011	2011	1	100
			SU6804	Lh Farlington Marshes	1993	2010	70	130
			SU6806	Purbrook	2011	2011	1	0
			SU684055	Farlington	2010	2010	1	0
			SU7005	Lh Broadmarsh/bedhampton Shore	2005	2007	23	1250
			SU7005	Lh Budds Farm Sewage Farm	1996	2010	2	1
			SU7005	Lh South Moorlangstone Harbour	2010	2010	1	0
			SU7007	Lh Bedhampton	1996	2005	3	100
			SU7008	Ha Leigh Park Havant	2011	2011	2	95
			SU7107	Havant	2004	2004	2	10
<i>Turdus philomelos</i>	Song Thrush	BOCC_Red HBAP	SU679073	Sandy Dell/Widley Park	2010	2010	1	0
			SU6804	Lh Farlington Marshes	1993	2011	63	50
			SU6806	Purbrook	2011	2011	1	2
			SU6808	Waterlooville	2011	2011	2	7
			SU685045	Farlington Marshes Hwt Reserve	2002	2002	3	0
			SU7004	Lh Langstone Harbour	2011	2011	2	1
			SU7005	Lh Broadmarsh/bedhampton Shore	2005	2010	18	10
			SU7008	Ha Leigh Park Havant	2011	2011	4	3
<i>Turdus pilaris</i>	Fieldfare	BOCC_Red WCA_s1s1	SU6707	Purbrook	2011	2011	1	250
			SU6804	Lh Farlington Marshes	1994	2010	27	63
			SU6806	Purbrook	2011	2011	1	0
			SU683050	Lh St John's College Playing Fields	2003	2003	1	1
			SU7005	Lh Broadmarsh/bedhampton Shore	1994	2007	21	496
			SU7006	Lh Bedhampton	2003	2003	1	123
			SU7006	Lh Bedhampton Water Works	1999	1999	1	2
			SU7007	Lh Bedhampton	2003	2003	1	16
			SU7106	Havant	2003	2003	1	6
<i>Turdus torquatus</i>	Ring Ouzel	BOCC_Red NERC_s41	SU6804	Lh Farlington Marshes	1993	2010	30	3
			SU6805	Farlington	2003	2003	1	1

sharing information about Hampshire's wildlife

The Hampshire Biodiversity Information Centre Partnership includes local authorities, government agencies, wildlife charities and biological recording groups.

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			SU7005	Lh Budds Farm Sewage Farm	2011	2011	1	1
			SU704055	Lh Broadmarsh/bedhampton Shore	2011	2011	1	1
<i>Tyto alba</i>	Barn Owl	WCA_s1s1	SU6804	Lh Farlington Marshes	1995	2010	36	1
			SU6905	Lh Langstone Harbour	2004	2004	1	1
			SU7105	Lh Brockhampton Stream	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	SU6804	Lh Farlington Marshes	1993	2012	68	809
			SU6804	Lh Langstone Harbour	1993	2006	52	1800
			SU683050	Lh St John's College Playing Fields	2001	2003	7	270
			SU685045	Farlington Marshes Hwt Reserve	1998	2002	4	0
			SU685045	Farlington Marshes Hwt Reserve: South Section	1999	1999	1	875
			SU6905	Lh Bedhampton	1999	1999	1	270
			SU6905	Lh Farlington Marshes	2007	2007	2	350
			SU691056	Lh Bedhampton	1999	1999	1	134
			SU7005	Lh Broadmarsh/bedhampton Shore	2006	2006	2	2
			SU7006	Lh Bedhampton Mill Pond	2007	2007	1	1
			SU7007	Lh Bedhampton	2004	2004	2	23
			SU7105	Lh Langstone Harbour	2007	2007	2	150
Higher plants - Conifers								
<i>Juniperus communis</i>	Juniper	HBAP NERC_s41	SU688064	Field East of Farlington Redoubt	2001	2001	1	0
Higher plants - Flowering Plants								
<i>Agrostemma githago</i>	Corncockle	CR	SU708054	Southmoor Lane, Bedhampton	2008	2008	1	4
<i>Alisma lanceolatum</i>	Narrow-leaved Water-plantain	CS	SU685066	Portsmouth Golf Course East	2006	2006	1 *	0
<i>Allium schoenoprasum</i>	Chives	NS CI	SU675065	Crookhorn Golf Course West	2004	2004	1	100
<i>Alopecurus bulbosus</i>	Bulbous Foxtail	NS	SU6804	Farlington Marshes	1990	2013	2	0

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
		HBAP CR	SU685043 SU687046	Farlington Marshes Farlington Marshes	1994 2002	1994 2002	1 * 1	0 0
<i>Anisantha rigida</i>	Ripgut Brome	CS	SU698056	A27(t) Junction At Broadmarsh, Havant	2007	2007	1	0
<i>Anthriscus caucalis</i>	Bur Chervil	CS	SU698055 SU698056 SU7004 SU706052	Broadmarsh, Bedhampton Broadmarsh Long Island Sewage Works	1999 1999 2004 2006	1999 1999 2004 2006	1 1 1 2	1 1 0 4
<i>Artemisia absinthium</i>	Wormwood	CS	SU692053	Broadmarsh, Bedhampton	1999	1999	1	1
<i>Bromus commutatus</i>	Meadow Brome	CS	SU698079	Neville's Park Area 10	1996	1996	1 *	0
<i>Bromus racemosus</i>	Smooth Brome	CS	SU685043 SU688049	Farlington Marshes Langstone Harbour	1994 1994	1994 1994	1 * 1	0 1
<i>Bupleurum tenuissimum</i>	Slender Hare's-ear	IUCN_GB_2001:VU NS HBAP NERC_s41 CS	SU6804 SU685043	Farlington Marshes Farlington Marshes	1977 1994	2001 1994	2 1 *	0 0
<i>Cakile maritima</i>	Sea Rocket	CS	SU6804	Farlington Marsh	2001	2001	1	1
<i>Carex divisa</i>	Divided Sedge	IUCN_GB_2001:VU NS HBAP NERC_s41 CS	SU6704 SU6804 SU6804 SU681048 SU685043 SU704060	Farlington/portscreek Farlington Marsh Farlington Marshes Farlington Triangle Farlington Marshes Bedhampton	1998 2003 1990 1995 1986 1997	1998 2003 2013 2009 1994 1997	1 1 2 3 * 2 * 1	1 0 1 0 0 1
<i>Centaurea cyanus</i>	Cornflower	HBAP NERC_s41 CR	SU708054	Southmoor Lane, Bedhampton	2008	2008	1	3
<i>Dactylorhiza occidentalis</i>	Western Marsh-orchid	IUCN_GB_2001:DD	SU685043	Farlington Marshes	1994	1994	1	0
<i>Eleocharis uniglumis</i>	Slender Spike-rush	CS	SU685043	Farlington Marshes	1994	1994	1 *	0

sharing information about Hampshire's wildlife

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<i>Euphorbia esula</i> x <i>waldsteinii</i> = <i>E. x pseudovirgata</i>	Twiggy Spurge	CR	SU678065	Fort Purbrook Area A	2000	2000	1	0
<i>Euphorbia exigua</i>	Dwarf Spurge	IUCN_GB_2001:NT	SU68110612 SU691061	East and West of Gilman Road UE5 Land at Portsdown Hill	2011 2008	2011 2008	1 * 1 *	0 0
<i>Euphrasia pseudokernerii</i>	Eyebright	IUCN_GB_2001:EN NS HBAP NERC_s41 CR	SU678064	Fort Purbrook	2000	2000	1	0
<i>Galium parisiense</i>	Wall Bedstraw	IUCN_GB_2001:VU NS HBAP CR	SU688051 SU688053	Solent Way, Bedhampton Farlington Marshes Hwt Reserve	2007 2007	2008 2007	2 1	0 0
<i>Geranium purpureum</i>	Little-robin	NR, NS HBAP CR	SU7004	Long Island	2004	2004	1	5000
<i>Geranium rotundifolium</i>	Round-leaved Crane's-bill	CS	SU6806 SU7005 SU7005	Fort Purbrook, Crookhorn Budds Farm, Bedhampton Sewage Works	1998 2008 1997	1998 2008 1997	1 1 2	1 1 1
<i>Glebionis segetum</i>	Corn Marigold	IUCN_GB_2001:VU	SU708054	Southmoor Lane, Bedhampton	2008	2008	1	5
<i>Gymnadenia conopsea</i> subsp. <i>borealis</i>	Fragrant Orchid	CR	SU678064	Fort Purbrook	2000	2000	1	0
<i>Gymnadenia conopsea</i> subsp. <i>densiflora</i>	Fragrant Orchid	IUCN_GB_2001:DD CR	SU678064	Fort Purbrook	2000	2000	1	0
<i>Hippophae rhamnoides</i>	Sea-buckthorn	NS CI	SU6804 SU6905	Farlington Marshes Solent Way, Bedhampton	2013 2007	2013 2008	1 2	0 0
<i>Hordeum marinum</i>	Sea Barley	IUCN_GB_2001:VU NS HBAP NERC_s41	SU6704 SU6804 SU6804 SU685043	Farlington/portscreek Farlington Marsh Farlington Marshes Farlington Marshes	1998 2001 1990 1994	1998 2001 2013 1994	1 1 7 1 *	1 1 1 0

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
		CR	SU686047 SU687047	Farlington Marshes Farlington Marshes	2012 1987	2012 2012	1 4	0 1
<i>Inula crithmoides</i>	Golden-samphire	NS HBAP	SU6704	Farlington/portscreek	1998	1998	1	1
			SU6804	Farlington Marsh	2001	2001	1	1
			SU6804	Farlington Marshes	2013	2013	1	0
			SU689046	Farlington	2006	2006	2	15
			SU689051	Broadmarsh	2006	2006	1	0
			SU690047	Farlington Marshes	2006	2006	1	0
			SU6905	Broadmarsh, Bedhampton	1999	1999	1	1
			SU6905	Solent Way (foreshore), Bedhampton	2007	2008	2	0
			SU691053	Broadmarsh	2006	2006	1	0
			SU696054	Broadmarsh, Bedhampton	2009	2009	1	0
			SU700053	Broadmarsh	2006	2006	1	0
			SU7004	Langstone	1997	1997	1	1
			SU7005	Sewage Works	1997	1997	1	1
			SU701053	Langstone Harbour, Broadmarsh	2006	2006	1	2
			SU703053	Bedhampton Creek	2006	2006	1	2
			SU703054	Bedhampton Creek	2006	2006	1	4
			SU703055	Bedhampton Creek	2006	2006	1	1
			SU704055	Bedhampton Creek	2006	2006	1	1
<i>Lathyrus hirsutus</i>	Hairy Vetchling	NR	SU698055	Broad Marsh	2003	2003	1	0
			SU700055	Broadmarsh	2006	2006	1	0
			SU7005	Havant Broadmarsh	2008	2008	3	0
			SU703055	Broadmarsh Hill	2002	2010	4	0
			SU703055	S Of Harts Farm Way W Of Brockhampton	2005	2006	2	0
			SU70310553	Broadmarsh Hill	2002	2002	1	1
<i>Limonium humile</i>	Lax-flowered Sea-lavender	NS CS	SU689053	Farlington Marshes	2001	2001	1	0
			SU692053	Broadmarsh, Bedhampton	2001	2001	1	1
			SU699052	Farlington	1999	1999	1	1

sharing information about Hampshire's wildlife

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<i>Meconopsis cambrica</i>	Welsh Poppy	NS	SU7005	Broadmarsh, Bedhampton (car Park)	2008	2008	1	0
<i>Misopates orontium</i>	Weasel's-snout	IUCN_GB_2001:VU	SU698056	A27(t) Junction At Broadmarsh, Havant	2007	2007	1	0
<i>Myosurus minimus</i>	Mousetail	IUCN_GB_2001:VU	SU708051	Budds Mound Havant	2000	2000	1	1
<i>Onobrychis viciifolia</i>	Sainfoin	IUCN_GB_2001:NT	SU6706	Portsmouth Portsdown	2008	2008	1	0
			SU678065	Fort Purbrook Area A	1996	1996	1 *	0
			SU68580614	East and West of Gilman Road	2011	2011	1 *	0
<i>Ononis spinosa</i>	Spiny Restharrow	CS	SU6704	Farlington/portscreek	1998	1998	1	1
			SU6804	Farlington Marshes	1990	2013	4	1
			SU681048	Farlington Triangle	2009	2009	1	0
			SU685043	Farlington Marshes	1994	1994	1 *	0
<i>Ophrys insectifera</i>	Fly Orchid	IUCN_GB_2001:VU NERC_s41 CS	SU685066	Crookhorn Golf Course East	2004	2006	3	18
			SU689065	Portsmouth City Golf Course Copse (Grassland)	2006	2006	1 *	0
			SU689066	Ports Down Golf Course	1999	2012	3	18
			SU689066	Portsmouth City Golf Course Copse	2001	2001	1 *	8
<i>Orchis morio</i>	Green-winged Orchid	IUCN_GB_2001:NT HBAP	SU685043	Farlington Marshes	1994	1994	1 *	0
<i>Orobanche hederæ</i>	Ivy Broomrape	CR	SU7106	Havant Town	2008	2008	1	0
<i>Parapholis incurva</i>	Curved Hard-grass	NS HBAP CS	SU685043	Farlington Marshes	1994	1994	1 *	0
			SU6905	Broadmarsh, Bedhampton	1999	1999	1	1
<i>Petroselinum segetum</i>	Corn Parsley	CS	SU6804	Farlington Marshes	1977	2013	3	1
			SU68480620	East and West of Gilman Road	2011	2011	1 *	0
			SU687046	Farlington	1999	1999	1	1
<i>Poa compressa</i>	Flattened Meadow-grass	CS	SU68110612	East and West of Gilman Road	2011	2011	1 *	0
<i>Poa infirma</i>	Early Meadow-grass	NS	SU709052	Sewage Works	2006	2006	1	0
<i>Polypogon monspeliensis</i>	Annual Beard-grass	NS HBAP	SU6804	Farlington Marshes	1990	2001	3	200
			SU685043	Farlington Marshes	1994	1994	1 *	0

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU68630481 SU698055 SU698056	Farlington Marsh Broadmarsh, Bedhampton A27(t) Junction At Broadmarsh, Havant	2001 2008 2007	2001 2008 2007	1 1 1	1 0 0
<i>Puccinellia fasciculata</i>	Borrer's Saltmarsh-grass	IUCN_GB_2001:VU NS HBAP NERC_s41 CS	SU6805 SU685043	Farlington Marshes Farlington Marshes	2013 1994	2013 1994	1 1 *	0 0
<i>Puccinellia rupestris</i>	Stiff Saltmarsh-grass	NS HBAP	SU6704 SU6804 SU685043 SU687043 SU687046 SU6905	Farlington/portscreek Farlington Marshes Farlington Marshes Farlington Marshes Farlington Marshes Broadmarsh, Bedhampton	1998 2010 1994 1998 2001 1999	1998 2013 1994 1998 2001 1999	1 2 1 * 1 1 1	1 0 0 0 0 1
<i>Ranunculus baudotii</i>	Brackish Water-crowfoot	CS	SU6804 SU6804 SU6804 SU685043 SU7106	Farlington Marsh Farlington Marshes Farlington Marshes, Pond Edge Farlington Marshes Havant Town Centre	2007 1993 2003 1994 2008	2007 2013 2003 1994 2008	2 2 1 1 * 1	0 1 0 0 0
<i>Ranunculus penicillatus</i>	Stream Water-crowfoot	HBAP	SU705062 SU708058	Bedhampton Sewage Works	1997 1997	1997 1997	1 1	1 1
<i>Ranunculus trichophyllus</i>	Thread-leaved Water-crowfoot	CR	SU6804 SU6804	Farlington Marshes Langstone Harbour	2013 1997	2013 1997	1 1	0 1
<i>Raphanus raphanistrum subsp. maritimus</i>	Sea Radish	CS	SU698055	Broad Marsh	2003	2003	1 *	0
<i>Ruppia maritima</i>	Beaked Tasselweed	CS	SU6804 SU685043	Farlington Marshes Farlington Marshes	1993 1994	2001 1994	2 1 *	1 0
<i>Sagina maritima</i>	Sea Pearlwort	CS	SU7004	Langstone	1997	1997	1	1
<i>Salicornia dolichostachya</i>	Long-spiked	CS	SU689045	Farlington	1999	2009	2	1

sharing information about Hampshire's wildlife

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	Glasswort		SU689050	Farlington Marshes	2009	2009	1	0
			SU690052	Solent Way, Farlington	2009	2009	1	0
<i>Salicornia europaea</i>	Common Glasswort	CR	SU685043	Farlington Marshes	1994	1994	1 *	0
			SU689052	Farlington Marshes	2009	2009	1	0
<i>Salicornia fragilis</i>	Yellow Glasswort	NS CS	SU690051	Farlington Marshes	2009	2009	1	0
<i>Salicornia pusilla</i>	One-flowered Glasswort	NS HBAP CS	SU689052	Farlington	1999	1999	1	1
<i>Sambucus ebulus</i>	Dwarf Elder	CR	SU6705	Portsmouth Airport	1995	1995	1	0
<i>Samolus valerandi</i>	Brookweed	CS	SU702059	Hermitage Stream, Bedhampton	1997	1997	1	0
			SU703057	Bedhampton Creek	2009	2009	1	0
			SU703059	Sewage Works, Brockhampton	1997	1997	1	1
			SU703060	Mill Stream, Bedhampton	1990	1997	2	0
			SU703061	Bedhampton	1989	1997	2	1
			SU704062	Hermitage Stream North Of Bedhampton Mill	1997	1997	1	0
<i>Sarcocornia perennis</i>	Perennial Glasswort	NS	SU689045	Farlington	2009	2009	1	0
			SU689052	Farlington Marshes	2009	2009	1	0
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	CS	SU7106	Havant Town	2008	2008	1	0
<i>Seriphidium maritimum</i>	Sea Wormwood	CS	SU689051	Solent Way (foreshore), Bedhampton	2007	2008	2	0
			SU689052	Langstone Harbour	2008	2008	1	4
			SU689053	Farlington Marshes	1998	2001	2	1
			SU6904	Farlington Marsh	2001	2001	1	1
			SU6905	Broadmarsh, Bedhampton	1999	1999	1	1
			SU699053	Langstone Harbour	2008	2008	1	4
			SU7004	Langstone	1997	1997	1	1
<i>Sorbus rupicola</i>	Rock Whitebeam	NS	SU689066	Portsmouth City Golf Course Copse	2001	2001	1	0

sharing information about Hampshire's wildlife

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<i>Spartina maritima</i> x <i>alterniflora</i> = <i>S. x townsendii</i>	Townsend's Cord-grass	IUCN_GB_2001:EN NS NERC_s41 CR	SU687046	Farlington Marshes	2001	2001	1	0
<i>Spergula arvensis</i>	Corn Spurrey	IUCN_GB_2001:VU	SU7005	Havant Southmoor Lane	2008	2008	1	0
<i>Spiranthes spiralis</i>	Autumn Lady's-tresses	IUCN_GB_2001:NT	SU672064	Hoylake Road, Portsdown Hill	2011	2011	1	23
			SU675065	Crookhorn Golf Course West	2004	2004	1	12
			SU677063	Portsdown Hill	2010	2010	1	6
			SU678065	Fort Purbrook Area A	1996	1996	1 *	0
			SU679064	Fort Purbrook	2005	2005	1	6
			SU68000635	Fort Purbrook Paddock 1	2004	2004	1 *	0
			SU680062	Field to West of Gilman Road	2012	2012	1 *	0
			SU680065	Fort Purbrook Paddock	2004	2004	1	0
			SU681063	Crookhorn Lane, Portsdown Hill	2011	2011	1	9
			SU681065	Fort Purbrook Paddock 1	1996	1996	1 *	0
			SU68140607	East and West of Gilman Road	2011	2011	1 *	0
			SU682062	Fort Purbrook Field South	2010	2010	1	0
			SU682064	Portsdown	2007	2007	1	2
			SU682064	Fort Purbrook Paddock 2	1996	1996	1 *	0
			SU68480620	East and West of Gilman Road	2011	2011	1 *	0
			SU685063	Fort Purbrook Paddock 4	1996	1996	1 *	0
			SU685066	Portsmouth City Golf Course East SINC	2012	2012	1 *	0
			SU68580614	East and West of Gilman Road	2011	2011	1 *	0
			SU686062	Portsdown Hill	2010	2010	1	54
			SU686063	Farlington Redoubt Entrance	2011	2011	1	50
<i>Stachys arvensis</i>	Field Woundwort	IUCN_GB_2001:NT	SU698056	A27(t) Junction At Broadmarsh, Havant	2007	2007	1	0
<i>Thesium humifusum</i>	Bastard-toadflax	NS HBAP	SU6706	Portsmouth Portsdown East Of London Road	2008	2008	1	0

sharing information about Hampshire's wildlife

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		CS	SU672063	Ports Down Nr Hilltop Cresc	1999	1999	1	1
<i>Torilis nodosa</i>	Knotted Hedge-parsley	CR	SU6804	Farlington Marshes	1956	2013	2	0
			SU687047	Farlington Marshes	2011	2011	1	6
			SU7005	Havant Southmoor Lane	2008	2008	1	0
			SU709056	Southmoor Lane In Havant	2005	2005	1	0
<i>Trifolium squamosum</i>	Sea Clover	NS	SU6804	Farlington Marshes	1990	2013	2	0
		HBAP	SU685043	Farlington Marshes	1994	1994	1 *	0
		CR	SU688047	Farlington	1999	1999	1	1
<i>Veronica anagallis-aquatica</i>	Blue Water-Speedwell	CI	SU70480623	Hermitage Stream	2002	2002	1	1
<i>Veronica catenata</i>	Pink Water-Speedwell	CI	SU6804	Farlington Marshes	2013	2013	1	0
			SU684046	Farlington Marshes	2001	2001	1	0
			SU685043	Farlington Marshes	1994	1994	1 *	0
<i>X Agropogon littoralis</i>	Perennial Beard-grass	CR	SU685043	Farlington Marshes	1994	1994	1 *	0
<i>Zostera marina</i>	Eelgrass	IUCN_GB_2001:NT HBAP CR	SU6804	Farlington Marshes	1990	1994	2	1
<i>Zostera noltei</i>	Dwarf Eelgrass	IUCN_GB_2001:VU	SU6704	Shut Lake Area	2004	2004	1	0
		NS	SU6904	Langstone Harbour	1956	2004	3	0
		HBAP CS	SU6905	Langstone Harbour, Bedhampton	2004	2004	1	0
Invertebrates - Coleoptera								
<i>Lucanus cervus</i>	Stag Beetle	EU_Hab_2np NS HBAP NERC_s41	SU6705	Su6705	2002	2002	1	1
			SU673061	Su673061	2006	2006	1	1
			SU673066	Su673066	2007	2007	2	4
			SU675058	Su675058	2002	2002	1	1
			SU676054	Su676054	2006	2006	1	1
			SU679057	Su679057	1998	2007	4	1

sharing information about Hampshire's wildlife

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			SU679058	Su679058	1998	2007	7	1
			SU684060	Su684060	2002	2002	1	1
			SU689059	Su689059	2007	2007	2	1
			SU7106	Havant Area 7106	2002	2002	1	1
			SU7106	Su7106	2002	2002	1	1
Invertebrates - Diptera								
<i>Atylotus latistriatus</i>	Saltmarsh Horsefly	IUCN_GB_pre94:R HBAP	SU68450475	Farlington Marshes Hwt Reserve: Compartment 9	1999	1999	1	1
<i>Lejogaster tarsata</i>	Lejogaster tarsata	NN	SU685045	Farlington Marshes Hwt Reserve	1998	2000	3	0
<i>Myopites eximius</i>	Myopites eximius	IUCN_GB_pre94:R	SU695045	Langstone Harbour Rspb Reserve, North Binness Island	2000	2000	1	1
<i>Myopites inulaedyssentericae</i>	Myopites inulaedyssentericae	IUCN_GB_pre94:R	SU689053	Farlington Marshes Hwt Reserve, Compartment 13	1999	1999	1	1
<i>Odontomyia tigrina</i>	Black Colonel	NN	SU686051	Farlington Marshes Hwt Reserve: Compartment 11	1987	2002	5	5
<i>Pherbellia griseola</i>	Pherbellia griseola	NN	SU686051	Farlington Marshes Hwt Reserve, Compartment 11	1999	1999	2	1
			SU688053	Farlington Marsh Hwt Reserve (n)	2000	2000	1	2
<i>Psacadina verbekei</i>	Psacadina verbekei	NN	SU686051	Farlington Marshes Hwt Reserve, Compartment 11	2000	2000	1	1
			SU688053	Farlington Marsh Hwt Reserve (n)	2000	2000	1	1
<i>Psacadina zernyi</i>	Psacadina zernyi	IUCN_GB_pre94:VU	SU686051	Farlington Marshes Hwt Reserve, Compartment 11	1999	1999	1	1
			SU688053	Farlington Marsh Hwt Reserve (n)	1999	2000	2	1
<i>Solva marginata</i>	Drab Wood-soldierfly	IUCN_GB_pre94:VU NN	SU686051	Farlington Marshes Hwt Reserve: Compartment 11	1999	1999	1	1
<i>Stratiomys potamida</i>	Banded General	NN	SU686051	Farlington Marshes Hwt Reserve: Compartment 11	2002	2003	2	1
			SU688053	Farlington Marshes Hwt Reserve: North Section	1987	1999	2	1
<i>Stratiomys singularior</i>	Flecked General	NN	SU685045	Farlington Marshes Hwt Reserve:	1993	1999	2	6

Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU686048	South Section Farlington Marshes Hwt Reserve: Compartment 4	2000	2000	1	1
			SU686051	Farlington Marshes Hwt Reserve: Compartment 11	1999	1999	1	1
<i>Tetanocera punctifrons</i>	Tetanocera punctifrons	NN	SU685045	Farlington Marhes Hwt Reserve	1999	1999	1	1
<i>Urophora quadrifasciata</i>	Urophora quadrifasciata	HBAP	SU692055	Farlington Marshes Hwt Reserve, Compartment 15	1999	1999	1	1
<i>Vanoyia tenuicornis</i>	Long-horned Soldier	NN	SU686051	Farlington Marshes Hwt Reserve: Compartment 11	1999	1999	1	1
<i>Volucella zonaria</i>	Volucella zonaria	NN	SU688053	Farlington Marshes Hwt Reserve: North Section	1993	2002	2	1
<i>Xanthandrus comtus</i>	Xanthandrus comtus	NN	SU68950535	Farlington Marshes Hwt Reserve: Compartment 14	2002	2002	1	1
Invertebrates - Hymenoptera								
<i>Andrena (Micrandrena) minutuloides</i>	Andrena (Micrandrena) minutuloides	NS	SU6805	Farlington Marshes Nr North Of Road	2002	2002	1	0
Invertebrates - Lepidoptera								
<i>Acronicta psi</i>	Grey Dagger	NERC_s41	SU6706	1-km Square Su6706	2000	2000	1	0
<i>Acronicta rumicis</i>	Knot Grass	NERC_s41	SU6706 SU674068	1-km Square Su6706 Widley	2000 2000	2000 2009	1 69	0 7
<i>Adela croesella</i>	Small Barred Long-horn	CR	SU675065	Crookhorn Golf Course West	2006	2006	1	100
<i>Agrochola lychnidis</i>	Beaded Chestnut	NERC_s41	SU674068	Widley	2005	2006	6	2
<i>Amphipoea oculaea</i>	Ear Moth	NERC_s41	SU674068	Widley	2004	2004	1	1
<i>Apamea remissa</i>	Dusky Brocade	NERC_s41	SU674068 SU68560476	Widley Farlington Marsh	2001 1995	2007 2002	2 3	1 4
<i>Aporophyla lutulenta</i>	Deep-brown Dart	NERC_s41	SU674068	Widley	2005	2005	2	1
<i>Arctia caja</i>	Garden Tiger	NERC_s41	SU674068	Widley	2001	2007	12	2

sharing information about Hampshire's wildlife

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<i>Argyrotaenia ljugiana</i>	Heather Twist	CR	SU674068	Widley	2004	2004	1	1
<i>Atethmia centrigo</i>	Centre-barred Sallow	NERC_s41	SU674068	Widley	2003	2003	1	1
<i>Brachylomia viminalis</i>	Minor Shoulder-knot	NERC_s41	SU674068	Widley	2007	2007	1	1
<i>Caradrina morpheus</i>	Mottled Rustic	NERC_s41	SU674068	Widley	2001	2004	3	1
<i>Celaena leucostigma</i>	Crescent	NERC_s41 CS	SU674068	Widley	2000	2000	1	1
<i>Coenonympha pamphilus</i>	Small Heath	IUCN_GB_2001:NT NERC_s41	SU675063	Portsdown (east)	2009	2009	1	1
			SU677063	Fort Purbrook	2011	2011	1	1
			SU6804	Farlington Marsh North	2007	2007	2	0
			SU6804	Farlington Marshes	2007	2012	11	5
			SU6804	Farlington Marshes Route C Transect: Section No 1	2004	2011	5	1
			SU6804	Farlington Marshes Route C Transect: Section No 2	2001	2011	93	20
			SU6804	Farlington Marshes Route C Transect: Section No 3	2001	2011	86	20
			SU6804	Farlington Marshes Route C Transect: Section No 4	2001	2011	73	18
			SU6804	Farlington Marshes Route C Transect: Section No 5	2001	2011	72	12
			SU6804	Farlington Marshes Route C Transect: Section No 6	2001	2011	51	8
			SU682045	Framlington Marshes	2011	2011	1	20
			SU685043	Farlington Marshes	1995	2009	2	21
			SU685045	Farlington Marshes	1990	2002	9	10
			SU685045	Farlington Marshes Hwt Reserve	2003	2007	2	43
			SU687045	Farlington Marshes Route A Transect: Section No 1	2001	2012	101	26
			SU687047	Farlington Marshes Route A Transect: Section No 5	2001	2010	16	5
			SU687049	Farlington Marshes Route A Transect: Section No 4	2001	2012	73	7

sharing information about Hampshire's wildlife

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU688052	Farlington Marshes Route B Transect: Section No 6	2004	2006	5	1
			SU689045	Farlington Marshes Route A Transect: Section No 2	2001	2012	91	16
			SU689048	Farlington Marshes Route A Transect: Section No 3	2001	2012	65	14
<i>Cryphia muralis</i>	Marbled Green	CS	SU6706	1-km Square Su6706	2000	2000	1	0
			SU674068	Widley	2000	2006	8	3
<i>Cupido minimus</i>	Small Blue	IUCN_GB_2001:NT HBAP NERC_s41 CS	SU675063	Portsdown	2010	2010	2	10
			SU675063	Portsdown (e)	2011	2011	1	8
			SU675063	Portsdown (east)	2009	2009	2	4
			SU675063	Portsdown East	2011	2011	1	8
			SU675063	Portsdown Hill (east)	2003	2007	3	6
			SU675063	Portsdown Hill (footpath South Of Fort Purbrook)	2011	2011	1	3
			SU675063	Portsdown Hill, East	1996	2006	4	11
			SU677063	Fort Purbrook	2011	2012	2	3
			SU677063	Portsdown Hill (footpath South Of Fort Purbrook)	2011	2011	1	3
			SU677063	Portsdown Hill, Fort Purbeck	2004	2004	1	4
			SU677064	Fort Purbrook	2006	2006	1	1
			SU678063	Fort Purbeck	2001	2001	1	0
			SU678063	Fort Purbrook	2011	2012	10	27
			SU679063	Fort Purbrook	2012	2012	1	2
			SU679064	Fort Purbrook	2006	2006	1	1
			SU682063	Portsdown (east)	2009	2009	1	2
<i>Diarsia rubi</i>	Small Square-spot	NERC_s41	SU6706	1-km Square Su6706	2000	2000	1	0
			SU674068	Widley	2000	2007	23	4
			SU68560476	Farlington Marsh	1995	2002	21	14
<i>Ecliptopera silaceata</i>	Small Phoenix	NERC_s41	SU6706	1-km Square Su6706	2000	2000	1	0
			SU674068	Widley	2000	2003	4	1

sharing information about Hampshire's wildlife

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<i>Eilema sororcula</i>	Orange Footman	HBAP	SU674068	Widley	2004	2009	7	6
<i>Elegia similella</i>	White-barred Knot-horn	NS HBAP	SU674068	Widley	2007	2007	2	1
<i>Ennomos fuscantaria</i>	Dusky Thorn	NERC_s41	SU674068	Widley	2003	2008	28	7
<i>Ephestia parasitella</i>	False Cacao Moth	CR	SU674068	Widley	2002	2002	1	1
<i>Epirrhoe galiata</i>	Galium Carpet	NERC_s41 CS	SU674068	Widley	2007	2009	2	1
<i>Epirrhoe rivata</i>	Wood Carpet	CS	SU674068	Widley	2004	2004	1	1
<i>Erynnis tages</i>	Dingy Skipper	IUCN_GB_2001:VU NERC_s41 CI	SU675065	Fort Purbeck	2004	2004	1	2
<i>Eugnorisma glareosa</i>	Autumnal Rustic	NERC_s41 CS	SU674068	Widley	2003	2003	1	1
<i>Eulithis mellinata</i>	Spinach	NERC_s41	SU6706 SU674068	1-km Square Su6706 Widley	2000 2000	2000 2004	1 4	0 2
<i>Eupithecia indigata</i>	Ochreous Pug	CS	SU674068	Widley	2004	2004	1	1
<i>Euxoa nigricans</i>	Garden Dart	NERC_s41 CS	SU674068	Widley	2001	2001	1	1
<i>Furcula bifida</i>	Poplar Kitten	CS	SU674068	Widley	2002	2002	1	1
<i>Gelechia senticetella</i>	Cypress Groundling	CR	SU6704	Farlington, Portsmouth	2005	2005	1	0
<i>Hadena confusa</i>	Marbled Coronet	CS	SU674068	Widley	1999	1999	2	1
<i>Hadena perplexa</i>	Tawny Shears	CS	SU674068	Widley	2006	2006	1	1
<i>Hemistola chrysoprasaria</i>	Small Emerald	NERC_s41	SU6706 SU674068	1-km Square Su6706 Widley	2000 2000	2000 2006	1 13	0 3
<i>Hipparchia semele</i>	Grayling	IUCN_GB_2001:VU NERC_s41	SU6804	Farlington Marshes Route C Transect: Section No 3	2007	2007	1	1
			SU6804	Farlington Marshes Route C Transect: Section No 4	2007	2007	1	3
			SU6804	Farlington Marshes Route C Transect: Section No 5	2007	2007	1	2
<i>Homoeosoma nebulella</i>	Large Clouded Knot-	NS	SU6804	1-km Square Su6804	2000	2000	1	0

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
	horn							
<i>Hoplodrina blanda</i>	Rustic	NERC_s41	SU6706 SU674068	1-km Square Su6706 Widley	2000 1999	2000 2006	1 40	0 6
<i>Hydraecia micacea</i>	Rosy Rustic	NERC_s41	SU674068	Widley	2003	2003	1	1
<i>Lacanobia suasa</i>	Dog's Tooth	CS	SU6706 SU674068	1-km Square Su6706 Widley	2000 2000	2000 2006	1 5	0 4
<i>Limenitis camilla</i>	White Admiral	IUCN_GB_2001:VU NERC_s41	SU6707	Purbrook	2009	2009	1	1
<i>Malacosoma neustria</i>	Lackey	NERC_s41	SU6706 SU674068 SU6804 SU700054	1-km Square Su6706 Widley 1-km Square Su6804 Broadmarsh, Langstone Harbour	2000 1999 2000 2008	2000 2006 2000 2008	1 26 1 1	0 4 0 45
<i>Melanchra persicariae</i>	Dot Moth	NERC_s41	SU6706 SU674068	1-km Square Su6706 Widley	2000 1999	2000 2006	1 14	0 2
<i>Mesoligia literosa</i>	Rosy Minor	NERC_s41	SU674068	Widley	2006	2006	1	1
<i>Metzneria aestivella</i>	Carline Neb	CR	SU6706	Portsdown	1999	1999	1	1
<i>Nephoterix angustella</i>	Spindle Knot-horn	NS	SU674068	Widley	2006	2007	3	2
<i>Pammene gallicana</i>	Purple-shaded Piercer	CR	SU6706	Portsdown	1999	1999	1	0
<i>Panemeria tenebrata</i>	Small Yellow Underwing	CS	SU686051 SU688050 SU689053	Farlington Marshes Hwt Reserve: Compartment 11 Farlington Marshes Hwt Reserve: Compartment 2 Farlington Marshes Hwt Reserve: Compartment 13	2000 2000 2000	2000 2000 2000	1 1 1	1 1 1
<i>Pediasia aridella</i>	Salt-marsh Grass-veneer	NS	SU6804	1-km Square Su6804	2000	2000	1	0
<i>Pediasia contaminella</i>	Waste Grass-veneer	NS	SU6804	1-km Square Su6804	2000	2000	1	0
<i>Pempelia genistella</i>	Gorse Knot-horn	NS HBAP	SU6804	1-km Square Su6804	2000	2000	1	0
<i>Perizoma affinitata</i>	Rivulet	CS	SU674068	Widley	2004	2004	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Polymixis flavicincta</i>	Large Ranunculus	CS	SU674068	Widley	2006	2006	1	1
<i>Polymixis lichenea</i>	Feathered Ranunculus	CS	SU674068	Widley	2002	2007	23	5
<i>Psamathocrita argentella</i>	Silvery Neb	IUCN_GB_pre94:VU	SU6804	Farlington Marshes Nr, Portsmouth	2001	2001	1	0
<i>Rhizedra lutosa</i>	Large Wainscot	NERC_s41	SU674068	Widley	2006	2006	1	1
<i>Scopula marginepunctata</i>	Mullein Wave	NERC_s41	SU674068	Widley	2004	2004	2	1
<i>Spilosoma lubricipeda</i>	White Ermine	NERC_s41	SU6706 SU674068	1-km Square Su6706 Widley	2000 1999	2000 2009	1 64	0 8
<i>Spilosoma luteum</i>	Buff Ermine	NERC_s41	SU6706 SU674068	1-km Square Su6706 Widley	2000 1999	2000 2007	1 82	0 18
<i>Thiotricha subocellea</i>	Eyelet Sober	CR	SU6706	Portsdown	1999	1999	1	1
<i>Tholera cespitis</i>	Hedge Rustic	NERC_s41 CS	SU674068	Widley	2003	2003	1	1
<i>Timandra comae</i>	Blood-Vein	NERC_s41	SU6706 SU674068 SU6804	1-km Square Su6706 Widley 1-km Square Su6804	2000 2000 2000	2000 2007 2000	1 33 1	0 5 0
<i>Tyria jacobaeae</i>	Cinnabar	NERC_s41	SU6706 SU674068 SU678063 SU6804 SU6804 SU6804 SU6804 SU6804 SU681048 SU68950535	1-km Square Su6706 Widley Fort Purbrook 1-km Square Su6804 Farlington Marshes Nr, Portsmouth Farlington Marshes Route C Transect: Section No 3 Farlington Marshes Route C Transect: Section No 5 Farlington Triangle Farlington Marshes Hwt Reserve: Compartment 14	2000 2000 2001 2000 2001 2004 2004 2009 1999	2000 2004 2001 2000 2001 2004 2004 2009 1999	1 3 1 1 1 1 1 1 1	0 1 3 0 0 1 1 0 1
<i>Watsonalla binaria</i>	Oak Hook-tip	NERC_s41	SU674068	Widley	2003	2007	14	7
<i>Xanthia gilvago</i>	Dusky-lemon Sallow	NERC_s41 CR	SU674068 SU702075	Widley 10 St Johns Road, Bedhampton	2006 2004	2006 2004	1 1	1 1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
<i>Xanthia icteritia</i>	Sallow	NERC_s41	SU674068	Widley	2002	2005	3	1
<i>Xanthorhoe ferrugata</i>	Dark-barred Twin-spot Carpet	NERC_s41	SU674068	Widley	2001	2005	2	1
Mammals - Marine								
<i>Phoca vitulina</i>	Common Seal	EU_Hab_2np	SU694047	Langstone Harbour	1999	1999	1	1
		EU_Hab_5 NERC_s41	SU702051	Langstone Harbour	1999	1999	1	1
Mammals - Terrestrial (bats)								
<i>Eptesicus serotinus</i>	Serotine	EU_Hab_4 HBAP WCA_s5s94b WCA_s5s94c HabReg_s2	SU6906	Sensitive	2011	2011	1	2
			SU7006	Sensitive	2008	2008	1	0
<i>Myotis</i>	Unidentified Bat	WCA_s5s94b WCA_s5s94c HabReg_s2	SU6906	Sensitive	2011	2011	1	1
			SU6907	Sensitive	2011	2011	1	2
			SU7006	Sensitive	2008	2008	1	1
			SU7006	Sensitive	2010	2010	1	1
<i>Myotis daubentonii</i>	Daubenton's Bat	EU_Hab_4 WCA_s5s94b WCA_s5s94c HabReg_s2	SU6805	Sensitive	2012	2012	1	1
<i>Nyctalus noctula</i>	Noctule Bat	EU_Hab_4 NERC_s41 WCA_s5s94b WCA_s5s94c HabReg_s2	SU6804	Sensitive	2004	2005	2	10
			SU6805	Sensitive	2012	2012	1	1
			SU7006	Sensitive	2008	2008	1	1
			SU7006	Sensitive	2010	2011	5	2
<i>Pipistrellus</i>	Pipistrelle Bat	WCA_s5s94b	SU677065	Sensitive	2013	2013	1	0

Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
	species	WCA_s5s94c HabReg_s2	SU685055 SU686074 SU688062 SU699074 SU703072 SU704072 SU704077 SU708062 SU709072	Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive	1999 2002 1999 1986 2002 2002 2003 2011 2012	1999 2002 2000 2000 2002 2002 2003 2011 2012	2 1 2 2 1 1 1 4 1	0 1 2 62 1 0 1 2 1
<i>Pipistrellus pipistrellus</i>	Common Pipistrelle	EU_Hab_4 HBAP WCA_s5s94b WCA_s5s94c HabReg_s2	SU678070 SU685045 SU686051 SU686058 SU695067 SU695068 SU695069 SU696067 SU701058 SU707060 SU708062 SU711068	Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive	2013 1963 2012 2013 2010 2011 2011 2011 2008 2008 2010 2012	2013 1999 2012 2013 2010 2011 2011 2011 2009 2009 2011 2012	1 2 1 1 2 1 1 1 2 3 5 2	1 0 1 1 1 1 2 4 1 1 2 1
<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	EU_Hab_4 HBAP NERC_s41 WCA_s5s94b WCA_s5s94c HabReg_s2	SU686051 SU695067 SU695069 SU695070 SU701058 SU707060 SU708062 SU711068	Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive	2012 2010 2011 2011 2008 2008 2010 2012	2012 2010 2011 2011 2008 2009 2011 2012	1 1 1 1 2 3 5 1	1 1 2 2 1 1 1 1
<i>Plecotus auritus</i>	Brown Long-eared	EU_Hab_4	SU686051	Sensitive	2012	2012	1	1

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
	Bat	NERC_s41 WCA_s5s94b WCA_s5s94c HabReg_s2	SU702078	Sensitive	1999	1999	1	1
Mammals - Terrestrial (non-bats)								
<i>Arvicola amphibius</i>	European Water Vole	HBAP NERC_s41 WCA_s5s91(k) WCA_s5s91(t) WCA_s5s94a WCA_s5s94b WCA_s5s94c CI	SU680048	Farlington Marsh Site 9 (2000)	2000	2000	1	0
			SU68020491	St John's College Playing Fields	2009	2009	1	0
			SU68020491	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68070490	Farlington	2012	2012	1	0
			SU68070490	St John's College Playing Fields	2009	2009	1	0
			SU68070490	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68100490	St John's College Playing Fields	2009	2009	1	0
			SU68100490	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68140490	St John's College Playing Fields	2009	2009	1	0
			SU68140490	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68210489	St John's College Playing Fields	2009	2009	1	0
			SU68210489	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68230490	St John's College Playing Fields	2009	2009	1	0
			SU68230490	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68240489	St John's College Playing Fields	2009	2009	1	0
			SU68240489	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68250489	St John's College Playing Fields	2009	2009	1	0

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU68250489	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68260489	St John's College Playing Fields	2009	2009	1	0
			SU68260489	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68270488	St John's College Playing Fields	2009	2009	1	0
			SU68270488	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68330487	St John's College Playing Fields	2009	2009	1	0
			SU68330487	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68390485	St John's College Playing Fields	2009	2009	1	0
			SU68390485	St John's College Playing Fields, Farlington	2009	2009	1	0
			SU68400484	Farlington	2012	2012	1	0
			SU684044	Farlington Marsh Site 19 (2000)	2000	2000	1	0
			SU68450482	Farlington Marshes	2009	2009	2	0
			SU68460479	Farlington Marshes	2009	2009	2	0
			SU685045	Farlington Marshes Hwt Reserve: Compartment 10	1999	1999	1	0
			SU685046	Farlington Marsh Site 17 (2000)	2000	2000	1	0
			SU68510478	Farlington Marshes	2009	2009	2	0
			SU68520477	Farlington Marshes	2009	2009	2	0
			SU68530474	Farlington Marshes	2009	2009	1	0
			SU68530476	Farlington Marshes	2009	2009	2	0
			SU68540472	Farlington Marshes	2009	2009	2	0
			SU686046	Farlington Marsh Site 22	2003	2003	1	0
			SU689043	Farlington Marsh Site 12	2003	2003	1	0
			SU689043	Farlington Marsh Site 6 (2000)	2000	2000	1	0
			SU689044	Farlington Marsh Site 7 (2000)	2000	2000	1	0

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Taxon Name	Common Name	Status	Grid Ref.	Location	First Year	Last Year	No. of Records	Max Count
			SU68960472	Farlington Marshes	2009	2009	2	0
			SU690046	Farlington Marsh Site 8 (2000)	2000	2000	1	0
			SU690049	Farlington Marsh Site 10 (2000)	2000	2000	1	0
			SU690050	Farlington Marsh Site 11 (2000)	2000	2000	1	0
			SU690050	Farlington Marsh Site 12 (2000)	2000	2000	1	0
			SU69010481	Farlington Marshes	2009	2009	2	0
<i>Erinaceus europaeus</i>	West European Hedgehog	NERC_s41	SU673063	Portsdown Hill Road, South Side	2006	2006	1	0
			SU674056	Station Road, Portsmouth	2008	2008	1	0
			SU676051	Grove Road, Portsmouth	2006	2006	1	0
			SU676054	Lealand Road, Portsmouth	2007	2007	1	0
			SU681058	Eveleigh Road, Farlington	2007	2007	1	0
			SU683060	Grant Road	2006	2006	1	0
			SU695069	Scratchface Lane 1	2005	2005	1	0
			SU706076	Purbrook Way, Leigh Park, Havant	2008	2008	1	3
<i>Meles meles</i>	Eurasian Badger	PBA	SU6806	Sensitive	2009	2009	1	1
<i>Muscardinus avellanarius</i>	Hazel Dormouse	EU_Hab_4	SU6907	Sensitive	2007	2007	1	0
		HBAP	SU6907	Sensitive	2007	2007	1	2
		NERC_s41	SU6907	Sensitive	2007	2007	1	2
		WCA_s5s94b	SU6907	Sensitive	2007	2007	1	3
		WCA_s5s94c	SU6907	Sensitive	2007	2007	1	21
		HabReg_s2	SU6907	Sensitive	2009	2009	1	1
		CI	SU6907	Sensitive	2009	2009	1	1

* Indicates some of these records are unconfirmed

Confidential records

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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)
 - -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

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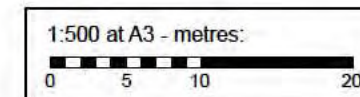
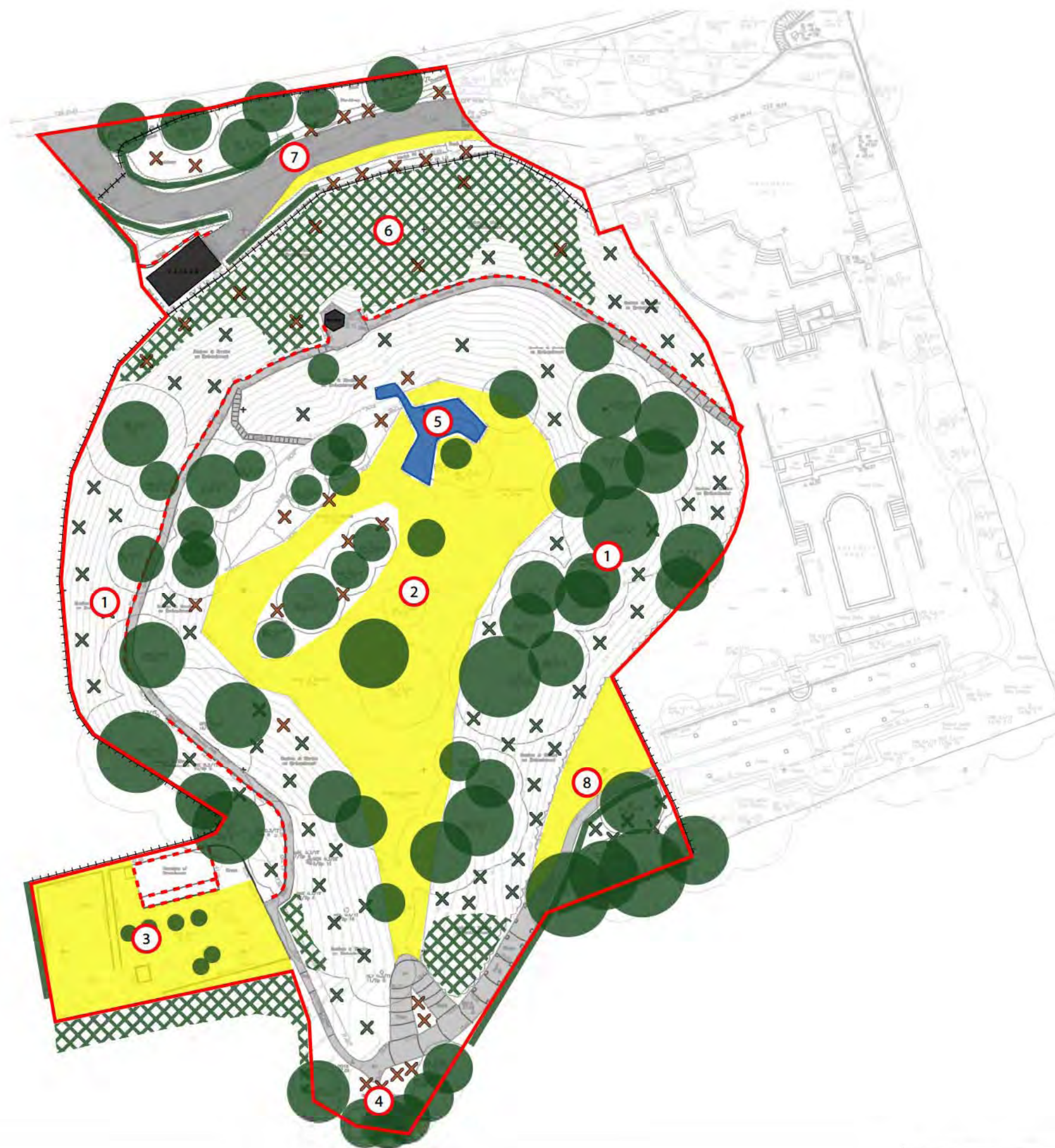
	plant)
PBA	Protection of Badgers Act 1992
NI	National Interest
CR	County Rare
CS	County Scarce
CI	County Interest
nHR	North Hampshire Rare (VC12)
sHR	South Hampshire Rare (VC11)
nHS	North Hampshire Scarce (VC12)
sHS	South Hampshire Scarce (VC11)

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APPENDIX B

Phase 1 Habitat Survey Plan: Map and Target Notes



KEY

- Site boundary
- Amenity grassland
- Scattered trees
- Dense native scrub
- Scattered native scrub
- Introduced shrubs
- Intact species-poor hedgerow
- Pond
- Hardstanding
- Buildings
- Fence
- Brick wall
- Target note

CLIENT:
James Laurence Group

PROJECT:
Portsmouth Hill Road Ecology

TITLE:
Phase 1 Habitat Survey Plan

SCALE AT A3:
1:500

DATE:
March 2014

702.3 / 01

Based on Ordnance Survey mapping with permission of Her Majesty's Stationary Office
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Landscape Architecture
Masterplanning
Ecology

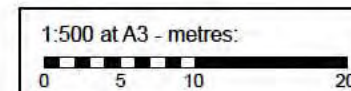
hda

Target Notes:

1. Former quarry pit embankments vegetated with regenerated trees and scrub with a sparse ground flora. The dominant species of tree are Sycamore *Acer pseudoplatanus* and Yew *Taxus baccata*, most of which are early mature specimens, though a few larger mature Sycamore trees do exist. Other occasional species include Cypress *Cupressus* sp., ornamental Cherry *Prunus* sp. and Holly *Ilex* sp. The understorey was sparse and dominated by scattered Elder *Sambuca nigra*. Other species present in the understorey included Holly *Ilex aquifolium*, Common Box *Buxus sempervirens* and Bramble *Rubus fruticosus* agg. as well as a number of introduced species. The ground flora was fairly sparse at the time of survey and was dominated by Ivy *Hedera helix*, mosses and Common Nettle *Urtica dioica*. Other frequent species included Lords-and-Ladies *Arum maculatum*, Dog's Mercury *Mercurialis perennis*, Garlic Mustard *Alliaria petiolata*, Cow Parsley *Anthriscus sylvestris*, Common Ragwort *Jacobaea vulgaris*, Cowslip *Primula veris*, Snowdrop *Galanthus nivalis*, Daffodil *Narcissus* sp. and Crocus *Crocus vernus*.
2. In the centre of the site there are more open areas and paths comprising patchy amenity grassland with ruderals. The dominant grass species were Cocksfoot *Dactylis glomerata* and *Festuca* sp. Other frequent herbaceous species present within areas of amenity grassland throughout the site included Daisy *Belis perennis*, Cow Parsley, Cleavers *Galium aparine*, Creeping Buttercup *Ranunculus repens*, Ragwort, Creeping Thistle *Cirsium arvense* and Ground Ivy *Glechoma hederacea*.
3. South-western area of the site comprising amenity grassland (see 2) with small fruit trees, former vegetable plots and the base of a greenhouse consisting of low rendered brick and concrete walls. The former vegetable plots are now vegetated with amenity grass and frequent ruderals including Creeping Thistle. This area is bordered to the south by dense Bramble scrub and Laurel *Laurus* sp. hedging; to the west by a Privet *Ligustrum vulgare* hedge; and to the north by a wood panel fence.
4. The southern boundary of the site comprises a line of tall Cypress trees with Laurel bushes beneath.
5. A crescent shaped man-made pond in the central area of the site measuring approximately 10m long and 3m wide. The base of the pond is constructed of concrete and the top of the banks comprise rocks and earth giving a natural look. The pond is well established and supports introduced aquatic and marginal plants including Irises *Iris* sp. and Water Lilies *Nymphaea* sp.
6. Scrubby northern slopes of the quarry pit dominated by Elder and Bramble with frequent Butterfly Bush *Buddleia davidii*, Blackthorn *Prunus spinosa* and young Sycamore.
7. The northern area of the site outside of the former quarry pit comprises a disused driveway and a single car garage and formal landscaping. The driveway was previously used as the main access for the residential property to the east of the site and exits onto Portsdown Hill Road in the north-west corner of the site. The western section of the driveway is lined by regularly trimmed Laurel hedging. A hedge comprising a mix of Privet and introduced shrubs extends along the southern boundary of this area from the garage. The northern margin of the site bordering Portsdown Hill Road is planted with scattered trees and shrubs including Yew, Holly, Laurel and other ornamental species. Amenity grassland and non-native shrubs border the driveway to the south at the top of the embankment.
8. The south-eastern area of the site comprises the corner of a formally landscaped garden. The amenity grassland is more intensively managed in this area with a shorter sward and higher proportion of finer leaved grass species such as Fescues. The site boundary bordering the arable fields to the south is planted with a species-poor Privet dominated hedge. The corner of the site supports mature trees and a scrub understorey including Copper Beech *Fagus sylvatica*, Yew, Holly, Laurel, Evergreen Oak *Quercus ilex* and other ornamental species.

APPENDIX C

Phase 1 Bat Scoping and Badger Survey Plan



KEY

 Site boundary

Badger Survey

 Subsidiary sett

 Outlying sett

 Disused sett

 Scratching / foraging signs

 Mammal paths

Phase 1 Bat Survey

 Building with 'low' bat roost potential

 Building with 'negligible' bat roost potential

All trees within and bordering the site have been assessed as having 'Category 3' (negligible) bat roost potential.

CLIENT:
James Laurence Group
PROJECT:
Portsmouth Hill Road Ecology
TITLE:
Phase 1 Bat Survey and Badger Survey Plan
SCALE AT A3:
1:500
DATE:
March 2014

702.3 / 02

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Landscape Architecture
Masterplanning
Ecology



APPENDIX D
Evaluation Criteria

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

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

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