APPENDIX 5

PHASE 1 HABITAT SURVEY (ARTEMIS, NOV 2016)

ARTEMIS

ecological consulting limited

PHASE 1 HABITAT SURVEY

LAND AT FORD, WEST SUSSEX
REDROW HOMES LIMITED AND WATES DEVELOPMENTS

NOVEMBER 2016

[redacted]

Registered Address:
Artemis Ecological Consulting Limited
Nutkin Cottage, Hanover Road, Newton, Christchurch, Dorset, BH23 6JW
VAT Registration No: 209630116

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Executive summary

Artemis Ecological Consulting Limited was appointed by Redrow Homes Limited and Wates Developments to undertake a phase 1 habitat survey and desk-top evaluation of land at Ford, West Sussex.

The Phase 1 survey work was undertaken on 9th and 16th July and 28th August 2015. Further survey work was undertaken 26th August 2016 to cover additional land to the north. The phase 1 survey recorded the key habitat types across the site with a record made of the botanical interest in each area. An assessment was also made of the potential for habitats on site to be used by protected species.

A desktop assessment and records search was undertaken. Records of scarce and notable species within 2km of the site were provided by SBRC. The desktop research returned the following results:

- No SSSIs or SNCIs within 2km of the site.
- Six species of bat have been recorded within the 2km area of the site.
- No records of water vole within the site boundary.
- Great crested newt has been recorded in Yapton over 1km from the site. Records of common lizard, grass snake and slow worm from Burndell Copse, close to the site.
- Records of breeding lapwing and grey partridge in the Yapton and Ford area.
- Recent records of kingfisher and barn owl within the local area.
- Records of stag beetle, white-lettered hairstreak, brown hairstreak and twenty-four species of moth from the area of search.
- Historic record of cornflower and divided sedge in the Ford area.

The majority of the survey area comprises arable fields and extensive areas of hard-standing associated with the former airfield. The arable fields have limited botanical interest. A single specimen of corn parsley was recorded from the corner of one field; no other notable flora was recorded during the survey.

Three stands of unmanaged grassland are present within the site, with a small field in the centre of the site currently cropped for hay. The unmanaged grassland provides the most floristically diverse habitats within the site. The grasslands show strong affinities to MG1 *Arrhenantherum elatius* grassland. The tree belts and scrub that occur alongside the grassland increases the ecological interest of these areas.

A mix of native and non-native hedgerows border the fields, runways and access tracks. The hedgerows are mainly species-poor, comprising either monocultures of introduced species or those where one or two native species dominate. The hedgerows on site would be considered as S41 habitat as they are over 20m long and contain at least 80% of one woody UK native species.

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Narrow strips of woodland plantation are present within the survey area, along with several belts of mature deciduous trees. The woodland plantations would fall with the broadest description of the S41 habitat lowland mixed deciduous woodland, although the small size and isolated nature of the blocks on site does limit their ecological value.

A short length of drainage ditch borders the western boundary of the survey area. Eight buildings, including an old hanger, are present within the survey area. The drainage ditch is considered unsuitable habitat for water vole. Further survey of the buildings has been recommended.

Badger and wintering bird surveys have been and are available as separate reports.

It is recommended that the following surveys be commissioned to support any planning application for the site:

- Dormouse survey
- Phase 1 bat and barn owl survey of the four structures on site and an evaluation of mature trees.
- Bat activity surveys
- Reptile presence and absence survey
- Habitat suitability assessment of off-site ponds for great crested newt
- Breeding bird surveys

1.0 Introduction

1.1 Artemis Ecological Consulting Limited was appointed by Redrow Homes Limited and Wates Developments to undertake a phase 1 habitat survey and desk-top evaluation of land at Ford, West Sussex. The developing Ford Neighbourhood Plan sets out the vision of the Neighbourhood Planning Group for the parish over the period of the Arun Local Plan. An illustrative master plan showing potential development within the survey area has been developed as part of this process (see Appendix 1).

1.2 Jeff Picksley MCIEEM conducted the survey work over three days in July and August 2015 (9th and 16th July and 28th August). Further survey work was undertaken 26th August 2016 to cover additional land to the north. The phase 1 survey recorded the key habitat types across the site with a record made of the botanical interest in each area. During the survey work an assessment was also made of the potential for habitats on site to be used by protected species.

1.3 It should be noted that no targeted protected species survey work was undertaken during the Phase 1 survey, the records of other faunal groups are from incidental observations. Badger and wintering bird surveys have been undertaken and these are available as separate reports.

2.0 Desk-top research

2.1 The Sussex Biodiversity Records Centre (SBRC) were contacted and a request made for the following information within 2km of the site:

- Designated sites (Sites of Special Scientific Interest (SSSI), locally designated Sites of Nature Conservation Interest (SNCI), notable road verge and local geological sites)
- Habitat mapping
- Land management
- Protected species
- Notable birds
- BAP and notable species

2.2 A summary of the results of the records search is set out below. The results of the desk-top survey along with the results of the habitat mapping have been used to evaluate the potential of the site to support protected species and identify the further surveys required to support any subsequent planning application.

2.3 A copy of the SBRC data is included in Appendix 2.

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Land uses

2.4 There are no SSSIs or SNCIs within the 2km search area. The only habitat of note recorded within the site on the habitat mapping held by SBRC is the small reservoir located within the sewage works. The ditch running along the northern boundary of Ford open prison, then turning north to run parallel with Church Road is also mapped as open water.

2.5 The arable land within the site is all currently entering into Entry Level Stewardship.

Mammal records

2.6 There are no records of water vole (*Arvicola amphibious*) within the site boundary. The closest recent records are from an area south of the A259 and east of Climping Street.

2.7 Other notable mammal records within the area of search include a single record of brown hare (*Lepus europaeus*), a solitary harvest mouse (*Micromys minutus*) record from Burndell Copse and numerous records of European hedgehog (*Erinaceus europaeus*).

2.8 Six species of bat have been recorded within the 2km area of search: brown long-eared bat (*Plecotus auritus*), common pipistrelle (*Pipistrellus pipistrellus*), Daubenton's bat (*Myotis daubentonii*), Natterer's bat (*Myotis nattereri*), noctule bat (*Nyctalus noctula*) and serotine (*Eptesicus serotinus*). There are also records of unidentified bats and records of pipistrelle and long-eared bats (*Plecotus* sp) not identified to species level. Bat roosts have been recorded in buildings in Ford and Yapton and records of foraging Natterer's bat, noctule and pipistrelle species have been made from Burndell Copse.

2.9 SBRC does not provide information on records of badger (*Meles meles*) or otter (*Lutra lutra*).

Reptile and amphibian records

2.10 The closest record of great crested newt (*Triturus cristatus*) is over 1km from the site in Yapton. There are records of common lizard (*Zootoca vivipara*), grass snake (*Natrix natrix*) and slow worm (*Anguis fragilis*) from Burndell Copse, close to the old canal east of Yapton. Common toad (*Bufo bufo*) has also been recorded from Burndell Copse.

Bird records

2.11 Notable bird records from the wider area include those of breeding lapwing (*Vanellus vanellus*) and grey partridge (*Perdix perdix*) in the Yapton and Ford area. There are also recent records of kingfisher (*Alcedo atthis*) and barn owl (*Tyto alba*) within the area of search. Scarce farmland passerines such as turtle dove (*Streptopelia turtur*)

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and corn bunting (*Emberiza calandra*) have been recorded within the area of search in the past. In line with declines in breeding numbers across lowland England, recent records of these species with the area of search are rare.

Invertebrate records

2.12 Records of notable records of invertebrates from the area of search include a single record of stag beetle (*Lucanus cervus*) from Yapton, white-lettered hairstreak (*Satyrium w-album*) and brown hairstreak (*Thecla betulae*) butterflies and twenty-four species of moth. The majority of moth species recorded are widespread and in some cases common in Sussex, although all are thought to be undergoing rapid population declines. White-lettered hairstreak requires elm (*Ulmus* sp.) to complete its lifecycle and brown hairstreak requires blackthorn (*Prunus spinosa*).

Botanical records

2.13 There are few notable plant records in the vicinity of the site, with a historic record of cornflower (*Centaurea cyanus*) and divided sedge (*Carex divisa*) in the Ford area.

3.0 Phase 1 habitat survey results

3.1 A summary of the key habitats recorded during the phase 1 survey is provided below. The habitat descriptions should be read with reference to Figure 1 that shows the location of the target notes referred to in the text. A more detailed description of the habitats is provided as extended target notes in Appendix 3.

3.2 The survey area comprises arable fields and extensive areas of hard standing associated with the former airfield. A mix of native and non-native hedgerows border the fields, runways and access tracks, the majority of which are species-poor. A small field in the centre of the site is currently cropped for hay. Areas of unmanaged grassland are present around the periphery of the site; the largest of these is adjacent to the Rudford Industrial Estate outside the site boundary. The developing scrub and tree belts that occur alongside the grassland increase the ecological interest of this area. Much of the scrub in this area has been removed since the original fieldwork was undertaken in 2015.

3.3 Narrow strips of woodland plantation are present within the survey area, along with several belts of mature deciduous trees. A short length of drainage ditch borders the western boundary of the survey area. Six buildings, including an old hanger, are present within the survey area.

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Arable fields

3.4 Field 1 (F1) is an arable field bounded by species-poor hedgerows on two sides. A narrow uncultivated margin surrounds the field a range of common arable species are present within this margin including common mallow (*Malva sylvestris*), mugwort (*Artemisia vulgaris*), field bindweed (*Convolvulus arvensis*), stinging nettle (*Urtica dioica*), cleavers (*Galium aparine*), false oat-grass (*Arrhenatherum elatius*), wild oat (*Avena fatua*) and common couch (*Elytrigia repens*). Less frequently recorded were perforate St John's-wort (*Hypericum perforatum*), black knapweed (*Centaurea nigra*), bittersweet (*Solanum dulcamara*), black horehound (*Ballota nigra*) and hedge bedstraw (*Galium mollugo*).

3.5 Field 2 (F2) is an arable field bounded by hedges. The hedgerow running along Horsemere Green Lane contains a good range of native species. A narrow strip of uncultivated land borders the inner edges of the hedgerows. The field edges support a range of common species including common poppy (*Papaver rhoeas*), common field speedwell (*Veronica persica*), ribwort plantain (*Plantago lanceolata*), yarrow (*Achillea millefolium*), cow parsley (*Anthriscus sylvestris*), cleavers, stinging nettle, false oat-grass, black grass (*Alopecurus myosuroides*), wild oat and soft brome (*Bromus hordeaceus*). Less frequently recorded species along the field margins include red dead nettle (*Lamium purpureum*), groundsel (*Senecio vulgaris*), scentless mayweed (*Tripleurospermum inodorum*), prickly sow-thistle (*Sonchus asper*) and field madder (*Sherardia arvensis*).

3.6 Field 3 (F3) is an arable field bounded by a tall Leylandii hedge on one side. Species recorded along the field margins include bristly ox-tongue (*Picris echioides*), creeping thistle (*Cirsium arvense*), common mallow, hogweed (*Heracleum sphondylium*), cow parsley, perennial sow-thistle (*Sonchus arvensis*), soft brome, common couch and false oat-grass. Other species present along the field margins include scarlet pimpernel (*Anagallis arvensis*), knotgrass (*Polygonum aviculare*), common poppy, fumitory (*Fumaria sp*), common fleabane (*Pulicaria dysenterica*), white campion (*Silene latifolia*), yarrow and annual meadow-grass (*Poa annua*).

3.7 Field 4 (F4) is an arable field bordered by hedgerows. A greater diversity of species is present within the margins of this field, particularly along the inner edge of the hedgerow along Rollaston Park. This hedgerow is planted on an earth bank and species present along the inner edge of the hedgerow include creeping cinquefoil (*Potentilla reptans*), wild carrot (*Daucus carota*), black knapweed, goat's beard (*Tragopogon pratensis*) and white campion. More widespread species within the field margins include bristly ox-tongue, common ragwort (*Senecio jacobaea*), hogweed, field bindweed, spear thistle (*Cirsium*

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vulgare), common couch, false-oat grass, black grass and barren brome (*Anisantha sterilis*).

3.8 There are a couple of small pockets of uncultivated land on the margins of field 4. These areas largely comprise the same species as the wider field margins, but other species noted include prickly lettuce (*Lactuca serriola*), nipplewort (*Lapsana communis*), American willowherb (*Epilobium ciliatum*), field horsetail (*Equisetum arvense*), great willowherb (*Epilobium hirsutum*) and stinging nettle. Corn parsley (*Petroselinum segetum*) was noted in one of the uncultivated corners.

3.9 At the time of survey field 5 (F5) had recently been cut for hay. The field appears to be a sown perennial rye-grass ley. The margins of the field include a range of species that indicate the grassland has not been subject to a significant level of agricultural improvement. Species recorded along the margins of the field include common centaury (*Centaurium capitatum*), black knapweed, yellow-wort (*Blackstonia perfoliata*), selfheal (*Prunella vulgaris*), smooth tare (*Vicia tetrasperma*) and hoary willowherb (*Epilobium parviflorum*).

3.10 A low earth bank runs along the northern edge of the hay field with abundant yarrow, bristly ox-tongue, common poppy, scentless mayweed, hogweed and soft brome recorded.

3.11 Field 6 (F6) is an arable field bounded by hedgerows on two sides. The inner margins of the field include common ragwort, greater burdock (*Arctium lappa*), hogweed, mugwort, cleavers, spear thistle, cow parsley stinging nettle, wild oat, false oat-grass, black grass and cock's-foot (*Dactylis glomerata*). Less frequently noted species include red campion (*Silene dioica*), common fleabane, charlock (*Sinapis arvensis*), creeping cinquefoil, goat's beard and weld (*Reseda luteola*).

3.12 An earth bank is present on the eastern edge of field 6 adjacent to a unit on the industrial estate. The bank is dominated by creeping thistle, common poppy, stinging nettle and common couch. Other species present on the earth bank include swine-cress (*Coronopus squamatus*), scarlet pimpernel, field pansy (*Viola arvensis*), redshank (*Persicaria maculosa*), prickly lettuce, wall barley, (*Hordeum murinum*) and common vetch (*Vicia sativa*).

3.13 Field 7 (F7) forms part of a larger arable field, bordered on the western edge by a line of broad-leaved trees. Species recorded from within the field margins include creeping thistle, common poppy, common chickweed (*Stellaria media*), hedge mustard (*Sisymbrium officinale*), field bindweed, cleavers, wall barley, barren brome, wild oat and common couch. An unmown margin borders part of the access track on the southern edge of the field (see field 8).

3.14 The northern boundary of field 8 (F8) borders private residences with an access track along the southern edge of the field. An unmown

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margin borders the access track. Species recorded from this margin include yarrow, creeping thistle, cow parsley, common mallow, ribwort plantain and false oat-grass.

3.15 Within the margins of the woodland strip on the western boundary of field 8 species including hogweed, spear thistle, stinging nettle, cleavers and bramble (*Rubus fruticosus* agg) dominate along with wild oat and false oat-grass. Less frequently recorded species include hedge woundwort (*Stachys sylvatica*), broad-leaved dock (*Rumex obtusifolius*), black horehound and white bryony (*Bryonia dioica*). Russian vine (*Fallopia baldschuanica*) is present on the boundaries of private residences on the northern boundary.

3.16 A mixed plantation, poplar hedge and areas of dense scrub border Field 9 (F9) on three sides. The inner margins of the field include a range of species typical of many of the other fields within the survey area. Species recorded include great willowherb, hogweed, common ragwort, stinging nettle, cow parsley, perennial sow-thistle, cleavers, false oat-grass, black grass, Yorkshire fog (*Holcus lanatus*) and cock's-foot.

3.17 A large drainage channel forms the southern and eastern boundary of field 10 (F10). A Leylandii hedge forms the western boundary and an access track the northern boundary. Field edge vegetation recorded includes field bindweed, field horsetail, cock's-foot, perennial rye-grass (*Lolium perenne*) and Yorkshire fog with prickly lettuce, ribwort plantain, yarrow, hogweed and curled dock (*Rumex crispus*) less frequently recorded.

3.18 Field 11 (F11) is arable and bounded by the access road to Ford MRF and blocks of broad-leaved plantation to the north and west of the field. Part of the eastern side of the site adjacent to the access road includes a strip of uncultivated land. Species recorded from this uncultivated strip include common ragwort, creeping thistle, ribwort plantain, common poppy, white clover (*Trifolium repens*), prickly ox-tongue, smooth tare, Yorkshire fog and wild oat. Other species present include black medick (*Medicago lupulina*), perforate St John's-wort, swine-cress, scented mayweed (*Matricaria recutita*), scarlet pimpernel and knot-grass.

3.19 Field 12 (F12) is arable, currently planted with maize. A conifer hedge borders the field to the north, hard standing to the east and an industrial estate and new housing to the south. The southern part of the field includes a recently cleared area. Species recorded around the field margins and on the bare earth include lesser swine-cress (*Coronopus didymus*), scented mayweed, bristly ox-tongue, wild oat, redshank, scentless mayweed, hemlock (*Conium maculatum*) and annual meadow grass.

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3.20 Field 13 (F13) is arable; a conifer hedge marks the southern boundary, blocks of the native broad-leaves form the eastern boundary and Ford Lane the northern boundary.

3.21 Field 14 (F14) is arable, currently planted with maize. A species-poor hedge and blocks of native broad-leaved planting form the western boundary, the southern boundary is a species-poor hedgerow and the eastern boundary a line belt of hybrid black poplar (*Populus nigra x Canadensis*). A narrow grass verge running along Ford Lane forms the northern boundary. Species recorded around field margins include false oat-grass, ivy (*Hedera helix*), mugwort, hogweed, creeping thistle, broad-leaved dock, fat hen (*Chenopodium reticulatum*), smooth sow-thistle (*Sonchus oleraceus*), square stalked willowherb (*Epilobium tetragonum*), nipplewort, bristly ox-tongue, Yorkshire fog, wild oat, common field speedwell, herb Robert (*Geranium robertianum*), common ragwort, knot grass, black grass, cock's foot, common couch, redshank, greater burdock, sun spurge (*Euphorbia helioscopia*), black bindweed (*Fallopia convolvulus*), perennial sow-thistle and common fumitory (*Fumaria officinalis*).

Drainage channel

3.22 A large drainage channel forms the southern and eastern boundary of field 10. A small section at the western end of the southern drainage channel showed evidence of being recently cleared (TN23). Species present along the bottom of the channel include creeping buttercup (*Ranunculus repens*), scarlet pimpernel, common fleabane, stinging nettle, bramble, redshank and great willowherb. A matrix of scrub, ruderal vegetation and open grassland has developed on the banks. More notable species present in the areas of grassland include ox-eye daisy (*Leucanthemum vulgare*), common centaury, self-heal and common birds-foot trefoil (*Lotus comiculatus*).

3.23 The more open habitats give way to a stand of goat willow (*Salix caprea*) and dense bramble towards the eastern end of the southern channel (TN24). The stand is dominated by goat willow with occasional alder (*Alnus glutinosa*), guelder rose (*Viburnum opulus*), dogwood (*Cornus sanguinea*), hazel (*Corylus avellana*) and ash (*Fraxinus excelsior*).

3.24 A significant area of the eastern section of the drainage channel has been colonised by buddleja (*Buddleja davidii*) and bramble (TN25), with another dense stand of goat willow at the northern end towards the access track (TN26). The banks of the channel are a mix of scrub and open grassland. Species recorded in the grassland include selfheal, common centaury, rosebay willowherb (*Chamaenerion angustifolium*), red clover (*Trifolium pratense*), black knapweed, common mouse-ear (*Cerastium fontanum*) and common cat's ear (*Hypochaeris radicata*).

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Grassland areas

3.25 There is an extensive stand of unmanaged grassland lying between field 2 and the Rudford Industrial Estate outside the red line (TN10). The grassland contains a wide range of species including ribwort plantain, common ragwort, agrimony (*Agrimonia eupatoria*), smooth tare, teasel (*Dipsacus fullonum*), hoary willowherb, tufted vetch (*Vicia cracca*), ox-eye daisy, silverweed (*Potentilla anserine*), large-flowered evening primrose (*Oenothera glazioviana*), false oat-grass and Yorkshire fog. Patches of bramble are present across the site, becoming quite dense close to the boundary with the industrial estate. A stand of Japanese rose (*Rosa rugosa*) has become established close to the industrial estate (TN13).

3.26 To the south of a belt of broad-leaved trees (TN9), lies a rectangle of grassland that had been recently mown at the time of survey. The grassland area (TN8) runs parallel to Horsemere Green Lane. Species recorded from the grassland include silverweed, common centaury, yarrow, white clover, creeping buttercup, common mouse-ear, curled dock, Yorkshire fog and annual meadow-grass.

3.27 To the west of the line of broad-leaved trees bordering the grassland adjacent to the industrial estate (TN11) is another stand of unmanaged grassland (TN5). Species recorded from this area include black medick, silverweed, ribwort plantain, selfheal, common ragwort, field bindweed, creeping thistle, broad-leaved dock, field horsetail, black grass, creeping bent (*Agrostis stolonifera*), Yorkshire fog, tufted hair grass and false oat-grass.

3.28 A small area of unmanaged grassland is present adjacent to the access track for Ford MRF (TN20). This grassland area is similar to those by the Rudford Industrial Estate. Species recorded include ribwort plantain, creeping thistle, white clover, bush vetch (*Vicia sepium*), hedge bedstraw, black knapweed, black medick, Yorkshire fog, false oat-grass and soft brome.

3.29 There is a small stand of grassland on an earth bank located behind the airfield memorial adjacent to Rollastone Drive (TN56). Species recorded from this bank include yarrow, creeping buttercup, hogweed, black knapweed, goats beard, field bindweed, common bird's-foot trefoil, ribwort plantain, wild carrot, Yorkshire fog and perennial rye-grass.

Woodland and plantation

3.30 There is one small block of woodland in the north of the site (TN41). The range of species present suggest that it is derived from past planting with canopy species including common lime (*Tilia vulgaris*), horse-chestnut (*Aesculus hippocastanum*), ash, sycamore (*Acer pseudoplatanus*), hornbeam (*Carpinus betulus*), pedunculate oak

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(*Quercus robur*), crack willow (*Salix fragilis*) and hybrid black-poplar. The shrub layer comprises hawthorn (*Crataegus monogyna*), blackthorn, elder (*Sambucus nigra*) and common privet (*Ligustrum ovalifolium*).

3.31 The ground flora within the woodland is impoverished and dominated by ivy, with stands of stinging nettle and occasional lord's-and-ladies (*Arum maculatum*). Large areas of bare ground are also a feature of the woodland floor.

3.32 An area of native broad-leaved planting has been established around the compound in the north of the site and along the access track (TN63 and TN69). A wide range of native species are present within these blocks of planting including cherry, field maple (*Acer campestre*), pedunculate oak, beech (*Fagus sylvatica*), privet, apple (*Malus sylvestris*), alder, sycamore, ash, hawthorn, blackthorn, lime, hazel, holly (*Ilex aquifolium*), silver birch (*Betula pendula*), holm oak (*Quercus ilex*), sweet chestnut (*Castanea sativa*), elder, dogwood, grey/goat willow (*Salix cinerea/caprea*), buddleja and bramble.

3.33 Away from the field edges the ground flora within these plantations is very sparse and restricted to more open areas. Species recorded including stinging nettle, bramble, hogweed, Yorkshire fog, traveller's joy (*Clematis vitalba*), bristly ox-tongue, mugwort, false oat-grass, ivy, wild carrot, common fleabane (*Pulicaria dysenterica*), creeping bent, hemp agrimony (*Eupatorium cannabinum*), rosebay willowherb (*Epilobium angustifolium*), cock's-foot, common ragwort and cow parsley.

3.34 A small strip of mixed plantation borders Rodney Crescent. This block is a mix of alder, silver birch (*Betula pendula*), Leylandii or Lawson cypress (*Chamaecyparis lawsoniana*) and aspen (*Populus tremula*) with occasional ash, hazel, hawthorn, blackthorn and cherry (*Prunus avium*) recorded. Aspen dominates the woodland where it borders Ford Road (TN28), with a more diverse mix of species adjacent to Rodney Crescent (TN29).

3.35 The ground flora in the plantation is dominated by species such as hogweed, cleavers, cow parsley and occasional wood dock (*Rumex sanguineus*).

3.36 A short length of plantation woodland separates fields 5 and 6 (TN37). Aspen dominates this strip, with ash and occasional pedunculate oak, silver birch, hawthorn, blackthorn and bird cherry (*Prunus padus*). Hazel is prominent in the understorey. The ground flora is undistinguished due to heavy shading with creeping buttercup and hogweed recorded.

3.37 Two narrow strips of plantation border field 11 (TN15 and TN17). The northern plantation (TN17) borders the runway and is dominated by

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field maple, with silver birch and hybrid black-poplar also frequent. Ash, rowan (*Sorbus aucuparia*) and alder are also present. The ground flora is dominated by false oat grass, cow parsley and stinging nettle.

3.38 The western plantation (TN15) also borders the runway and comprises field maple, elder, hornbeam, rowan, cherry, ash and stands of dense bramble.

3.39 A narrow belt of broad-leaved planting borders the grassland area by the access track to Ford MRF (TN21). Species in the woodland belt include hybrid black poplar, field maple, hornbeam, rowan, ash, alder and silver birch.

3.40 A tree belt runs along the boundary of the site with Ford open prison (TN19). This belt of broad-leaved trees contains hornbeam, alder, field maple, sycamore, ash, Italian alder (*Alnus cordata*), elder, rowan and whitebeam (*Sorbus aria*).

Hedgerows and tree belts

3.41 The hedgerows bordering field 1 (TN52 and TN53) are largely dominated by hawthorn with occasional hazel, elder, ash, bramble, ivy and hedge bindweed (*Calystegia sepium*) recorded.

3.42 The hedgerow bordering field 2 along Yapton Road (TN1) is species-poor comprising largely hawthorn and ivy. There are three horse chestnut and two common lime present within the hedge line. The hedgerow running along Horsemere Green Lane (TN2) is one of the most species-rich within the survey area containing blackthorn, honeysuckle (*Lonicera periclymenum*), common privet, spindle (*Euonymus europaeus*), elder, hawthorn, dogwood, ash and elm.

3.43 Further along Horsemere Green Lane (TN7) the hedgerow is reduced to a line of mature sycamore and pedunculate oak with a broken understorey of blackthorn, ash, elder, dogwood and bramble. Other species noted in this section include red campion, white bryony and hedge woundwort.

3.44 Leylandii[1] hedgerows are present on the boundaries of sections of field 3 (TN14), field 4 (TN49 and TN50), field 7 (TN39), field 6 (TN44), field 10 (TN22) and field 12 (TN61).

3.45 A species-poor hedgerow borders field 4 along Rollastone Drive (TN51). This hedgerow is dominated by hawthorn with occasional dogwood and bramble noted. The section bordering the industrial estate (TN47) is slightly more diverse with species recorded here including hawthorn, field maple, spindle, blackthorn and hazel.

[1] Due to the difficulty of distinguishing between cultivars of Lawson cypress and Leylandii, identification of these species should be confirmed by reference to the tree survey

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3.46 The hedgerow running along the western edge of field 6 (TN46) is relatively diverse containing spindle, blackthorn, field maple, hawthorn and dogwood, with occasional ash and hazel. The northern section of this hedgerow is Leylandii (TN44).

3.47 The northern border of field 6 contains a wide range of species, some of which overhang the fenced boundary (TN42 and TN43). Species recorded along this edge include hazel, ash, beech, laurel (*Prunus laurocerasus*), sycamore, horse chestnut and poplar on the edge of the compound. The hedge line separating the arable field is a mix of beech, sycamore, laurel, whitebeam and occasional mature willows.

3.48 A well-maintained hedge line of hybrid black poplar borders the southern edge of field 9 (TN27). The western edge of the field is bordered by large bund (TN33 and TN34) covered with scattered scrub including hawthorn, bramble, elder and buddleja. The rest of the bund is covered with ruderal vegetation including stinging nettle, spear thistle, hogweed, greater burdock and bristly ox-tongue. To the south of the access into field 5 (TN35) the boundary is formed by native species within the compound including hawthorn, silver birch, hazel, ash and goat willow.

3.49 A line of mature trees and developing understory separates fields 7 and 8 (TN 32). The canopy is dominated by poplar and sycamore with holm oak at the northern end. The understorey comprises elm, sycamore regeneration and bramble with occasional elder.

3.50 To the west of Rudford Industrial Estate a mature tree belt runs parallel to Horsemere Green Lane (TN9). The canopy trees are predominantly white poplar (*Populus alba*) and aspen with common lime, sycamore, ash, pedunculate oak, whitebeam and silver birch also present. Blackthorn, hawthorn and bramble are the primary constituents of the understorey.

3.51 Another tree belt (TN11) runs north south from the western end of tree belt (TN9). This tree belt contains a wide range of species including holly, white poplar, ash, field maple, common lime, cherry, whitebeam, rowan, sycamore, aspen and cockspur thorn (*Crataegus crus-galli*).

3.52 A defunct hedge reverting to scrub borders the new development (TN60). Blackthorn, elder and bramble are the most frequent species with occasional white bryony and buddleja.

3.53 A species-poor hedgerow, dominated by hawthorn, runs south along the eastern side of the access track leading to the northern compound (TN68). Other species recorded include occasional blackthorn, field maple, sycamore, willow, holly and ash.

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3.54 A tree belt of hybrid black poplar runs north south along a bank separating F7 and F14 (TN65). A number of other species are present in the understorey including hawthorn, sycamore, ash, horse chestnut, English elm (*Ulmus procera*), narrow-leaved ash (*Fraxinus angustifolia* cf), hawthorn, field maple, hazel and holly. An impoverished ground flora is dominated by ivy and bramble.

3.55 Recent shrub planting has been established on a bund surrounding a compound on the north-eastern edge of F14 (TN66). Shrub species present include laurel, dogwood, hawthorn, hazel and dog rose (*Rosa canina*).

Buildings

3.56 A small number of buildings are present on site including a former hanger (TN3), two small brick buildings on the runway and five large industrial sheds. A small underground shelter located at the end of one of the runway aprons (TN40) outside the red line. The relevance of these features for protected species is discussed in section 4.

4.0 Protected species assessment

Badgers

4.1 The information provided by SBRC does not include records of badgers. No evidence of badgers was recorded on site during the phase 1 survey. The site provides few suitable sites for badgers to construct setts with areas such as the woodland block (TN41) in the north of the site and the scrub along the earth bund (TN33) considered areas of potential habitat.

4.2 Mid-summer is not the ideal time to survey for evidence of badger activity. Field signs may also be sparse if there are no other badger groups in the immediate vicinity. The absence of field signs during the phase 1 survey would suggest that the site is not regularly used by badgers, however, their absence from the site cannot be conclusively demonstrated at this stage.

Water vole

4.3 The records from the SBRC showed that water vole are still present in this part of Sussex. The most recent records come from lower lying land south of the A259 or further east towards the River Arun. There are no records of water vole from the survey area.

4.4 The survey area contains one short length of ditch that borders field 10 (TN23 to TN26). The ditch held no water at the time of survey and the plant communities recorded would indicate that this ditch is dry for much of the year. Given the isolated nature of the ditch, and the

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unsuitability of the habitats present along the ditch, it is not thought likely that water vole are present on site.

Dormice

4.5 The site contains numerous hedgerows and small blocks of native broad-leaved trees. These are fragmented in the landscape and do not connect to other more extensive woodland, scrub and hedgerow habitats beyond the survey area.

4.6 Research into dormice (*Muscardinus avellanarius*) has demonstrated that this species occurs in a wide range of habitats including conifer plantations, coastal scrub, heathland and reedbeds. Although the habitats on site appear sub-optimal for dormice their absence from the survey area cannot be conclusively demonstrated at this stage.

Bats

4.7 The records provided by SBRC confirm the presence of a number of commoner bat species within the wider area. The habitats on site provide a range of foraging opportunities for bats with the areas of semi-improved grassland, plantation woodland and hedgerows likely to prove attractive to both foraging and commuting bats.

4.8 There are a number of mature trees within the site that could offer roosting opportunities for bats. Trees with ivy or other creepers on the tree or those with cracks, splits and holes can provide roosting sites. Species known to roost in trees such as noctule and Natterer's bat have been recorded locally.

4.9 The underground structure (TN40) could provide a roost location for bats, although the open frontage may mean it is only suitable as a temporary roost site. The two buildings situated on the former runway are currently in good condition and opportunities for bats to access these through broken tiles, loose fascia's or holes in soffits appears limited. The former aircraft hanger (TN3) has plenty of access points into the structure through holes in the exterior sheeting. It is not known if the interior of the hanger would provide suitable roosting locations for bats.

4.10 Access to the two industrial units to the north of the site was not possible as they sit within a secure compound. These units are unlikely to offer significant roosting opportunities for bats.

Common reptiles and great crested newts

4.11 There are a number of features within the site that provide suitable habitat for common reptiles (grass snake, common lizard and slow worm). The areas of unmanaged grassland offer the best quality habitat, but all three species will also use uncultivated field margins,

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woodland edges and earth banks. Studies in Dorset have shown that the annual range of grass snake varies between 1.29 to 3.56ha. These ranges can shift both seasonally and annually. In the Dorset study, grass snake showed a strong preference for habitat interfaces (e.g. woodland and fields) and most hibernation sites were located within banks in woodland.

4.12 The information from the SBRC has shown that all three species occur in suitable habitat in the wider areas with records coming from Blundell Copse close to the site. The presence of common lizard on site was confirmed by a sighting of an adult animal in the area of rough grassland by the access track to Ford MRF (TN20).

4.13 The SBRC data confirmed the presence of great crested newt in the wider area. The closest records were more than 1km from the site. Great crested newt are thought to spend the majority of the terrestrial phase of their lifecycle in suitable habitats within 250m of breeding ponds, although for assessment purposes a 500m buffer is used. Dispersal over distances greater than 1km has been recorded. Suitable terrestrial habitat includes woodland, scrub and rough grassland. Hedgerows in arable habitat provide both foraging and dispersal habitat.

4.14 The OS base shows two ponds on the banks of the River Arun east of Ford Road and two in the housing on Horsemere Green Lane that could potentially support breeding great crested newt. These ponds are within 500m of the survey area boundary. A large water body, probably an irrigation reservoir, is located in the grounds of Ford open prison.

Birds

4.15 The aircraft hanger may offer a potential breeding or roosting site for barn owl (TN3). The arable fields and rough grassland offers good hunting habitat for this species, which is also know to breed in hollow trees. The drainage channel (TN23 and TN25) is not considered suitable breeding habitat for kingfisher.

Invertebrates

4.16 The SBRC database holds a single record of stag beetle for the wider area. This species requires decaying wood to complete its lifecycle. It is unlikely that the site will support breeding stag beetles, although some of the plantations and woodland belts may have sufficient dead wood to provide breeding sites for this species.

5.0 Other species

5.1 During the phase 1 survey casual records were made of birds and butterflies encountered on site. Forty-one different bird species were

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recorded and fourteen species of butterfly. Although neither set of records represent a comprehensive survey, they do give an indication of the range of species present on site.

5.2 Eight species of bird recorded are on the Birds of Conservation Concern (BoCC) red list and fourteen are on the BoCC amber list. Red list species considered likely to be breeding on site include skylark (*Alauda arvensis*), song thrush (*Turdus philomelos*) and yellowhammer (*Emberiza citronella*). A grey partridge with young was flushed from field 2 confirming breeding on site. Amber list species considered likely to breed on site include whitethroat (*Sylvia communis*) and dunnock (*Prunella modularis*). The site attracts small numbers of gulls including herring gull (*Larus argentatus argenteus*), Mediterranean gull (*Larus melanocephalus*) and common gull (*Larus canus*) (all of these are amber list species). A full list of bird species recorded is included in Appendix 4.

5.3 The SBRC database includes records of scarce farmland birds such as lapwing, corn bunting and turtle dove. The site contains habitat for all three species, with the suitability of the arable fields for nesting lapwing likely to vary depending on the cropping regime.

5.4 The butterfly species recorded on site are all widespread and common in the wider countryside. The majority of species (skippers and browns) recorded use common grasses for larval food plants. Comma (*Polygonia c-album*), red admiral (*Vanessa atalanta*) and peacock (*Aglais io*) all use stinging nettle as a larval food plant. A full list of butterfly species recorded is included in Appendix 5.

6.0 Evaluation of Phase 1 survey results

6.1 The majority of the survey area comprises arable fields with limited botanical interest. A single specimen of corn parsley was recorded from the corner of field 4. This species features on the Sussex rare species inventory and has been recorded a number of times in the local area. No other notable flora was recorded during the survey.

6.2 A single orchid spike (*Dactylorhiza sp*) was recorded in the grassland immediately adjacent to the aircraft hanger by field 2 (TN3). The flowering head was desiccated making identification difficult. It is considered likely that it is a common spotted orchid.

6.3 The unmanaged grassland provides the most floristically diverse habitats within the site. The grasslands show strong affinities to MG1 *Arrhenantherum elatius* grassland. Across the site different stands show affinities to various sub-communities found within this habitat type; the differences in sub-communities are determined by the relative abundance of different species. MG1 grassland is one of the most widespread grassland habitats and ubiquitous throughout lowland

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England (Rodwell, 1992). If left unmanaged, MG1 grassland is a temporary stage on the succession to scrub and ultimately woodland. Some of the stands within the survey area are already being colonised by scrub.

6.4 The botanical interest of the recently cut hay field (F5) is difficult to determine, but the margins contain species that indicate the field has not be subject to intensive management.

6.5 The blocks of woodland plantation and tree belts have limited botanical interest, although the majority of them contain mostly native species. The restricted width of the blocks of planting means the ground flora is heavily influenced by the surrounding land use, most areas have been colonised by grasses and arable weeds.

6.6 The drainage ditch bordering field 10 supports areas of semi-improved grassland. The ditch banks are subject to encroachment by scrub, although at the present time grazing pressure from rabbits is keeping the sward short, helping to maintain areas of greater floral diversity along the ditch banks.

6.7 The hedgerows within the site are mainly species-poor, comprising either monocultures of introduced species or those where one or two native species dominate. Very few hedgerows on site contain mature trees. The most species-rich hedgerow borders field 2 along Horsemere Green Lane (TN2). The hedgerows bordering the industrial park off Rollastone Drive (TN46 and TN47) are more diverse than many of the hedgerows across the site. It is thought these are the result of new planting associated with the industrial estate.

6.8 Section 41 of the Natural Environment and Rural Communities (NREC) Act, 2006 requires the publication of a list of habitats that are of principal importance for the conservation of biodiversity in England. The habitats recorded on site are considered to be of local value with the semi-improved grassland the most ecologically notable habitat within the survey area.

6.9 Arable field margins are a S41 habitat. The field margins surveyed a not sufficiently wide to be considered as the S41 habitat. The recommendation for identifying arable field margins is that herbaceous vegetation within 2m of a living boundary, such as a hedgerow, is considered as part of the boundary habitat. The field margins on site are mostly within 2m of the hedgerow or less than 2m wide, although many commoner species associated with this S41 habitat persist in the margins of the cropped area.

6.10 The hedgerows on site would be considered as S41 habitat as they are over 20m long and contain at least 80% of one woody UK native species. The woodland plantations would fall with the broadest description of the S41 habitat lowland mixed deciduous woodland,

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although the small size and isolated nature of the blocks on site does limit their ecological value. It is not recommended that the woodland blocks be considered to be S41 habitat.

6.11 Japanese rose was recorded from developing scrub adjacent to the Rudford Industrial Estate outside of the red line (TN13). This species is included on schedule 9 of the Wildlife and Countryside Act (1981, as amended). It is an offence under Section 14 of the Act for any person to plant or otherwise cause to grow in the wild any plant which is included in Part II of Schedule 9. It should be noted that the Act does not impose an explicit obligation to manage Schedule 9 species not introduced onto land by the landowners own actions, however the scope of the phrase 'causes to grow' is not clearly defined.

7.0 Potential use of the site by protected and other notable species

7.1 No evidence of badgers was recorded during either phase 1 survey, although mid-summer is a sub-optimal time to undertake badger surveys. Although suitable locations for setts appear to be limited the hedgerows, plantation woodland, arable fields and areas of unmanaged grassland all offer potential foraging habitat for badgers.

7.2 A badger activity survey was undertaken in November 2015 and no evidence of badger activity was recorded on the site.

7.3 The ditch running along the edge of field 10 is not considered to be suitable habitat for water vole. This is the only length of ditch within the survey area and is some distance from known water vole colonies in the wider area. It is not considered likely that this species is present on the site.

7.4 Although the hedgerows and woodland on site is limited in extent it is possible that the survey area could support dormice. Dormice will feed on flower buds, immature inflorescences and catkins in spring moving onto berries, nut and winged seeds in late summer and autumn. Within the site there is sufficient diversity of species known to be food sources for dormice, such as pedunculate oak, hazel, bramble, honeysuckle, hawthorn and blackthorn, to suggest the survey area could support dormice.

7.5 Foraging bats will exploit the matrix of hedgerows, woodland plantations, tree belts and rough grassland. The site also has the potential to support bat roosts. Bat roosts are considered most likely to occur in the mature trees present on site, although the buildings on site do offer limited potential. Favoured areas for foraging bats are likely to be along hedgerows, within and around the woodland blocks and tree belts and over areas of unmanaged grassland.

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7.6 The Phase 1 survey confirmed the presence of common lizard within the survey area. The areas of unmanaged grassland offer the best quality reptile habitat on site although the margins of the arable fields may also be used, particularly where they run alongside hedgerows and woodland plantation. The apron of the former runway provides ideal basking sites for species such as common lizard.

7.7 Although there are no confirmed records of great crested newts within 1km of the site a desk-top assessment has identified a number of water bodies within 500m of the site boundary that could have the potential to support breeding great crested newt. If the presence of great crested newt were confirmed from these ponds it would increase the likelihood of this species utilising terrestrial habitat within the site.

7.8 The hedgerows and arable fields within the survey area provide suitable foraging and breeding habitat for a wide range of birds. There is potential for the aircraft hanger or any hollow trees on to support breeding barn owl. The arable fields will provide breeding habitat for skylark and possibly lapwing. Other species of conservation concern such as grey partridge and song thrush have been recorded on site. Given the occurrence of recent records of species such as corn bunting in the wider area consideration should be given to the possibility this species may occur on site.

7.9 The arable fields could potentially support wintering birds such as lapwing and golden plover (*Pluvialis apricaria*); both species utilise arable habitat for feeding and roosting during the winter. The proximity of the site to the Arun Valley increases the likelihood of these species occurring. Two ringed plover (*Charadrius hiaticula*) were recorded flying over the site during the final field visit. Field margins and stubbles would also provide a food source for wintering passerines such as skylark, yellowhammer and linnet (*Carduelis cannabina*).

7.10 A wintering bird survey was undertaken between November 2015 and February 2016. No wintering populations of waders were recorded using the site.

7.11 The survey area offers a range of potential habitats for invertebrates with the areas of unmanaged grassland supporting populations of commoner butterflies. Scarcer invertebrates recorded in the wider area include stag beetle, white-lettered hairstreak and brown hairstreak. The site provides potentially suitable habitat for all three species, albeit limited in extent.

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8.0 Recommendations

8.1 It is recommended that the following surveys be commissioned to support any planning application for the site:

- Dormouse survey
- Phase 1 bat and barn owl survey of the four structures on site and an evaluation of mature trees
- Bat activity surveys
- Reptile presence and absence survey
- Habitat suitability assessment of off-site ponds for great crested newt
- Breeding bird surveys

8.2 Given the lack of badger activity it recommended that the current badger survey is up-dated every two years. Badger surveys are best conducted between October and March when vegetation on site has died back. As territorial activity tends to increase during the spring, February and March would be the optimal time to survey.

8.3 Dormouse surveys can be conducted between April and October. The survey involves the distribution of nest tubes every fifteen to twenty metres in suitable habitat (hedgerows, scrub and woodland) across the site. These tubes are then checked on a regular basis to determine if dormice are using them.

8.4 Phase 1 evaluation of buildings for bats involves an external and internal inspection of buildings to identify possibly features that could be used by roosting bats and to search for evidence of occupation. Buildings with potential roosting opportunities or where use is confirmed will require further survey. Phase 1 building surveys can be undertaken at any time of the year.

8.5 Tree assessments are generally best undertaken in late autumn or winter when deciduous trees have shed their leaves. Inspections are generally done from ground level in the first instance. Trees identified as having potential to support bat roosts will require further survey work. It is useful to have tree removal and retention plans prior to undertaking tree assessments to ensure the work is undertaken in a cost-effective manner.

8.6 Trees or buildings identified as having potential to support bats will require further survey if affected by the proposals. Dusk emergence and dawn re-entry surveys would generally be required with the level of survey needed determined by how suitable the building or tree is for roosting bats. The current guidelines indicate that those with the highest potential require three surveys (three dusk and/or pre-dawn re-entry surveys) with those with the low potential requiring a single dusk and /or pre-dawn re-entry survey. These surveys are undertaken between May and September.

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8.7 Bat activity surveys will be required to establish both the species of bat using the site and current levels of use. These surveys are undertaken throughout the main activity period for bats running from April through to September. The current guidelines for surveying large sites of medium habitat quality transect surveys should be undertaken once a month between April and September, with static detectors deployed monthly (two per transect) over the same period to collect data for five consecutive nights.

8.8 Reptile surveys will be required to determine the range of reptiles present on site and to give an indication of the potential size of the population. Survey work can be undertaken between April and September. Surveys undertaken in April-May or August-September will coincide with the optimal survey periods. A minimum of seven visits is required to establish presence or absence of reptiles with further visits needed in order to estimate population size.

8.9 A habitat suitability index (HSI) assessment of ponds off-site will be required given the presence of great crested newt in the wider area. This assessment technique gives a measure of habitat suitability; in general ponds that score highly are more likely to support great crested newts than low scoring ponds. This assessment technique is used to identify where further survey effort should be targeted. Presence/absence surveys of breeding ponds can only be undertaken between mid-March and mid-June; HSI assessments should be done in advance of the presence/absence survey window as suitable ponds i.e. those with a high HSI score will require further survey (if accessible).

8.10 It is recommended that a bird surveys be undertaken to determine the level of use of the site by species of conservation concern. The breeding bird survey would be a scaled down version of the Common Bird Census methodology, with five visits being undertaken rather than ten. Survey visits would be undertaken at regular intervals between March and May.

8.11 Guidance produced by Natural England (formerly English Nature) states that there are "no hard and fast rules about when invertebrate surveys should be requested from a developer, but any site that may have 'good' invertebrate interest should be examined in some way". The areas of unmanaged grassland originally identified as most likely to provide better quality invertebrate habitat are located outside of the red line area (TN10) and have been cleared since the original 2015 survey. It should be noted that the current master plan iteration does not show development on the most extensive area of unmanaged grassland within the survey area and no further work on invertebrates is recommended.

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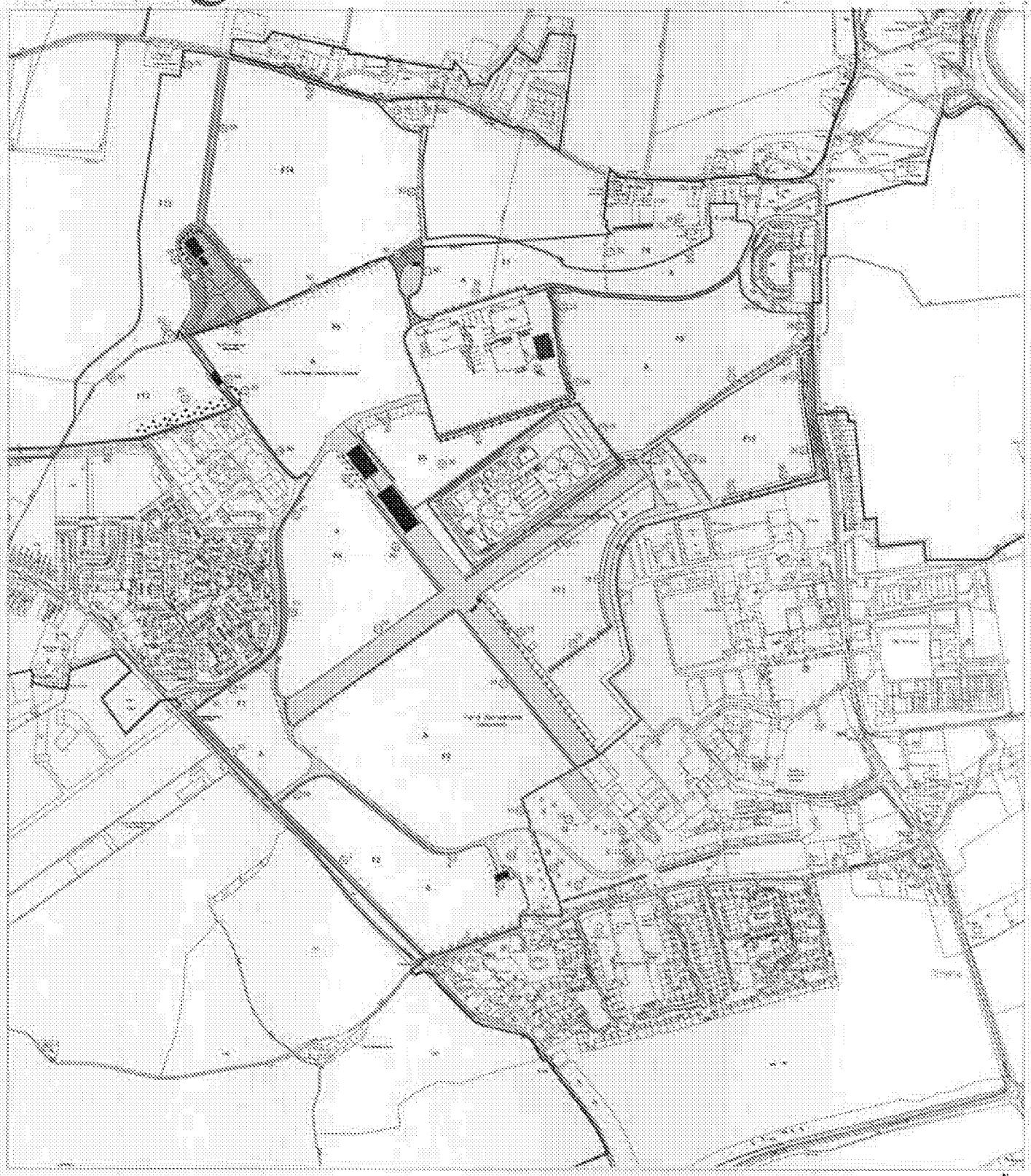
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Site Boundary
Other Land in Ownership
Introduced Scrub
Ruderal
Conifer
Broad-leaved Tree
Hard Standing
Earth Bank
SI Semi-improved Grassland
A Arable
Species-poor Hedge
Species-poor Hedge with Trees
Native Species-rich Hedge
Scattered Scrub
Wall
Building
Fence
Dense Scrub
Broad-leaved Plantation
Mixed Plantation
Broad-leaved Woodland
Bare earth
Spoil

FORD AIRFIELD, YAPTON

SITE BOUNDARY PLAN

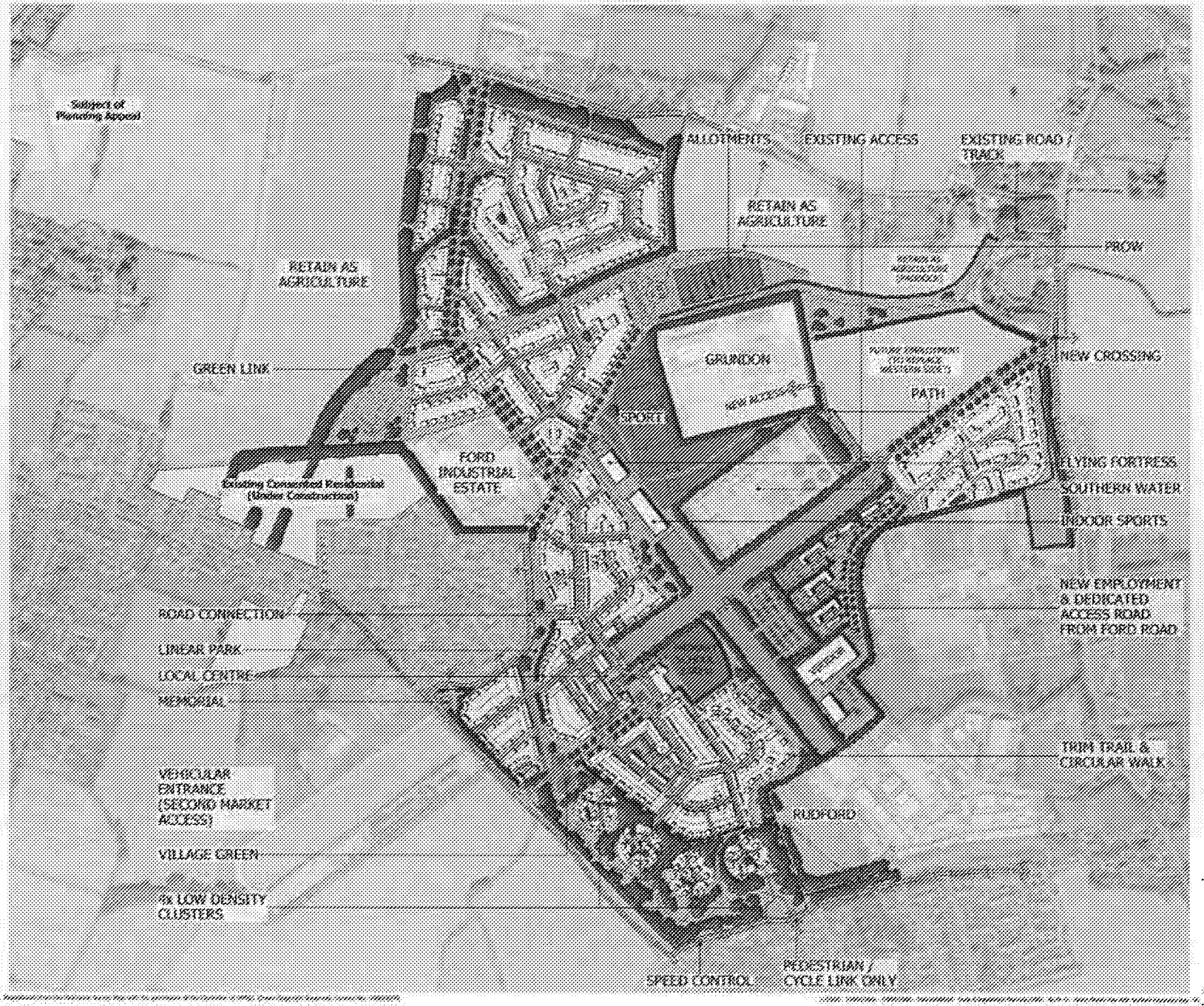
ARTEMIS

BARTON WILLMORE

Appendix 1: Draft illustrative master plan

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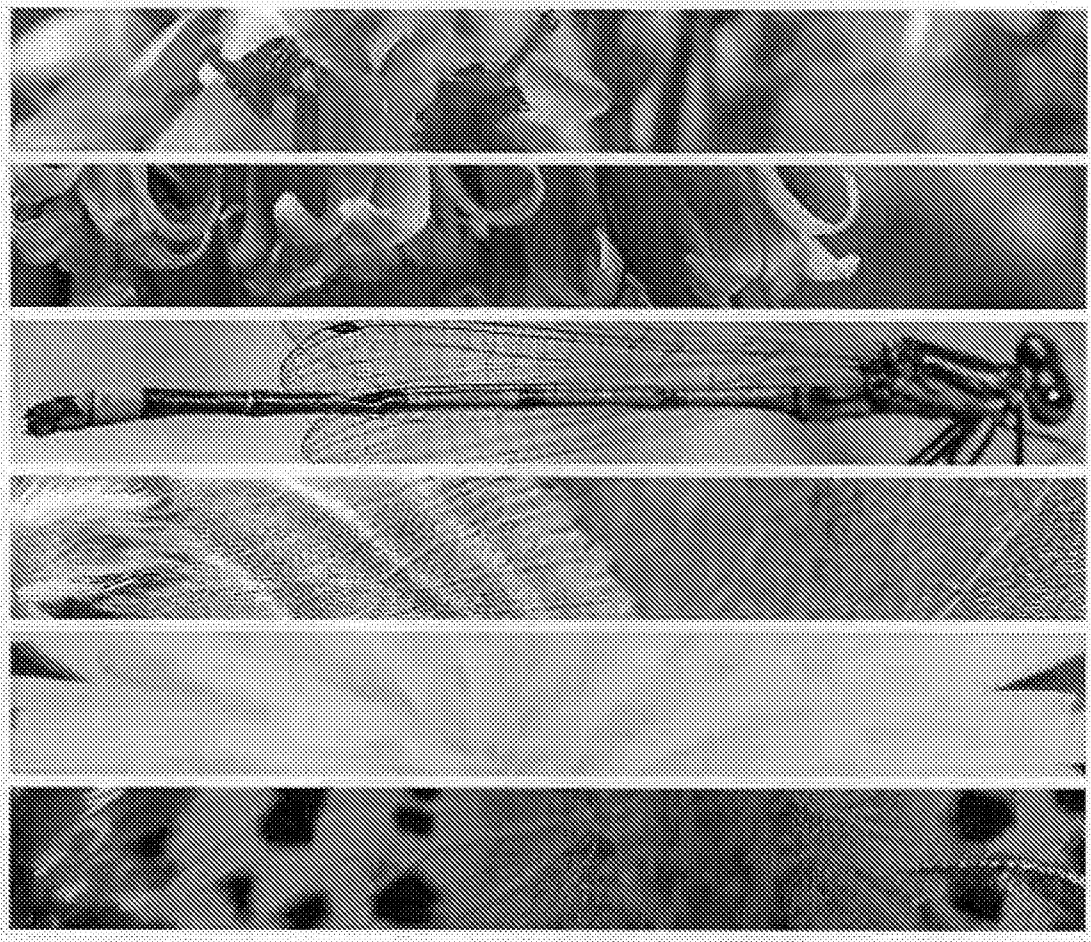
FORD
NEIGHBOURHOOD PLAN

SKETCH MASTER PLAN
WITH NORTHERN EXPANSION

BARTON WILLMORE

Appendix 2: SBRC data

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Desktop Biodiversity Report

Land at Ford Airfield + 2km radius

ESD/15/495

Prepared for Jeff Picksley (Artemis Ecological Consulting)

20th July 2015

Sussex Biodiversity Record Centre

ARUN DISTRICT COUNCIL F/19/18/EIS

Sussex Biodiversity Record Centre
report regarding
land at Ford Airfield + 2km radius
20/07/2015

Prepared for Jeff Picksley
Artemis Ecological Consulting
ESD/15/495

The following information was requested:

Maps	☑
Sussex Protected Species Register	☑
Sussex Bat Inventory	☑
Sussex Bird Inventory	☑
UK BAP Species Inventory	☑
Sussex Rare Species Inventory	☑
Sussex Invasive Alien Species	☑
Full Species List	☑
Environmental Survey Directory	☑

SNCI
None

SSSI
None

Other Designations/Ownership
Environmental Stewardship Agreement;

Habitats
Ancient woodland; Coastal and floodplain grazing marsh; Coastal saltmarsh; Intertidal mudflat; Lowland fen; Reedbed; Traditional orchard.

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Important information regarding this report

It must not be assumed that this report contains the definitive species information for the site concerned.

The species data held by the Sussex Biodiversity Record Centre (SxBRC) is collated from the biological recording community in Sussex. However, there are many areas of Sussex where the records held are limited, either spatially or taxonomically.

A desktop biodiversity report from SxBRC will give the user a clear indication of what biological recording has taken place within the area of their enquiry. The information provided is a useful tool for making an assessment of the site, but should be used in conjunction with site visits and appropriate surveys before further judgements on the presence or absence of key species or habitats can be made. It may be that the content of this report guides the reader as to which surveys should be carried out on the site.

This report was compiled using data held at SxBRC at the time of production. SxBRC takes data validation very seriously, but cannot be held responsible for the accuracy of data included in this report.

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The Sussex Biodiversity Record Centre must be acknowledged in all documents containing any part of the information contained in this report. You can also use the whole of a SxBRC report (unedited) as an appendix in your own report.

The SxBRC operates as agent to the individuals and groups who provide their records free of charge. The data suppliers retain copyright on their data, while SxBRC retains copyright on its desktop biodiversity reports.

Data usage

The data contained within this report is for use in the project for which the data was requested. It is not to be shared with third parties for use in other projects, unless permission is granted from SxBRC.

The data may be used for 12 months, after which a replacement SxBRC report must be requested. This ensures the most up-to-date information is being used.

Ordnance Survey maps

Members of the public wishing to reproduce maps made by SxBRC under East and West Sussex County Council or Brighton and Hove City Council licences must use copying facilities that have been authorised by Ordnance Survey (OS). Further information can be found on the OS website.

Impartiality

SxBRC functions as custodian of biological data. Our role is to collect, manage and disseminate wildlife and habitat data. As such, we have to remain impartial and cannot offer opinions on the biodiversity value of a given site. Similarly, we cannot put forward objections to planning applications or be involved in campaigns.

Supplying records

Our desktop biodiversity reports are only as good as the data we hold. We rely on the continuous submission of records to keep our database up-to-date. We are always grateful to receive records from ecological consultants and members of the public alike. We accept records in many different formats – please see our website for more details.

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Confidential Records

The following species are not included in desktop biodiversity reports

Badgers



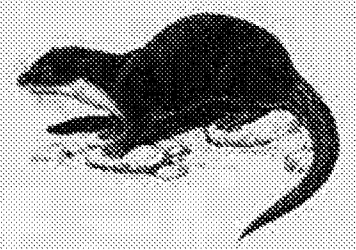
Badgers are one of our most recognisable native British mammals. They are not considered rare but are protected along with their setts under The Protection of Badgers Act 1992 and schedule 6 of the Wildlife and Countryside Act (1981, as amended).

It is an offence to kill, injure, or take a badger or interfere with a badger sett. "Interference" is defined by section 3 of The Protection of Badgers Act and includes damaging or destroying a badger sett, obstructing any entrance to a sett and also disturbing a badger when it is occupying a sett. If you need to do any work near to a sett (within 30m) you must contact Natural England for guidance as your activities may require a licence.

With continued persecution of badgers, often for the most cruel and barbaric 'sport', badger records are not included in our species inventory reports, as it has been requested that they remain confidential.

If you need further information about badgers in your enquiry area please contact the Badger Trust Sussex. Contact details can be found on their website: www.badgertrust-sussex.org.uk

Otters



Otters are slowly making a return to Sussex after becoming extinct in the 1960s, but are nowhere near their former numbers and remain very vulnerable.

If there is a river or tributary within 1km of your enquiry area please be aware of the potential for otters in the vicinity, especially if you are undertaking operations that may impact potential otter habitat.

Otters are protected by European and UK law. It is an offence under the Wildlife and Countryside Act 1981 to kill, injure or take an otter from the wild without a licence; to damage or obstruct a holt; or disturb an otter in its resting place. Licences are required for checking holts or for carrying out work that may disturb otters, such as the management of trees that are known to be used as resting sites. Natural England are responsible for issuing these licences in England.

If you need to find out if otters have been recorded in your enquiry area, please get in touch with the Record Centre.

Wood White and Duke of Burgundy butterflies

These two rare butterfly species have a very restricted range in Sussex and records have been made confidential based on advice given from Butterfly Conservation Sussex Branch.

Other confidential records

SxBRC holds records of other species that are confidential. Confidentiality can be for a variety of reasons but is usually to benefit the site or the species. If you need to know if any confidential records have been recorded in your enquiry area, please get in touch with the Record Centre.

ARUN DISTRICT COUNCIL F/19/18/EIS

MAPS

There are three maps included in a standard desktop biodiversity report which show designated sites (statutory and non-statutory); habitats and natural features; and ownership and management.

The key on a map only shows those layers which are located within the enquiry area or immediate area. Below is a list of all layers which we currently show on our maps, with details of the data source. Citation sheets and further information on each layer can be found towards the back of the pdf report.

Designated sites	
Statutory	
Area of Outstanding Natural Beauty (AONB)	Downloaded from NE website.
Country Park	Downloaded from NE website.
Local Nature Reserve (LNR)	Downloaded from NE website.
Marine Conservation Zone (MCZ)	Downloaded from NE website.
Marine Site of Nature Conservation Importance (MSNCI)	Supplied by ESCC in 2005.
National Nature Reserve (NNR)	Downloaded from NE website.
National Park	Downloaded from NE website.
Ramsar	Downloaded from NE website.
Site of Special Scientific Interest (SSSI)	Downloaded from NE website.
Special Area of Conservation (SAC)	Downloaded from NE website.
Special Protection Area (SPA)	Downloaded from NE website.
Non-Statutory	
Local Geological Site (LGS)	Originally supplied as hand drawn maps by the Booth Museum (Brighton) in 2009. LGS boundaries were digitised by SxBRC. Site boundaries are now administered by SxBRC and the Sussex Geodiversity Partnership and have been further improved as a result of ground surveys between 2010 to 2012.
Notable Road Verge	Owned and provided by ESCC and WSCC.
Site of Nature Conservation Importance (SNCI)	Supplied by WSCC, ESCC & BHCC.
Habitats and natural features	
Ancient/veteran tree	Merged dataset created in July 2009. Data from Ancient Tree Hunt (national survey carried out in 2007/2008) and Tree Register of the British Isles (a charity which collates and updates data on notable trees).
Ancient woodland	Downloaded from NE website.
Black poplar	Created by SxBRC based upon species records arising from Sussex Wetland Landscapes Project.
Chalk stream	Created and owned by SWLP and SxBRC.
Coastal & floodplain grazing marsh	Downloaded from NE website.
Coastal saltmarsh	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.
Coastal sand dune	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.
Coastal vegetated shingle	Downloaded from NE website.
Ghyll woodland	Boundaries drawn on paper maps by Dr Francis Rose which were then digitised by SxBRC. Not ground-truthed.
Intertidal chalk	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.

Intertidal mudflat	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.
Lowland calcareous grassland	Merged dataset from NE and SDJC sources, created in 2005. Administered by SxBRC.
Lowland fen	Created by SxBRC in June 2011. Layer is an amalgamation of all the fen data currently available to SxBRC.
Lowland heathland	High Weald Heathland data created by the High Weald Unit in 2006. The rest of Sussex Heathland data was created by SxBRC, with funding from WSCC and RSPB in 2007.
Lowland meadow	Downloaded from NE website.
Maritime cliff and slope	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.
Open water	Derived from OS mapping. This includes inland and tidal, running and standing water.
Reedbed	Created by SxBRC in June 2011. Layer is an amalgamation of all the reedbed data currently available to SxBRC.
Saline lagoon	Created by SxBRC.
Traditional orchard	Downloaded from NE website.
Wood-pasture & parkland	Downloaded from NE website.
Ownership and management	
Environmental Stewardship Agreement	Downloaded from NE website.
National Trust property	Owned and provided by National Trust.
RSPB reserve	Owned and provided by RSPB. Downloadable from their website.
Sussex Wildlife Trust reserve	Created and maintained by SxBRC on behalf of SWT.
Woodland Trust site	Owned and provided by the Woodland Trust.

Abbreviations

BHCC	Brighton and Hove City Council
EA	Environment Agency
ESCC	East Sussex County Council
NE	Natural England
PTES	People's Trust for Endangered Species
RSPB	Royal Society for the Protection of Birds
SDJC	South Downs Joint Committee
SRCMP	Strategic Regional Coastal Monitoring Programme
SxBRC	Sussex Biodiversity Record Centre
SWLP	Sussex Wetland Landscapes Project
SWT	Sussex Wildlife Trust
WSCC	West Sussex County Council

Natural England datasets

These are available for anyone to download and use in their own Geographical Information System (GIS). Visit www.gis.naturalengland.org.uk for more information and register as a user.

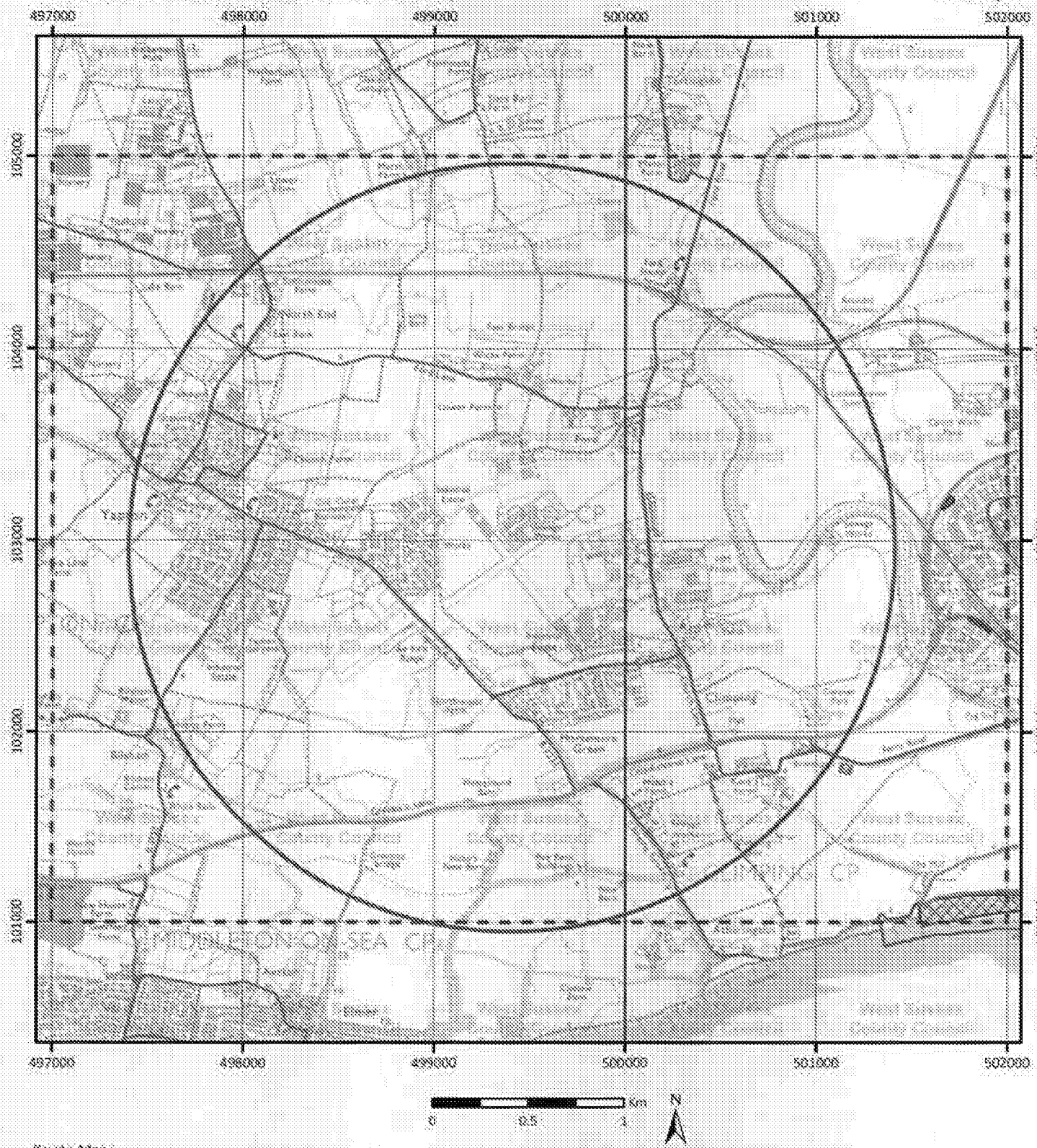
Designated Site Map (ESD/15/495)

Land at Ford Airfield + 2km radius

Prepared for Jeff Pickslay (Artemis Ecological Consulting) - 20/07/2015

Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
admin@sussexwt.org.uk
01273 497 538
www.sbrc.org.uk



0 0.5 1 Km

N

Key to Map:

- Enquiry area
- Species search area
- SNCI
- SSSI
- Notable Road Verge
- LGS

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RAMSAR, Special Area of Conservation (SAC), Special Protection Area (SPA), National Park, Area of Outstanding Natural Beauty (AONB), National Nature Reserve (NNR), Site of Special Scientific Interest (SSSI), Local Nature Reserve (LNR) and Country Park data reproduced with permission of Natural England. Site of Nature Conservation Importance (SNCI) data provided by East and West Sussex County Councils, and Brighton & Hove City Council. Notable Road Verge data supplied by East and West Sussex County Councils. Local Geological Site (LGS) data created by SxRIC in partnership with Sussex Geodiversity Group. © Crown Copyright. All rights reserved 2015.

Habitat & Natural Features Map (ESD/15/495)

Land at Ford Airfield + 2km radius

Prepared for Jeff Pickstey (Artemis Ecological Consulting) - 20/07/2015

Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
sxbrc@sussexwt.org.uk
01273 497 538
www.sxbrc.org.uk



Key to Map:

- Enquiry area
- Species search area
- Ancient/veteran tree
- Chalk stream
- Lowland fen
- Reedbed
- Intertidal mudflat
- Coastal vegetated shingle
- Coastal sand dune
- Coastal saltmarsh
- Open Water
- Traditional orchard
- Wood pasture & parkland
- Ancient woodland
- Coastal & floodplain grazing marsh

Km
0 0.5 1

N

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Ancient woodland, traditional orchards, woodpasture and parkland, vegetated shingle and saline lagoon data reproduced with permission of Natural England. Ancient coastal and floodplain grazing marsh data remains provisional and is also reproduced with permission of Natural England. Chalk grassland data supplied by Natural England and South Downs Conservation Board. Chalk Rivers data supplied by Sussex Wetland Landscapes Project. Shrill woodland data supplied by Dr Francis Rose. Reedbed data funded by Environment Agency and West Sussex County Council is provided by Sussex Biodiversity Record Centre and maintained by RSPB. Heathland data funded by West Sussex County Council, RSPB and High Weald AONB Unit. Ancient/veteran tree data derived from results of the Ancient Tree Hunt Project and the Tree Register of the British Isles (TREOBI). South East Coastal Habitat Mapping data reproduced with permission of Environment Agency. © Crown Copyright. All rights reserved 2015.

Habitat data held by Sussex Biodiversity Record Centre (SxBRC) are created in house or obtained from a variety of outside providers. SxBRC continually strive to further improve and update these data wherever possible. However, this map should be treated as indicative rather than definitive. Data may be generated from a range of field survey and/or desktop methods, each of which may have its own inherent limitations, so in some situations a recent ground survey may be required to establish definitively the current status of a particular habitat at a specific location.

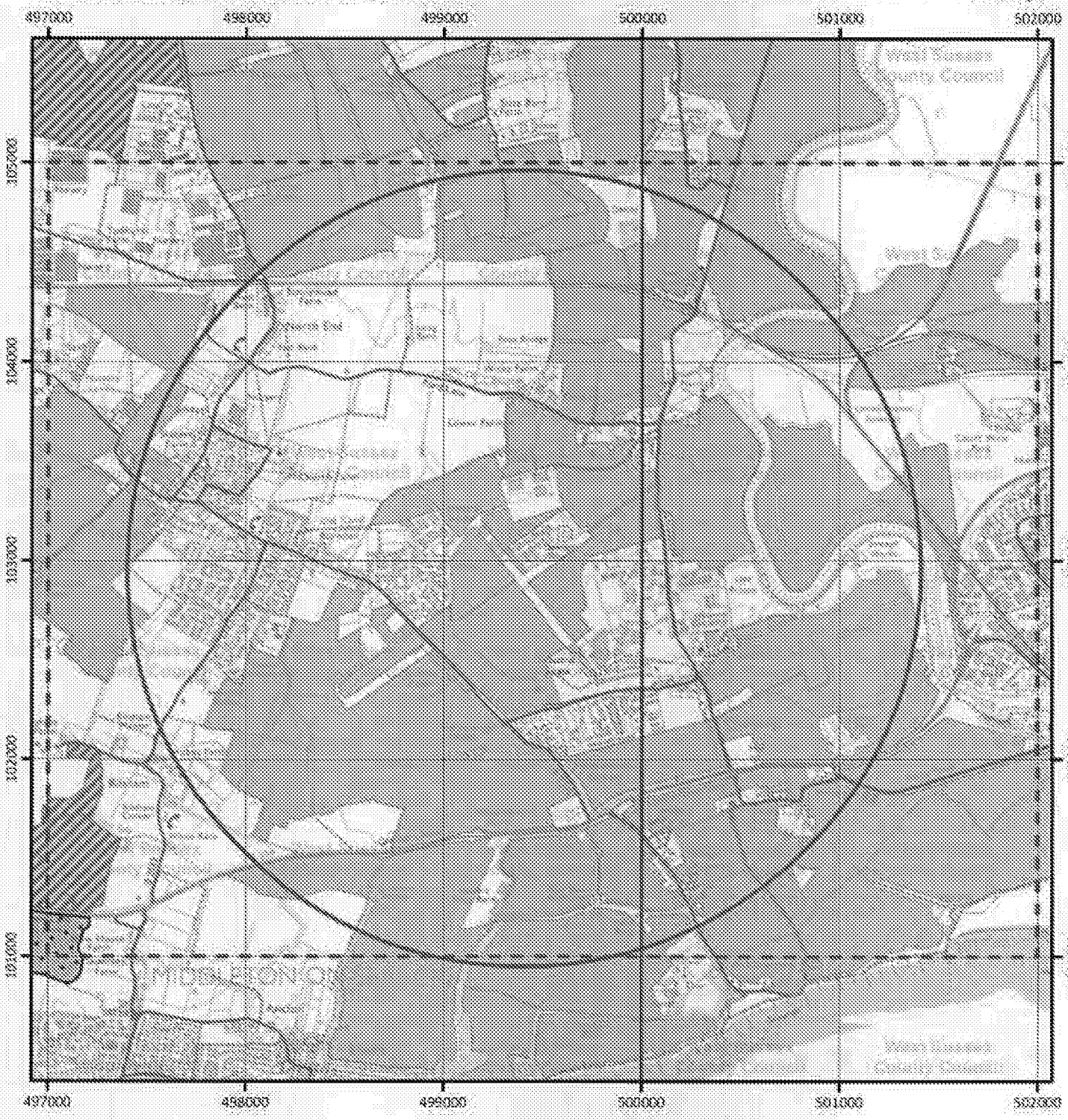
Ownership & Management Map (ESD/15/495)

Land at Ford Airfield + 2km radius

Prepared for Jeff Picksley (Artemis Ecological Consulting) - 20/07/2015

Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
admin@sussexbrc.org.uk
01273 497 558
www.sxbrc.org.uk



Key to Map:

- Enquiry area
- Species search area
- Woodland Trust site

Environmental Stewardship Agreements:

- Higher Level Stewardship (HLS)
- Entry Level Stewardship (ELS)
- Organic ELS
- Organic ELS plus HLS
- ELS plus HLS

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Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sxbrc.org.uk
www.sxbrc.org.uk
01273 497521

SUMMARY REPORT

Land at Ford Airfield + 2km radius

20 July 2015 ESD/15/495 Search Area: SU8701 to TQ0104
Jeff Pikesley (Artemis Ecological Consulting)

Protected Species Register (not including bats, badgers,otters or birds)	
Number of species recorded	5
European Protected Species	
Number of species recorded	13
Bats	
Number of species recorded	9
Birds	
Number of species recorded	248
Number of BoCC Red list species recorded	40
Number of BoCC Amber list species recorded	109
Number of W&CA Schedule 1 species recorded	63
Number of significant breeding bird records	74
BAP species (not including bats or birds)	
Number of species recorded	45
Rare Species (not including bats, birds or otters)	
Number of species recorded	105
Invasive Alien Species	
Number of species recorded	18

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Sussex Protected Species Register

The Protected Species Register does not include bat, bird, badger or otter records.

Bat and bird records are included in separate inventories, while badger and otter records are not included in SxBRC reports.

The Sussex Protected Species Register (PSR) consists of species of plants, fungi and animals that are protected under Schedules 5, 6 and 8 of the Wildlife and Countryside Act 1981 and other legislation.

Please note the following limitations to the PSR:

- PSR records are labelled so that only one record per species per grid reference is included in a SxBRC report. This will usually be the most up to date record.
- If a protected species record appears in a SxBRC biodiversity report it does not mean that the species is still present. It means that the protected species was recorded last at that time and place by the recorder listed. The implications of the record should be further evaluated, and a survey to establish the current status of the species may be required.
- If there is no record of any particular protected species, this does not confirm that the species is absent from the site in question. It may mean that it has not been recorded, that the site has not been surveyed for this species, or that the Record Centre has not been informed of its presence.
- Some sites are part of the National Dormouse Monitoring Programme (NDMP) and therefore we are likely to hold historic records/more detailed information. If 'NDMP' is mentioned in the location name of a record and you would like the historic dormouse data for that site, please contact the SxBRC.

Wildlife Protection Legislation in England

Legislation that protects wildlife in England exists at the European and national level.

European law

Legislation produced at a European level is an EU Directive, produced to have an effect at national level as regulations. The most relevant regulation for biodiversity is the 'Conservation of Habitats & Species Regulations 2010 (informally known as 'The Habitats Directive'). Further information can be found here: www.naturenet.net/law/habsregs.html

National law

The Wildlife and Countryside Act (WCA) 1981 (as amended), strengthened by the Countryside and Rights of Way Act 2000, are together the most important legislation aimed at protecting wildlife in England. The Wildlife and Countryside Act is divided into four parts, details of which are available from:
www.naturenet.net/law/wcagen.html

Species protection is provided under Schedules 1, 5, 6 and 8 of the WCA:

Schedule 1: Birds – Please refer to the Sussex Bird Inventory results and explanation sheet in your SxBRC biodiversity report.

Schedule 5: Protected animals (other than birds)
Intentional or reckless killing, injuring, taking, possessing, disturbing and selling (including parts and derivatives) as well as damaging, destroying or obstructing access to any structure or place of refuge etc. are prohibited. N.B. Protection of some species is limited to certain sections of the Act, which are indicated in the lists as follows:

Section 9(1) Protection limited to intentional killing, injury or taking.

Section 9(2) Protection limited to possessing and controlling.

ARUN DISTRICT COUNCIL F/19/18/EIS

Section 9(4a) Protection limited to damaging, destroying or obstructing access to any structure or place used by the animal for shelter or protection.

Section 9(4b) Protection limited to disturbing the animal while it is occupying any structure or place which it uses for shelter or protection.

Section 9(5a) Protection limited to selling, offering for sale, possessing or transporting for the purpose of sale (live or dead animal, part or derivative).

Section 9(5b) Protection limited to advertising for buying or selling such things.

Schedule 6: Animals which may not be killed or taken by certain methods
Methods include traps and nets, poisons, automatic weapons, electrical devices, smokes/gases and various others. Even humane trapping for research requires a licence.

Schedule 8: Protected plants and fungi
Intentional picking, uprooting, destroying, trading (including parts and derivatives) etc. are prohibited. Under the Wildlife and Countryside Act, all wild plants in Britain are protected from intentional uprooting by an unauthorised person. Land owners, land occupiers, persons authorised by either of these, or persons authorised in writing by the Local Authority for the area are however exempt from this, except for Schedule 8 species which you can see on this website: www.naturenet.net/law/sched8.html

Legislation protecting bats

Please refer to the explanation sheet of the Sussex Bat Inventory within your SxBRC biodiversity report, or visit the SxBRC website.

Legislation protecting badgers and otters

Please refer to the 'Confidential Records' sheet at the start of the report for information on badger and otter records in Sussex.

Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sxbrc.org.uk
www.sxbrc.org.uk
01273 497521

SUSSEX PROTECTED SPECIES REGISTER REPORT

Please note that bat, bird, badger and otter records are not included in this report.

Land at Ford Airfield + 2km radius

20 July 2015 ESD/15/485 Search Area: SU9701 to TQ0104

Jeff Picksley (Artemis Ecological Consulting)

Triturus cristatus Great Crested Newt

Amphibian

The largest British newt. It is black or dark brown and the males have a crest along the back and an orange underside spotted with black. Frequently confused with male smooth newts, which also have a crest. The great crested newt prefers larger, open ponds that are free of fish and waterfowl and has declined substantially in Britain and across Europe, mainly due to habitat loss. The species is fully legally protected and Britain has special responsibility for its conservation as some of the best European populations occur here. Scattered across East and Central Sussex but scarce in the west.

Designations

Bern Convention Appendix 2; European Protected Species; Habitats Directive Annex 2 - non-priority species; Habitats Directive Annex 4; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU977033	Arun District Counti Officer	04/05/2002	North End Rd, Yapton, Yapton
SU999016	Matthew Sennitt	22/03/2010	Cottage Pond, Climping Street
TQ00070148	Bev Wadge	18/06/2010	ClimpingDove Cottage Meadow Pond
TQ001014	Matthew Sennitt	26/03/2010	Ponds at Dove Cottage, Climping Street, Climping

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Arvicola amphibius European Water Vole

Terrestrial mammal

The fastest declining native British mammal, the water vole was 'Ratty' in Wind in the Willows. Water voles prefer slow flowing streams, rivers and dykes with steep earth banks and luxuriant emergent vegetation. They have been in decline for over a century mainly due to loss of habitat while the presence of American mink has greatly hastened this decline. In many areas of mainland Britain water voles are already extinct but there are still some strong populations in Sussex. A legally protected species, listed on the Sussex Rare Species Inventory and the subject of a Sussex Species Action Programme.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.1 taking; 9.2; 9.4; subdivision a; 9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
TQ80211103880	Rowenna Baker	2011	FGB Caravan Park, Ford
TQ003039	Richard James	23/06/2004	Ford, Ford CP
TQ0089001442	Frances Southgate	23/09/2014	Ryebank Rife
TQ01100144	Frances Southgate	11/09/2014	Church Farm, Climping
TQ01120145	Frances Southgate	11/09/2014	Church Farm, Climping
TQ01240164	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ0124101796	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ01260170	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ01260174	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ0159804246	Gareth Williams	05/08/2013	Black Ditch Outfall
TQ0160104301	Gareth Williams	05/08/2013	Black Ditch Outfall

Anguis fragilis Slow-worm

Reptile

A legally protected legless lizard resembling a small snake. Slow-worms are widespread in southern England and found in open habitats such as rough grassland, heath and on road and railway embankments. They are often common in urban and suburban areas. Like most reptiles and amphibians they have declined considerably and need protection wherever they occur.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU978024	John Feltwell	April 2007 - May 2007	Bilsham Road, Yapton Bilsham
SU978043	Sophie Miller	30/08/2010 - 17/09/2010	Lake Dell, Yapton, West Sussex (VC13)
SU982028	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU984031	Nick Sturt	2000 - 2010	Burndell Copse
TQ00100144	Matthew Sennitt	02/07/2014	Dove Cottage Garden
TQ001014	Matthew Sennitt	16/09/2010	Dove Cottage, Climping Street, Climping
TQ0102	SARG Sussex Amphibian & Reptile Grp	19/07/1996	Littlehampton By-Pass, West Sussex (VC13)
TQ015023	Recorder @ Halcrow Group Ltd	16/06/2010	River ArunLittlehampton
TQ015030	Recorder @ Halcrow Group Ltd	28/06/2010	River ArunLittlehampton
TQ015031	Recorder @ Halcrow Group Ltd	29/06/2010	River ArunLittlehampton

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Natrix natrix — Grass Snake

Reptile

A widespread, but legally protected, snake with a normally olive body flecked with black and a distinctive yellow collar. Frequent in Sussex near places where its food, largely frogs, is readily available. Like most reptiles and amphibians, grass snakes have declined considerably and need protection wherever they occur.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU9702	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	15/07/1996	Shamrock, Bilsham Road, Yapton, West Sussex (VC13)
SU984031	Nick Sturt	2000 - 2010	Burndell Copse

Zootoca vivipara — Common Lizard

Reptile

The most abundant British lizard and widespread in Sussex in the Weald and along the coast. Probably under-recorded and increasingly confined to small areas of open sunny habitat. A legally protected species due to concern about its overall decline.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU984031	Nick Sturt	2000 - 2010	Burndell Copse
TQ0002	SARG Sussex Amphibian & Reptile Grp	28/10/1987	Climping, West Sussex (VC13)
TQ0101	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/01/1991	Littlehampton, West Sussex (VC13)
TQ0102	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	30/07/1993	Littlehampton, West Sussex (VC13)
TQ013018	SARG Sussex Amphibian & Reptile Grp	11/07/1996	Climping Beach, West Sussex (VC13)
TQ015025	Recorder @ Halcrow Group Ltd	29/06/2010	River Arun;Littlehampton
TQ015027	Recorder @ Halcrow Group Ltd	23/06/2010	River ArunLittlehampton
TQ015030	Recorder @ Halcrow Group Ltd	29/06/2010	River ArunLittlehampton
TQ015031	Recorder @ Halcrow Group Ltd	29/06/2010	River ArunLittlehampton
TQ017025	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	12/10/1990	Littlehampton Edge Of Campsite, West Sussex (VC13)
TQ017036	Recorder @ Cresswell Associate	2008	Courtwick Park, Wick
TQ01760189	Graeme Lyons	03/05/2014	Climping Dunes
TQ018023	Recorder @ Halcrow Group Ltd	11/06/2010	River ArunLittlehampton
TQ019022	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	03/05/1999	Littlehampton Marina, West Sussex (VC13)

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Sussex Bat Inventory

SUSSEX BAT GROUP

Bat species

There are 18 species of bat which are resident in the UK (17 of which are known to be breeding here), all of which have been recorded in Sussex:

Barbastella barbastellus **Barbastelle**
Eptesicus serotinus **Serotine**
Myotis alcathoe **Alcathoe**
Myotis bechsteinii **Bechstein's**
Myotis brandtii **Brandt's**
Myotis daubentonii **Daubenton's**
Myotis myotis **Greater mouse-eared**
Myotis mystacinus **Whiskered**
Myotis nattereri **Natterer's**
Nyctalus leisleri **Leisler's**
Nyctalus noctula **Noctule**
Pipistrellus nathusii **Nathusius's pipistrelle**
Pipistrellus pipistrellus **Common pipistrelle**
Pipistrellus pygmaeus **Soprano pipistrelle**
Plecotus auritus **Brown long-eared**
Plecotus austriacus **Grey long-eared**
Rhinolophus ferrumequinum **Greater horseshoe**
Rhinolophus hipposideros **Lesser horseshoe**

Four other bat species have been recorded in Sussex as vagrants: Savi's pipistrelle *(Hypsugo savii)*, Kuhl's pipistrelle *(Pipistrellus kuhlii)*, parti-coloured bat *(Vespertilio murinus)* and Geoffroy's bat *(Myotis emarginatus)*.

Five species are included in Annex II of the EU Habitats Directive: Barbastelle, Bechstein's, greater mouse-eared, greater horseshoe and lesser horseshoe. All 18 species are included in Annex IV.

Seven species are included in the UK Biodiversity Action Plan: Barbastelle, Bechstein's, brown long-eared, greater horseshoe, lesser horseshoe, noctule and soprano pipistrelle.

Background

Bats are the only mammals capable of true flight. Those found in the UK feed exclusively on insects and use a sophisticated form of sonar to navigate and catch their prey at night. In late spring and summer, female bats form maternity colonies to raise their young. This is when they are most obvious to us, as they leave the roost at or after sunset in search of food. Bats hibernate during the winter when insects are scarce, usually at a different site to the maternity roost where a constant cool temperature can be found i.e. in underground sites or within deep crevices in trees or buildings. **Bats return to the same roost sites every year, so even if the animals themselves are not present, the roost is still legally protected.**

Unfortunately there are many misconceptions about bats. They are in fact sociable, intelligent, clean animals that rarely come into contact with humans. They do not build nests and very rarely cause structural damage to buildings.

Current status and threats

Bat populations have suffered huge declines in the last century. The common pipistrelle *(Pipistrellus pipistrellus)* and soprano pipistrelle *(Pipistrellus pygmaeus)* remain the most abundant and widespread species of bat, but are thought to have suffered from a huge reduction in numbers. Estimates from a National Bat Colony Survey suggest a population decline of around 70% between 1978 and 1993.

This reduction in bat numbers is largely due to their roosts being disturbed or destroyed, a loss of suitable feeding and flightline habitat (e.g. hedgerows) and a reduction in insect numbers (e.g. through farming intensification and the use of pesticides). A number of species are now included in the National Bat Monitoring Programme (NBMP), run by the Bat Conservation Trust (BCT), which gives up-to-date information on population trends.

Bats are also particularly vulnerable to human interference for the following reasons:

- They have a low reproductive rate; generally one pup a year.
- They require specific conditions for each of their roost types.
- They are very secretive and often go unnoticed until discovered by building works or home improvements.

Consequently, bats and their roosts receive some of the highest levels of legal protection.

Bats and the law

All species of bat and their roosts are protected by UK and European law. Bats and their roosts may also be protected by site designations, for example if their roost site or feeding grounds are notified as a Special Area of Conservation (SAC) or a Site of Special Scientific Interest (SSSI).

You could be committing a criminal offence if you:

1. Deliberately capture, injure or kill a bat
2. Intentionally or recklessly disturb a bat in its roost or deliberately disturb a group of bats
3. Damage or destroy a bat roosting place (even if bats are not occupying the roost at the time)
4. Intentionally or recklessly obstruct access to a bat roost
5. Possess or advertise/sell/exchange a bat (dead or alive) or any part of a bat

It is not illegal to:

Tend/care for a bat solely for the purpose of restoring it to health and subsequent release. (This should always be done by an experienced bat handler, contact details of which can be found through the Sussex Bat Group.)

Licensing

If you have a bat roost in your property, it does not necessarily mean that building work cannot take place. Work can be planned so as not to interfere with the roost and at a time that bats may be absent. If you are planning any sort of work that may interfere with bats, advice must be sought first from Natural England (see contact details below). Similarly, if you discover bats after work has begun, you must stop and contact Natural England for their advice before continuing.

Licences to permit illegal activities relating to bats and their roost sites can be issued for specific purposes. It is an offence not to comply with the terms and conditions of such a licence. If you carry out work affecting bats or roosts without a licence, you will be breaking the law.

Further advice and information:

Bat Conservation Trust
The national charity working for bat conservation.
Website: www.bats.org.uk
Bat helpline: 0845 1300 228
Email: enquiries@bats.org.uk

Natural England
The government body responsible for issuing licences for work that may affect bats or their roosts.
Website: www.naturalengland.org.uk/ourwork/regulation/wildlife/species/bats.aspx
General and licensing enquiries. Tel: 0845 601 4523 (local rate).

Sussex Bat Group
A local voluntary group working for the conservation of bats in Sussex.
Website: www.sussexbatgroup.org.uk
Email: contact@sussexbatgroup.org.uk

Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sxbrc.org.uk
www.sxbrc.org.uk
01273 497521

SUSSEX BAT INVENTORY REPORT SUMMARY

Please note that all species of bat and their roosts are protected by UK and European law, under the Wildlife and Countryside Act 1981 (WCA) in the UK and the Habitats Directive in the EU. Bats and their roosts may also be protected by site designations, for example if their roost site or feeding grounds are notified as Special Area of Conservation (SAC) or a Site of Special Scientific Interest (SSSI).

You could be committing a criminal offence if you :

1. Deliberately capture, injure or kill a bat. 2. Intentionally or recklessly disturb a bat in the roost or deliberately disturb a group of bats. 3. Damage or destroy a bat roosting place (even if bats are not occupying the roost at the time). 4. Intentionally or recklessly obstruct access to a bat roost. 5. Possess or advertise/sell/exchange a bat (dead or alive) or any part of a bat.

Key to Indicators

M/S	Mating/Swarming
H	Hibernaculum
FR	Feeding Roost
MR	Maternity Roost
UR	Unspecified Roost
D	Droppings

Land at Ford Airfield + 2km radius

20 July 2015 ESD/15/495 **Search Area:** SU9701 to TQ0104

Jeff Picksley (Artemis Ecological Consulting)

Common Name	Latin Name	No of Records	M/S	H	FR	MR	UR	D
Bat sp.	*Chiroptera*	5	☐	☐	☐	☐	☑	☑
Brown Long-eared Bat	*Plecotus auritus*	2	☐	☐	☐	☐	☑	☐
Common Pipistrelle (45 kHz)	*Pipistrellus pipistrellus*	1	☐	☐	☑	☐	☐	☐
Daubenton's Bat	*Myotis daubentonii*	2	☐	☐	☐	☐	☐	☐
Long-eared sp.	*Plecotus*	1	☐	☐	☐	☐	☑	☑
Natterer's Bat	*Myotis nattereri*	1	☐	☐	☐	☐	☐	☐
Noctule Bat	*Nyctalus noctula*	1	☐	☐	☐	☐	☐	☐
Pipistrelle sp.	*Pipistrellus*	4	☐	☐	☐	☐	☐	☐
Serotine	*Eptesicus serotinus*	3	☐	☐	☐	☐	☑	☑

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Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sxbrc.org.uk
www.sxbrc.org.uk
01273 497521

SUSSEX BAT INVENTORY REPORT

Please note that all species of bat and their roosts are protected by UK and European law, under the Wildlife and Countryside Act 1981 (WCA) in the UK and the Habitats Directive in the EU. Bats and their roosts may also be protected by site designations, for example if their roost site or feeding grounds are notified as Special Area of Conservation (SAC) or a Site of Special Scientific Interest (SSSI).

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1. Deliberately capture, injure or kill a bat.2. Intentionally or recklessly disturb a bat in the roost or deliberately disturb a group of bats. 3. Damage or destroy a bat roosting place (even if bats are not occupying the roost at the time). 4. Intentionally or recklessly obstruct access to a bat roost. 5. Possess or advertise/sell/exchange a bat (dead or alive) or any part of a bat.

Key to Indicators

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D	Droppings

Land at Ford Airfield + 2km radius

20 July 2015 ESD/15/485 **Search Area:** SU9701 to TQ0104

Jeff Picksley (Artemis Ecological Consulting)

Chiroptera **Bat sp.**

Chiroptera (from the ancient Greek for 'wing hand') is the natural group, or order, that covers all the bats. In Britain we have 18 bat species and all have the highest level of legal protection. Many people simply record bats in general when they are not able to assign them to a particular species and these are then included under Chiroptera in our reports.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
30/08/2008	Arundel Junction, River Arun, West Sussex (VC13)	TQ003040	SCT Surveyor	Waterway transect	☐	☐	☐	☐	☐	☐	Bats Present	
15/08/2008	Arundel Junction, River Arun, West Sussex (VC13)	TQ003040	SCT Surveyor	Waterway transect	☐	☐	☐	☐	☐	☐	Bats Present	
13/05/1995	Ford Church, Ford Road, Ford, West Sussex (VC13)	TQ003038	NE Bat Worker	Building inspection	☐	☐	☐	☐	☑	☐		

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10/02/1994	2 Blackhorse Cottages, Climping Street, Climping, West Sussex (VC13)	TQ002012	NE Bat Worker	Building Inspection	☐	☐	☐	☐	☑	☑		Evidence of bats. Proposed pesticide treatment.
08/09/1987	26 Fordwater Gardens, Yapton, West Sussex (VC13)	SU986028	NE Bat Worker	Building Inspection	☐	☐	☐	☐	☑	☐		

Eptesicus serotinus — Serotine

A large bat that frequents pasture, parklands and gardens as well as the wider countryside. It forms summer roosts in buildings where it also probably hibernates. A widespread southern species in the UK, though often only present in small numbers. Its British strongholds are in the south east (widespread in Sussex) and parts of the West Country.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
27/08/2014	Church Lane, Climping	TQ003024	Sheila Wright	Aural bat detector	☐	☐	☐	☐	☐	☐	1 Present	Bat detector survey of rural road junction. Determined by Sheila Wright
11/07/1994	2 Blackhorse Cottages, Climping Street, Climping, West Sussex (VC13)	TQ003014	NE Bat Worker	Building Inspection	☐	☐	☐	☐	☑	☑		Species identified by droppings.
04/12/1990	Hubbs Farmhouse, Yapton Lane, Bilsham, Yapton, West Sussex (VC13)	SU975020	NE Bat Worker	Building Inspection	☐	☐	☐	☐	☑	☑		Identified from a few droppings found in roof before timber treatment

Myotis daubentonii — Daubenton's Bat

A medium-sized to small bat of woodland, usually near water (this species was sometimes known as the 'water bat'). It feeds largely on chironomid midges, caddis flies and mayflies. Summer roosts are in tree holes, semi-underground sites and occasionally buildings. During winter it hibernates in caves, mine tunnels, cellars and similar places. Widespread in Britain and apparently increasing in parts of its range and recorded throughout Sussex.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
08/08/1997	Arundel Junction, River Arun, West Sussex (VC13)	TQ003040	BCT Surveyor	Waterway transect	☐	☐	☐	☐	☐	☐	Bats Present	
27/07/1997	Arundel Junction, River Arun, West Sussex (VC13)	TQ003040	BCT Surveyor	Waterway transect	☐	☐	☐	☐	☐	☐	Bats Present	

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Myotis nattereri — Natterer's Bat

A medium-sized bat with long ears inhabiting woodland and mixed farmland, often flying near water. In summer it roosts in old buildings, barns and hollow trees and it hibernates in caves, mines and other underground places. Found throughout much of the British Isles, but generally scarce. The UK population of Natterer's bats may be of international importance and it is widespread in Sussex.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
2000 - 2010	Burndell Copse	SU984031	Nick Sturt	Aural bat detector	☐	☐	☐	☐	☐	☐		These records are from field records 2000 - 2010.

Nyctalus noctula — Noctule Bat — BAP

A large bat of woodlands and wetland that sometimes occurs in towns. Summer roosts are usually in trees, where it can also hibernate. Other hibernation sites can be in rock fissures, bat boxes and sometimes buildings. Widespread, but declining in Sussex and in both England and Wales generally.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
2000 - 2010	Burndell Copse	SU984031	Nick Sturt	Aural bat detector	☐	☐	☐	☐	☐	☐		These records are from field records 2000 - 2010.

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Pipistrellus Pipstrelle sp.

There are three species of Pipistrelle bat found in the UK: common (Pipistrellus pipistrellus), soprano (P. pygmaeus) and Nathusius (P. Nathusii). Common and soprano pipistrelles were previously recorded as one species, but they are now recognised as separate species, with a peak frequency echolocation at 45 kHz and 55 kHz respectively. The following records refer to an aggregate of the two species, where the audio frequency or specific species is undetermined. Little is known about the Nathusius pipistrelle, but the other two species are found in all types of countryside (except very exposed areas) as well as in towns and suburbs. Summer roosts are usually in buildings, though tree holes and bat boxes are also used. Hibernation sites are in buildings and tree holes. Both common and soprano pipistrelles are widespread in Sussex, while Nathusius' is much rarer.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
27/08/2014	Church Lane, Climping	TQ003024	Sheila Wright	Aural bat detector	☐	☐	☐	☐	☐	☐	4 Present	Bat detector survey of rural road junction. Determined by Sheila Wright
16/05/2007	Yapton	SU979027	Caroline Dawson	Field Observation	☐	☐	☐	☐	☐	☐		
01/04/2007 - 31/05/2007	Bilsham Road, Yapton Bilsham, West Sussex (VC13)	SU978024	John Feltwell	Aural bat detector	☐	☐	☐	☐	☐	☐	Bat(s) Present	Detected 3 out of 5 evenings.
2000 - 2010	Bundell Copse	SU984031	Nick Sturt	Aural bat detector	☐	☐	☐	☐	☐	☐		These records are from field records 2000 - 2010.

Pipistrellus pipistrellus Common Pipistrelle (45 kHz)

The common pipistrelle (Pipistrellus pipistrellus) and soprano pipistrelle (P. pygmaeus) were previously recorded as one species. They are now recognised as separate species, with a peak frequency echolocation at 45 kHz and 55 kHz respectively. Pipistrelles are the most common bat in the British Isles and are found in all types of countryside (except very exposed areas) as well as in towns and suburbs. Summer roosts are usually in buildings, though tree holes and bat boxes are also used. Winter roosts are in buildings and tree holes.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
23/05/2014	Bilsham Lane, Bilsham	SU97550202	NE Bat Worker	Aural bat detector	☐	☐	☑	☐	☐	☐	4 Present	Time expansion or full spectrum _x000D_ detector

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Plecotus Long-eared sp.

It is difficult to distinguish the rare grey long-eared bat from the much more common brown long-eared bat without studying in the hand. This also applies to identifying the species from their droppings.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
11/07/1994	2 Blackhorse Cottages, Climping Street, Climping, West Sussex (VC13)	TQ003014	NE Bat Worker	Building Inspection	☐	☐	☐	☐	☑	☑		Species identified from droppings.

Plecotus auritus Brown Long-eared Bat BAP

One of the more common British bat species, but difficult to distinguish from the much rarer grey long-eared bat (Plecotus austriacus), unless in the hand. It frequents woodland and orchards and has summer roosts in older buildings and trees. It often hibernates in caves, tunnels and mines. The brown long-eared has declined in the British Isles though it remains widespread.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
30/07/1988	Newhouse Farm, Ford, Arundel, West Sussex (VC13)	TQ000036	Martin Love	Building Inspection	☐	☐	☐	☐	☑	☐		
06/05/1997	St Andrews Church, Ford, West Sussex (VC13)	TQ002037	Mike Holmes	Unspecified	☐	☐	☐	☐	☑	☐	Bat(s) Present	Probably from colony nearby.

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Sussex Notable Bird Inventory

The Sussex Notable Bird Inventory is based on a list of birds that are particularly scarce or vulnerable to development in Sussex. This report has been created with ecological consultants in mind, to help sort the more sensitive bird species from the more common. These records are only available to ecological consultants due to the sensitivity of the data. The Sussex Ornithological Society (SOS) has kindly shared this data with us, with the view that better planning decisions can be made with the availability of this data. Please see the appended list of species included in this report and the date ranges/criteria for each species' inclusion.

Icons used in the Notable Bird Inventory:

!

Schedule 1 birds

Schedule 1 of the Wildlife and Countryside Act 1981 provides an additional tier of protection so that rare species are specially protected by increased penalties and cannot be intentionally or recklessly disturbed when nesting. **Schedule 1 status also infers a right of arrest** by a police officer if someone is suspected of committing certain offences against one of these species.

BAP

Biodiversity Action Plan Species (UK BAP)

Twenty-six species of bird are identified as Priority Species in the UK Biodiversity Action Plan (UK BAP), each the subject of a dedicated action plan which seeks to reverse their declines and protect vulnerable populations. Any Priority Species recorded within your enquiry area will be indicated in the species information of the bird report. Further details of BAP bird species can be found on the JNCC website.

N

Natural Environment & Rural Communities (NERC) Act

There are 49 bird species on the England Biodiversity List which was drawn up to meet the requirements of Section 41 of the Act. Further details of the NERC Act can be found on the Natural England website.

Birds of Conservation Concern 3 (2009)

Every five years the leading governmental and non-governmental conservation organisations in the UK review the population status of the 247 species of bird that are regularly found in the UK. There are three lists – Red, Amber and Green - into which each of the species has been placed. 40 species are Red-listed, 121 are Amber-listed and 86 are Green-listed. The status decisions are based on several factors which include: the species' global and European conservation status; recent and historical decline; whether it is a rare breeder; if it is only confined to a few sites in the UK; and if the species is of international importance.

Red List species are those that are **Globally Threatened** according to IUCN criteria; those whose population or range has decline rapidly in recent years; and those that have declined historically and not shown a substantial recent recovery.

Amber List species are those with **Unfavourable Conservation Status** in Europe; those whose population or range has declined moderately in recent years; those whose population has declined historically but made a substantial recent recovery; rare breeders; and those with internationally important or localised populations.

Green List species are those that do not fulfil any of the above criteria. Some of these species are however protected by law and the list includes some Schedule 1 species which have the highest level of protection. A green icon will not appear in our reports.

This information has been obtained from ***'Birds of Conservation Concern 3'*** **(BoCC3)** which can be downloaded from the RSPB website.

Other bird legislation and conservation measures:

Wildlife and Countryside Act (WCA) 1981

All British birds, their nests and eggs are protected by UK law. It is an offence to take, kill or injure any wild bird or to take, damage, destroy any nest or egg of any wild bird under Part 1 of the Wildlife and Countryside Act 1981, Schedules 1-4.

Hedgerow removal and birds

It is advisable not to trim, cut or remove hedgerows during the bird nesting season. You will be violating the Wildlife and Countryside Act if there are birds nesting within it due to the disturbance or destruction of their habitat whilst nesting. The Hedgerows Regulations were introduced in 1997 to protect important hedgerows in the countryside. The regulations state that it is a criminal offence, unless an exception applies, to deliberately remove or otherwise destroy a hedgerow without permission. Please apply to your local planning authority for a Hedgerow Removal Application. Domestic hedges are not included in this regulation, however it is still illegal to cut or remove any hedges if birds are suspected to be nesting in it.

Birds in roofs

There are various species that may nest in roofs. Unless they are causing a health hazard, the nests, eggs and chicks are protected by law. The parent birds must not be prevented from gaining access to their nest. Many of the birds that use roof spaces are now species of conservation concern because of their population decline over the past 25 years. Starlings and House Sparrows are Red-listed, while Barn Owls, House Martins and Swallows are Amber-listed (see next page for details). Roofs are also important for Swifts.

Further information about birds and the law can be found on the RSPB website.

Environmental Stewardship Target Species

Farmland birds are one of the key targets of which a landowner can be awarded points through the Higher Level Stewardship scheme. Each Joint Character Area (e.g. High Weald, South Downs, South Coast Plain etc.) has specific key bird species whose populations must be maintained or enhanced to gain points as part of the land owner's 'Farm Environment Plan'. This can be done through a combination of management practices which should provide year round habitat requirements, in locations where these birds are known to be present or within 2km of such sites. If a key farmland bird species appears in your report, it will show to which Joint Character Area it is linked.

Further information about agri-environment schemes can be found on the RSPB website.

EU Birds Directive

The Birds Directive addresses the conservation of all wild birds throughout the European Union, including marine areas, and covers their protection, management, control and exploitation. It applies to the birds, their eggs, nests and habitats. It places a broad requirement on Member States to take necessary measures to maintain the populations of all wild birds at levels determined by ecological, scientific and cultural needs. In doing so, Member States must also consider economic and recreational needs.

The Directive divides into two main parts: **habitat conservation** and **species protection**. In summary, it requires Member States to preserve, maintain and re-establish sufficient diversity and area of habitats for all wild birds.

Annex I:
Species listed in Annex 1 of the Birds Directive are the subject of special conservation measures concerning their habitat to ensure their survival and reproduction. This includes the designation of areas as Special Protection Areas (SPAs).

Annex 2:
Annex 2 of the Birds Directive lists birds that can be hunted under the legislation of the Member States. The Directive bands certain non-selective methods of hunting and defines the limits within which Member States can set the hunting season.

Further information about the EU Birds Directive can be found on the BirdLife website.

IUCN Red List

The World Conservation Union (IUCN) has been assessing the conservation status of species, subspecies, varieties and even selected sub-populations on a global scale in order to highlight taxa threatened with extinction, and therefore promote their conservation. The IUCN Red List (different from the previously mentioned Red List) is the world's most comprehensive inventory of the global conservation status of plant and animal species. It uses a set of criteria to evaluate the extinction risk of thousands of species and subspecies. These criteria are relevant to all species and all regions of the world. With its strong scientific base, the IUCN Red List is recognized as the most authoritative guide to the status of biological diversity.

Further information about the Red List can be found on the IUCN website.

Sussex Notable Bird List

Species	Breeding Evidence	Other Evidence	Designations			
Eurasian Wigeon	Positive breeding status	Late May- early July records				
Gadwall	Positive breeding status	Late May- early July records				
Pintail	Positive breeding status	Late May- early July records				
Garganey	Positive breeding status	Late May- early July records				
Common Pochard	Positive breeding status	Late May- early July records				
Grey Partridge	Positive breeding status	March - August records			BAP	
Common Quail	Positive breeding status	March - August records				
Eurasian Bittern	All records	March - August records			BAP	
Little Egret	Confirmed breeding records + recognised roosts	May and June records				
Grey Heron	Confirmed breeding records	March - May records				
Honey-buzzard	March - August records					
Red Kite	Positive breeding status + recognised roosts	March - August records				
Marsh Harrier	Positive breeding status + recognised roosts	Mid May-July records				
Hen Harrier	Winter roosts	Four more birds				
Montagu's Harrier	Mid May-July records					
Goshawk	January - August records	All records				
Osprey	Mid May-July records					
Hobby	Positive breeding status	April - August records				
Peregrine Falcon	Positive breeding status	March - August records				
Spotted Crake	Positive breeding status	March - August records				
Avocet	Positive breeding status	April - July records				
Stone-curlew	March - August records				BAP	
Little Ringed Plover	Positive breeding status	March - July records				
Northern Lapwing	Positive breeding status	April- June records			BAP	
Common Snipe	Positive breeding status	April - July records				
Black-tailed Godwit	Positive breeding status	late May-June				
Eurasian Curlew	Positive breeding status	April - July records			BAP	N
Common Redshank	Positive breeding status	April- June records				
Kittiwake	Positive breeding status					
Mediterranean Gull	Positive breeding status	May-June records				
Little Tern	Positive breeding status					
Common Tern	Positive breeding status					
Turtle Dove	Positive breeding status				BAP	N
Barn Owl	All records					
Long-eared Owl	Positive breeding status + recognised roosts	March - August records				
Common Swift	Confirmed & probably breeding records					

Barn Swallow	Confirmed & probably breeding records					
House Martin	Confirmed & probably breeding records					
Common Kingfisher	Positive breeding status	March - August records		!		
Lesser Spotted Woodpecker	All records				BAP	
Raven	Positive breeding status	February - July records				
Firecrest	Positive breeding status	March - August records		!		
Willow Tit	All records					
Bearded Tit	Positive breeding status	March - August records		!		
Wood Lark	Positive breeding status	March - August records		!	BAP	S
Cetti's Warbler	Positive breeding status	March - August records		!		
Wood Warbler	Positive breeding status	April - August records			BAP	S
Dartford Warbler	Positive breeding status	March - August records		!		
Savi's Warbler	Positive breeding status	April - August records		!	BAP	S
Marsh Warbler	Positive breeding status	April - August records		!	BAP	
Black Redstart	May-July			!		
Tree Sparrow	All records				BAP	
Yellow Wagtail	Positive breeding status + recognised roosts	May-June records			BAP	S
Common Crossbill	Positive breeding status	February - July records		!		
Hawfinch	All records				BAP	S
Corn Bunting	All records				BAP	

Key to symbols (see main explanation sheet for detail on these designations):

- ! Schedule 1
- BoCC Red List Species
- BoCC Amber List Species
- BAP Biodiversity Action Plan Species
- S Natural Environment & Rural Communities (NERC) Act Species

Selection based on:
Positive Breeding = where a bird has been confirmed as breeding, or there are signs that there is probable breeding.
Date = a date range which represents each species' breeding season, this criteria will be used where breeding has not been confirmed. Please note that this criteria will also bring up non-breeding records which may not be relevant to the data user.
Roost = where a species has been recorded as being in a recognised roost or a winter roost.
All Records = where all records for a species are flagged up.

[redacted]

Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sxbrc.org.uk
www.sxbrc.org.uk
01273 497521

SUSSEX BIRD INVENTORY REPORT SUMMARY

N.B. This summary report gives details of a ALL bird records. Details of notable bird records appear after this summary.

Land at Ford Airfield + 2km radius

20 July 2015 ESD/15/195 **Search Area:** SU9701 to TQ0104

Jeff Pickslay (Artemis Ecological Consulting)

Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Mandarin Duck	*Aix galericulata*	24/04/2011	05/10/2011	2	3	2
Wood Duck	*Aix sponsa*	20/04/2009	-	1	1	1
Pintail	*Anas acuta*	21/10/1990	16/10/2005	8	68	23
Shoveler	*Anas clypeata*	12/01/1985	05/01/2008	6	14	4
Teal	*Anas crecca*	12/01/1981	06/12/2013	56	929	135
Wigeon	*Anas penelope*	12/02/1982	06/12/2013	48	2297	400
Mallard	*Anas platyrhynchos*	12/01/1976	06/12/2013	261	6276	413
Garganey	*Anas querquedula*	16/08/2011	-	1	6	6
Gadwall	*Anas strepera*	09/02/1991	06/12/2013	64	661	73
White-fronted Goose	*Anser albifrons*	19/12/1964	22/01/1999	9	169	64
Greylag Goose	*Anser anser*	13/04/1995	28/03/2010	5	53	44
Lesser Scaup	*Aythya affinis*	24/01/2013	-	1	5	5
Pochard	*Aythya ferina*	10/02/1991	09/12/2011	48	302	34
Tufted Duck	*Aythya fuligula*	31/12/1996	27/05/2012	62	391	110
Scaup	*Aythya marila*	07/02/1991	13/02/1991	3	4	2
Brent Goose	*Branta bernicla*	12/01/1981	31/12/2012	112	22357	2252
Black Brant	*Branta bernicla subsp. nigricans*	02/01/2004	28/11/2010	6	4	1
Canada Goose	*Branta canadensis*	02/05/1990	09/12/2013	72	929	199
Barnacle Goose	*Branta leucopsis*	21/01/1996	11/11/1997	2	43	32
Goldeneye	*Bucephala clangula*	12/03/1988	13/02/2012	20	62	11
Long-tailed Duck	*Clangula hyemalis*	11/02/1991	21/04/2010	2	2	2
Black Swan	*Cygnus atratus*	28/07/2005	05/05/2011	5	5	1
Bewick's Swan	*Cygnus columbianus*	02/02/2011	-	1	1	1

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ARUN DISTRICT COUNCIL F/19/18/EIS

Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Bewick's Swan	*Cygnus columbianus subsp. bewickii*	12/01/1985	02/02/2011	25	574	122
Mute Swan	*Cygnus olor*	12/01/1978	08/12/2013	363	11206	200
Velvet Scoter	*Melanitta fusca*	29/03/1992	30/11/2013	4	7	4
Common Scoter	*Melanitta nigra*	12/01/1978	28/02/2012	21	258	115
Smew	*Mergellus albellus*	03/01/1997	01/01/2011	8	12	4
Goosander	*Mergus merganser*	02/02/1991	14/11/2007	24	108	13
Red-breasted Merganser	*Mergus serrator*	12/01/1976	30/11/2012	52	930	174
Ruddy Duck	*Oxyura jamaicensis*	11/02/1991	22/11/1998	3	7	5
Eider	*Somateria mollissima*	12/01/1981	30/11/2012	15	323	77
Ruddy Shelduck	*Tadorna ferruginea*	26/08/1992	01/01/1995	2	5	3
Common Shelduck	*Tadorna tadorna*	12/01/1976	08/12/2013	36	237	51
Swift	*Apus apus*	25/04/1985	31/08/2012	82	3999	1700
Razorbill	*Alca torda*	02/09/1990	30/11/2012	8	22	5
Little Auk	*Alle alle*	03/11/2006	-	1	3	3
Guillemot	*Uria aalge*	10/05/1998	22/12/2000	2	2	1
Kentish Plover	*Charadrius alexandrinus*	28/04/1995	-	1	1	1
Little Ringed Plover	*Charadrius dubius*	17/08/2010	-	1	1	1
Ringed Plover	*Charadrius hiaticula*	12/12/1976	24/06/2013	207	6460	114
Dotterel	*Charadrius morinellus*	18/04/2008	-	1	3	3
Oystercatcher	*Haematopus ostralegus*	12/11/1969	31/12/2012	233	16075	505
Golden Plover	*Pluvialis apricaria*	12/03/1984	22/01/2013	31	926	153
Grey Plover	*Pluvialis squatarola*	12/01/1976	30/11/2012	178	8471	181
Lapwing	*Vanellus vanellus*	12/12/1976	08/12/2013	169	38231	3000
Black-headed Gull	*Chroicocephalus ridibundus*	22/10/1991	08/12/2013	178	14225	760
Little Gull	*Hydrocoloeus minutus*	04/02/1990	13/01/1996	6	18	9
Herring Gull	*Larus argentatus*	25/12/1994	09/11/2013	130	2621	147
Common Gull	*Larus canus*	03/01/1997	18/08/2013	54	1530	400
Lesser Black-backed Gull	*Larus fuscus*	24/08/1991	15/10/2012	38	235	44
Iceland Gull	*Larus glaucoides subsp. glaucoides*	22/10/1989	-	1	1	1
Glaucous Gull	*Larus hyperboreus*	23/02/1999	-	1	1	1
Great Black-backed Gull	*Larus marinus*	25/12/1994	17/10/2012	48	984	154
Mediterranean Gull	*Larus melanocephalus*	19/01/1992	28/09/2013	67	1463	310
Yellow-legged Gull	*Larus michahellis*	06/09/1989	05/11/2020	6	10	4
Herring Gull	*Larus michahellis subsp. michahellis*	01/05/1990	29/03/1992	12	38	8
Kittiwake	*Rissa tridactyla*	29/03/1992	31/03/2012	3	9	5
Little Tern	*Sternula albifrons*	25/04/1992	30/04/1995	9	79	25
Grey Phalarope	*Phalaropus fulicarius*	21/10/2005	05/11/2005	2	3	1
Common Sandpiper	*Actitis hypoleucos*	12/08/1990	18/08/2013	103	267	15
Turnstone	*Arenaria interpres*	12/11/1969	02/11/2012	198	4878	192

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Sanderling	*Calidris alba*	12/11/1969	30/11/2012	211	10762	339
Dunlin	*Calidris alpina*	12/01/1976	20/01/2013	117	2423	220
Knot	*Calidris canutus*	12/08/1985	29/10/2006	10	242	120
Purple Sandpiper	*Calidris maritima*	12/11/1989	09/11/2007	53	256	12
Little Stint	*Calidris minuta*	06/09/1958	-	1	2	2
Ruff	*Calidris pugnax*	27/03/1981	12/03/1982	2	21	20
Snipe	*Gallinago gallinago*	12/02/1980	20/01/2013	73	715	117
Bar-tailed Godwit	*Limosa lapponica*	12/01/1979	23/12/2010	28	86	32
Black-tailed Godwit	*Limosa limosa*	13/02/2008	-	1	25	25
Jack Snipe	*Lymnocryptes minimus*	20/03/1976	22/12/2011	23	25	2
Curlew	*Numenius arquata*	12/01/1977	30/09/2012	81	1638	97
Whimbrel	*Numenius phaeopus*	09/08/1986	03/05/2014	42	389	78
Woodcock	*Scolopax rusticola*	17/01/1985	15/02/2012	29	42	5
Spotted Redshank	*Tringa erythropus*	30/04/1994	11/10/1998	3	3	1
Wood Sandpiper	*Tringa glareola*	13/08/1986	29/07/2000	3	3	1
Greenshank	*Tringa nebularia*	07/06/1989	19/08/2012	19	26	6
Green Sandpiper	*Tringa ochropus*	05/11/1983	22/12/2006	11	12	2
Redshank	*Tringa totanus*	12/12/1975	19/11/2012	138	1134	74
Arctic Skua	*Stercorarius parasiticus*	04/08/1972	30/09/2003	9	22	7
Great Skua	*Stercorarius skua*	01/01/2012	09/02/2012	2	2	1
Black Tern	*Chlidonias niger*	23/07/1991	29/08/2012	4	12	6
Roseate Tern	*Sterna dougallii*	10/05/1993	-	1	1	1
Common Tern	*Sterna hirundo*	14/06/1990	31/08/2012	31	1841	951
Arctic Tern	*Sterna paradisaea*	23/04/1994	04/09/2000	2	3	2
Sandwich Tern	*Sterna sandvicensis*	25/04/1991	30/09/2012	49	1239	567
Great White Egret	*Ardea alba*	07/01/2010	-	1	0	0
Grey Heron	*Ardea cinerea*	12/01/1979	09/12/2013	122	424	17
Purple Heron	*Ardea purpurea*	15/06/1967	-	1	1	1
Bittern	*Botaurus stellaris*	31/12/1970	19/02/2003	7	7	1
Little Egret	*Egretta garzetta*	05/10/1993	09/12/2013	99	242	43
White Stork	*Ciconia ciconia*	08/06/1988	-	1	1	1
Black Stork	*Ciconia nigra*	17/09/1994	-	1	1	1
African Spoonbill	*Platalea alba*	28/09/1991	-	1	1	1
Spoonbill	*Platalea leucorodia*	25/05/2009	28/03/2012	4	8	3
Glossy Ibis	*Plegadis falcinellus*	20/06/1976	-	1	1	1
Rock Dove	*Columba livia*	18/10/1993	18/08/2013	81	3546	220
Stock Dove	*Columba oenas*	01/05/1990	29/10/2013	59	227	60
Woodpigeon	*Columba palumbus*	08/02/1981	09/12/2013	230	55014	10000
Collared Dove	*Streptopelia decaocto*	25/10/1989	18/08/2013	97	1816	250

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Turtle Dove	*Streptopelia turtur*	13/04/1985	11/06/2007	38	56	4
Budgerigar	*Melopsittacus undulatus*	27/05/1991	05/09/1991	2	2	1
Cockatiel	*Nymphicus hollandicus*	29/10/1988	24/09/2011	7	7	1
Ring-necked Parakeet	*Psittacula krameri*	20/06/1992	-	1	1	1
Kingfisher	*Alcedo atthis*	20/08/1978	16/11/2011	93	106	4
Cuckoo	*Cuculus canorus*	01/04/1989	14/05/2012	59	65	3
Goshawk	*Accipiter gentilis*	02/09/1986	-	1	1	1
Sparrowhawk	*Accipiter nisus*	27/01/1989	17/04/2014	100	126	5
Buzzard	*Buteo buteo*	27/08/1995	04/04/2014	134	210	8
Marsh Harrier	*Circus aeruginosus*	30/04/1988	30/08/2012	10	10	1
Hen Harrier	*Circus cyaneus*	13/01/1985	10/04/2008	7	7	1
Montagu's Harrier	*Circus pygargus*	20/09/1986	12/05/1991	2	2	1
Red Kite	*Milvus milvus*	03/10/2008	-	1	1	1
Osprey	*Pandion haliaetus*	14/09/1991	03/10/2013	7	8	1
Honey-buzzard	*Pernis apivorus*	26/09/1992	-	1	1	1
Merlin	*Falco columbarius*	27/03/1985	27/09/2009	28	29	2
Peregrine	*Falco peregrinus*	23/08/1994	19/01/2013	24	32	3
Hobby	*Falco subbuteo*	05/10/1991	09/10/2007	12	14	3
Kestrel	*Falco tinnunculus*	10/01/1989	11/02/2014	166	208	6
Red-legged Partridge	*Alectoris rufa*	23/03/1990	06/03/2011	17	61	9
Quail	*Coturnix coturnix*	28/04/1987	28/05/1987	3	4	2
Grey Partridge	*Perdix perdix*	01/01/1990	02/01/2013	193	1444	56
Pheasant	*Phasianus colchicus*	30/08/1994	06/12/2013	111	327	15
Black-throated Diver	*Gavia arctica*	31/03/1992	29/09/2013	3	3	1
Great Northern Diver	*Gavia immer*	25/11/2012	30/11/2012	4	7	3
Red-throated Diver	*Gavia stellata*	23/03/1992	31/12/2012	20	92	35
Coot	*Fulica atra*	12/02/1978	06/12/2013	151	753	112
Moorhen	*Gallinula chloropus*	12/02/1978	06/12/2013	230	894	26
Water Rail	*Rallus aquaticus*	30/10/1982	19/02/2011	44	53	3
Sedge Warbler	*Acrocephalus schoenobaenus*	01/05/1986	27/04/2012	75	211	17
Reed Warbler	*Acrocephalus scirpaceus*	01/06/1986	24/08/2013	169	893	30
Long-tailed Tit	*Aegithalos caudatus*	01/05/1992	30/05/2014	66	764	50
Skylark	*Alauda arvensis*	09/10/1990	09/11/2013	167	3209	500
Shore Lark	*Eremophila alpestris*	08/12/1991	18/01/1992	3	3	1
Woodlark	*Lullula arborea*	03/10/1986	07/01/2010	4	5	2
Waxwing	*Bombycilla garrulus*	14/12/1991	24/12/2010	2	36	35
Treecreeper	*Certhia familiaris*	07/09/1990	07/12/2009	17	25	4
Cetti's Warbler	*Cettia cetti*	23/10/1993	22/12/2011	22	22	2
Raven	*Corvus corax*	11/10/2009	-	1	1	1

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Carrion Crow	*Corvus corone*	01/06/1992	06/12/2013	208	1693	87
Carrion Crow	*Corvus corone subsp. corone*	31/12/2001	-	1	29	29
Rook	*Corvus frugilegus*	01/04/1975	06/12/2013	140	8788	320
Jackdaw	*Corvus monedula*	28/10/1993	06/12/2013	91	816	135
Jay	*Garrulus glandarius*	31/10/1991	20/09/2013	68	100	4
Magpie	*Pica pica*	01/06/1992	06/12/2013	196	983	71
Lapland Bunting	*Calcarius lapponicus*	28/10/1983	20/01/1987	4	4	1
Corn Bunting	*Emberiza calandra*	16/06/1975	19/08/2012	88	381	39
Yellowhammer	*Emberiza citrinella*	01/06/1992	09/10/2013	147	845	27
Reed Bunting	*Emberiza schoeniclus*	14/05/1983	24/09/2013	145	484	21
Snow Bunting	*Plectrophenax nivalis*	01/01/1992	09/11/2011	10	12	2
Lesser Redpoll	*Acanthis cabaret*	21/10/1990	30/11/2012	58	1286	410
Goldfinch	*Carduelis carduelis*	16/10/1988	06/12/2013	211	60417	9330
Greenfinch	*Carduelis chloris*	20/08/1989	09/11/2013	160	2600	200
Greenfinch	*Chloris chloris*	29/01/2007	21/12/2009	18	160	70
Hawfinch	*Coccothraustes coccothraustes*	23/05/1966	-	1	1	1
Chaffinch	*Fringilla coelebs*	01/06/1992	06/12/2013	173	4008	570
Brambling	*Fringilla montifringilla*	15/01/1967	07/10/2012	38	134	56
Linnet	*Linaria cannabina*	07/10/1990	29/10/2013	126	6405	1630
Twite	*Linaria flavirostris*	06/02/1966	17/10/1988	3	11	5
Common Crossbill	*Loxia curvirostra*	04/08/1991	05/11/2011	8	19	5
Bullfinch	*Pyrrhula pyrrhula*	01/06/1992	06/12/2013	55	135	10
Island Canary	*Serinus canaria*	24/08/1995	-	1	1	1
Serin	*Serinus serinus*	12/04/1995	20/03/1999	2	2	1
Siskin	*Spinus spinus*	24/09/1989	29/10/2013	114	9494	1500
House Martin	*Delichon urbicum*	22/05/1990	31/10/2012	77	12313	3000
Swallow	*Hirundo rustica*	23/04/1989	20/09/2013	210	35791	10000
Sand Martin	*Riparia riparia*	23/03/1991	30/09/2012	37	834	122
Red-backed Shrike	*Lanius collurio*	01/10/1981	09/09/1993	5	5	1
Great Grey Shrike	*Lanius excubitor*	28/10/1990	-	1	1	1
Woodchat Shrike	*Lanius senator*	24/04/1990	-	1	1	1
Grasshopper Warbler	*Locustella naevia*	01/05/1985	16/08/2011	35	37	2
Tawny Pipit	*Anthus campestris*	04/09/1990	11/09/1995	3	3	1
Red-throated Pipit	*Anthus cervinus*	23/04/1995	-	1	1	1
Rock Pipit	*Anthus petrosus*	05/01/1978	31/10/2012	21	55	14
Meadow Pipit	*Anthus pratensis*	10/12/1987	09/10/2013	115	4502	675
Water Pipit	*Anthus spinoletta*	16/03/1978	14/04/2007	4	4	1
Tree Pipit	*Anthus trivialis*	20/06/1989	31/08/2012	39	64	4
Pied Wagtail	*Motacilla alba*	12/10/1986	19/11/2012	117	2212	340

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White Wagtail	*Motacilla alba subsp. alba*	14/04/1990	12/09/2000	4	7	2
Pied Wagtail	*Motacilla alba subsp. yarrellii*	31/12/2001	06/12/2013	17	538	247
Grey Wagtail	*Motacilla cinerea*	30/08/1989	06/12/2013	76	174	18
Yellow Wagtail	*Motacilla flava*	14/06/1987	31/10/2012	84	2463	390
Blue-headed Wagtail	*Motacilla flava subsp. flava*	31/08/1997	-	1	1	1
Robin	*Erithacus rubecula*	01/06/1992	06/12/2013	166	1375	35
Pied Flycatcher	*Ficedula hypoleuca*	04/08/1990	26/09/2007	20	21	2
Red-breasted Flycatcher	*Ficedula parva*	06/10/2012	-	4	4	1
Nightingale	*Luscinia megarhynchos*	22/04/1989	21/05/2011	15	18	3
Spotted Flycatcher	*Muscicapa striata*	13/05/1990	03/09/2012	43	125	15
Wheatear	*Oenanthe oenanthe*	24/04/1989	29/10/2013	129	1456	114
Black Redstart	*Phoenicurus ochruros*	11/05/1988	30/11/2012	51	89	12
Redstart	*Phoenicurus phoenicurus*	23/04/1989	30/09/2012	86	217	23
Whinchat	*Saxicola rubetra*	01/07/1988	30/09/2012	111	331	21
Stonechat	*Saxicola rubicola*	21/06/1976	29/10/2013	126	384	28
Redwing	*Turdus iliacus*	19/11/1990	06/12/2013	89	4059	460
Blackbird	*Turdus merula*	01/06/1992	06/12/2013	205	2646	76
Song Thrush	*Turdus philomelos*	01/06/1992	06/12/2013	126	390	41
Fieldfare	*Turdus pilaris*	01/01/1990	06/12/2013	102	14787	2000
Ring Ouzel	*Turdus torquatus*	04/11/1989	30/10/2012	35	61	10
Mistle Thrush	*Turdus viscivorus*	01/06/1992	31/05/2014	54	108	10
Blue Tit	*Cyanistes caeruleus*	01/06/1992	06/12/2013	152	933	26
Great Tit	*Parus major*	01/06/1992	06/12/2013	128	594	16
Coal Tit	*Periparus ater*	04/10/1991	02/02/2011	23	22	1
Marsh Tit	*Poecile palustris*	16/06/1991	27/10/2012	8	9	2
House Sparrow	*Passer domesticus*	23/01/1991	06/12/2013	138	1556	181
Tree Sparrow	*Passer montanus*	01/04/1976	17/12/1992	41	725	250
Chiffchaff	*Phylloscopus collybita*	11/11/1989	06/12/2013	197	1455	80
Dusky Warbler	*Phylloscopus fuscatus*	07/10/2005	-	1	1	1
Yellow-browed Warbler	*Phylloscopus inornatus*	02/11/1990	11/10/2013	10	8	1
Pallas's Warbler	*Phylloscopus proregulus*	07/11/1993	28/10/2013	3	3	1
Wood Warbler	*Phylloscopus sibilatrix*	10/08/1981	05/09/1998	10	11	2
Willow Warbler	*Phylloscopus trochilus*	26/03/1989	11/04/2014	72	853	150
Red-headed Weaver	*Anaplectes rubriceps*	01/10/1985	-	1	1	1
Dunnock	*Prunella modularis*	01/06/1992	06/12/2013	154	936	27
Firecrest	*Regulus ignicapilla*	09/09/1989	19/11/2013	77	112	9
Goldcrest	*Regulus regulus*	23/10/1990	26/12/2011	77	503	41
Nuthatch	*Sitta europaea*	04/08/2003	07/10/2011	13	15	2
Starling	*Sturnus vulgaris*	01/06/1992	06/12/2013	148	10064	1350

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Booted Warbler	*Iduna caligata*	27/08/2013	-	1	1	1
Bearded Tit	*Panurus biarmicus*	18/10/1983	16/04/1994	7	15	5
Blackcap	*Sylvia atricapilla*	27/04/1989	13/07/2013	119	794	80
Garden Warbler	*Sylvia borin*	05/05/1990	31/08/2011	28	50	5
Whitethroat	*Sylvia communis*	23/04/1990	13/07/2013	153	1229	55
Lesser Whitethroat	*Sylvia curruca*	23/04/1990	10/08/2013	92	144	19
Barred Warbler	*Sylvia nisoria*	22/09/1992	-	1	1	1
Dartford Warbler	*Sylvia undata*	01/10/1989	10/11/2010	22	22	1
Wren	*Troglodytes troglodytes*	01/06/1992	08/12/2013	152	1110	50
Shag	*Phalacrocorax aristotelis*	29/03/1992	11/11/1996	3	3	1
Cormorant	*Phalacrocorax carbo*	12/01/1977	08/11/2013	337	2902	144
Gannet	*Morus bassanus*	21/03/1992	30/11/2012	19	484	175
Great Spotted Woodpecker	*Dendrocopos major*	01/06/1982	08/12/2013	87	143	6
Lesser Spotted Woodpecker	*Dendrocopos minor*	16/04/1985	23/11/2005	9	10	2
Wryneck	*Jynx torquilla*	12/09/1998	30/09/2006	3	3	1
Green Woodpecker	*Picus viridis*	01/06/1984	20/09/2013	143	210	8
Slavonian Grebe	*Podiceps auritus*	30/10/1997	31/03/2012	12	47	9
Great Crested Grebe	*Podiceps cristatus*	12/01/1976	08/11/2013	100	642	120
Red-necked Grebe	*Podiceps grisegena*	29/04/2010	26/02/2012	4	4	1
Little Grebe	*Tachybaptus ruficollis*	29/10/1983	09/10/2013	123	255	8
Storm Petrel	*Hydrobates pelagicus*	03/09/1991	08/06/2006	4	17	8
Leach's Petrel	*Oceanodroma leucorhoa*	08/11/2005	-	1	2	2
Fulmar	*Fulmarus glacialis*	03/09/1994	17/10/2010	6	12	7
Sooty Shearwater	*Puffinus griseus*	08/11/2005	-	1	1	1
Short-eared Owl	*Asio flammeus*	12/09/1979	14/04/2013	55	60	2
Long-eared Owl	*Asio otus*	30/01/1992	09/02/1992	2	8	5
Little Owl	*Athene noctua*	29/03/1981	15/01/2011	70	101	5
Tawny Owl	*Strix aluco*	03/04/1967	15/02/2012	25	26	2
Barn Owl	*Tyto alba*	30/01/1986	19/11/2012	24	25	2
Hoopoe	*Upupa epops*	29/06/1907	10/11/2011	12	10	1

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Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sxbrc.org.uk
www.sxbrc.org.uk
01273 497521

SUSSEX NOTABLE BIRD REPORT

Land at Ford Airfield + 2km radius

20 July 2015 ESD/15/495 Search Area: SU9701 to TQ0104

Jeff Picksley (Artemis Ecological Consulting)

Aythya ferina Pochard

A stocky diving duck that is a scarce summer non-breeder, very scarce breeder and fairly common winter visitor. It is very scarce on observed passage. It breeds on large, reed-fringed lakes and winters on lakes, reservoirs and in sheltered bays. It has a varied diet of plants and seeds, snails, small fish and insects.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9804	BTO Birdtrack data	13/07/2009	Yapton CP	2 Present	Date
SU9804	BTO Birdtrack data	26/05/2010	Yapton CP	3 Present	Date

Apus apus Swift

A well-known common summer visitor and passage migrant, widely distributed in Sussex. This sickle-shaped medium-sized dark aerial bird only stops flying when at the nest, it even sleeps on the wing! Many towns and villages have breeding populations. Very large migration movements are sometimes recorded with many thousands of birds involved. Can be seen in large screaming parties speeding around rooftops. They feed on flying insects and airborne spiders.

Bird Population Status - amber

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9702	Sussex Ornithological Society	20/06/1994	Yapton	46 Present	Positive Breeding
TQ0001	National Biodiversit (Gateway)	01/05/2009	Climping CP	1 Present	Positive Breeding
TQ00C	BTO Birdtrack data	19/06/2010	Arundel Tortington		Positive Breeding

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ARUN DISTRICT COUNCIL F/19/18/EIS

Vanellus vanellus Lapwing

A large wader which is a familiar farmland and wetland bird; it is a scarce or fairly common, but declining, resident and very common winter visitor. The bird declined markedly in South East England at the end of the last century. The favoured breeding habitat is mixed farmland and suitable habitats have been in short supply. Its diet consists of worms and insects.

Bird Population Status - red; Birds Directive Annex 2.2; Convention on Migratory Species: Appendix 2; Environmental Stewardship Target Species (Pevensey Levels); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs); Environmental Stewardship Target Species (Wealden Greensand); Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec); UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9804	Sussex Ornithological Society	30/06/1994	Yapton Marsh Farm	3 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/1995	Yapton Marsh Farm	2 Present	Positive Breeding
SU9804	Breeding Survey in d area	30/06/1996	Yapton Marsh Farm	2 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/1997	Yapton Marsh Farm	1 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/1998	Yapton Marsh Farm	1 Present	Positive Breeding
SU9804	Breeding Survey in d area	30/06/1999	Yapton Marsh Farm	1 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/2004	Yapton Marsh Farm	1 Present	Date
SU9962045I	Ben Rainbow	16/04/2012	West Sussex (VC13)	4 Adult	Date
SU997041	Sussex Ornithological Society	29/04/2009	Arun Valley Ford	1 Present	Date
TQ0004	BTO Birdtrack data	15/05/2011	Arun Valley - Ford Station	3 Present	Date
TQ009045	Arun @ Arun District Council	01/05/1998	Arun Valley - Ford Station	4 Present	Positive Breeding
TQ009011	Sussex Ornithological Society	15/05/2001	Climping Gap	3 Present	Positive Breeding
TQ008	Tetrad Atlas (Roving records)	19/05/2010	Arun Valley Ford	2 Present	Date
TQ010034	Sussex Ornithological Society	01/04/2012	Wick Hutchinsons Farm	11 Present	Positive Breeding
TQ010035	Sussex Ornithological Society	06/05/2011	Littlehampton Courtwick	3 Present	Date
TQ0102	SOS Archived Records	01/06/1980	Arun Valley (Bury-Houghton)	25 Present	Positive Breeding
TQ0102	SOS Archived Records	04/06/1986	Arun Valley (Bury-Houghton)	2 Present	Positive Breeding
TQ012034	Sussex Ornithological Society	03/07/2010	Arun Valley (Ford - Lhampton)		Positive Breeding
TQ012035	Sussex Ornithological Society	09/05/2010	Arun Valley (Ford - Lhampton)	2 Present	Date
TQ016045	Sussex Ornithological Society	18/05/2011	Wick Hutchinsons Farm	11 Present	Date

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Gallinago gallinago Snipe

Now a very scarce breeder and fairly common winter visitor favouring poorly drained pasture. The UK population of Snipe has undergone particularly steep declines in lowland wet grassland in the past twenty-five years. It is a plump medium-sized wader with short legs and a long bill used to probe for small invertebrates, including worms and insect larvae. Males display by flying high in the air and then dropping steeply producing a noise by vibrating their tail feathers.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9804	Sussex Ornithological Society	05/04/1996	Yapton Marsh Farm	20 Present	Date
TQ0003	BTO Birdtrack data	12/04/2007	Arun Valley Ford	1 Present	Date

Numenius arquata Curlew

Formerly a very scarce breeder, this large wader is a common passage migrant and winter visitor. Mainly recorded from marshes, mudflats and saltmarsh, but sometimes elsewhere. Easily recognisable by its long down-curved bill which it uses to catch worms, shellfish and shrimps, and its distinctive bubbling call.

Bird Population Status - amber; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ001014	Sussex Ornithological Society	25/04/2003	Climping CP	5 Present	Date
TQ0101	Sussex Ornithological Society	10/05/1998	Littlehampton West Beach	1 Present	Date
TQ0101	BTO Birdtrack data	08/05/2011	Climping Gap	3 Present	Date
TQ014028	Sussex Ornithological Society	25/07/2010	Arun Valley (Ford - Lhampton)		Date

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Tringa totanus Redshank

A medium-sized wader with a long red bill and long red legs. It is a scarce resident in wetlands close to rivers, and a fairly common winter visitor and passage migrant. Its preferred habitats are wet grassland, estuaries and saltmarshes where it can feed on insects, earthworms, molluscs and crustaceans. Most breeding sites in Sussex are within protected areas, such as nature reserves, which employ specific management for breeding waders.

Bird Population Status - amber; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2; Environmental Stewardship Target Species (Pevensey Levels); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs)

Grid Reference	Recorder	Date	Locality	**Abundance**	**Selection Based On**
SU988045	Sussex Ornithological Society	21/06/2001	Yapton Wicks Farm	1 Present	Date
TQ0002	SOS Archived Records	20/06/1987	Climping Church Farm	2 Present	Positive Breeding
TQ0003	Sussex Ornithological Society	18/04/1998	Arun Valley Ford	9 Present	Date
TQ0004	BTO Birdtrack data	04/04/2011	Arun Valley - Ford Station	1 Present	Date
TQ0004	BTO Birdtrack data	15/05/2011	Arun Valley - Ford Station	1 Present	Date
TQ0004	BTO Birdtrack data	13/06/2011	Arun Valley - Ford Station	1 Present	Date
TQ007028	Sussex Ornithological Society	06/05/1990	Arun Valley Ford	1 Present	Positive Breeding
TQ008	Tetrad Atlas (2007-2011) TTV data	02/04/2008	Arun Valley Ford	4 Present	Date
TQ00C	Tetrad Atlas (2007-2011) TTV data	12/06/2009	Arundel Tortington	1 Present	Date
TQ00C	BTO Birdtrack data	05/04/2012	Arun Valley - Ford Station	1 Present	Date
TQ0102	SOS Archived Records	06/04/1978	Arun Valley (Bury-Houghton)	2 Present	Date
TQ013028	SOS Archived Records	01/06/1988	Climping Church Farm	4 Present	Positive Breeding
TQ014024	Sussex Ornithological Society	13/04/2008	Arun Valley (Ford - Lhampton)	1 Present	Date

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Ardea cinerea Grey Heron

A fairly common resident, the Grey Heron is increasing in numbers and can be found in most wetland areas standing silently at the water's edge waiting for fish prey. Breeds colonially in tall trees near to plentiful fish supplies.

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU90X	Tetrad Atlas (2007-2011) TTV data	21/04/2008	Yapton Marsh Farm	1 Present	Date
SU90X	BTO Birdtrack data	03/04/2010	Yapton Marsh Farm	1 Present	Date
SU9702	SOS Archived Records	01/04/1987	Yapton	2 Present	Positive Breeding
SU9702	Birds of Sussex (James)	01/06/1987	Yapton	1 Present	Positive Breeding
SU978024	John Fellwell	April 2007 - May 2007	Yapton Bilsham	Present	Date
SU979027	Caroline Dawson	16/05/2007	Yapton		Date
SU9804	BoEE or WeBS Count	03/03/2002	Yapton Wicks Farm	2 Present	Date
SU9804	Sussex Ornithological Society	24/03/2002	Yapton Marsh Farm	2 Present	Date
SU9804	BoEE or WeBS Count	23/03/2003	Yapton Wicks Farm	1 Present	Date
SU9804	BoEE or WeBS Count	21/03/2004	Yapton Wicks Farm	1 Present	Date
SU9804	Sussex Ornithological Society	07/04/2004	Yapton Marsh Farm	3 Present	Date
SU9804	BTO Birdtrack data	30/04/2010	Yapton CP		Date
SU9804	BTO Birdtrack data	16/05/2010	Yapton CP		Date
SU9804	BTO Birdtrack data	11/03/2011	Yapton CP	2 Present	Date
SU9804	BTO Birdtrack data	24/04/2011	Yapton CP	1 Present	Date
SU9804	BTO Birdtrack data	16/03/2012	Yapton CP	1 Present	Date
SU9804	BTO Birdtrack data	06/04/2012	Yapton CP	1 Present	Date
SU9804	BTO Birdtrack data	27/05/2012	Yapton CP	1 Present	Date
TQ0001	BoEE or WeBS Count	15/03/1998	Climping CP	1 Present	Date
TQ0001	BoEE or WeBS Count	03/03/2002	Climping CP	1 Present	Date
TQ0002	BTO Birdtrack data	04/05/2012	Arun Valley Ford Prison	1 Present	Date
TQ0003	BTO Birdtrack data	12/04/2007 - 27/04/2007	Arun Valley Ford	1 Present	Date
TQ0003	BTO Birdtrack data	10/05/2009	Arun Valley Ford	1 Present	Date

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TQ0004	BTO Birdtrack data	02/03/2010	Arun Valley - Ford Station		Date
TQ0004	BTO Birdtrack data	15/04/2011	Arun Valley - Ford Station	2 Present	Date
TQ001014	Sussex Ornithological Society	01/03/2005	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	18/05/2008	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	29/03/2007	Climping CP	1 Present	Date
TQ005039	Sussex Ornithological Society	01/04/2012	Wick Hutchinsons Farm	1 Present	Date
TQ007029	Sussex Ornithological Society	09/05/2010	Arun Valley (Ford - Lhampton)		Date
TQ008	Tetrad Atlas (2007-2011) TTV data	02/04/2008	Arun Valley Ford	1 Present	Date
TQ00C	BTO Birdtrack data	16/03/2009	Arundel Tortington	2 Present	Date
TQ00C	BTO Birdtrack data	05/04/2012	Arun Valley - Ford Station	1 Present	Date
TQ00C	BTO Birdtrack data	20/03/2012	Arun Valley - Ford Station	1 Present	Date
TQ0101	BTO Birdtrack data	12/04/2009	Climping Gap	1 Present	Date
TQ0101	BTO Birdtrack data	01/03/2012	Climping Gap	1 Present	Date
TQ0101	Arun @ Climping Seawatch Log (DM)	25/03/2012	Climping Gap	1 Present	Date
TQ0102	BTO Birdtrack data	13/03/2011	Littlehampton CP	1 Present	Date

Botaurus stellaris Bittern

This elusive bird, well known for its "boomimg" call, is rare but increasing within the UK. In the breeding season it is confined almost entirely to lowland marshes and reedbeds in Norfolk, Suffolk and Lancashire where it feeds principally on fish and amphibians. It has been recorded as a scarce wintering species in several Sussex wetlands including those at the Rye Harbour NR where extensive work has been undertaken to improve conditions for it. It is rare outside the winter months.

Bern Convention Appendix 2; Bird Population Status - red; Birds Directive Annex 1; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	**Abundance**	**Selection Based On**
SU987043	Sussex Ornithological Society	10/02/2003	Yapton Wicks Farm	1 Present	All records
SU997046	Sussex Ornithological Society	21/01/1997	Yapton Marsh Farm	1 Present	All records
TQ0003	Sussex Ornithological Society	09/12/1993 - 13/12/1993	Arun Valley Ford	1 Present	All records
TQ0003	Sussex Ornithological Society	13/02/1999	Arun Valley Ford	1 Present	All records
TQ0004043	Sussex Ornithological Society	29/12/1995	Arun Valley Ford	1 Present	All records
TQ0101	Sussex Ornithological Society	07/01/1982	Littlehampton West Beach	1 Present	All records
TQ0102	Sussex Bird Report	31/12/1970	Arun Valley (Ford - Lhampton)	1 Present	All records

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Egretta garzetta Little Egret

A medium-sized white heron with characteristic bright yellow feet. It overwinters in Britain primarily on estuaries in the south and west and it has been breeding at a few southern sites since 1996. The little egret has been recorded from many places along Sussex coasts and estuaries and Chichester and Langstone Harbours are one of the best British locations. It feeds on fish.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; EC CITES Annex A

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9804	BTO Birdtrack data	16/05/2010	Yapton CP	1 Present	Date
SU988045	Sussex Ornithological Society	16/06/2001	Yapton CP	1 Present	Date
TQ0002	BTO Birdtrack data	23/06/2009	Arun Valley Ford Prison	21 Present	roost
TQ0003	BTO Birdtrack data	27/05/2011	Arun Valley Ford	5 Present	Date
TQ0004	BTO Birdtrack data	15/05/2011	Arun Valley - Ford Station	1 Present	Date
TQ0004	BTO Birdtrack data	13/06/2011	Arun Valley - Ford Station	1 Present	Date
TQ001014	Sussex Ornithological Society	22/06/2007	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	02/06/2009	Climping CP	2 Present	Date
TQ007029	Sussex Ornithological Society	09/05/2010	Arun Valley (Ford - Lhampton)	2 Present	Date
TQ00B	Tetrad Atlas (2007-2011) TTV data	04/06/2009	Arun Valley Ford	7 Present	Date
TQ00B	BTO Birdtrack data	14/06/2009 - 30/06/2009	Arun Valley Ford	1 Present	Date
TQ00B	BTO Birdtrack data	30/06/2009	Arun Valley Ford	3 Present	Date
TQ00B	BTO Birdtrack data	20/05/2012	Arun Valley (Ford - Lhampton)	2 Present	Date
TQ00B	BTO Birdtrack data	24/06/2012	Arun Valley (Ford - Lhampton)	1 Present	Date
TQ00C	BTO Birdtrack data	10/05/2009	Arundel Tortington	2 Present	Date
TQ00C	Tetrad Atlas (Roving records)	26/06/2011	Arundel Tortington	2 Present	Date
TQ00C	BTO Birdtrack data	20/05/2012	Arun Valley - Ford Station	2 Present	Date
TQ0101	Sussex Ornithological Society	19/05/1995	Littlehampton West Beach	1 Present	Date
TQ0101	Sussex Ornithological Society	20/10/2007	Littlehampton Golf Course	43 Present	roost
TQ0102	Sussex Ornithological Society	03/06/2000	Arun Valley Ford	1 Present	Date
TQ014026	Sussex Ornithological Society	10/05/2009	Arun Valley (Ford - Lhampton)	2 Present	Date
TQ014026	Sussex Ornithological Society	09/05/2010	Arun Valley (Ford - Lhampton)	1 Present	Date
TQ019025	Sussex Ornithological Society	12/06/2010	Littlehampton CP		Date

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Streptopelia turtur Turtle Dove

A scarce and declining summer visitor and passage migrant that breeds at the northern edge of its range in the UK. It is confined largely to the south and east of England and is associated with fertile arable farmland in warm, dry situations where it feeds on seed. Nests in thick hedges, bushes and low trees in woodland edges, copses, commons, heaths and parkland. Easily identified by its evocative purring call.

Bird Population Status - red; Birds Directive Annex 2.2; EC CITES Annex A; Environmental Stewardship Target Species (High Weald); Environmental Stewardship Target Species (Low Weald); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs); Environmental Stewardship Target Species (Wealden Greensand); Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec. UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	**Abundance**	**Selection Based On**
SU9804	Sussex Ornithological Society	01/06/1982	Yapton Marsh Farm	3 Present	Positive Breeding
SU9804	Breeding Survey in d area	30/06/1956	Yapton Marsh Farm	1 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/1957	Yapton Marsh Farm	1 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	24/04/1984	Littlehampton West Beach	1 Present	Positive Breeding

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Alcedo atthis Kingfisher

Fairly common resident and occasional winter visitor which is widespread across Sussex, but often declines following hard winters. A brilliantly coloured blue and orange bird which can be found in lowland freshwater areas such as rivers, ponds and streams, and during the winter on the coast and in estuarine areas. Nests in hole in riverbank or sandpit.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9804	SOS Archived Records	03/04/1983	Yapton CP	1 Present	Date
SU987043	Sussex Ornithological Society	19/08/1998	Yapton CP	1 Present	Date
SU969045	Sussex Ornithological Society	11/05/2003	Yapton Marsh Farm	1 Present	Date
SU969049	Sussex Ornithological Society	18/08/2001	Yapton Marsh Farm	2 Present	Date
TQ0001	Sussex Ornithological Society	06/08/1990	Climping CP	1 Present	Date
TQ0001	Sussex Ornithological Society	25/08/1990	Climping CP	4 Present	Date
TQ0002	SOS Archived Records	02/07/1988	Climping Church Farm	1 Present	Date
TQ0003	SOS Archived Records	09/08/1987	Arun Valley Ford	1 Present	Date
TQ0003	Sussex Ornithological Society	14/08/1993	Arun Valley Ford	2 Present	Date
TQ0003	Arun @ BTO Garden Bird Watch	05/03/2007	Arun Valley Ford	1 Present	Date
TQ001039	Sussex Ornithological Society	13/08/2000	Arun Valley Ford	2 Present	Date
TQ004041	Sussex Ornithological Society	06/08/2007	Arun Valley Ford	1 Present	Date
TQ005035	Sussex Ornithological Society	31/07/2000	Arun Valley Ford	2 Present	Date
TQ0101	SOS Archived Records	20/08/1978	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	29/08/1998	Littlehampton West Beach	3 Present	Date
TQ0102	Sussex Ornithological Society	12/07/1990	Littlehampton Marina	1 Present	Date
TQ0102	Sussex Ornithological Society	01/08/1990	Littlehampton Marina	2 Present	Date
TQ0102	Sussex Ornithological Society	11/08/1990	Littlehampton Marina	1 Present	Date
TQ0102	Sussex Ornithological Society	13/08/1990	Littlehampton Marina	1 Present	Date
TQ0102	Sussex Ornithological Society	15/08/1994	Littlehampton Marina	1 Present	Date
TQ0102	Sussex Ornithological Society	28/07/1995	Littlehampton Marina	1 Present	Date
TQ0102	Sussex Ornithological Society	14/03/1997	Littlehampton Marina	1 Present	Date
TQ0102	Sussex Ornithological Society	16/08/1999	Littlehampton Marina	1 Present	Date

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Accipiter gentilis Goshawk

A large hawk which is a very scarce resident in Sussex and has bred in the county. It breeds and hunts in woodland, but is regularly recorded away from woodland areas. It feeds on birds and mammals.

Convention on Migratory Species: Appendix 2; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU978024	John Feltwell	April 2007 - May 2007	Yapton Bilsham	Present	Date
SU979027	Caroline Dawson	16/05/2007	Yapton		Date

Circus aeruginosus Marsh Harrier

This bulky raptor is the largest of the Harriers, and is a scarce spring and autumn passage migrant, and a very scarce winter visitor. It is a very scarce breeder which bred for the first time in 2004. Usually found in and around wetland habitats such as reedbeds and marshes, where it can feed on small birds and mammals. It has recovered well from historic declines, however it is still a bird of conservation concern.

Bird Population Status - amber; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ005040	Sussex Ornithological Society	17/06/2003	Arun Valley - Ford Station	1 Present	Date
TQ010040	Sussex Ornithological Society	17/06/2003	Arun Valley Ford	1 Present	Date
TQ010040	Sussex Ornithological Society	25/06/2003	Arun Valley Ford	1 Present	Date
TQ0101	Sussex Ornithological Society	30/04/1988	Littlehampton West Beach	1 Present	Positive Breeding

Circus pygargus Montagu's Harrier

Very scarce spring and autumn visitor; last bred successfully in 1982. Most records are from open downland between the Arun Valley and Beachy Head with rather fewer along the coast. It's diet consists mainly of small birds and mammals, lizards and insects.

Bird Population Status - amber; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0101	SOS Archived Records	20/09/1986	Littlehampton West Beach	1 Present	Positive Breeding

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Milvus milvus Red Kite

This unmistakable large bird of prey is a very scarce breeding resident (first bred in 2004) and scarce but increasing visitor. Red kites were almost extinct in the UK by the early 1900s but in the last two decades, they have been re-introduced to England and Scotland, with magnificent results. It is easily recognised by its red colour and forked tail. It feeds on carrion, worms and small mammals.

Bird Population Status - amber; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0002	BTO Birdtrack data	20/04/2010	Climping CP	1 Present	Date
TQ003B	Tetrad Atlas (Roving records)	25/04/2011	Arun Valley Ford	Present Taxon	Date

Falco peregrinus Peregrine

Scarce breeding resident, usually nesting on cliffs. This large and powerful falcon is well-known for its propensity to roost on tall buildings and has been widely recorded in Sussex. Takes medium-sized birds, such as wading birds, pigeons and small ducks.

Bern Convention Appendix 2; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0001	Sussex Ornithological Society	18/03/1992	Climping CP	1 Present	Date
TQ0102	Sussex Ornithological Society	05/07/1999	Littlehampton Marina	1 Present	Date
TQ018030	Sussex Ornithological Society	07/04/2007	Littlehampton CP	2 Present	Date

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Falco subbuteo Hobby

Scarce breeding summer visitor and regular passage migrant. An agile species which feeds on insects and small birds, associated with heathlands that is now also found on farmland with pine clumps and woodland. Widely recorded in Sussex.

Bern Convention Appendix 2; Convention on Migratory Species; Appendix 2; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0001	Sussex Ornithological Society	06/07/1951	Climping CP	1 Present	Date
TQ0001	Sussex Ornithological Society	30/08/2012 - 31/08/2012	Climping CP	1 Present	Date
TQ0003	Sussex Ornithological Society	29/07/2001	Arun Valley Ford	1 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	13/07/2001	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	12/07/2002	Climping Atherington	1 Present	Date
TQ001014	Sussex Ornithological Society	28/07/2002	Climping Atherington	1 Present	Date
TQ001014	Sussex Ornithological Society	27/07/2002	Climping Atherington	1 Present	Date
TQ001014	Sussex Ornithological Society	18/08/2002	Climping Atherington	1 Present	Date
TQ001014	Sussex Ornithological Society	26/04/2003	Climping Atherington	1 Present	Date
TQ001014	Sussex Ornithological Society	15/06/2003	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	08/08/2003	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	24/07/2005	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	27/08/2005	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	04/08/2006	Climping CP	1 Present	Date
TQ003025	Sussex Ornithological Society	20/07/2001	Climping Church Farm	1 Present	Date
TQ00C	Tetrad Atlas (Roving records)	26/06/2011	Arundel Tortington	2 Present	Date

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TQ0101	Sussex Ornithological Society	16/05/1992	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	22/05/1992	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	10/05/1994	Littlehampton Golf Course	1 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	28/05/1994	Littlehampton Golf Course	1 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	19/05/1998	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	13/05/2000	Climping Gap	2 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	19/08/2007	Climping Gap	1 Present	Date
TQ0101	Sussex Ornithological Society	29/08/2010	Climping Gap	1 Present	Date
TQ0102	Sussex Ornithological Society	10/05/1988 - 10/05/1988	Littlehampton Marina	1 Present	Date
TQ0102	Sussex Ornithological Society	01/05/1993	Littlehampton Marina	1 Present	Positive Breeding

Coturnix coturnix Quail

This small migratory gamebird is a scarce summer visitor; recorded in variable numbers from year to year. Most records are along the Downs from Beachy Head to central West Sussex in grass or cereal fields, where it feeds on insects and seeds. Quails are rarely seen, but have a distinctive call which can be heard at night. Formerly occasional in winter.

Bird Population Status - amber; Birds Directive Annex 2.2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9702	Sussex Ornithological Society	28/05/1997	Yapton	2 Present	Date
SU982038	Sussex Ornithological Society	28/05/1997	Yapton	1 Present	Date
TQ0103	Sussex Ornithological Society	28/04/1987	Littlehampton Courtwick	1 Present	Positive Breeding

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Perdix perdix Grey Partridge

A medium-sized gamebird with a distinctive orange face, which is a scarce resident species that has suffered a major decline nationally. It was formerly widespread on the South Downs but is now a scarce resident there; much declined but benefitting locally through conservation effort. Found in arable areas where it feeds on leaves, seeds and insects. However, it continues to be recorded in larger numbers in the far East of the county around Rye Bay.

Bird Population Status - red; Birds Directive Annex 2.1; Environmental Stewardship Target Species (High Weald); Environmental Stewardship Target Species (Low Weald); Environmental Stewardship Target Species (Pevensey Levels); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs); Environmental Stewardship Target Species (Weslden Greensand); Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9703	Sussex Ornithological Society	29/04/2006	Bamham	2 Present	Date
SU9804	Sussex Ornithological Society	30/06/1995	Yapton Marsh Farm	2 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/1997	Yapton Marsh Farm	1 Present	Positive Breeding
SU9804	Breeding Survey in d area	30/06/1998	Yapton Marsh Farm	1 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/2000	Yapton Marsh Farm	1 Present	Positive Breeding
SU9804	Sussex Ornithological Society	01/06/2002	Yapton Marsh Farm	1 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/2004	Yapton Marsh Farm	1 Present	Positive Breeding
SU993024	Anon @ Chichester Harbour Conservancy	11/05/2005	Cobnor Farm (Ch)	1 Present	Date
TQ0001	Sussex Ornithological Society	13/04/1990	Climping CP	2 Present	Date
TQ0001	Sussex Ornithological Society	24/04/1990	Climping CP	2 Present	Date
TQ0001	Sussex Ornithological Society	12/06/1990	Climping CP	4 Present	Date
TQ0001	Sussex Ornithological Society	27/06/2003	Climping CP	22 Present	Positive Breeding
TQ0003	Sussex Ornithological Society	03/03/1996	Arun Valley Ford	4 Present	Date

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TQ001014	Sussex Ornithological Society	08/03/2001	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	31/05/2001	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	20/06/2001	Climping CP	10 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	16/03/2002	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	15/04/2002	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	19/05/2002	Climping Atherington	2 Present	Date
TQ001014	Sussex Ornithological Society	14/06/2002	Climping Atherington	3 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	21/06/2002	Climping Atherington	2 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	27/07/2002	Climping Atherington	2 Present	Date
TQ001014	Sussex Ornithological Society	01/03/2003	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	18/03/2003	Climping CP	4 Present	Date
TQ001014	Sussex Ornithological Society	03/05/2003	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	26/05/2003	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	07/03/2004	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	13/03/2004	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	21/03/2004	Climping CP	3 Present	Date
TQ001014	Sussex Ornithological Society	09/04/2004	Climping CP	4 Present	Date
TQ001014	Sussex Ornithological Society	23/04/2004	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	02/05/2004	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	13/05/2004	Climping CP	2 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	15/05/2004	Climping CP	3 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	18/05/2004	Climping CP	4 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	26/05/2004	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	06/06/2004	Climping CP	3 Present	Date
TQ001014	Sussex Ornithological Society	12/06/2004	Climping CP	3 Present	Date
TQ001014	Sussex Ornithological Society	24/06/2004	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	02/07/2004	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	23/03/2005	Climping CP	3 Present	Date
TQ001014	Sussex Ornithological Society	18/04/2005	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	19/04/2005	Climping CP	3 Present	Date
TQ001014	Sussex Ornithological Society	25/04/2005	Climping CP	2 Present	Date

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TQ001014	Sussex Ornithological Society	29/05/2005	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	29/05/2006	Climping CP	1 Present, 1 Male	Date
TQ001014	Sussex Ornithological Society	04/08/2006	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	10/08/2006	Climping CP	1 Present	Date
TQ001014	Sussex Ornithological Society	12/06/2006	Climping CP	2 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	23/05/2007	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	26/05/2008	Climping CP	2 Present	Date
TQ001014	Sussex Ornithological Society	02/03/2009	Climping CP	1 Present	Date
TQ002016	Sussex Ornithological Society	11/06/2006	Climping CP	2 Present	Date
TQ006015	Sussex Ornithological Society	22/05/2007	Climping CP	2 Present	Date
TQ007013	Sussex Ornithological Society	18/05/2004	Climping Gap	1 Present	Date
TQ008010	Sussex Ornithological Society	17/04/2008	Climping CP	2 Present	Date
TQ009011	Sussex Ornithological Society	02/07/2011	Arun Valley (Ford - Lhampton)	20 Present	Date
TQ010034	Sussex Ornithological Society	01/04/2012	Wick Hutchinsons Farm	6 Present	Date
TQ010037	Sussex Ornithological Society	06/05/2011	Littlehampton Courtwick	3 Present	Date

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TQ0101	Sussex Ornithological Society	24/05/1995	Littlehampton Golf Course	10 Present	Date
TQ0101	Sussex Ornithological Society	28/03/1997	Littlehampton Golf Course	2 Present	Date
TQ0101	Sussex Ornithological Society	23/03/1998	Littlehampton Golf Course	2 Male	Date
TQ0101	Sussex Ornithological Society	20/05/1998	Littlehampton West Beach	2 Male	Date
TQ0101	Sussex Ornithological Society	30/05/1998	Littlehampton West Beach	2 Present	Date
TQ0101	Sussex Ornithological Society	07/06/1998	Littlehampton West Beach	2 Present	Date
TQ0101	Sussex Ornithological Society	07/06/1998	Littlehampton Golf Course	1 Male	Positive Breeding
TQ0101	Sussex Ornithological Society	03/10/1998	Littlehampton Golf Course	8 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	04/10/1998	Littlehampton Golf Course	21 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	01/05/1999	Littlehampton Golf Course	3 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	01/01/2000	Climping Gap	4 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	10/04/2001	Littlehampton Golf Course	6 Present	Date
TQ0101	Sussex Ornithological Society	04/04/2006	Climping Gap	2 Present	Date
TQ0101	Sussex Ornithological Society	29/04/2006	Climping Gap	4 Present	Date
TQ0101	Sussex Ornithological Society	30/08/2007	Climping Gap	5 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	02/06/2009	Climping Gap	2 Present	Date
TQ0101	Sussex Ornithological Society	27/03/2010	Climping Gap		Positive Breeding
TQ013012	Sussex Ornithological Society	06/03/2004	Climping Atherington	2 Present	Date
TQ013039	Sussex Ornithological Society	18/05/2011	Littlehampton Courtwick	1 Present	Date
TQ014033	Sussex Ornithological Society	27/05/2011	Littlehampton Courtwick	2 Present	Date

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Cettia cetti Cetti's Warbler

A small, but loud, skulking bird that is a scarce but increasing resident, passage migrant and winter visitor. First recorded from Sussex in 1962 and slowly increasing. Most records are from coastal locations where it's favoured habitat of thick, damp overgrown vegetation is most common.

Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU90X	BTO Birdtrack data	03/04/2010	Yapton Marsh Farm	2 Present	Positive Breeding
SU9804	Sussex Ornithological Society	01/06/2002	Yapton Marsh Farm	1 Present	Date
SU9804	BTO Birdtrack data	19/04/2009	Yapton CP	1 Present	Date
SU9804	BTO Birdtrack data	11/05/2009	Yapton CP	1 Present	Date
SU9804	BTO Birdtrack data	10/03/2010	Yapton CP		Date
SU9804	BTO Birdtrack data	30/04/2010	Yapton CP	1 Present	Date
SU9804	BTO Birdtrack data	16/05/2010 - 30/05/2010	Yapton CP		Date
SU9804	BTO Birdtrack data	09/06/2010	Yapton CP	1 Present	Date
SU9804	BTO Birdtrack data	02/07/2010	Yapton CP	1 Present	Date
SU9804	BTO Birdtrack data	11/03/2011	Yapton CP	1 Present	Date
SU9804	BTO Birdtrack data	24/04/2011 - 30/04/2011	Yapton CP	2 Present	Date
TQ0003	BTO Birdtrack data	28/04/2009	Arun Valley Ford	1 Present	Positive Breeding
TQ00B	Tetrad Atlas (2007-2011) TTV data	02/04/2008	Arun Valley Ford	1 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	16/04/1994	Littlehampton Golf Course	1 Present	Date
TQ013026	Sussex Ornithological Society	12/06/2010	Arun Valley (Ford - Lhampton)	1 Present	Positive Breeding
TQ014042	Sussex Ornithological Society	18/05/2011	Wick Hutchinsons Farm	1 Present	Date
TQ016042	Sussex Ornithological Society	11/05/2011	Wick Hutchinsons Farm	1 Present	Date

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Corvus corax Raven

This is a huge black bird with a large bill and diamond shape tail, it is a scarce and increasing breeding resident. It first bred in the modern era in 2001. It is usually recorded from the coast, especially where there are cliffs, but is sometimes seen inland too. It feeds on carrion.

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ006	BTO Birdtrack data	11/03/2012	Arun Valley (Ford - Lhampton)	1 Present	Data

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Emberiza calandra Corn Bunting

A non-descript brown bunting that is a fairly common but decreasing resident with most records from the Downs and the east of East Sussex. One of the few UK bird species largely dependent on cropped land and it seems particularly to like barley. It feeds on seeds and insects. It can also be found on heathland and open countryside. Its has had a dramatic population decline in the UK.

Bird Population Status - red; Environmental Stewardship Target Species (Romney Marsh); Nerc Act 2006; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU970030	Sussex Ornithological Society	14/03/1998	Yapton Drove Lane Farm	3 Present	All records
SU9701	SOS Archived Records	09/06/1976	Yapton Bilsham	1 Present	All records
SU9702	SOS Archived Records	19/06/1975	Yapton	1 Present	All records
SU9702	SOS Archived Records	21/06/1976	Yapton	2 Present	All records
SU9702	SOS Archived Records	01/01/1986	Yapton	1 Present	All records
SU9702	SOS Archived Records	01/01/1988	Yapton	1 Present	All records
SU9702	Sussex Ornithological Society	01/05/1991	Yapton	1 Present	All records
SU9702	Anon @ Corn Bunting Survey 93-94	01/06/1993	Yapton	1 Present	All records
SU9703	SOS Archived Records	11/05/1988	Yapton	6 Present	All records
SU9703	Sussex Ornithological Society	01/05/1991	Yapton	1 Present	All records
SU9703	Anon @ Corn Bunting Survey 93-94	01/06/1993	Yapton	2 Present	All records
SU9704	Anon @ Corn Bunting Survey 93-94	01/06/1993	Yapton	2 Present	All records
SU9802	Anon @ Corn Bunting Survey 93-94	01/06/1993	Yapton	1 Present	All records
SU9803	Anon @ Corn Bunting Survey 93-94	01/06/1993	Yapton	4 Present	All records

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SU9804	SOS Archived Records	04/03/1989	Yapton CP	13 Present	All records
SU9804	SOS Archived Records	15/12/1988	Yapton CP	12 Present	All records
SU9804	Sussex Ornithological Society	03/03/1989 - 03/03/1989	Yapton CP	8 Present	All records
SU9804	Sussex Ornithological Society	05/12/1989	Yapton CP	17 Present	All records
SU9804	Sussex Ornithological Society	01/06/1992	Yapton Marsh Farm	2 Present	All records
SU9804	Arun @ Corn Bunting Survey 93-94	01/06/1993	Yapton	1 Present	All records
SU9804	Sussex Ornithological Society	14/12/1993	Yapton Marsh Farm	6 Present	All records
SU9804	Sussex Ornithological Society	30/06/1994	Yapton Marsh Farm	4 Present	All records
SU9804	Sussex Ornithological Society	15/10/1994	Yapton Marsh Farm	4 Present	All records
SU9804	Sussex Ornithological Society	23/02/1995	Yapton Marsh Farm	2 Present	All records
SU9804	Sussex Ornithological Society	06/09/1995	Yapton Wicks Farm	4 Present	All records
SU9804	Sussex Ornithological Society	30/06/1995	Yapton Marsh Farm	2 Present	All records
SU9804	Sussex Ornithological Society	28/10/1995	Yapton Marsh Farm	1 Present	All records
SU9804	Sussex Ornithological Society	14/12/1995	Yapton Wicks Farm	4 Present	All records
SU9804	Sussex Ornithological Society	16/02/1996	Yapton Marsh Farm	2 Present	All records
SU9804	Breeding Survey in d area	30/06/1996	Yapton Marsh Farm	3 Present	All records
SU9804	Sussex Ornithological Society	30/10/1996	Yapton Marsh Farm	10 Present	All records
SU9804	Sussex Ornithological Society	03/02/1997	Yapton Marsh Farm	4 Present	All records
SU9804	Sussex Ornithological Society	30/06/1997	Yapton Marsh Farm	1 Present	All records
SU9804	Sussex Ornithological Society	30/06/1998	Yapton Marsh Farm	1 Present	All records
SU9804	Breeding Survey in d area	30/06/1999	Yapton Marsh Farm	1 Present	All records
SU9804	Sussex Ornithological Society	30/06/2000	Yapton Marsh Farm	1 Present	All records
SU9804	Sussex Ornithological Society	01/01/2002	Yapton Marsh Farm	1 Present	All records
SU9804	Sussex Ornithological Society	01/06/2002	Yapton Marsh Farm	1 Present	All records
SU9804	Sussex Ornithological Society	07/11/2003	Yapton Marsh Farm	1 Present	All records
SU9804	Sussex Ornithological Society	30/06/2004	Yapton Marsh Farm	1 Present	All records
SU982040	Sussex Ornithological Society	25/06/2011	Yapton Marsh Farm	1 Male	All records
SU983033	SOS Archived Records	02/04/1986	Yapton	2 Present	All records
SU985036	Sussex Ornithological Society	01/05/1991	Yapton Wicks Farm	1 Present	All records
SU985046	Sussex Ornithological Society	01/05/1991	Yapton Marsh Farm	1 Present	All records
SU985039	Sussex Ornithological Society	01/05/1991	Yapton Wicks Farm	1 Present	All records

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SU987040	Sussex Ornithological Society	21/12/2001	Yapton Marsh Farm	8 Present	All records
SU987040	Sussex Ornithological Society	08/03/2005	Yapton Wicks Farm	1 Present	All records
SU988039	Sussex Ornithological Society	21/06/2001	Yapton Wicks Farm	1 Present	All records
SU988040	Sussex Ornithological Society	17/10/2000	Arun Valley Ford	30 Present	All records
SU988040	Sussex Ornithological Society	15/06/2001	Yapton Wicks Farm	1 Present	All records
SU988041	Sussex Ornithological Society	27/01/2001	Yapton Marsh Farm	7 Present	All records
SU988043	Sussex Ornithological Society	18/08/2001	Yapton Marsh Farm	3 Present	All records
SU9902	Sussex Ornithological Society	10/05/1992	Arun Valley Ford	1 Present	All records
SU9902	Arun @ Corn Bunting Survey 93-94	01/06/1993	Arun Valley Ford	5 Present	All records
SU9903	SOS Archived Records	18/04/1986	Yapton	11 Present	All records
SU991048	Sussex Ornithological Society	01/05/1991	Yapton Marsh Farm	1 Present	All records
SU992025	Sussex Ornithological Society	16/02/1994	Arun Valley Ford	1 Present	All records
SU994024	Sussex Ornithological Society	16/02/1994	Arun Valley Ford	1 Present	All records
SU998038	Sussex Ornithological Society	12/05/2000	Arun Valley Ford	1 Male	All records
TQ0001	Sussex Ornithological Society	08/09/1991	Climping CP	2 Present	All records
TQ0001	Arun @ Corn Bunting Survey 93-94	01/06/1993	Climping CP	1 Present	All records
TQ0003	SOS Archived Records	20/11/1983	Arun Valley Ford	39 Present	All records
TQ0003	Sussex Ornithological Society	24/12/1991	Arun Valley Ford	3 Present	All records
TQ0003	Arun @ Corn Bunting Survey 93-94	01/06/1993	Arun Valley Ford	1 Present	All records
TQ0003	Sussex Ornithological Society	08/04/1995	Arun Valley Ford	8 Present	All records
TQ0003	Sussex Ornithological Society	06/04/1995	Arun Valley Ford	8 Present	All records
TQ001033	Sussex Ornithological Society	15/03/1998	Arun Valley Ford	1 Present	All records
TQ002016	Sussex Ornithological Society	18/03/1993	Climping Gap	1 Present	All records
TQ005048	Sussex Ornithological Society	12/05/2000	Arun Valley Ford	1 Male	All records
TQ007033	SOS Archived Records	16/06/1975	Arun Valley Ford	1 Present	All records
TQ009010	Sussex Ornithological Society	23/05/1990	Littlehampton West Beach	1 Male	All records
TQ00C	BTO Birdtrack data	16/01/2010	Arundel Tortington	6 Present	All records

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TQ0101	SOS Archived Records	01/07/1983	Littlehampton West Beach	1 Present	All records
TQ0101	SOS Archived Records	03/11/1983	Littlehampton West Beach	10 Present	All records
TQ0101	SOS Archived Records	14/04/1987	Littlehampton West Beach	1 Present	All records
TQ0101	SOS Archived Records	10/06/1987	Littlehampton West Beach	2 Male	All records
TQ0101	SOS Archived Records	09/11/1987	Littlehampton West Beach	1 Present	All records
TQ0101	SOS Archived Records	17/10/1988	Littlehampton West Beach	2 Present	All records
TQ0101	Sussex Ornithological Society	26/03/1989 - 26/03/1989	Climping CP	2 Present	All records
TQ0101	Sussex Ornithological Society	29/04/1991	Climping Gap	1 Present	All records
TQ0101	Sussex Ornithological Society	16/05/1991	Climping Gap	2 Present	All records
TQ0101	BTO Birdtrack data	19/08/2012	Climping Gap	1 Present	All records
TQ0102	Sussex Ornithological Society	05/05/1991	Littlehampton Marina	1 Present	All records
TQ0103	SOS Archived Records	24/04/1987	Littlehampton Wick	1 Present	All records
TQ0103	SOS Archived Records	01/05/1987	Littlehampton Wick	1 Male	All records
TQ013030	Sussex Ornithological Society	24/01/1992	Arun Valley Ford	35 Present	All records
TQ015039	Sussex Ornithological Society	11/02/1992	Littlehampton CP	12 Present	All records
TQ017013	Sussex Ornithological Society	04/05/1990 - 23/05/1990	Littlehampton Golf Course	1 Present	All records

Coccothraustes coccothraustes Hawfinch

This is our largest finch, with a massive powerful bill for eating seeds, buds and shoots. A scarce breeding resident and very scarce passage migrant. An elusive finch of mixed deciduous woodland recorded rather more frequently in East Sussex. This species is probably under-recorded in the county owing to its secretive nature.

Bern Convention Appendix 2, Bird Population Status - red, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU983032	SOS Archived Records	23/05/1986	Yapton	1 Present	All records

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Loxia curvirostra Common Crossbill

A chunky finch with a large head and bill. It is an irruptive species; usually a scarce visitor but fairly common in some years. It is a very scarce breeder in some years.Feeds almost exclusively on seeds in conifer woodlands. Breeds occasionally and can be seen flying in family groups or larger flocks.

Bern Convention Appendix 2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0102	Sussex Ornithological Society	24/07/1997	Littlehampton Marina	4 Present	Date

Delichon urbicum House Martin

A distinctive hirundine with a forked tail and white rump. It is a common summer visitor and abundant passage migrant. It is more abundant in urban areas than in the countryside because of the availability of suitable nesting sites in the eaves of buildings, but it will feed on around insects that it finds on agricultural land and around water.

Bern Convention Appendix 2; Bird Population Status - amber

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ001014	Sussex Ornithological Society	24/05/2001	Climping CP	10 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	10/05/2002	Climping Atherington	3 Present	Positive Breeding
TQ002013	Anon @ SOS House Martin;Anon @ Sparrow Survey 2006	01/06/2006	Climping CP	6 Present	Positive Breeding
TQ002013	Anon @ SOS House Martin;Anon @ Sparrow Survey 2006	04/07/2006	Climping CP	3 Present	Positive Breeding
TQ002014	Sussex Ornithological Society	27/08/2008	Climping CP	4 Present	Positive Breeding

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Hirundo rustica Swallow

Our familiar swallow with long tail streamers is a common summer visitor and abundant passage migrant. They are agile in flight and spend most of their time on the wing hunting. They often breed in quiet farm buildings with nearby ponds and open pasture especially near cattle where they can feed on plentiful insects. Reedbeds are used as pre-migration roosts in late summer and early autumn.

Bern Convention Appendix 2; Bird Population Status - amber

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9804	Sussex Ornithological Society	01/06/1982	Yapton Marsh Farm	4 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/1994	Yapton Marsh Farm	4 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/1995	Yapton Marsh Farm	2 Present	Positive Breeding
SU9804	Breeding Survey in d area	30/06/1999	Yapton Marsh Farm	2 Present	Positive Breeding
SU9804	Sussex Ornithological Society	01/06/2002	Yapton Marsh Farm	2 Present	Positive Breeding
SU9804	Sussex Ornithological Society	30/06/2004	Yapton Marsh Farm	2 Present	Positive Breeding
TQ0003	BTO Birdtrack data	10/04/2009 - 28/04/2009	Arun Valley Ford	1 Present	Positive Breeding
TQ0003	BTO Birdtrack data	28/04/2009	Arun Valley Ford	2 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	18/06/2001	Climping CP	2 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	12/05/2002	Climping Atherington	2 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	23/07/2002	Climping Atherington	4 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	02/07/2004	Climping CP	6 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	30/07/2005	Climping CP	4 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	29/06/2006	Climping CP	5 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	14/07/2007	Climping CP	4 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	26/04/2008	Climping CP	1 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	24/06/2008	Climping CP	5 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	04/05/2009	Climping CP	4 Present	Positive Breeding
TQ001014	Sussex Ornithological Society	06/07/2009	Climping CP	4 Present	Positive Breeding
TQ00B	Tetrad Atlas (2007-2011) TTV data	04/06/2009	Arun Valley Ford	3 Present	Positive Breeding
TQ00C	Tetrad Atlas (2007-2011) TTV data	12/06/2009	Arundel Torlington	6 Present	Positive Breeding
TQ00C	BTO Birdtrack data	19/06/2010	Arundel Torlington	5 Present	Positive Breeding

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Motacilla flava Yellow Wagtail

This small elegant yellow bird is a scarce and localised summer visitor, a scarce passage migrant in spring and fairly common in autumn. It is primarily a bird of coastal levels, mainly in East Sussex, and also areas of short grass. Its diet consists of small insects, including flies and beetles; it is often seen associating with cattle to find insects. It appears to have been in decline since at least the 1980s, most likely due to loss of habitat for nesting and feeding.

Bern Convention Appendix 2; Bird Population Status - red; Environmental Stewardship Target Species (Romney Marsh); Nerc Act 2006; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0001	Sussex Ornithological Society	02/05/1990	Climping CP	2 Present	Date
TQ0101	Sussex Ornithological Society	19/05/1991	Climping Gap	17 Present	Date
TQ0102	SOS Archived Records	14/06/1987	Arun Valley (Bury-Houghton)	4 Present	Positive Breeding
TQ0102	Sussex Ornithological Society	02/05/1990	Littlehampton Marina	1 Present	Date

Phoenicurus ochruros Black Redstart

A rare resident; scarce passage migrant and very scarce winter visitor. A recent colonist of the British Isles and first recorded as breeding on the cliffs near Hastings (1923). This robin-sized bird can be found in coastal area where it feeds on insects, spiders, berries and seeds.

Bern Convention Appendix 2; Bird Population Status - amber; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0101	SOS Archived Records	11/05/1988	Littlehampton West Beach	1 Present	Date

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Passer montanus Tree Sparrow

A bird that has had large fluctuations in population in the past but which has been in decline in the British Isles for some time. In Sussex it is a scarce and declining resident, passage migrant and winter visitor more abundant in East Sussex than in the West. It is mainly a bird of open farmland with hedgerows and free-standing trees where it feeds on insects and seeds.

Bird Population Status - red; Environmental Stewardship Target Species (High Weald); Environmental Stewardship Target Species (Low Weald); Environmental Stewardship Target Species (Pevensey Levels); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs); Environmental Stewardship Target Species (Wealden Greensand); Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	**Abundance**	**Selection Based On**
SU9703	Sussex Ornithological Society	17/12/1992	Yapton	1 Present	All records
SU9604	Sussex Ornithological Society	05/12/1989	Yapton CP	2 Present	All records
TQ0001	Sussex Ornithological Society	18/03/1978 - 01/04/1978	Climping CP	250 Present	All records
TQ0001	Sussex Ornithological Society	20/08/1989	Climping CP	12 Present	All records
TQ0001	Sussex Ornithological Society	24/08/1989	Climping CP	15 Present	All records
TQ0001	Sussex Ornithological Society	09/09/1989	Climping CP	1 Male	All records
TQ0001	Sussex Ornithological Society	14/09/1989	Climping CP	10 Present	All records
TQ0001	Sussex Ornithological Society	10/04/1990	Climping CP	6 Present	All records
TQ0001	Sussex Ornithological Society	10/08/1990	Climping CP	16 Present	All records
TQ0001	Sussex Ornithological Society	02/09/1990	Climping CP	21 Present	All records
TQ0001	Sussex Ornithological Society	21/10/1990	Climping CP	21 Present	All records
TQ0001	Sussex Ornithological Society	13/11/1990	Climping CP	8 Present	All records
TQ0001	Sussex Ornithological Society	14/03/1991	Climping CP	15 Present	All records
TQ0001	Sussex Ornithological Society	05/09/1991	Climping CP	12 Present	All records

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TQ0002	SOS Archived Records	30/12/1987	Climping Church Farm	3 Present	All records
TQ0002	SOS Archived Records	12/01/1988	Climping Church Farm	1 Present	All records
TQ0002	SOS Archived Records	18/01/1988	Climping Church Farm	2 Present	All records
TQ0002	SOS Archived Records	19/01/1988	Climping Church Farm	2 Present	All records
TQ0002	SOS Archived Records	28/03/1988	Climping Church Farm	3 Present	All records
TQ0002	SOS Archived Records	11/04/1988	Climping Church Farm	6 Present	All records
TQ0002	SOS Archived Records	24/04/1988	Climping Church Farm	5 Present	All records
TQ0002	SOS Archived Records	08/05/1988	Climping Church Farm	4 Present	All records
TQ0002	SOS Archived Records	26/08/1988	Climping Church Farm	18 Present	All records
TQ0002	SOS Archived Records	11/09/1988	Climping Church Farm	8 Present	All records
TQ0002	SOS Archived Records	30/09/1988	Climping Church Farm	5 Present	All records
TQ0002	SOS Archived Records	11/11/1988	Climping Church Farm	4 Present	All records
TQ003018	SOS Archived Records	18/03/1988	Climping CP	5 Present	All records
TQ005026	SOS Archived Records	09/01/1988 - 10/01/1988	Climping Church Farm	9 Present	All records
TQ010016	Sussex Ornithological Society	30/09/1991	Climping CP	4 Present	All records
TQ0101	SOS Archived Records	06/11/1982	Littlehampton West Beach	50 Present	All records
TQ0101	SOS Archived Records	29/09/1987	Littlehampton West Beach	10 Present	All records
TQ0101	SOS Archived Records	09/09/1988	Littlehampton West Beach	1 Present	All records
TQ0101	SOS Archived Records	14/10/1988	Littlehampton Golf Course	3 Present	All records
TQ0101	SOS Archived Records	30/10/1988	Climping CP	2 Present	All records
TQ0101	Sussex Ornithological Society	08/09/1990	Climping CP	1 Present	All records
TQ0101	Sussex Ornithological Society	08/10/1990	Littlehampton West Beach	8 Present	All records
TQ013013	SOS Archived Records	13/02/1977	Climping CP	100 Present	All records
TQ016025	Sussex Ornithological Society	11/02/1991	Littlehampton CP	18 Present	All records
TQ016025	Sussex Ornithological Society	12/02/1991	Littlehampton CP	20 Present	All records
TQ016025	Sussex Ornithological Society	13/02/1991	Littlehampton CP	23 Present	All records
TQ016025	Sussex Ornithological Society	19/02/1991	Littlehampton CP	25 Present	All records

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Phylloscopus sibilatrix Wood Warbler

A very scarce summer resident and passage migrant. This large white and yellow leaf warbler is associated with damp oak woodland where it feeds mainly on insects and spiders. Its best locations are in the north of our area, although it has never been common in Sussex and seems to be declining.

Bird Population Status - red: Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0001	Sussex Ornithological Society	23/04/1990	Climping CP	1 Male	Date
TQ0101	SOS Archived Records	10/08/1981	Littlehampton West Beach	1 Present	Date
TQ0101	Sussex Ornithological Society	14/05/1992	Littlehampton West Beach	1 Present	Date
TQ0101	Sussex Ornithological Society	30/04/1994	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	29/04/1995	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	30/04/1995	Littlehampton Golf Course	2 Present	Date
TQ0101	Sussex Ornithological Society	27/08/1996	Littlehampton Golf Course	1 Present	Date
TQ0102	Sussex Ornithological Society	10/05/1994	Littlehampton Marina	1 Present	Date

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Regulus ignicapilla Firecrest

Scarce breeder; passage migrant and winter visitor. A bird that shows a preference for the edges of mature spruce plantations. This tiny beautiful bird is recorded from only a few scattered locations in our area.

Bern Convention Appendix 2; Bird Population Status - amber; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0001	Sussex Ornithological Society	12/03/1990	Climping CP	1 Present	Date
TQ0001	Sussex Ornithological Society	18/03/1990	Climping CP	1 Present	Date
TQ0001	Sussex Ornithological Society	29/04/1990	Climping CP	1 Present	Date
TQ0001	Sussex Ornithological Society	20/03/1999	Climping CP	1 Present	Date
TQ0002	BTO Birdtrack data	19/03/2010 - 27/03/2010	Climping CP	2 Present	Date
TQ0002	BTO Birdtrack data	22/03/2010	Climping CP		Date
TQ0002	BTO Birdtrack data	16/03/2011	Climping Gap	1 Present	Date
TQ0002	BTO Birdtrack data	18/03/2012 - 19/03/2012	Climping Gap	1 Present	Date
TQ0101	Sussex Ornithological Society	09/03/1992	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	04/04/1993	Littlehampton Golf Course	2 Present	Date
TQ0101	Sussex Ornithological Society	26/03/1994	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	07/04/1994	Climping Gap	1 Present	Date
TQ0101	Sussex Ornithological Society	08/04/1995	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	16/03/1996	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	23/03/1996	Littlehampton Golf Course	3 Present	Date
TQ0101	Sussex Ornithological Society	25/03/1996	Littlehampton Golf Course	2 Present	Date
TQ0101	Sussex Ornithological Society	30/03/1996	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	08/03/1997	Littlehampton Golf Course	1 Present	Date
TQ0101	Sussex Ornithological Society	22/03/2010	Climping Gap	9 Present	Date
TQ0101	Sussex Ornithological Society	27/03/2010	Climping Gap		Date
TQ0102	Sussex Ornithological Society	19/03/1995	Littlehampton Marina	1 Present	Date
TQ0102	Sussex Ornithological Society	22/03/1997	Littlehampton Marina	1 Present	Date
TQ012010	Sussex Ornithological Society	19/03/1994	Climping Gap	1 Present	Date

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Panurus biarmicus Bearded Tit

A scarce breeding resident, and a very scarce passage migrant and winter visitor. A reed bed species, though sometimes recorded elsewhere when dispersing in the autumn. It's "ping ping" call can often be heard when in flight, and it feeds on insects, insect larvae, spiders and seeds.

Bern Convention Appendix 2; Bird Population Status - amber; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0101	Sussex Ornithological Society	07/07/1987	Littlehampton West Beach	1 Present	Positive Breeding
TQ0101	Sussex Ornithological Society	16/04/1994	Littlehampton Golf Course	2 Present	Date

Dendrocopos minor Lesser Spotted Woodpecker

The size of a sparrow, this is Europe's smallest woodpecker. It is a scarce, possibly now very scarce, and declining Sussex resident that favours damp, open, broad leaved woodland. It feeds on insects, especially larvae, spiders and wood-boring insects. It requires decaying wood in which it makes a new nest chamber each year. Its population is scattered across Sussex in suitable areas; the county holds a significant proportion of the national population.

Bern Convention Appendix 2; Bird Population Status - red; Nerc Act 2006; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
TQ0001	Sussex Ornithological Society	25/01/1989	Climping CP	1 Male	All records
TQ0001	Sussex Ornithological Society	20/05/1989	Climping CP	1 Male	All records
TQ0001	Sussex Ornithological Society	26/03/1990	Climping CP	1 Male	All records
TQ0001	Sussex Ornithological Society	01/04/1990	Climping CP	1 Male	All records
TQ0001	Sussex Ornithological Society	14/01/1991	Climping CP	1 Present	All records
TQ0001	Anon @ SOS Website	23/11/2005	Climping CP	2 Present	All records
TQ0101	SOS Archived Records	16/04/1985	Littlehampton CP	1 Present	All records
TQ0102	Sussex Ornithological Society	09/09/1990	Littlehampton Marina	1 Present	All records
TQ0102	Sussex Ornithological Society	01/06/1991	Littlehampton Marina	1 Present	All records

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Tyto alba Barn Owl

A distinctive and much loved bird of the countryside, this scarce breeding resident declined substantially during the last century mainly due to loss of habitat, particularly areas of rough grassland where it hunts for mice, voles and shrews. The position has been improving recently with many nest boxes being erected, although the conversion of barns in Sussex has had a negative impact on potential breeding sites.

Bern Convention Appendix 2; Bird Population Status - amber; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

Grid Reference	Recorder	Date	Locality	Abundance	Selection Based On
SU9701	BTO Birdtrack data	19/11/2012	Yapton Bilsham	1 Present	All records
SU9702	SOS Archived Records	30/01/1988	Colonor Farm (Ch)	1 Present	All records
SU9702	SOS Archived Records	20/04/1988	Colonor Farm (Ch)	1 Present	All records
SU972010	Sussex Ornithological Society	27/11/1998	Middleton on Sea CP	1 Present	All records
SU974023	Sussex Ornithological Society	30/11/1999	Yapton Grove Lane Farm	1 Present	All records
SU9804	Sussex Ornithological Society	28/12/1995	Yapton Marsh Farm	1 Present	All records
SU9804	Sussex Ornithological Society	31/08/1996	Yapton Marsh Farm	1 Present	All records
SU9804	Sussex Ornithological Society	05/12/1998	Yapton Marsh Farm	1 Present	All records
SU989049	Sussex Ornithological Society	01/02/1999	Yapton Marsh Farm	1 Present	All records
SU989049	Sussex Ornithological Society	11/08/2001	Yapton Marsh Farm	1 Present	All records
SU994044	Sussex Ornithological Society	08/12/1995	Yapton Marsh Farm	1 Present	All records
SU994044	Sussex Ornithological Society	17/01/1996	Yapton Wicks Farm	1 Present	All records
SU994045	Sussex Ornithological Society	24/12/1995	Yapton Wicks Farm	1 Present	All records
SU995045	Sussex Ornithological Society	13/11/2000	Yapton Wicks Farm	1 Present	All records
SU995045	Sussex Ornithological Society	12/02/2003	Arun Valley Ford	1 Present	All records
TQ0001	SOS Archived Records	30/04/1986	Climping CP	1 Present	All records
TQ0001	BTO Birdtrack data	14/04/2013	Climping	1 Present	All records
TQ0002	SOS Archived Records	17/03/1987	Climping Church Farm	1 Present	All records
TQ0002	Sussex Ornithological Society	08/04/1995	Climping Church Farm	1 Present	All records
TQ0002	Sussex Ornithological Society	06/11/1995	Climping Church Farm	1 Present	All records
TQ0002	Sussex Ornithological Society	19/11/1995	Climping Church Farm	2 Present	All records
TQ0002	Sussex Ornithological Society	24/11/1995	Climping Church Farm	2 Present	All records
TQ0002	Sussex Ornithological Society	01/01/1996	Climping Church Farm	1 Present	All records

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TQ0003	SOS Archived Records	30/06/1977	Arun Valley Ford	1 Present	All records
TQ0003	SOS Archived Records	16/03/1978	Arun Valley Ford	1 Present	All records
TQ0003	Sussex Ornithological Society	15/12/1997	Arun Valley Ford	1 Present	All records
TQ0004	BTO Birdtrack data	18/04/2011	Arun Valley - Ford Station	1 Present	All records
TQ001014	Sussex Ornithological Society	21/03/2009	Arundel Tortington	1 Present	All records
TQ009035	Sussex Ornithological Society	22/12/1991	Arun Valley Ford	1 Present	All records
TQ0101	BTO Birdtrack data	14/04/2013	Climping Gap	1 Present	All records
TQ0103	Sussex Ornithological Society	13/06/2011	Littlehampton Courtwick	1 Present	All records
TQ0103	Sussex Ornithological Society	19/06/2011	Littlehampton Courtwick	1 Present	All records
TQ0104	Sussex Ornithological Society	24/09/2006	Wick Hutchinsons Farm	1 Present	All records
TQ014039	Sussex Ornithological Society	28/12/2011	Wick Brook Barn Farm	1 Present	All records
TQ015027	Sussex Ornithological Society	14/01/2000	Littlehampton CP	1 Present	All records
TQ015037	Sussex Ornithological Society	03/06/2011	Littlehampton Courtwick	1 Present	All records
TQ015038	Sussex Ornithological Society	03/06/2011	Littlehampton Courtwick	1 Present	All records
TQ015039	Sussex Ornithological Society	30/05/2011	Littlehampton Courtwick	1 Present	All records
TQ015048	Sussex Ornithological Society	06/05/2011	Wick Hutchinsons Farm	1 Present	All records
TQ016038	Sussex Ornithological Society	09/06/2010	Littlehampton Courtwick		All records
TQ016038	Sussex Ornithological Society	29/05/2011	Littlehampton Courtwick	2 Present	All records
TQ016040	Sussex Ornithological Society	03/06/2011	Wick Hutchinsons Farm	1 Present	All records
TQ016043	Sussex Ornithological Society	03/07/1999	Wick Hutchinsons Farm	2 Present	All records
TQ016043	Sussex Ornithological Society	13/06/2000	Wick Hutchinsons Farm	2 Present	All records
TQ017023	Sussex Ornithological Society	06/12/2000	Littlehampton Marina	1 Present	All records
TQ017023	Sussex Ornithological Society	14/12/2000	Littlehampton Marina	1 Present	All records
TQ017032	BTO Birdtrack data	01/03/2012	Arun Valley Ford Prison	1 Present	All records
TQ017038	Recorder @ Cresswell Associate	2008	Wick	Present Taxon	All records
TQ017037	Sussex Ornithological Society	13/06/2011	Littlehampton Courtwick	1 Present	All records
TQ017038	Sussex Ornithological Society	29/05/2011	Littlehampton Courtwick	1 Present	All records
TQ018037	Sussex Ornithological Society	01/06/1997	Littlehampton Courtwick	6 Present	All records
TQ018038	Sussex Ornithological Society	19/06/2011	Littlehampton Courtwick	1 Present	All records
TQ018038	Sussex Ornithological Society	27/06/2011	Littlehampton Courtwick	1 Present	All records
TQ019013	Sussex Ornithological Society	02/03/2006	Houghton CP	1 Present	All records

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Biodiversity Action Plan Species Inventory

The BAP Species Inventory does not include bat, bird or otter records.

Bat and bird records are included in separate inventories, while otter records are not included in SxBRC reports.

The UK Biodiversity Action Plan (BAP), published in 1994, was the UK Government's response to signing the Convention on Biological Diversity (CBD) at the 1992 Rio Earth Summit. The new **UK post-2010 Biodiversity Framework** replaces the previous UK level BAP, though the lists of priority species agreed under the UK BAP still form the basis of much biodiversity work in the UK. The current strategy for England is **'Biodiversity 2020: A Strategy for England's wildlife and ecosystem services'**. Although the UK BAP has been succeeded, Species Action Plans (SAPs) developed under the UK BAP still remain important and valuable reference sources for background information on Priority Species under the UK Post-2010 Biodiversity Framework.

The new framework includes five internationally agreed strategic goals and supporting targets to be achieved by 2020. The five strategic goals agreed were:

- **Strategic Goal A:** Address the underlying causes of biodiversity loss by mainstreaming biodiversity across government and society
- **Strategic Goal B:** Reduce the direct pressures on biodiversity and promote sustainable use
- **Strategic Goal C:** To improve the status of biodiversity by safeguarding ecosystems, species and genetic diversity
- **Strategic Goal D:** Enhance the benefits to all from biodiversity and ecosystem services
- **Strategic Goal E:** Enhance implementation through participatory planning, knowledge management and capacity building.

Further information on the UK BAP and details of the species and habitat action plans can be found on the JNCC website.

BAP species within this report

- **BAP records are labelled so that only one record per species per grid reference is included in a SxBRC report. This will usually be the most up to date record.**
- **Species which appear in the 'England Biodiversity List' to meet the requirements of Section 41 of the NERC Act (2006)* are labelled with the symbol ℕ.**

*** Natural Environment & Rural Communities (NERC) Act**

The NERC Act (2006) was established with the intention to help ensure that biodiversity becomes an integral consideration in the development of policies, and that decisions of public bodies work with nature and not against it.

The England Biodiversity List has been drawn up to meet the requirements of Section 41 of the Act. The S41 list consists of **943 species** and **56 habitats** of principal importance in England and will be used to guide decision-makers such as public bodies, including local and regional authorities, in implementing their duty under Section 40 of the NERC Act.

Further details of the NERC Act can be found on the Natural England website.

Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sbrc.org.uk
www.sbrc.org.uk
01273 497521

UK BIODIVERSITY ACTION PLAN SPECIES INVENTORY REPORT

Please note that bat, bird and otter records are not included in this report

Land at Ford Airfield + 2km radius

20 July 2015 ESD/15/495 Search Area: SU9701 to TQ0104

Jeff Picksley (Artemis Ecological Consulting)

Lucanus cervus — Stag Beetle — N

Insect - beetle (Coleoptera)

A beetle of broadleaved woodland, parks, other pasture woodland and gardens. The larvae live in the decaying wood of deciduous trees, often in roots and stumps. Widely recorded from West Sussex but rare in East Sussex and apparently absent from much of the vice-county.

Designations

Habitats Directive Annex 2 - non-priority species, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU981032	John Knight	04/03/2011	Downview close Yapton, West Sussex (VC13)

Formica pratensis — Meadow Ant — N

Insect - hymenopteran

There is one anonymous Sussex record (1997) from Beacon Hill, Rottingdean, but this is unlikely to be correct as the species is currently known from dry heathland in Dorset.

Designations

IUCN (1994) - Lower risk - near threatened, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU978024	John Feltwell	April 2007 - May 2007	Bilsham Road, Yapton Bilsham
SU979027	Caroline Dawson	16/05/2007	Yapton

Spilosoma lubricipeda — White Ermine — N

Insect - moth

A white moth with black speckles. Flies in the summer months and 'woolly bear' larvae feed on low-growing plants. Widespread across Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	21/05/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)
TQ017011	Paul Stevens,Tim Freed	17/06/2005	West Beach, Climping

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ARUN DISTRICT COUNCIL F/19/16/EIS

Spilosoma luteum — Buff Ermine — N

Insect - moth

A yellowish-buff summer-flying moth normally with black speckles. Larvae feed on low-growing plants as well as trees and shrubs. Widespread and often common in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9810 32	John Knight	25/06/2005	8 Downview Close Yapton, Yapton
TQ0010 14	Matthew Sennitt	20/08/2012	Dove Cottage, Clymping Street

Tyria jacobaeae — Cinnabar — N

Insect - moth

A red and black day-flying moth whose orange and black ringed larvae feed on ragwort and related plants. Common across Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ00090146	Matthew Sennitt	23/04/2014	Dove Cottage Garden
TQ0010 14	Matthew Sennitt	27/05/2013	Dove Cottage, Clymping Street
TQ0170 11	Paul Stevens;Tim Freed	30/06/2006	West Beach, Climping

Watsonalla binaria — Oak Hook-tip — N

Insect - moth

A widespread moth of woods and parks, though said to be rapidly declining. Relatively common in Sussex, but numbers are inclined to fluctuate.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9810 32	John Knight	05/09/1996	Downview CloseYapton

Ennomos fuscantaria — Dusky Thorn — N

Insect - moth

A moth of woods and parks flying from late July to October. Larvae live on ash (Fraxinus excelsior). Scattered across Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ0010 14	Matthew Sennitt	18/09/2009	Dove Cottage, Clymping Street; Clymping, Dove Cottage, Clymping

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Epirrhoe galiata — Galium Carpet — N

Insect - moth

A geometrid moth found on a range of coastal habitats including sandhills, shingle beaches and cliffs, inland being found on chalk downland, limestone hills and sometimes open moorland, the larva feeding on various species of Galium. Found over much of GB. Mainly along the coast and on the Downs in our area.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU981032	John Knight	05/09/1996	Downview CloseYapton

Perizoma albulata — Grass Rivulet

Insect - moth

A nationally local species of chalk grassland, sand dunes and shingle over much of lowland UK. In Sussex it is found on much of the downs, but is very scarce except between Brighton and Eastbourne in East Sussex and the downs above Storrington in West Sussex. Caterpillars feed on the ripening seeds of Yellow Rattle.

Designations

Sussex Biodiversity Action Plan, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU981032	John Knight	25/06/2005	8 Downview Close Yapton, Yapton

Scopula marginepunctata — Mullein Wave — N

Insect - moth

A mostly coastal moth, the larva feeding on low plants. Southern England and Wales, also noted from Cumbria, Yorkshire and a few localities in Scotland. Most Sussex records are from the Rye Harbour area in East Sussex, or Pagham Harbour in West Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ017011	Paul Sievens,Tim Freed	30/06/2006	West Beach, Climping

Timandra comae — Blood-Vein — N

Insect - moth

A widespread and moderately common moth in southern Britain with records from across Sussex. It is regarded as being in rapid decline.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU981032	John Knight	05/09/1996	Downview CloseYapton
TQ031014	Matthew Sennitt	02/08/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

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Satyrium w-album White-letter Hairstreak N

Insect - butterfly

A butterfly with elm-feeding larvae that declined dramatically after Dutch elm disease. Recorded from 17 1km squares since 2000, mostly near the Downs in East and West Sussex.

Designations

IUCN (2001) - Endangered, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
TQ003026	Joyce Gay	27/07/2004	Clymping Churchyard
TQ014013	Paul Day	04/07/2009	Atherington, The Mill, West Sussex (VC13)
TQ014023	Dan Hoare	29/06/2006	Littlehampton Bridge
TQ014026	Neil Hulme	29/06/2007	Littlehampton Bridge
TQ015025	Dave Green,Paul James,Penny Green	08/07/2007	Littlehampton
TQ019019	Paul Day	04/07/2009	Littlehampton, Ferry Road, West Sussex (VC13)

Thecla betulae Brown Hairstreak N

Insect - butterfly

A butterfly requiring sloe scrub in which to breed. Widely, but very thinly, distributed in West Sussex, but gone from the east and generally in decline nationally.

Designations

IUCN (2001) - Vulnerable, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
TQ0102	Celia Curtis	31/08/2012	A259, Clymping

Acronicta rumicis Knot Grass N

Insect - moth

A widely distributed moth in in the southern half of the British Isles, but one that is marked decline. Widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU881032	John Knight	05/09/1986	Downview CloseYapton
TQ001014	Matthew Sennitt	02/08/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

Agrochola lychnidis Beaded Chestnut N

Insect - moth

A brown noctuid moth flying in September and October. Larvae feed on low plants and later on the leaves of trees and shrubs. Widespread in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	10/10/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

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Apamea anceps — Large Nutmeg — N

Insect - moth

Although a widespread species in the UK, it is in marked decline and is very thinly distributed across Sussex. Larvae feed on various grasses.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU981032	John Knight	25/06/2005	8 Downview Close Yapton, Yapton

Apamea remissa — Dusky Brocade — N

Insect - moth

A generally distributed moth of open woodland, marshes, downland, commons and other grassy places that is in marked decline. Larvae live on grasses. Widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ0001014	Matthew Sennitt	02/08/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

Atethmia centrago — Centre-barred Sallow — N

Insect - moth

An orange and brown noctuid moth of woodlands and hedgerows on the wing in late summer and early autumn. Larvae feed on ash. Widespread in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ0001014	Matthew Sennitt	16/09/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

Caradrina morpheus — Mottled Rustic — N

Insect - moth

A common noctuid moth whose larvae feed on nettle, dandelion and other low-growing plants. It is in marked decline in the UK, bu has been very widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ0001014	Matthew Sennitt	03/07/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

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Diarsia rubi Small Square-spot N

Insect - moth

A brown noctuid moth which flies in early and again in late summer. Larvae eat a wide variety of low-growing plants. Widespread and often abundant in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec. Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ00090147	Matthew Sennitt	08/06/2014	Dove Cottage Garden
TQ001014	Matthew Sennitt	07/09/2012	Dove Cottage, Clymping Street
TQ017011	Paul Stevens;Tim Freed	30/06/2006	West Beach, Climping

Hoplodrina blanda Rustic N

Insect - moth

A noctuid moth of gardens, grasslands and heath with larvae that feed on a variety of low-growing plants. Very widely recorded in Sussex, but in marked decline in the UK generally.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec. Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	22/08/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

Hydraecia micacea Rosy Rustic N

Insect - moth

A widespread noctuid moth, but one that is in marked decline in the British Isles. Larvae feed in the larger roots of a variety of plants such as docks. Very widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec. Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	07/09/2012	Dove Cottage, Clymping Street

Melanchra persicariae Dot Moth N

Insect - moth

A dark noctuid moth with a distinctive white wing spot. Larvae feed on a wide variety of low-growing plants and trees. Widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec. Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU981032	John Knight	05/09/1996	Downview CloseYapton

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Mesoligia literosa — Rosy Minor — N

Insect - moth

A noctuid moth with its strongholds on or near the coast, but also widely distributed inland in Sussex, though now in marked decline in the UK. The caterpillars feed on grasses.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU981032	John Knight	25/06/2005	8 Downview Close Yapton, Yapton
TQ001014	Matthew Sennitt	23/08/2009	Dove Cottage, Clymping Street, Clymping, Dove Cottage, Clymping

Mythimna comma — Shoulder-striped Wainscot — N

Insect - moth

One of the more strongly patterened wainscot moths flying in midsummer. The larvae are found on various grasses.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	03/07/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)
TQ017011	Paul Stevens;Tim Freed	30/08/2006	West Beach, Climping

Orthosia gracilis — Powdered Quaker — N

Insect - moth

An early-flying noctuid moth attracted to sallow blossom and other flowers in April and May. Larvae usually on sallow in southern Britain. Widespread in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	08/04/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

Xanthia gilvago — Dusky-lemon Sallow — N

Insect - moth

This nationally local species is widely distributed throughout Britain. In Sussex it has declined greatly and is now only recorded from two very well recorded spots in Peacehaven and Walberton. It may still be widely distributed, but in very low numbers. Caterpillars feed on Elms.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	13/11/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

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Xanthia icteritia — Sallow — N

Insect - moth

An attractive yellow and brown autumn-flying noctuid. The larvae feed first on sallow catkins then on low-growing plants. Widespread in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ0001014	Matthew Sennitt	13/11/2011	Dove Cottage, Clymping Street, Clymping, BN17 5RQ, West Sussex (VC13)

Bufo bufo — Common Toad — N

Amphibian

Still a widespread species in Sussex but declining due to loss of habitat and other factors. Toads tend to have large populations centred on particular breeding sites and they may become locally extinct if these are damaged or destroyed. Common toads are legally protected against sale.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU9820028	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU9840031	Nick Sturt	2000 - 2010	Burndell Copse
SU9990016	Matthew Sennitt	22/03/2010	Cottage Pond, Climping Street, Climping
TQ0001014	Matthew Sennitt	23/03/2010	Meadow Ponds, Dove Cottage, Climping Street, Climping

Triturus cristatus — Great Crested Newt — N

Amphibian

The largest British newt. It is black or dark brown and the males have a crest along the back and an orange underside spotted with black. Frequently confused with male smooth newts, which also have a crest. The great crested newt prefers larger, open ponds that are free of fish and waterfowl and has declined substantially in Britain and across Europe, mainly due to habitat loss. The species is fully legally protected and Britain has special responsibility for its conservation as some of the best European populations occur here. Scattered across East and Central Sussex but scarce in the west.

Designations

Bern Convention Appendix 2, European Protected Species, Habitats Directive Annex 2 - non-priority species, Habitats Directive Annex 4, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Protected Species Register, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 5 Section 9.4b), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b), Wildlife and Countryside Act 1981 (Schedule 5)

Grid Reference	Recorder	Date	Locality
SU977033	Arun District Countr Officer	04/05/2002	North End Rd, Yapton, Yapton
SU999016	Matthew Sennitt	23/03/2010	Cottage Pond, Climping Street
TQ00070146	Bev Wadge	18/06/2010	ClimpingDove Cottage Meadow Pond
TQ0001014	Matthew Sennitt	26/03/2010	Ponds at Dove Cottage, Climping Street, Climping

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Erinaceus europaeus West European Hedgehog N

Terrestrial mammal

The hedgehog is one of our most familiar and endearing small mammals and it is still widespread in Sussex and Britain. However, hedgehog numbers have been adversely affected by changes in agriculture with less permanent pasture and fewer hedgerows. Climate change may also affect the availability of earthworms, one of their main foods, during hot, dry summers. There is some survey evidence that hedgehogs are most common where badgers are rarer and badgers do, of course, prey on them.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9702	Ian Powell	2011	Yapton Drove Lane Farm
SU972037	Matthew Sennitt	05/08/2009	Yapton Road, Barnham
SU972038	John Knight	23/09/2003	B2233 Yapton, West Sussex (VC13)
SU974012	John Knight	04/08/2002	VC13 West Sussex, West Sussex (VC13)
SU975020	John Knight	May 2003	VC13 West Sussex, West Sussex (VC13)
SU975033	John Knight	29/10/2007	Yapton
SU976027	Recorder @ Sussex Mammal Group Stall	2007	Yapton CP
SU978038	Matthew Sennitt	06/08/2001	Church Lane, Yapton, West Sussex (VC13)
SU981042	John Knight	12/11/2003	B2132 Yapton, West Sussex (VC13)
SU982031	Neil Mitchell	06/09/2000	B2233 Yapton, West Sussex (VC13)
SU984031	Nick Sturt	2000 - 2010	Burndell Copse
SU986029	Matthew Sennitt	06/08/2001	Burndell Road, Yapton, West Sussex (VC13)
SU986039	John Knight	10/05/2002	VC13 West Sussex, West Sussex (VC13)
SU990039	John Knight	23/04/2010	Ford Lane Yapton, West Sussex (VC13)
SU997023	John Knight	27/02/2006	Horsemere Green Lane, Climping, Climping
SU998021	Recorder @ WildCall	30/05/2013	Garden of 17 Appletree Walk, Climping, West Sussex (VC13)
SU999018	John Knight	28/04/2000	A259 Climping, West Sussex (VC13)
TQ000033	Matthew Sennitt	22/07/2001	Nelson Row, Ford Road, West Sussex (VC13)
TQ0001	Ian Powell	2011	Elmer Sands, Elmer nr Middleton
TQ001014	Matthew Sennitt	16/05/2010	Doves Cottage, Climping Street, Climping
TQ001029	Matthew Sennitt	06/08/2001	Ford Prison, West Sussex (VC13)
TQ001036	Matthew Sennitt	09/09/2009	Ford Road, Rodney Crescent
TQ002027	Matthew Sennitt	09/08/2009	Ford Road, Ford Prison
TQ003018	John Knight	07/04/2002	A259 Climping, West Sussex (VC13)
TQ003019	Matthew Sennitt	14/06/2010	A259 Climping
TQ016026	Matthew Sennitt	27/06/2010	A259 Littlehamptong

Lepus europaeus Brown Hare N

Terrestrial mammal

Widely distributed throughout England and Wales and probably an ancient introduction. Hares occur on a wide range of mainly open farmland and nationally the species is thought to be undergoing a steady decline. Much less common in Sussex that it used to be, but widely recorded.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU995043	Peter Trimming	10/06/2013	Yapton

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Arvicola amphibius — European Water Vole — N

Terrestrial mammal

The fastest declining native British mammal, the water vole was 'Ratty' in Wind in the Willows. Water voles prefer slow flowing streams, rivers and dykes with steep earth banks and luxuriant emergent vegetation. They have been in decline for over a century mainly due to loss of habitat while the presence of American mink has greatly hastened this decline. In many areas of mainland Britain water voles are already extinct but there are still some strong populations in Sussex. A legally protected species, listed on the Sussex Rare Species Inventory and the subject of a Sussex Species Action Programme.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec. Sussex Biodiversity Action Plan, Sussex Protected Species Register, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 5 Section 9.1 (killing/injuring)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.1 (taking)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.2), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.4, subdivision a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.4b), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b), Wildlife and Countryside Act 1981 (Schedule 5)

Grid Reference	Recorder	Date	Locality
TQ00211038B0	Rowenna Baker	2011	FDB Caravan Park, Ford
TQ003039	Richard James	23/08/2004	Ford, Ford CP
TQ00880001442	Frances Southgate	23/08/2014	Ryebank Rife
TQ011000144	Frances Southgate	11/09/2014	Church Farm, Climping
TQ011200145	Frances Southgate	11/09/2014	Church Farm, Climping
TQ01240164	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ0124101795	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ01260170	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ01260174	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ01560042A6	Gareth Williams	05/09/2013	Black Ditch Outfall
TQ0160104301	Gareth Williams	05/09/2013	Black Ditch Outfall

Micromys minutus — Harvest Mouse — N

Terrestrial mammal

A tiny orange-brown mouse with a long, prehensile tail once familiar in cornfields but now mainly confined to field edges, grassy hedges and scrub. The mice make breeding nests of woven grass up to one metre above the ground. Widespread changes in agricultural practice have removed large areas of suitable habitat in which harvest mice appeared to be abundant and numbers are thought to have declined substantially. It has been widely recorded in Sussex, often in places near the coast.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec. Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU984031	Nick Sturt	2000 - 2010	Burndell Copse

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Anguis fragilis Slow-worm N

Reptile

A legally protected legless lizard resembling a small snake. Slow-worms are widespread in southern England and found in open habitats such as rough grassland, heath and on road and railway embankments. They are often common in urban and suburban areas. Like most reptiles and amphibians they have declined considerably and need protection wherever they occur.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Protected Species Register, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 5 Section 9.1 (killing/injuring)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU978024	John Fellwell	April 2007 - May 2007	Bilsham Road, Yapton Bilsham
SU978043	Sophie Miller	30/08/2010 - 17/09/2010	Lake Dell, Yapton, West Sussex (VC13)
SU982028	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU984031	Nick Sturt	2000 - 2010	Burndell Copse
TQ001000144	Matthew Sennitt	02/07/2014	Dove Cottage Garden
TQ001014	Matthew Sennitt	16/08/2013	Dove Cottage, Climping Street, Climping
TQ0102	SARG Sussex Amphibian & Reptile Grp	19/07/1996	Littlehampton By-Pass, West Sussex (VC13)
TQ015025	Recorder @ Halcrow Group Ltd	18/06/2010	River Arun,Littlehampton
TQ015030	Recorder @ Halcrow Group Ltd	28/06/2010	River Arun,Littlehampton
TQ015031	Recorder @ Halcrow Group Ltd	29/06/2010	River Arun,Littlehampton

Natrix natrix Grass Snake N

Reptile

A widespread, but legally protected, snake with a normally olive body flecked with black and a distinctive yellow collar. Frequent in Sussex near places where its food, largely frogs, is readily available. Like most reptiles and amphibians, grass snakes have declined considerably and need protection wherever they occur.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Protected Species Register, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 5 Section 9.1 (killing/injuring)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU9702	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	15/07/1996	Shamrock, Bilsham Road, Yapton, West Sussex (VC13)
SU984031	Nick Sturt	2000 - 2010	Burndell Copse

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Zootoca vivipara Common Lizard N

Reptile

The most abundant British lizard and widespread in Sussex in the Weald and along the coast. Probably under-recorded and increasingly confined to small areas of open sunny habitat. A legally protected species due to concern about its overall decline.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Protected Species Register, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 5 Section 9.1 (killing/injuring)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU984031	Nick Shutt	2000 - 2010	Burndell Copse
TQ0002	SARG Sussex Amphibian & Reptile Grp	28/10/1987	Climping, West Sussex (VC13)
TQ0101	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/01/1991	Littlehampton, West Sussex (VC13)
TQ0102	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	30/07/1993	Littlehampton, West Sussex (VC13)
TQ013010	SARG Sussex Amphibian & Reptile Grp	11/07/1998	Climping Beach, West Sussex (VC13)
TQ015025	Recorder @ Halcrow Group Ltd	29/06/2010	River ArunLittlehampton
TQ015027	Recorder @ Halcrow Group Ltd	23/06/2010	River ArunLittlehampton
TQ015030	Recorder @ Halcrow Group Ltd	29/06/2010	River ArunLittlehampton
TQ015031	Recorder @ Halcrow Group Ltd	29/06/2010	River ArunLittlehampton
TQ017025	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	12/10/1980	Littlehampton Edge Of Campsite, West Sussex (VC13)
TQ017036	Recorder @ Cresswell Associate	2008	Courtwick Park, Wick
TQ01780109	Graeme Lyons	03/06/2014	Climping Dunes
TQ018023	Recorder @ Halcrow Group Ltd	11/06/2010	River ArunLittlehampton
TQ019022	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	03/05/1999	Littlehampton Marina, West Sussex (VC13)

Sium latifolium Greater Water-parsnip N

Flowering plant

An aquatic perennial now generally found in ditches, growing amongst other emergent species, or in reedswamp. A declining species currently known from several sites in West Sussex but only two in East Sussex.

Designations

IUCN (2001) - Endangered, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ00C	SPASU	1978	West Sussex (VC13)

Muscari neglectum Grape-hyacinth N

Flowering plant

A grape hyacinth possibly native in East Anglia, but introduced elsewhere. Easily confused with Scilla armenaica, more commonly found in gardens. Two East Sussex, one West Sussex record.

Designations

IUCN (2001) - Vulnerable, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ0004023	D Donovan	2005	Climping, Climping CP
TQ011019	D Donovan	2005	Climping, Climping CP

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Centaurea cyanus Cornflower N

Flowering plant

Once common, cornflowers suffered a massive decline in the last century but still continue to appear in scattered localities. While some of these are clearly introductions, records from arable fields and appearances on disturbed road banks before any seeding has occurred may be native.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU988044	Anon @ Sussex Bot. Rec. Soc.,Betty Bishop	1997	Ford, West Sussex (VC13)

Ranunculus arvensis Corn Buttercup N

Flowering plant

A long-established arable weed which was once abundant on light soils in Sussex but is now extremely scarce and normally occurs in very limited numbers. Recorded from eight sites in East and West Sussex between 1987 and 2000.

Designations

Farm Environment Plan Guidance 007- Table 3, IUCN (2001) - Critically endangered, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ01459024432	D. Donovan	16/04/2011	Littlehampton, Littlehampton CP

Stellaria palustris Marsh Stitchwort N

Flowering plant

A perennial of wet places, including pastures, grassy fens and marshes, especially in areas with standing water in winter. In our area confined to the Arun Valley, West Sussex.

Designations

IUCN (2001) - Vulnerable, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ014042	Frances Abraham	11/09/1997	Lyminster South 1,15,16

Carex divisa Divided Sedge N

Flowering plant

Native. This sedge of brackish meadows and tidal river banks can be locally frequent in Sussex. It appears to be surviving well.

Designations

IUCN (2001) - Vulnerable, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ0004	Anon @ Sussex Bot. Rec. Soc.,D Donovan	1993	West Sussex (VC13)
TQ004045	Nick Sturt,Elizabeth Sturt	29/05/2005	Ford, West Sussex (VC13)

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Puccinellia fasciculata Borrer's Saltmarsh-grass N

Flowering plant

A grass of bare places by the sea, in grazing marshes around cattle-poached pools and depressions and on earthen sea walls. This species was once widespread along the Sussex coast but has declined considerably. Currently known from seven sites along the East and West Sussex coast.

Designations

IUCN (2001) - Vulnerable, Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec, Sussex Biodiversity Action Plan, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ010035	Frances Abraham	11/09/1997	Wick Brooks 8,10

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Sussex Rare Species Inventory

The Rare Species Inventory does not include bat, bird or otter records.

Bat and bird records are included in separate inventories, while otter records are not included in SxBRC reports.

The Sussex Rare Species Inventory (RSI) contains over 3,400 species. These species are selected according to strict criteria of rarity associated with their occurrence in Sussex.

The criteria for selection of species are listed below:

- **All species in the British Red Data Books including all Notable fauna and Nationally Scarce flora and British endemic taxa which have ever occurred in Sussex whether extinct or not.**
- **Species included in the UK Biodiversity Action Plan (BAP species).**
- **Internationally rare taxa cited in the Bern Convention, IUCN Red Data lists, or EU Habitats Directive which are not covered by any of the above.**

The RSI has been designed to be comprehensive for species but representative for records. This is managed in several ways:

- RSI records are labelled so that only one record per species per grid reference gets flagged up. This will usually be the most up to date record.
- SxBRC does not hold marine information other than coastal species and cetaceans.
- The following species are relatively common in Sussex but are in the RSI because they are Notable or Nationally Scarce. Only one record of these species is labelled per 2km tetrad:

Round-headed Rampion	*Phyteuma orbiculare*
Frogbit	*Hydrocharis morus-ranae*
Adonis Blue	*Lysandra bellargus*
Long-winged Conehead	*Conocephalus discolor (syn. C. fuscus)*
Variable Damselfly	*Coenagrion pulchellum*
Downy Emerald	*Cordulea aenea*

For records of rare vascular plants, bryophytes and lichens the Record Centre recommends the Sussex Rare Plant Register, compiled by the Sussex Botanical Recording Society. This gives information on the distribution and status of over 400 Sussex Rare Plants, putting data from RSI reports into a Sussex-wide context. Please see our website for more information.

IUCN Categories of Rarity

The following is a summary of the IUCN categories of rarity. For further information visit the IUCN website.

Extinct (EX)
A taxon is Extinct when there is no reasonable doubt that the last individual has died.

Extinct in the Wild (EW)
A taxon is Extinct in the Wild when it is known only to survive in cultivation, in captivity or as a naturalized population (or populations) well outside the past range.

Critically Endangered (CR)
A taxon is Critically Endangered when it is considered to be facing an extremely high risk of extinction in the wild.

Endangered (EN)
A taxon is Endangered when it is considered to be facing a very high risk of extinction in the wild.

Vulnerable (VU)
A taxon is Vulnerable when it is considered to be facing a high risk of extinction in the wild.

Near Threatened (NT)
A taxon is Near Threatened when it is close to qualifying for or is likely to qualify for a threatened category in the near future.

Least Concern (LC)
A taxon is Least Concern when it has been evaluated against the criteria and does not qualify for Critically Endangered, Endangered, Vulnerable or Near Threatened.

Data Deficient (DD)
A taxon is Data Deficient when there is inadequate information to make a direct, or indirect, assessment of its risk of extinction based on its distribution and/or population status.

Not Evaluated (NE)
A taxon is Not Evaluated when it is has not yet been evaluated against the criteria.

Regionally Scarce (NR)
Occurs in 5 or fewer 10km squares in a particular region of Britain. Locally determined.

Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sxbrc.org.uk
www.sxbrc.org.uk
01273 497521

SUSSEX RARE SPECIES INVENTORY REPORT

Please note that bat, bird and otter records are not included in this report

Land at Ford Airfield + 2km radius

20 July 2015 ESDI15/495 Search Area: SU9701 to TQ0104

Jeff Pickslay (Artemis Ecological Consulting)

Argiope bruennichi Wasp Spider

Spider (Araneae)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Jude Sermitt	15/08/2005	Dove Cottage, Clymping

Sitticus saltator

Spider (Araneae)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015901 12	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes
TQ019101 12	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes

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Notoxus monoceros Monoceros Beetle

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ019501 11	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes

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ARUN DISTRICT COUNCIL F/19/18/EIS

Calathus (Calathus) cinctus

Insect - beetle (Coleoptera)

A ground beetle of coastal dunes and lowland heaths. Recorded from our area only from the Rye Harbour Nature Reserve, with an old record from The Crumbles, Eastbourne. Widespread but local elsewhere in Britain.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ01930111	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes

Philopedon plagiatum Marram Weevil

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ01910112	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes

Agabus (Gaurodytes) conspersus

Insect - beetle (Coleoptera)

A dysticid water beetle largely confined to brackish water in coastal marshes and ditches. Frequent in suitable habitats in East Sussex, but rather less common in West Sussex. Widespread around southern and eastern English coasts, scarcer elsewhere.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ011027	Peter Hodge	21/08/1997	Ford Brooks

Hygrotus (Coelambus) parallelogrammus

Insect - beetle (Coleoptera)

A dysticid water beetle of brackish dykes and ponds. Mostly recorded from south eastern coastal marshes. Widespread along the East Sussex coast, rare in West Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ011027	Peter Hodge	21/08/1997	Ford Brooks

Gyrinus urinator

Insect - beetle (Coleoptera)

A whirligig water beetle found in running water. Found at scattered sites in East Sussex and near Littlehampton in West Sussex. Elsewhere widespread mainly in England and Wales.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015042	Peter Hodge	28/08/1997	Lyminster South 15
TQ016043	Peter Hodge	28/08/1997	Lyminster South

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ARUN DISTRICT COUNCIL F/19/18/EIS

Haliplus (Liaphlus) laminatus

Insect - beetle (Coleoptera)

A crawling water beetle of larger open ponds and canals. Rather rarely recorded in Sussex in the last 50 years, formerly more widespread. Also declining elsewhere and now mainly found in the south and east of England.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015042	Peter Hodge	28/08/1997	Lyminster South 15
TQ016043	Peter Hodge	28/08/1997	Lyminster South

Anacaena bipustulata

Insect - beetle (Coleoptera)

A scavenger water beetle of freshwater ponds and ditches. Most frequent on grazing levels. Very widely recorded in suitable places in East Sussex, but scarce in West Sussex. Widespread elsewhere in southern and eastern England.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015042	Peter Hodge	28/08/1997	Lyminster South 15
TQ016043	Peter Hodge	28/08/1997	Lyminster South

Cercyon (Cercyon) stemalis

Insect - beetle (Coleoptera)

A scavenger water beetle found in vegetation and litter at the edges of pools and ditches in fens and grazing levels. Many records from East Sussex but few from West Sussex. Not uncommon generally in southern and eastern England but scattered elsewhere.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ011027	Peter Hodge	21/08/1997	Ford Brooks

Enochrus bicolor

Insect - beetle (Coleoptera)

A scavenger water beetle mainly of brackish ponds and ditches. Recorded quite widely in suitable habitats in the east of East Sussex and around Chichester Harbour in West Sussex. Mainly coastal elsewhere. Formerly confused with E. melanocephalus.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ013019	Peter Hodge	28/08/1997	Climping 6

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Enochrus halophilus

Insect - beetle (Coleoptera)

A scavenger water beetle of brackish pools. Widespread on or near the East Sussex coast, less common in West Sussex. Elsewhere mainly on the south and east coasts of England.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ011027	Peter Hodge	21/08/1997	Ford Brooks

Lucanus cervus Stag Beetle

Insect - beetle (Coleoptera)

A beetle of broadleaved woodland, parks, other pasture woodland and gardens. The larvae live in the decaying wood of deciduous trees, often in roots and stumps. Widely recorded from West Sussex but rare in East Sussex and apparently absent from much of the vice-county.

Designations

Habitats Directive Annex 2 - non-priority species; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU981032	John Knight	04/03/2011	West Sussex (VC13)

Lissodema denticolle

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985029	Anon @ National Trust	July 1997	Slindon Estate (National Trust property)

Silpha laevigata

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ01820113	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes

Melanimon tibialis

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ01790111	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes

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Syromastus rhombeus

Insect - true bug (Hemiptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ01860112	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes
TQ01880112	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes

Microvelia (Microvelia) pygmaea

Insect - true bug (Hemiptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ011043	Peter Hodge	28/08/1997	Lyminster South 3

Andrena (Hoplandrena) trimmerana Trimmer's Mining Bee

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015013	Recorder @ BWARS	26/04/1973	Littlehampton

Colletes (Colletes) marginatus Margined Colletes

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015010	Recorder @ BWARS	27/06/2004	Littlehampton golf course, front dunes west

Megachile (Eutricharaea) leachella Silvery Leaf-Cutter Bee

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015010	Recorder @ BWARS	09/06/2007	Littlehampton golf course, front dunes west

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Philanthus triangulum Bee Wolf

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015010	Recorder @ BWARS	10/08/2007	Littlehampton golf course, front dunes west

Myrmica specioides

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015010	Recorder @ BWARS	10/08/2007	Littlehampton golf course, front dunes west

Eilema sororcula Orange Footman

Insect - moth

A pretty nationally local species found in woods in southern UK. It has recently expanded its range. In Sussex it is now scattered over the county and can be quite common in woods. Caterpillars feed on lichens growing on trees.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	26/05/2011	West Sussex (VC13)

Eudonia pallida Marsh Grey

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	08/09/2010	Dove Cottage, Clymping Street, Clymping
TQ017011	Paul Stevens;Tim Freed	17/09/2005	West Beach, Climping

Loxostege sticticalis Diamond-spot Sable

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	12/08/2012	Dove Cottage, Clymping Street

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ARUN DISTRICT COUNCIL F/19/18/EIS

Pediasia contaminella — Waste Grass-veneer

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0001014	Matthew Sennitt	02/08/2011	West Sussex (VC13)

Eulamprotes wilkella — Painted Neb

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0101	Ballet-Fletcher coll W.	1886	West Sussex (VC13)
TQ0170111	Paul Stevens,Tim Freed	30/06/2006	West Beach, Climping

Pexicopia malvella — Hollyhock Seed Moth

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0003	Mark Parsons	1970	West Sussex (VC13)

Chloroclysta siterata — Red-green Carpet

Insect - moth

This woodland species is common in the north and west of Britain and scarce, but increasing elsewhere. In Sussex it is now widespread in the Wealden and greensand woodlands. Caterpillars feed on the leaves of various trees.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0001014	Matthew Sennitt	22/11/2011	West Sussex (VC13)

Ennomos autumnaria — Large Thorn

Insect - moth

This nationally scarce (b) species occurs in woods and scrub in south east England. In Sussex it occurs on the wooded downs between Newhaven and Arundel, at Pagham, Chichester , Bognor and the area around Rye and Beckley Woods. Caterpillars feed on various trees.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9610332	John Knight	05/09/1996	Downview Close, Yapton

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Eupithecia millefoliata Yarrow Pug

Insect - moth

A nationally scarce (b) species found mostly along the coasts of south east England. In Sussex it is found in scattered locations on or near the coast, mostly from vegetated shingle. Caterpillars feed on Yarrow.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	03/08/2010	West Sussex (VC13)

Perizoma albulata Grass Rivulet

Insect - moth

A nationally local species of chalk grassland, sand dunes and shingle over much of lowland UK. In Sussex it is found on much of the downs, but is very scarce except between Brighton and Eastbourne in East Sussex and the downs above Storrington in West Sussex. Caterpillars feed on the ripening seeds of Yellow Rattle.

Designations

Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU981032	John Knight	25/06/2005	Yapton

Scopula emutaria Rosy Wave

Insect - moth

A nationally scarce (b) species found in river valleys and the coasts of south and east England and the New Forest bogs. In Sussex it is found at Chichester and Pagham Harbours and Climping dunes in West Sussex and the lower Ouse, lower Cuckmere, Pevensey Levels and Pett to Rye area in East Sussex. It is not know what the caterpillars feed on.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ017011	Paul Stevens;Tim Freed	30/06/2008	West Beach, Climping

Thera cupressata Cypress Carpet

Insect - moth

A nationally scarce species that only colonised UK in 1984. It occurs on the south coast from Cornwall to Kent in urban areas. In Sussex it has a colony around Arundel, but may be spreading eastwards. Caterpillars feed on Cypresses.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	22/11/2011	West Sussex (VC13)

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ARUN DISTRICT COUNCIL F/19/18/EIS

Apoda limacodes — Festoon

Insect - moth

A nationally scarce (b) species of the older woodlands in south and east England. In Sussex it is widespread in most areas except the central parts. Ashdown Forest is the best site. Caterpillars feed on Oak.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0301014	Matthew Sennitt	03/07/2011	West Sussex (VC13)
TQ017011	Paul Stevens;Tim Freed	30/06/2006	West Beach, Climping

Thecla betulae — Brown Hairstreak

Insect - butterfly

A butterfly requiring sloe scrub in which to breed. Widely, but very thinly, distributed in West Sussex, but gone from the east and generally in decline nationally.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (soc; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (5.5a; 5.5b)

Grid Reference	Recorder	Date	Locality
TQ0102	Celia Curtis	31/08/2012	A259, Climping

Chilodes maritimus — Silky Wainscot

Insect - moth

A nationally local species found in reedbeds in south east England, East Anglia, south Wales and south Scotland. In Sussex it is widespread along the East Sussex coast and in parts of West Sussex including Chichester and Pagham Harbours. Caterpillars feed on Common Reed.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ017011	Paul Stevens;Tim Freed	17/06/2005	West Beach, Climping

Conistra rubiginea — Dotted Chestnut

Insect - moth

This nationally scarce (b) species is found in most of southern England and south Wales in heathland, woodland and hedgerows. In Sussex it is fairly widespread west of Stormington, but has not been recorded in East Sussex. Caterpillars feed on Apple and probably other trees.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0301014	Matthew Sennitt	24/04/2011	West Sussex (VC13)

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Mythimna l-album — L-album Wainscot

Insect - moth

This nationally scarce (b) species breeds in rough grassland by the sea along the south coast. In Sussex it has colonised since 1980 and is now found in most open grassland areas at and near the whole coast. Caterpillars feed on Marram and other grasses.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	10/10/2011	West Sussex (VC13)

Mythimna litoralis — Shore Wainscot

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ017011	Paul Stevens;Tim Freed	30/06/2006	West Beach, Climping

Sideridis albicolon — White Colon

Insect - moth

A nationally scarce (b) species occurring on sandy coasts around Britain. In Sussex it is found in all of the sand dune areas. Caterpillars feed on various coastal plants such as Oraches and Sea Bindweed.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ017011	Paul Stevens;Tim Freed	30/06/2006	West Beach, Climping

Xanthia gilvago — Dusky-lemon Sallow

Insect - moth

This nationally local species is widely distributed throughout Britain. In Sussex it has declined greatly and is now only recorded from two very well recorded spots in Peacehaven and Walberton. It may still be widely distributed, but in very low numbers. Caterpillars feed on Elms.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	13/11/2011	West Sussex (VC13)

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Earias clorana — Cream-bordered Green Pea

Insect - moth

A nationally scarce (b) species of wet habitats throughout England. In Sussex it is found at Rye and probably in the Cuckmere and Pevensey Levels in East Sussex. In West Sussex there have only been a few records from different sites. Caterpillars feed on Sallows and Willows.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	07/07/2010	West Sussex (VC13)
TQ017011	Paul Stevens;Tim Freed	30/06/2006	West Beach, Climping

Nymphalis polychloros — Large Tortoiseshell

Insect - butterfly

Currently not recorded in Sussex as a breeding species, and always rather scarce. Occasionally recorded as an immigrant, or possibly deliberately released.

Designations

IUCN (2001) - Regionally Extinct; Sussex Rare Species Inventory; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.5a)

Grid Reference	Recorder	Date	Locality
TQ015024	Neil Hulme	28/08/2007	Littlehampton

Synaphe punctalis — Long-legged Tabby

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	02/08/2011	West Sussex (VC13)
TQ017011	Paul Stevens;Tim Freed	30/06/2006	West Beach, Climping

Stathmopoda pedella — Alder Signal

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Matthew Sennitt	18/07/2012	Dove Cottage, Clymping Street

Libellula fulva — Scarce Chaser

Insect - dragonfly (Odonata)

A rare dragonfly of well-vegetated slow-moving rivers and, less frequently gravel pits and ponds. The West Sussex stronghold for this species is in the river Arun catchment and recent surveys have discovered established populations in East Sussex along the Rivers Ouse and Cuckmere. Elsewhere in the British Isles restricted to a few rivers and nearby lakes in southern and western England and East Anglia.

Designations

IUCN (2001) - Lower risk - near threatened; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ00B	David Chelmick	- 1965	West Sussex (VC13)

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Conocephalus fuscus — Long-winged Cone-head

Insect - orthopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ001014	Jude Sennitt	06/09/2005	Dove Cottage, Clymping

Arvicola amphibius — European Water Vole

Terrestrial mammal

The fastest declining native British mammal, the water vole was 'Ratty' in Wind in the Willows. Water voles prefer slow flowing streams, rivers and dykes with steep earth banks and luxuriant emergent vegetation. They have been in decline for over a century mainly due to loss of habitat while the presence of American mink has greatly hastened this decline. In many areas of mainland Britain water voles are already extinct but there are still some strong populations in Sussex. A legally protected species, listed on the Sussex Rare Species Inventory and the subject of a Sussex Species Action Programme.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.1 taking; 9.2; 9.4; subdivision a; 9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
TQ00021103880	Rowenna Baker	2011	Ford
TQ003039	Richard James	23/08/2004	Ford CP
TQ00690001442	Frances Southgate	23/08/2014	Ryebank Rife
TQ01100144	Frances Southgate	11/09/2014	Church Farm, Climping
TQ01120145	Frances Southgate	11/09/2014	Church Farm, Climping
TQ01240164	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ01241101795	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ01260170	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ01260174	C. Botteley;L. Pearce	11/09/2014	Church Farm, Climping
TQ01598804246	Gareth Williams	05/08/2013	Black Ditch Outfall
TQ01801043O1	Gareth Williams	05/08/2013	Black Ditch Outfall

Lecania turicensis

Lichen

A lichen of calcareous stones and mortar of old walls. Common on many types of rock in Britain. Recorded on walls and other stonework from a number of sites in East and Est Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ002037	Francis Rose	1990 - 1997	West Sussex (VC13)

Diploschistes muscorum

Lichen

A lichen initially parasitic on Cladonia lichens mainly then spreading to mosses on bare calcareous soil such as wall tops, heaths, dunes and shingle beaches. Recorded in our area from several sites in both West and East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015012	Sussex Lichen Recording Group	06/05/2006	Climping Beach

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ARUN DISTRICT COUNCIL F/19/18/EIS

Leptogium turgidum

Lichen

A lichen that grows on calcareous soils, especially crumbly mortar and soils. Local in south and east Britain and recorded in our area from Pevensey Castle and Winchelsea in East Sussex and Steyning, Singleton and Cissbury Ring in West Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU982035	Anon @ British Lichen Society;Francis Rose	05/04/1990	Yapton Churchyard

Peltigera canina

Lichen

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015012	C Doarks et al. (NCC)	07/09/1999	Climping Beach

Rhizocarpon distinctum

Lichen

A lichen of acid rocks, stonework and tiles. Common in northern Britain, scattered elsewhere. Recorded in our area from Climping churchyard and Pagham Spit in West Sussex and Ashburnham church and the Powdermill Reservoir, Brede in East Sussex. 1950-1991.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ003025	Anon @ British Lichen Society;Francis Rose	05/04/1990	Climping Churchyard
TQ003026	SAMLL	1950 - 1995	West Sussex (VC13)

Rhizocarpon geographicum

Lichen

A polymorphic lichen of rocks and stonework in sunny, exposed situations. Often common in upland areas and scattered elsewhere in the British Isles. In our area it is recorded mostly from roof slates and granite memorials: Beckley churchyard, Rye Harbour, Hartfield churchyard and Oaklands Park, Sedlescombe, all in East Sussex. 1950-1989.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015012	Sussex Lichen Recording Group	08/09/2006	Climping Beach

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ARUN DISTRICT COUNCIL F/19/18/EIS

Buellia stellulata

Lichen

A lichen found particularly near the sea on acid stonework and shingle beaches. Often confused with Buellia aethalea. In Sussex known only from Fairlight Glen and Eridge Park in East Sussex and one unspecified location in West Sussex. 1950-1972

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU982035	Anon @ British Lichen Society;Francis Rose	05/04/1990	Yapton Churchyard

Hennediella heimii Heim's Pottia

Moss

An ephemeral coastal moss of earth-covered rocks, bare patches of soil and the upper reaches of salt marshes. Frequent in coastal locations in the British Isles but very rare inland. Recorded from several places fairly recently in both East and West Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0101	Recorder @ BBS Southern Group;Rod Stern	22/04/1985	West Sussex (VC13)

Eryngium maritimum Sea-holly

Flowering plant

A plant of dunes and shingle, now restricted to two sites in West Sussex and two in East Sussex. Coastal development has brought about a steady decline, exacerbated by trampling and, occasionally, by dried flower arrangers.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0101	Peter Foliett	29/08/2004	Climping CP
TQ015012	C Dearks et al. (NCC)	07/09/1989	Climping Beach
TQ016010	Stuart Colgate	June 2001 - August 2001	West Beach, Climping.
TQ017101113	M Hollings;O.M. Hollings	18/08/2004	Climping CP

Petroselinum segetum Corn Parsley

Flowering plant

Designations

Farm Environment Plan Guidance 007- Table 3; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU973046	D Donovan	24/07/2006	West Sussex (VC13)
SU9751001275	D Donovan	24/04/2007	West Sussex (VC13)
SU9784403798	D Donovan	12/05/2007	West Sussex (VC13)
SU9805003978	D Donovan	08/04/2007	West Sussex (VC13)
SU9980201738	D Donovan	06/03/2007	West Sussex (VC13)
TQ0003	Frances Abraham	02/09/1997	West Sussex (VC13)
TQ0008101657	D Donovan	13/05/2007	Climping CP
TQ00950291	M Hollings;O.M. Hollings	11/07/2005	West Sussex (VC13)
TQ017028	D Donovan	2006	Littlehampton CP

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Sium latifolium — Greater Water-parsnip

Flowering plant

An aquatic perennial now generally found in ditches, growing amongst other emergent species, or in reedswamp. A declining species currently known from several sites in West Sussex but only two in East Sussex.

Designations

IUCN (2001) - Endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ00C	SPASU	1978	West Sussex (VC13)

Anthemis arvensis — Corn Chamomile

Flowering plant

This arable field plant has undergone a drastic reduction over the whole of Sussex since the 1960s and is now extremely scarce. Most recent records are almost certainly the result of deliberate introductions from wild flower seed mixtures.

Designations

Farm Environment Plan Guidance 007 - Table 3; IUCN (2001) - Endangered; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU988044	Anon @ Sussex Bot. Rec. Soc.;Alan Knapp	1997	West Sussex (VC13)

Centaurea cyanus — Cornflower

Flowering plant

Once common, cornflowers suffered a massive decline in the last century but still continue to appear in scattered localities. While some of these are clearly introductions, records from arable fields and appearances on disturbed road banks before any seeding has occurred may be native.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU988044	Anon @ Sussex Bot. Rec. Soc.;Betty Bishop	1997	West Sussex (VC13)

Hypochaeris glabra — Smooth Cat's-ear

Flowering plant

An annual of dry, open grasslands, shingle and heathy pastures. In East Sussex known only from the Rye Harbour Nature Reserve, where it occurs in abundance on stable shingle banks. In West Sussex it has a few shingle sites but also occurs rarely inland.

Designations

IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0101	Rosemary Fitzgerald	May 2000	West Sussex (VC13)

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Sambucus ebulus — Dwarf Elder

Flowering plant

A long-established perennial occurring infrequently in hedgerows, on roadsides and waste ground, usually in small numbers but locally forming thickets. Currently recorded from several sites in West Sussex and one in East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU978024	John Fellwell	April 2007 - May 2007	Yapton Bilsham
SU979027	Caroline Dawson	16/05/2007	Yapton

Dipsacus pilosus — Small Teasel

Flowering plant

A biennial herb plant of woodland edges, stream and river banks and other habitats, usually on damp, calcareous soils. Rather rare in Sussex but increasing in some parts of the west of our area, mainly around Arundel and Little Bognor.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ00490416	M Hollings;O.M. Hollings	03/07/2005	West Sussex (VC13)
TQ00500418	Nick Sturt;Elizabeth Sturt	27/08/2005	West Sussex (VC13)

Lathyrus sylvestris — Narrow-leaved Everlasting-pea

Flowering plant

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU988025	D Donovan	August 2003	West Sussex (VC13)
TQ00090434	Nick Sturt;Elizabeth Sturt	27/08/2005	West Sussex (VC13)

Medicago polymorpha — Toothed Medick

Flowering plant

An annual found in open sandy and gravelly habitats by the coast. Also recorded as a casual. Scattered in suitable places along the coasts of East and West Sussex from Camber to Pagham.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ013860364B	D Donovan	19/07/2007	West Sussex (VC13)

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Trifolium squamosum — Sea Clover

Flowering plant

An annual found in the dry, uppermost parts of saltmarshes, brackish meadows and by tidal rivers and creeks. Now scattered very sparingly around Chichester Harbour and the Selsey peninsula in West Sussex. In East Sussex there are isolated records for the estuaries of the Ouse and Cuckmere with an outlier at Camber.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ01880112	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes

Trifolium suffocatum — Suffocated Clover

Flowering plant

An annual of compacted sand and gravel in a number of places along the Sussex coast which appears to have become significantly more common in the last 25 years. Currently recorded from several sites in East and West Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015011	Steve Prosser	15/06/2000	West Sussex (VC13)
TQ015012	Anon	18/07/1979	Climping Beach
TQ0157201062	M Hollings;O.M. Hollings	2006	Climping CP
TQ01910116	Alan Knapp;M Hollings;O.M. Hollings	17/05/2005	West Sussex (VC13)
TQ01960117	Alan Knapp;M Hollings;O.M. Hollings	17/05/2005	West Sussex (VC13)

Erodium moschatum — Musk Stork's-bill

Flowering plant

An introduced plant of grassy places, usually near the sea, at one time considered to be very rare. It has been found in recent years in several urban locations in West Sussex. Long extinct in East Sussex.

Designations

Farm Environment Plan Guidance 007- Table 3; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ00120001470	M Hollings;O.M. Hollings	2006	West Sussex (VC13)

Fritillaria meleagris — Fritillary

Flowering plant

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ01457024438	D. Donovan	16/04/2011	Littlehampton CP

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Euphorbia platyphyllos — Broad-leaved Spurge

Flowering plant

A long-established annual of cultivated and waste ground, the margins of arable fields, and occasionally on roadsides. Decreasing throughout southern England and north-west Europe, but with more than 30 post 1986 records from East and West Sussex.

Designations

EC CITES Annex B; Farm Environment Plan Guidance 007- Table 3; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ018027	D Donovan	03/07/2005	Littlehampton CP

Salix viminalis x caprea = S. x smithiana — Broad-leaved Osier

Flowering plant

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9710904614	D Donovan	04/07/2007	West Sussex (VC13)

Althaea officinalis — Marsh-mallow

Flowering plant

A tall perennial of estuaries and brackish marshes. Still widespread in suitable localities in East and West Sussex but it has declined considerably in the last seventy five years.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ00530421	Nick Sturt;Elizabeth Sturt	27/08/2005	West Sussex (VC13)
TQ007046	Frank Penfold	25/08/1973 - 27/08/1973	Arundel
TQ007048	Frank Penfold	25/08/1973 - 27/08/1973	Arundel
TQ008026	Simon Allen;Frances Abraham	1997	West Sussex (VC13)

Helleborus foetidus — Stinking Hellebore

Flowering plant

A short-lived perennial of shallow calcareous soils often in woodland glades or open scrub. Always rare in East Sussex, where it is doubtfully native, the only recent records are of garden escapes. In West Sussex most recent records are also of garden origin, but it still occurs as a presumed native in a few chalky woodland areas especially around Arundel and Houghton.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU973037	Anon @ Sussex Bot. Rec. Soc.;D Donovan	1998	West Sussex (VC13)

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ARUN DISTRICT COUNCIL F/19/18/EIS

Ranunculus arvensis Corn Buttercup

Flowering plant

A long-established arable weed which was once abundant on light soils in Sussex but is now extremely scarce and normally occurs in very limited numbers. Recorded from eight sites in East and West Sussex between 1997 and 2000.

Designations

Farm Environment Plan Guidance 007- Table 3; IUCN (2001) - Critically endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ01459002432	D. Donovan	16/04/2011	Littlehampton CP.

Calystegia soldanella Sea Bindweed

Flowering plant

Found on mobile dunes and also sandy foreshores, shingle and disturbed ground by the sea. Now lost from many of its former locations but still occurs in East and West Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015012	C Doarks et al. (NCC)	07/09/1989	Climping Beach
TQ016010	Stuart Colgate	June 2001 - August 2001	West Beach, Climping.
TQ016011	Anon @ Sussex Bot. Rec. Soc.	1991	Climping
TQ017011	Alan Knapp;Arthur Hoare;Frances Abraham	15/08/2000	West Sussex (VC13)
TQ01720112	M Hollings;O.M. Hollings	18/06/2004	West Sussex (VC13)
TQ01984601131	D. Donovan	08/10/2010	Worthing Borough

Arum italicum subsp. neglectum Arum

Flowering plant

Designations

IUCN (2001) - Lower risk - near threatened; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU90W	Anon @ Sussex Bot. Rec. Soc.	1997	West Sussex (VC13)
SU972021	Nick Sturt;Elizabeth Sturt	08/01/2005	West Sussex (VC13)
SU997037	D Donovan	2005	West Sussex (VC13)
TQ00260248	M Hollings;O.M. Hollings	09/11/2005	Climping CP
TQ00300243	M Hollings;O.M. Hollings	09/11/2005	Climping CP
TQ003024	Nick Sturt;Elizabeth Sturt	November 2004	West Sussex (VC13)
TQ00329025567	M Hollings;O.M. Hollings	26/09/2006	West Sussex (VC13)
TQ00330256	M Hollings;O.M. Hollings	09/11/2005	West Sussex (VC13)
TQ00334025566	J. Simons	30/12/2010	Climping CP
TQ00390205	M Hollings;O.M. Hollings	09/11/2005	West Sussex (VC13)
TQ004021	Nick Sturt;Elizabeth Sturt	December 2004	Climping CP
TQ004023	D Donovan	2005	Climping CP
TQ008019	Nick Sturt;Elizabeth Sturt	20/12/2004	West Sussex (VC13)
TQ008	Anon @ Sussex Bot. Rec. Soc.	1997	West Sussex (VC13)
TQ015012	Nick Sturt;Elizabeth Sturt	20/12/2004	Climping CP
TQ01557011126	J. Simons	30/12/2010	W of Littlehampton Golf Course
TQ01580116	M Hollings;O.M. Hollings	11/01/2006	West Sussex (VC13)

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Groenlandia densa — Opposite-leaved Pondweed

Flowering plant

A perennial which may grow in lakes and rivers, but is more frequent in smaller water bodies such as streams, canals, ditches and ponds. There are widespread records from West Sussex but only three in East Sussex, where it is significantly less common than it was in the past.

Designations

IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU89400313	M. Shaw	05/08/2010	West Sussex (VC13)

Potamogeton acutifolius — Sharp-leaved Pondweed

Flowering plant

An aquatic plant confined to shallow, species-rich drainage ditches in lowland grazing marshes. Although very rare nationally, it is the most abundant pondweed in numerous ditches between Arundel and Pulborough, and Amberley Wild Brooks is considered to be its UK headquarters. It is also common in parts of Pevensey Levels, but has been lost from some of its former localities.

Designations

IUCN (2001) - Critically endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ01910340	M. Shaw	07/09/2011	West Sussex (VC13)

Potamogeton trichoides — Hairlike Pondweed

Flowering plant

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ014042	Frances Abraham	11/09/1997	Lyminster South 1,15,18
TQ015042	Anon @ Sussex Bot. Rec. Soc.,Frances Abraham	1997	West Sussex (VC13)
TQ018045	Frances Abraham	11/09/1997	Lyminster South 14,18,21

Lepidium heterophyllum — Smith's Pepperwort

Flowering plant

A perennial, or rarely biennial, of acid soils in dry heathy and gravelly places. Also occurs on shingle, railway ballast and embankments, and, less commonly, in arable fields. It has declined significantly in both E. and West Sussex and has recently been confirmed from only seven sites.

Designations

Farm Environment Plan Guidance 007- Table 3; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ018023	D Donovan	23/07/2008	Littlehampton Marina

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Chenopodium murale — Nettle-leaved Goosefoot

Flowering plant

An inconspicuous plant which has always been rare in Sussex
appears to be getting scarcer although it may be overlooked. While it is casual in most sites it has persisted for many years in bare chalky soil, heavily disturbed by rabbits, on the very edge of the cliffs at Seven Sisters.

Designations

IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU995030	Nick Sturt;Mark Shaw	September 2001	West Sussex (VC13)

Salicornia dolichostachya — Long-spiked Glasswort

Flowering plant

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ01670227	Alan Knapp;K.A. Knapp	08/09/2008	West Sussex (VC13)

Agrostemma githago — Corncockle

Flowering plant

Formerly a frequent arable weed, but last seen established in a cornfield in 1936 at Waterhall, Brighton. Recent records have been casuals, from garden bird seed, re-seeding projects with wild flower seed mixes, soil from turkey farms or similar.

Designations

Farm Environment Plan Guidance 007- Table 3; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU988044	Anon @ Sussex Bot. Rec. Soc.;Nick Sturt	1997	West Sussex (VC13)
SU988045	Anon @ Sussex Bot. Rec. Soc.;S. Pool	1998	West Sussex (VC13)
SU994023	D Donovan	July 2004	Climping CP
SU997024	D Donovan	18/08/2005	Climping CP

Silene conica — Sand Catchfly

Flowering plant

An annual of open habitats on free-draining sandy soils. Now known in our area only from the sand dunes and paths at Climping, West Sussex.

Designations

Farm Environment Plan Guidance 007- Table 3; IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015012	Anon	18/07/1979	Climping Beach
TQ016011	Steve Prosser	15/06/2000	West Sussex (VC13)
TQ0181501114	D. Donovan	18/05/2011	Clympling
TQ0190301119	D. Donovan	18/05/2011	Clympling

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Silene nutans — Nottingham Catchfly

Flowering plant

A plant of shallow, calcareous soils as well as acidic soil overlying shingle. Always scarce in Sussex and now known only from one site in each county where it occupies different habitats. In West Sussex it occurs on sand dunes at Climping, and in East Sussex it on chalk grassland at Castle Hill near Lewes.

Designations

IUCN (2001) - Lower risk - near threatened; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015012	C Doarks et al. (NCC)	07/09/1989	Climping Beach
TQ018011	Anon @ Monks Wood;Anon @ Sussex Bot. Rec. Soc.	1991	West Sussex (VC13)
TQ01680113	M Hollings;O.M. Hollings	18/08/2004	West Sussex (VC13)
TQ01700113	Alan Knapp;M Hollings;O.M. Hollings	17/05/2005	West Sussex (VC13)

Persicaria minor — Small Water-pepper

Flowering plant

An annual of wet marshy places, winter-flooded ground beside ponds, lakes and ditches, or damp pastures trampled by stock. Currently known from a number of sites in West Sussex only.

Designations

IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ006048	Frances Abraham	02/09/1997	Tortington Brooks 10
TQ014042	Frances Abraham	11/09/1997	Lyminster South 1,15,18

Polygonum oxyspermum — Ray's Knotgrass

Flowering plant

A prostrate plant of sand, shingle or shell beaches, sometimes found on other open sandy ground near the sea, usually just above the limit of the highest tides. A rare plant recently recorded from only a few sites in East and West Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0101	Peter Follett	29/08/2004	Climping CP

Verbascum lychnitis — White Mullein

Flowering plant

A perennial of dry, usually calcareous soil, in rough pastures, recently cleared woodland, on railway embankments, road verges and waste places. In West Sussex one of the notable plants of the chalk around Arundel. No recent records for East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU90W	P. Jones	30/07/2011	Houghton Forest

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Carex arenaria — Sand Sedge

Flowering plant

A creeping perennial of coastal dunes and sandy heaths. Rare in Sussex and found only in the far east of East Sussex. In West Sussex it is rather more widespread along the coast but is now known from only one inland site on a sandy heath.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015012	C Doarks et al. (NCC)	07/09/1989	Climping Beach
TQ016010	Stuart Colgate	June 2001 - August 2001	West Beach, Climping
TQ01760109	Graeme Lyons	03/05/2014	Climping Dunes
TQ0194301128	D. Donovan	09/10/2010	Clymping
TQ01850117	Alan Knapp;M Hollings;D.M. Hollings	17/05/2005	West Sussex (VC13)

Carex divisa — Divided Sedge

Flowering plant

Native. This sedge of brackish meadows and tidal river banks can be locally frequent in Sussex. It appears to be surviving well.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ0004	Anon @ Sussex Bot. Rec. Soc.;D Donovan	1993	West Sussex (VC13)
TQ0004045	Nick Sturt;Elizabeth Sturt	29/05/2005	West Sussex (VC13)

Calamagrostis epigejos — Wood Small-reed

Flowering plant

A perennial grass, this species has always had its stronghold in the far west of the county. Favouring wet woods, ditches and marshes, it has only very limited populations in East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU97155501045	Nick Sturt;Elizabeth Sturt	02/12/2006	West Sussex (VC13)

Parapholis incurva — Curved Hard-grass

Flowering plant

An annual grass of bare places by the sea. It occurs in both counties in a number of places between Itchenor and Rye.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ014024	Anon @ Sussex Bot. Rec. Soc.;D Donovan	1990	West Sussex (VC13)
TQ015013	Anon	18/07/1979	Climping Beach

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Phleum arenarium — Sand Cat's-tail

Flowering plant

An annual grass mainly of coastal sand dunes and sandy shingle. Restricted in our area to Chichester Harbour and Littlehampton in West Sussex and Camber in East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ015012	C Doarks et al. (NCC)	07/09/1989	Climping Beach
TQ018010	Stuart Colgate	June 2001 - August 2001	West Beach, Climping
TQ018011	Anon @ Sussex Bot. Rec. Soc.	1991	Climping
TQ01810111	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes
TQ019011	Alan Knapp	2000	Climping

Poa bulbosa — Bulbous Meadow-grass

Flowering plant

A grass of open turf and barish sandy or rocky places near the sea, mainly on sand dunes and stabilised shingle. The number of records for this species has increased considerably since 1986 and it has been widely recorded from places near the East and West Sussex coast.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ014024	Anon @ Monks Wood	1990	West Sussex (VC13)
TQ015010	Anon @ Monks Wood	1991	West Sussex (VC13)
TQ018011	Anon @ Sussex Bot. Rec. Soc.	1991	Climping

Poa infirma — Early Meadow-grass

Flowering plant

An annual grass growing near the sea in open, trampled turf, on cliff-top paths, picnic sites, lawns and car parks and in stabilised dunes and other sandy places. Until quite recently thought to be restricted to west Cornwall, the Isles of Scilly and the Channel Islands, the species is rapidly expanding eastwards and now seems well-established in East and West Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ013014	Paul Stanley	2000	West Sussex (VC13)

Polypogon monspeliensis — Annual Beard-grass

Flowering plant

An annual grass of barish places by the sea, in damp, cattle-trodden grazing marshes, at the edges of dried-up brackish pools and ditches, and in the uppermost parts of saltmarshes. Also around docks and inland as a casual. Widespread but scarce in East and West Sussex, mostly near the coast.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ018028	Anon @ Sussex Bot. Rec. Soc.;D Donovan	1996	West Sussex (VC13)
TQ01660273	A. Spiers	21/08/2005	Littlehampton CP
TQ018027	D Donovan	19/06/2005	Littlehampton CP

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Puccinellia fasciculata — Borrer's Saltmarsh-grass

Flowering plant

A grass of bare places by the sea, in grazing marshes around cattle-poached pools and depressions and on earthen sea walls. This species was once widespread along the Sussex coast but has declined considerably. Currently known from seven sites along the East and West Sussex coast.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
TQ010035	Frances Abraham	11/08/1997	Wick Brooks 8,10

Puccinellia rupestris — Stiff Saltmarsh-grass

Flowering plant

A coastal grass of bare saline soils above the tidal limit, behind sea walls and sometimes on firm muddy shingle and in rock crevices. Once declining, it appears to have recovered slightly recently and has been recorded from a number of locations in East and West Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ008036	Anon @ Sussex Bot. Rec. Soc.;Frances Abraham	1997	West Sussex (VC13)
TQ010035	Frances Abraham	11/08/1997	Wick Brooks 8,10

Vulpia ciliata subsp. ambigua — Purple Fescue

Flowering plant

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ016011	Alan Knapp	15/06/2000	West Sussex (VC13)

Vulpia fasciculata — Dune Fescue

Flowering plant

This splendid grass is now restricted to four localities in West Sussex. Previously recorded at Camber in East Sussex, but now must be presumed extinct in the east of the county.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ016010	Stuart Colgate	June 2001 - August 2001	West Beach, Climping.
TQ016011	Alan Knapp	15/06/2000	West Sussex (VC13)
TQ91910112	Graeme Lyons;Tony Davis	03/05/2014	Climping Dunes

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ARUN DISTRICT COUNCIL F/19/18/EIS

Hippophae rhamnoides Sea-buckthorn

Flowering plant

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
TQ0101	Peter Follett	29/05/2004	Climping CP

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Sussex Invasive Alien Species Report

The Sussex Invasive Alien Species Report is produced in order to help minimise the threat posed by invasive alien species in Sussex. Records are labelled so that only one record per species per grid reference is included - this will usually be the most up to date record.

Most alien species pose no threat to native species, and indeed many naturalised non-natives represent important additions to our flora and fauna. An older record of an alien invasive species may denote that there was once a problem at this site, but it has subsequently been dealt with. However, the problem may still persist but no up to date information is available.

What is an Invasive Alien Species?
The term alien is synonymous with the term non-native. An invasive alien is defined as an alien species whose introduction and/or spread threatens biological diversity. Invasive alien species are referred to by several names, which are often used interchangeably: non-natives, introduced, non-indigenous, exotic, foreign, noxious, aggressive, pest or harmful species.

What's the problem?
With no natural predators and a benign climate, invasive alien species can out-compete our native plant and animal species. For example, some invasive alien plants species can change light levels, decrease dissolved oxygen in water, change soil chemistry and its structure, and increase surface run-off and soil erosion. On a more subtle level, invasive alien species can affect ecosystem processes such as nutrient cycling, pollination and regeneration of soils. Invasive fauna can compete with native species, displace them, consume them, act as parasites or transmit diseases, reduce growth and survival rates, cause the decline or extinction of local populations or even entire species.

What control is in place?
Section 14 of The Wildlife and Countryside Act (1981) is the principal legislation dealing with the release of non-native species. This has been amended by the Natural Environment and Rural Communities (NERC) Act (2006) in England and Wales. Section 14 of the Act makes it illegal to allow any animal which is not ordinarily resident in Great Britain, or is listed on Schedule 9 of the Act, to escape into the wild, or to release it into the wild. It is also illegal to plant or otherwise cause to grow in the wild any plant listed on Schedule 9 of the Act.

What to do if there is an invasive alien species on your site
If you have any of the species listed in this report on your site, firstly investigate the recommended control for the particular species. You can search by species name on the G8 non-native species secretariat website for further advice.

If there are invasive alien species at your site that are not in this report please contact us on sxbrc@sussexwt.org.uk or 01273 497521 so that we can update our database.

Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sabrc.org.uk
www.sabrc.org.uk
01273 497521

SUSSEX INVASIVE ALIEN SPECIES REPORT

Please note that bird records are not included in this report.

Land at Ford Airfield + 2km radius

20 July 2015 ESD/15/495 Search Area: SU9701 to TQ0104

Jeff Pickaley (Artemis Ecological Consulting)

Harmonia axyridis — Harlequin Ladybird

Insect - beetle (Coleoptera)

A native of the Far East this was first recorded in Britain in 2004 and in Sussex near Icklesham in May 2005; widespread in East and West Sussex by 2008. It is larger and more voracious than our native ladybirds and may compete with them and attack other invertebrates. Can also damage fruit and be a nuisance when hibernating in large aggregations in houses.

Grid Reference	Recorder	Date	Locality
TQ0001014	Matthew Sennitt	24/10/2009	Climping

Campylopus introflexus — Heath Star Moss

Moss

A now widespread moss introduced from the Southern Hemisphere. First British record was from Heath Common, Sullington in 1941. Tends to overwhelm native moss species and now very widespread in Sussex.

Grid Reference	Recorder	Date	Locality
TQ0101	Recorder @ BBS Southern Group;Rod Stern	22/04/1995	Littlehampton West Beach, West Sussex (VC13)

Azolla filiculoides — Water Fern

Fern

An introduced floating fern of mainly standing waters first recorded in the UK in 1883. Described as posing a threat to native biodiversity in the Sussex Habitat Action Plan for standing fresh water.

Grid Reference	Recorder	Date	Locality
TQ013046	Frances Abraham	11/09/1997	Lyminster South 2 to 13
TQ014042	Frances Abraham	11/09/1997	Lyminster South 1,15,16
TQ018045	Frances Abraham	11/09/1997	Lyminster South 14,18,21

Allium triquetrum — Three-cornered Garlic

Flowering plant

This perennial bulbous plant was introduced from the Mediterranean region and established in Britain by the mid 19th C. It spreads rapidly by ant-dispersed seed and is increasing its range here partly in response to milder climatic conditions. It can displace bluebells and other native flora in woodlands and along verges. Widespread and increasing in Sussex.

Grid Reference	Recorder	Date	Locality
SU979031	D Donovan	April 2005	Yapton
SU995038	D Donovan	April 2005	Ford, West Sussex (VC13)
SU996037	Anon @ Sussex Bot. Rec. Soc.;D Donovan	1995	Ford, West Sussex (VC13)

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Hyacinthoides hispanica — Spanish Bluebell

Flowering plant

A species from Spain and Portugal that has been recorded as a garden escape since 1909 and occasionally becomes naturalised. Often confused with its more invasive hybrid with our native bluebell H. non-scripta. Widespread in Sussex.

Grid Reference	Recorder	Date	Locality
SU975045	Simon Curson	14/05/2003	Road Verge on Lake Lane, Yapton, Yapton CP
SU999017	Matthew Sennitt	31/05/2002	Cottage Pond, Clymping

Hyacinthoides non-scripta x hispanica = H. x massartiana — Hybrid bluebell

Flowering plant

A hybrid between our native bluebell, H. non-scripta and Spanish Bluebell, H. hispanica. Widespread in Sussex.

Grid Reference	Recorder	Date	Locality
SU90W	Nick Sturt,Elizabeth Sturt	20/09/2005	Yapton
SU90X	Nick Sturt,Elizabeth Sturt	06/05/2006	Binstead, West Sussex (VC13)
TQ008	D Donovan	2006	Littlehampton area, West Sussex (VC13)

Crocosmia pottsii x aurea = C. x crocosmiiflora — Montbretia

Flowering plant

A well-known garden escape with orange flowers from South Africa. Widespread across Sussex. Listed on Schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
SU90W	D Donovan	2005	Yapton/Ford area, West Sussex (VC13)
SU90X	Nick Sturt,Elizabeth Sturt	06/05/2006	Binstead, West Sussex (VC13)
TQ008	D. Donovan	24/05/2011	Littlehampton, Littlehampton CP
TQ0101	Peter Follett	29/08/2004	Climping, Climping CP

Petasites fragrans — Winter Heliotrope

Flowering plant

A large-leaved, rampant perennial plant from the Far East spreading by means of underground stems by up to 1 metre per year. Very invasive, often forming large wayside colonies to the exclusion of all other species. Sweet scented mauve pink spikes of flower in winter.

Grid Reference	Recorder	Date	Locality
SU90W	D Donovan	01/01/2008 - 31/12/2008	Yapton/Climping area, West Sussex (VC13)
SU90X	Nick Sturt,Elizabeth Sturt	06/05/2006	Binstead, West Sussex (VC13)
TQ008	D Donovan	2005	Climping/Littlehampton area, West Sussex (VC13)
TQ00C	Nick Sturt,Elizabeth Sturt	27/08/2005	Tortington area, West Sussex (VC13)

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Centranthus ruber — Red valerian

Flowering plant

In small quantities this Mediterranean plant is of value to butterflies, moths, bees and other fauna, but it can become invasive and spread across areas like vegetated shingle. It is best, if possible, to remove dead flower heads to prevent seed from spreading. It was first recorded in the wild in Britain in 1763 and is common across Sussex.

Grid Reference	Recorder	Date	Locality
TQ00C	D. Donovan	28/12/2011	Tortington
TQ0101	Peter Follett	29/09/2004	Climping, Climping CP

Robinia pseudoacacia — False-acacia

Flowering plant

A North American tree introduced in the 17th century and later widely planted. It is now regarded as a global invader and often classified as a weed tree as it spreads readily by seed and suckers and grows quickly. With climate change it is establishing itself in the British countryside as native oak and beech come under increased environmental stress.

Grid Reference	Recorder	Date	Locality
SU98970475	M. Shaw	01/07/2011	North of Ford Lane, West Sussex (VC13)

Parthenocissus inserta — False virginia creeper

Flowering plant

A climber from North America widely grown as a garden plant but now becoming increasingly naturalised particularly in urban areas. Frequently confused with the other Virginia creeper, Parthenocissus quinquefolia. It has been recorded from Hastings and Possingworth Park in East Sussex and Barham in West Sussex. It is listed on Schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
SU9797503338	D Donovan	12/07/2009	Yapton, Church Rd.

Elodea nuttallii — Nuttall's Waterweed

Flowering plant

First recorded as naturalised in Oxford in 1966. Grows in still or slow flowing waters. Due to increased eutrophication it has replaced Elodea canadensis at many sites and in turn is being replaced by Lagarosiphon major. It is often found in species poor plant communities subject to boat traffic, management and in eutrophic drainage ditches. Widespread in Sussex.

Grid Reference	Recorder	Date	Locality
TQ014042	Frances Abraham	11/09/1997	Lyminster South 1,15,16
TQ018045	Frances Abraham	11/09/1997	Lyminster South 14,18,21

Fallopia japonica — Japanese Knotweed

Flowering plant

Listed on Schedule 9 Part II of the Wildlife & Countryside Act (1981). It is an offence to plant or otherwise cause to grow the species in the wild. Described as the most pernicious weed in Britain by Plantlife, Japanese knotweed was introduced in the UK in the mid-19th century as an ornamental plant. It is now is a problem invasive perennial throughout Europe. It is an offence to plant, or otherwise cause to grow, the species in the wild. Landowners are liable to prosecution if they allow the plant to spread from their land.

Grid Reference	Recorder	Date	Locality
SU90X	Nick Sturt,Elizabeth Sturt	06/05/2006	Binstead, West Sussex (VC13)
SU979024	John Fellwell	April 2007 - May 2007	Bilsham Road, Yapton Bilsham
SU979027	Caroline Dawson	16/05/2007	Yapton
TQ00B	M Hollings,O.M. Hollings	26/09/2008	Climping, Climping CP
TQ00C	D. Donovan	03/06/2010	Ford

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Impatiens glandulifera — Indian Balsam

Flowering plant

A tall annual alien introduced in 1839. Usually found in waterside situations where it becomes a dominant plant substantially reducing native species richness.

Grid Reference	Recorder	Date	Locality
SU8897704932	Jacqueline Thompson	26/08/2009 - 11/11/2009	Site: 126 Marsh Farm, Binstead, West Sussex (VC13)

Lamium galeobdolon subsp. argentatum — Yellow Archangel

Flowering plant

Often listed just as Lamiastrum galeobdolon montanum. However, the New Atlas of the British Flora and other sources point out that L. g. montanum is the widespread yellow archangel of the British countryside and that the nominate subspecies L. g. ssp. galeobdolon is a rare plant confined as a native to Lincolnshire and Kirkcudbrightshire. Some authorities position the variegated invasive alien yellow archangel as L. g. ssp. montanum, others as L. g. ssp. argentatum. This latter form is thought to have been introduced in the late 1960s and is spreading rapidly. It is widespread in Sussex and listed on Schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
SU90W	Nick Sturt;Elizabeth Sturt	20/09/2005	Yapton

Cotoneaster horizontalis — Wall Cotoneaster

Flowering plant

A small shrub from western China now widely naturalised in the British Isles and often highly invasive, especially on chalk slopes. Recorded from many places in East and West Sussex. Listed on schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
SU90W	D Donovan	01/01/2008 - 31/12/2008	Yapton/Climping area, West Sussex (VC13)

Prunus laurocerasus — Cherry Laurel

Flowering plant

From eastern Europe and western Asia a now widely planted and often self-sown shrub in many woods in Britain. In some cases it makes up the whole of the lower canopy, effectively shading out any ground flora and preventing the natural regeneration of trees and shrubs. Widespread and increasing in Sussex.

Grid Reference	Recorder	Date	Locality
SU90W	D Donovan	2007	Yapton/Climping area, West Sussex (VC13)
TQ00S	D Donovan	01/01/2008 - 31/12/2008	Climping/Ford/Littlehampton area, West Sussex (VC13)

Rosa rugosa — Japanese Rose

Flowering plant

A native of eastern Asia and now widespread as a garden escape in Britain, favouring waste ground and sandy areas. It can form extensive thickets and is increasing. Widely recorded in Sussex. Listed on Schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
TQ001034	D Donovan	09/05/2006	Station Road, Ford, West Sussex (VC13)
TQ001035	Anon @ Sussex Bot. Rec. Soc.;D Donovan	1988 - 2000	Arundel, West Sussex (VC13)
TQ0197801115	M Hollings;O.M. Hollings	2008	Climping, Climping CP
TQ0197801114	D. Donovan	25/05/2011	Climping

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Sussex Biodiversity Record Centre

Woods Mill, Henfield, West Sussex BN5 9SD
info@sxbrc.org.uk
www.sxbrc.org.uk
01273 497521

FULL SPECIES LIST (Excluding Birds)

Land at Ford Airfield + 2km radius

20 July 2015 ESD/15/486 **Search Area:** SU9701 to TQ0104

Jeff Pickslay (Artemis Ecological Consulting)

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Lactuca serriola f. integrifolia			25/06/2011	-	1
Lactuca serriola f. serriola			25/06/2011	-	1
Thera vetustata			10/10/2011	-	1
Leptoglossus occidentalis			25/02/2014	-	2
Pulvinaria regalis			14/05/2007	-	1
Calvatia gigantea	Giant Puffball	fungus	29/01/2006	-	1
Peltigera leprosa		lichen	05/04/1990	-	2
Caloplaca saxicola		lichen	05/04/1990	02/02/1993	4
Xanthoria calcicola		lichen	05/04/1990	02/02/1993	2
Xanthoria parietina	Common Orange Lichen	lichen	05/04/1990	06/05/2006	4
Xanthoria polycarpa		lichen	02/02/1993	-	1
Tephromela atra	Black Shields	lichen	05/04/1990	06/05/2006	6
Bilimbia sabuletorum		lichen	05/04/1990	-	1
Caloplaca holocarpa		lichen	05/04/1990	06/05/2006	3
Lecania erysibe		lichen	05/04/1990	-	1
Caloplaca aurantia		lichen	05/04/1990	06/05/2006	3
Scoliciosporum chlorococcum		lichen	28/02/2002	06/05/2006	2
Lecania erysibe		lichen	02/02/1993	-	1
Caloplaca flavescens		lichen	05/04/1990	06/05/2006	4
Scoliciosporum umbrinum		lichen	02/02/1993	-	1
Caloplaca citrina		lichen	05/04/1990	06/05/2006	3
Collema auriforme		lichen	05/04/1990	-	1
Ramalina lacera		lichen	05/04/1990	-	1
Ramalina fastigiata		lichen	06/05/2006	-	1
Ramalina farinacea		lichen	02/02/1993	06/05/2006	2
Clostomum griffithii		lichen	06/05/2006	-	1
Micarea denigrata		lichen	05/04/1990	-	1
Rinodina teichophila		lichen	05/04/1990	-	1

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Rinodina oleae		lichen	05/04/1990	06/05/2006	2
Caloplaca dalmatica		lichen	05/04/1990	02/02/1993	4
Aspicilia contorta		lichen	02/02/1993	-	1
Hypocenomyce scalaris		lichen	05/04/1990	-	1
Diplotomma albostrum		lichen	05/04/1990	02/02/1993	2
Diploicia canescens		lichen	05/04/1990	06/05/2006	4
Buellia stellulata		lichen	05/04/1990	-	1
Buellia ocellata		lichen	05/04/1990	-	2
Buellia aethalea		lichen	05/04/1990	08/05/2006	2
Amandinea punctata		lichen	05/04/1990	06/05/2006	3
Rhizocarpon levatum		lichen	05/04/1990	-	1
Rhizocarpon geographicum		lichen	06/05/2006	-	1
Rhizocarpon distinctum		lichen	05/04/1990	31/12/1995	2
Belonia nidarosiensis		lichen	05/04/1990	02/02/1993	2
Ochrolechia parella	Parelle	lichen	05/04/1990	02/02/1993	2
Lecidea fuscoatra		lichen	05/04/1990	-	1
Aspicilia calcarea		lichen	05/04/1990	06/05/2006	4
Peltigera membranacea		lichen	06/05/2006	-	1
Peltigera lactucifolia		lichen	06/05/2006	-	1
Peltigera canina		lichen	07/09/1989	-	1
Leptogium turgidum		lichen	05/04/1990	-	1
Collema crispum		lichen	05/04/1990	-	1
Lecania hyrcentis		lichen	31/12/1997	-	1
Diploschistes muscorum		lichen	06/05/2006	-	1
Physconia grisea		lichen	05/04/1990	06/05/2006	2
Porpidia tuberculosa		lichen	05/04/1990	02/02/1993	3
Tonnia aromatica		lichen	05/04/1990	02/02/1993	2
Verrucaria nigrescens		lichen	05/04/1990	06/05/2006	3
Cladonia rangiformis		lichen	06/05/2006	-	1
Cladonia rangiferina	Reindeer Moss	lichen	07/09/1989	-	1
Cladonia pyxidata		lichen	06/05/2006	-	1
Cladonia furcata		lichen	06/05/2006	-	1
Cladonia fimbriata		lichen	06/05/2006	-	1
Cladonia chlorophaea		lichen	06/05/2006	-	1
Cladonia squamosa agg	Cup Lichen	lichen	07/09/1989	-	1
Candelariella vitellina		lichen	05/04/1990	06/05/2006	3
Candelariella medians		lichen	05/04/1990	-	2
Candelariella aurella		lichen	05/04/1990	-	1
Sarcogyne regularis		lichen	06/05/2006	-	1
Haematomma ochroleucum var. porphyrium		lichen	05/04/1990	-	1
Verrucaria viridula		lichen	05/04/1990	06/05/2006	3
Dirina massiliensis f. sorediata		lichen	05/04/1990	02/02/1993	3
Verrucaria muralis		lichen	05/04/1990	02/02/1993	2
Verrucaria macrostoma		lichen	02/02/1993	-	1

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Verrucaria hochstetteri		lichen	05/04/1990	06/05/2006	4
Verrucaria baldensis		lichen	05/04/1990	-	1
Acrocordia salweyi		lichen	05/04/1990	-	2
Opegrapha calcarea		lichen	05/04/1990	02/02/1993	2
Enterographa crassa		lichen	06/05/2006	-	1
Physcia tribacia		lichen	02/02/1993	-	1
Arthonia venians		lichen	05/04/1990	-	1
Psilolechia lucida		lichen	05/04/1990	02/02/1993	2
Arthonia radiata		lichen	06/05/2006	-	1
Polysporina simplex		lichen	05/04/1990	-	1
Lecanora rupicola	Slow-growing Lichen	lichen	05/04/1990	31/12/1992	3
Physcia adscendens		lichen	05/04/1990	06/05/2006	4
Phaeophyscia orbicularis		lichen	05/04/1990	02/02/1993	5
Xanthoparmelia verruculifera		lichen	05/04/1990	-	1
Xanthoparmelia mougeotii		lichen	05/04/1990	02/02/1993	3
Parmelia sulcata	Netted Shield Lichen	lichen	05/04/1990	06/05/2006	4
Melanelixia subaurifera		lichen	02/02/1993	06/05/2006	2
Hypogymnia physodes	Dark Crottle	lichen	05/04/1990	06/05/2006	2
Evernia prunastri	Oak Moss	lichen	06/05/2006	-	1
Lecidella scabra		lichen	05/04/1990	-	1
Lecidella elaeochroma		lichen	06/05/2006	-	1
Lecanora sulphurea		lichen	05/04/1990	06/05/2006	3
Lecanora crenulata		lichen	06/04/1990	06/05/2006	3
Lecanora campestris		lichen	05/04/1990	06/05/2006	3
Lecanora chlarotera		lichen	06/05/2006	-	1
Lecanora carpinea		lichen	05/04/1990	-	1
Lecanora symmicta		lichen	06/05/2006	-	1
Lecanora conizaeoides		lichen	05/04/1990	-	2
Lecanora polytropa		lichen	05/04/1990	-	1
Lecanora dispersa		lichen	05/04/1990	06/05/2006	3
Lecanora expallens		lichen	02/02/1993	06/05/2006	2
Lecanora muralis		lichen	06/05/2006	-	1
Lecanora crosthwa		lichen	05/04/1990	-	1
Lecanora albescens		lichen	05/04/1990	02/02/1993	3
Pellia endiviifolia	Endive Pellia	liverwort	22/04/1985	-	1
Lophocolea bidentata	Bifid Crestwort	liverwort	07/09/1989	-	2
Lophocolea heterophylla	Variable-leaved Crestwort	liverwort	22/04/1985	-	1
Cololejeunea minutissima	Minute Pouncewort	liverwort	22/04/1985	-	1
Frullania dilatata	Dilated Scalewort	liverwort	22/04/1985	-	1
Aneura pinguis	Greasewort	liverwort	22/04/1985	-	1
Metzgeria furcata	Forked Veilwort	liverwort	22/04/1985	-	1
Riccardia chamedryfolia	Jagged Germanderwort	liverwort	22/04/1985	-	1
Alloina aloides		moss	22/04/1985	-	1
Rhytidiadelphus squarrosus	Springy Turf-moss	moss	22/04/1985	-	1

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Calliergonella cuspidata	Pointed Spear-moss	moss	22/04/1985	-	1
Hypnum cupressiforme		moss	07/09/1989	-	1
Hypnum cupressiforme	Cypress-leaved Plait-moss	moss	07/09/1989	-	1
Hypnum cupressiforme var. cupressiforme		moss	22/04/1985	-	1
Hypnum lacunosum var. lacunosum	Great Plait-moss	moss	22/04/1985	-	1
Orthotrichum affine	Wood Bristle-moss	moss	22/04/1985	-	1
Orthotrichum diaphanum	White-tipped Bristle-moss	moss	22/04/1985	-	1
Ulota phyllantha	Frizzled Pincushion	moss	22/04/1985	-	1
Zygodon viridissimus	Green Yoke-moss	moss	22/04/1985	-	1
Bartula unguiculata	Bird's-claw Beard-moss	moss	22/04/1985	-	1
Leptobryum pyriforme	Golden Thread-moss	moss	22/04/1985	-	1
Hennediella heimii	Heim's Pottia	moss	22/04/1985	-	1
Syntrichia ruraliformis	Sand-hill Screw-moss	moss	07/09/1989	-	2
Microbryum davallianum	Smallest Pottia	moss	22/04/1985	-	1
Phascum cuspidatum var. cuspidatum		moss	22/04/1985	-	1
Bryum rubens	Crimson-tuber Thread-moss	moss	22/04/1985	-	1
Scleropodium purum	Neat Feather-moss	moss	22/04/1985	07/09/1989	3
Zygodon conoideus	Lesser Yoke-moss	moss	22/04/1985	-	1
Amblystegium serpens	Creeping Feather-moss	moss	22/04/1985	-	1
Polytrichum juniperinum	Juniper Haircap	moss	22/04/1985	-	1
Tortula muralis	Wall Screw-moss	moss	22/04/1985	02/02/1993	2
Bryum argenteum	Silver-moss	moss	22/04/1985	-	1
Bryum capillare	Capillary Thread-moss	moss	22/04/1985	-	1
Bryum pseudotriquetrum	Marsh Bryum	moss	22/04/1985	-	1
Dicranella staphylina	Field Forklet-moss	moss	22/04/1985	-	1
Ceratodon purpureus	Redshank	moss	07/09/1989	-	2
Fissidens taxifolius var. taxifolius		moss	22/04/1985	-	1
Dicranum scoparium	Broom Fork-moss	moss	22/04/1985	-	1
Grimmia pulvinata	Grey-cushioned Grimmia	moss	02/02/1993	-	1
Rhynchostegium megapolitanum	Megapolitan Feather-moss	moss	22/04/1985	-	1
Cratoneuron filicinum	Fern-leaved Hook-moss	moss	22/04/1985	-	1
Drepanocladus aduncus	Kneiff's Hook-moss	moss	22/04/1985	-	1
Brachythecium albicans	Whitish Feather-moss	moss	22/04/1985	07/09/1989	3
Brachythecium rutabulum	Rough-stalked Feather-moss	moss	22/04/1985	07/09/1989	3
Eurhynchium praelongum	Common Feather-moss	moss	22/04/1985	28/02/2002	5
Homalothecium lutescens	Yellow Feather-moss	moss	22/04/1985	-	1
Oxyrrhynchium hians	Swartz's Feather-moss	moss	22/04/1985	-	1
Rhynchostegium confertum	Clustered Feather-moss	moss	22/04/1985	-	1
Campylopus introflexus	Heath Star Moss	moss	22/04/1985	-	1
Pseudocrossidium hornschuchianum	Hornschuch's Beard-moss	moss	22/04/1985	-	1
Equisetum	Horsetail	horsetail	31/05/2007	-	1
Equisetum arvense	Field Horsetail	horsetail	03/07/2005	16/05/2007	5
Equisetum fluviatile	Water Horsetail	horsetail	26/05/2009	-	1
Equisetum palustre	Marsh Horsetail	horsetail	11/09/1997	-	1

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Equisetum telmateia	Great Horsetail	horsetail	03/07/2005	-	1
Asplenium adiantum-nigrum	Black Spleenwort	fern	31/12/2008	-	1
Polypodium interjectum	Intermediate Polypody	fern	31/12/1996	31/12/2006	2
Polystichum setiferum	Soft Shield-fern	fern	27/08/2005	31/12/2007	4
Dryopteris dilatata	Broad Buckler-fern	fern	27/08/2005	06/05/2006	2
Dryopteris affinis	Scaly Male-fern	fern	06/05/2006	-	1
Pteridium aquilinum	Bracken	fern	14/05/2003	31/12/2007	8
Athyrium filix-femina	Lady-fern	fern	18/05/2007	31/05/2007	2
Phyllitis scolopendrium	Hart's-tongue	fern	03/07/2005	20/11/2011	5
Ceterach officinarum	Rustyback	fern	31/03/2008	-	1
Azolla filiculoides	Water Fern	fern	11/09/1997	-	3
Asplenium ruta-muraria	Wall-rue	fern	31/12/2005	24/05/2011	2
Polypodium vulgare	Polypody	fern	31/12/2006	-	1
Asplenium adiantum-nigrum	Black Spleenwort	fern	06/05/2009	-	1
Asplenium	Spleenwort	fern	31/05/2007	-	1
Asplenium trichomanes	Maidenhair Spleenwort	fern	29/09/2011	-	1
Dryopteris filix-mas	Male-fern	fern	27/08/2005	20/11/2011	6
Cupressus macrocarpa	Monterey Cypress	conifer	31/12/1990	-	1
Taxus baccata	Yew	conifer	01/01/1997	27/08/2005	4
Pinus nigra	Corsican Pine	conifer	31/12/2008	-	1
Pinus	Pine	conifer	16/05/2007	31/05/2007	2
Cupressus macrocarpa x Xanthocyparis nootk	Leyland Cypress	conifer	16/05/2007	31/05/2007	2
Thuja		conifer	31/05/2007	-	1
Cupressus		conifer	30/09/2003	-	1
Arctium minus	Lesser Burdock	flowering plant	24/09/2003	11/11/2009	11
Helianthus annuus	Sunflower	flowering plant	30/09/2007	-	1
Anthemis arvensis	Corn Chamomile	flowering plant	31/12/1997	-	1
Heliopsis scabra	Rough Oxeye	flowering plant	30/09/2003	-	1
Centaurea cyanus	Cornflower	flowering plant	31/12/1997	-	1
Carduus tenuiflorus	Slender Thistle	flowering plant	31/12/2007	-	2
Carduus nutans	Musk Thistle	flowering plant	31/12/2005	-	1
Carduus crispus	Welted Thistle	flowering plant	03/07/2005	31/12/2010	2
Arctium lappa	Greater Burdock	flowering plant	11/07/2005	31/12/2009	6
Hieracium	Hawkweed	flowering plant	30/09/2003	31/05/2007	3
Artemisia vulgaris	Mugwort	flowering plant	24/09/2003	31/05/2007	8
Gnaphalium uliginosum	Marsh Cudweed	flowering plant	31/12/2007	-	2
Aster novi-belgii x lanceolatus = A. x salignus	Common Michaelmas-daisy	flowering plant	29/09/2004	-	1
Crepis vesicaria	Beaked Hawk's-beard	flowering plant	18/07/1979	31/12/2006	5
Calendula officinalis	Pot Marigold	flowering plant	31/08/2003	09/11/2011	4
Aster tripolium	Sea Aster	flowering plant	02/09/1997	10/09/2011	7
Bellis perennis	Daisy	flowering plant	18/07/1979	31/05/2007	10
Anthemis cotula	Stinking Chamomile	flowering plant	16/07/2006	-	1
Crocus tommasinianus	Early Crocus	flowering plant	23/02/2011	-	4
Cirsium vulgare	Spear thistle	flowering plant	18/07/1979	31/05/2007	16

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Cirsium palustre	Marsh Thistle	flowering plant	31/12/2005	06/05/2006	3
Cirsium arvense	Creeping thistle	flowering plant	18/07/1978	11/11/2009	27
Cichorium intybus	Chicory	flowering plant	31/12/2006	-	1
Sicentia		flowering plant	13/07/2004	-	1
Centaurea scabiosa	Greater Knapweed	flowering plant	31/12/2005	31/12/2008	2
Centaurea nigra	Common Knapweed	flowering plant	18/07/1979	31/05/2007	16
Erigeron karvinskianus	Mexican Fleabane	flowering plant	31/08/2004	06/05/2008	3
Conyza canadensis	Canadian Fleabane	flowering plant	26/09/2006	31/12/2009	5
Glebionis segetum	Corn Marigold	flowering plant	31/12/1997	31/07/2004	2
Achillea ptarmica	Sneezewort	flowering plant	14/06/2009	-	1
Conyza sumatrensis	Guernsey Fleabane	flowering plant	31/08/2003	31/12/2006	7
Crepis capillaris	Smooth Hawk's-beard	flowering plant	18/07/1978	20/09/2005	5
Conyza bonariensis	Argentine Fleabane	flowering plant	07/08/2005	-	2
Erigeron glaucus	Seaside Daisy	flowering plant	31/12/1990	-	1
Eupatorium cannabinum	Hemp-agrimony	flowering plant	23/07/2005	19/09/2011	4
Filago vulgaris	Common Cudweed	flowering plant	21/06/2005	-	1
Centaurea montana	Perennial Cornflower	flowering plant	21/03/2009	-	3
Leucojum aestivum subsp. pulchellum	Summer Snowflake	flowering plant	09/04/2006	-	1
Gladiolus communis	Eastern Gladiolus	flowering plant	07/08/2007	24/09/2011	4
Hyacinthoides non-scripta x hispanica = H. x	Hybrid bluebell	flowering plant	20/09/2005	31/12/2006	6
Hyacinthoides non-scripta	Bluebell	flowering plant	20/09/2005	31/12/2010	8
Hyacinthoides hispanica	Spanish Bluebell	flowering plant	31/05/2002	14/05/2003	3
Cordyline australis	Cabbage-palm	flowering plant	31/12/2005	12/03/2006	2
Tristagma uniflorum	Spring Starflower	flowering plant	31/12/2006	-	1
Narcissus pseudonarcissus subsp. pseudonar	Daffodil	flowering plant	13/03/2009	-	1
Muscari neglectum	Grape-hyacinth	flowering plant	31/12/2006	-	2
Narcissus	daffodils	flowering plant	06/05/2006	14/04/2011	8
Ornithogalum angustifolium	Star-of-Bethlehem	flowering plant	17/05/2005	19/05/2009	3
Leucojum aestivum	Summer Snowflake	flowering plant	09/04/2006	13/03/2009	2
Galanthus nivalis x plicatus	Snowdrop	flowering plant	23/02/2011	-	2
Galanthus nivalis	Snowdrop	flowering plant	31/12/2005	23/04/2011	11
Galanthus elwesii	Greater Snowdrop	flowering plant	23/02/2011	-	2
Allium vineale	Wild Onion	flowering plant	07/09/1989	18/09/2010	4
Allium triquetrum	Three-cornered Garlic	flowering plant	31/12/1995	30/04/2005	3
Allium roseum	Rosy Garlic	flowering plant	31/12/1980	20/06/2009	9
Narcissus poeticus x pseudonarcissus = N. x i	Nonesuch Daffodil	flowering plant	14/04/2009	-	1
Iris foetidissima	Stinking Iris	flowering plant	27/08/2005	14/04/2009	4
Spiranthes spiralis	Autumn Lady's-tresses	flowering plant	07/09/1989	-	1
Orchis mascula	Early-purple Orchid	flowering plant	06/05/2006	-	1
Ophrys apifera	Bee Orchid	flowering plant	18/06/1992	22/06/2012	8
Dactylorhiza fuchsii	Common Spotted-orchid	flowering plant	31/12/2005	25/05/2014	3
Anacamptis pyramidalis	Pyramidal Orchid	flowering plant	18/06/1992	-	1
Sparaxis grandiflora	Plain Harlequinflower	flowering plant	24/05/2011	-	1
Sisyrinchium striatum	Pale Yellow-eyed-grass	flowering plant	31/12/2007	14/06/2008	2

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Muscari armeniacum	Garden Grape-hyacinth	flowering plant	31/12/2006	06/04/2007	3
Iris orientalis	Turkish Iris	flowering plant	13/05/2007	01/06/2007	2
Achillea millefolium	Yarrow	flowering plant	18/07/1979	11/11/2009	14
Gladiolus communis subsp. byzantinus	Gladiolus	flowering plant	19/05/2009	-	1
Allium ampeloprasum	Broad-leaved Leek	flowering plant	31/12/1995	17/08/2006	6
Crocus vernus	Spring Crocus	flowering plant	20/02/2011	-	1
Lactuca serriola	Prickly Lettuce	flowering plant	24/09/2003	27/10/2011	5
Crocus angustifolius x flavus = C. x stellaris	Yellow Crocus	flowering plant	22/02/2009	-	1
Crocosmia paniculata x aurea = C. x crocosmiiflora	Montbretia	flowering plant	29/08/2004	24/05/2011	6
Ruscus aculeatus	Butcher's-broom	flowering plant	27/06/2005	23/11/2011	3
Iris pseudacorus	Yellow Iris	flowering plant	11/09/1997	31/12/2010	11
Lonicera nitida	Wilson's Honeysuckle	flowering plant	31/12/2005	-	1
Lotus pedunculatus	Greater Bird's-foot-trefoil	flowering plant	25/05/2009	-	1
Lotus corniculatus	Common Bird's-foot-trefoil	flowering plant	18/07/1979	25/05/2014	8
Lathyrus sylvestris	Narrow-leaved Everlasting-pea	flowering plant	31/08/2003	27/08/2005	2
Lathyrus pratensis	Meadow Vetchling	flowering plant	03/07/2005	20/09/2005	3
Lathyrus nissolia	Grass Vetchling	flowering plant	02/06/2007	-	1
Lathyrus latifolius	Broad-leaved Everlasting-pea	flowering plant	31/12/1993	10/09/2011	4
Cytisus scoparius	Broom	flowering plant	16/11/2011	-	1
Anthyllis vulneraria subsp. vulneraria	Kidney Vetch	flowering plant	26/05/2010	-	1
Valerianella locusta	Common Cornsalad	flowering plant	30/04/2010	-	1
Valerianella carinata	Keeled-fruited Cornsalad	flowering plant	31/12/1994	24/05/2011	4
Hypochaeris glabra	Smooth Cat's-ear	flowering plant	31/05/2000	-	1
Lonicera periclymenum	Honeysuckle	flowering plant	07/09/1989	06/05/2006	6
Medicago polymorpha	Toothed Medick	flowering plant	19/07/2007	-	1
Lonicera japonica	Japanese Honeysuckle	flowering plant	06/07/2005	18/08/2010	3
Leycesteria formosa	Himalayan Honeysuckle	flowering plant	22/05/1994	29/05/2006	2
Knautia arvensis	Field Scabious	flowering plant	31/12/2005	06/07/2014	2
Dipsacus pilosus	Small Teasel	flowering plant	03/07/2005	27/08/2005	2
Dipsacus fullonum	Wild Teasel	flowering plant	16/05/2007	10/09/2011	5
Dipsacus fullonum	Wild Teasel	flowering plant	02/09/1997	06/05/2006	13
Centranthus ruber	Red valerian	flowering plant	29/09/2004	28/12/2011	3
Viburnum opulus	Guelder-rose	flowering plant	31/12/2006	29/09/2011	2
Sambucus nigra	Elder	flowering plant	18/07/1979	18/04/2009	11
Sambucus ebulus	Dwarf Elder	flowering plant	16/05/2007	31/05/2007	2
Symphoricarpos albus	Snowberry	flowering plant	31/12/2006	-	1
Trifolium pratense	Red Clover	flowering plant	31/08/2001	25/05/2014	10
Vicia sativa subsp. nigra	Narrow-leaved Vetch	flowering plant	03/07/2005	31/12/2007	3
Vicia sativa	Common Vetch	flowering plant	16/05/2007	31/05/2007	2
Vicia lathyroides	Spring Vetch	flowering plant	31/12/1991	03/05/2014	4
Vicia hirsuta	Hairy Tare	flowering plant	11/07/2005	31/12/2005	2
Vicia faba	Broad Bean	flowering plant	31/12/2006	31/12/2006	2
Vicia cracca	Tufted Vetch	flowering plant	29/08/2004	10/09/2011	8
Ulex europaeus	Gorse	flowering plant	07/09/1989	16/11/2011	8

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Trifolium suffocatum	Suffocated Clover	flowering plant	18/07/1979	31/12/2006	6
Trifolium striatum	Knotted Clover	flowering plant	31/12/2006	-	1
Trifolium squamosum	Sea Clover	flowering plant	03/06/2014	-	1
Medicago arabica	Spotted Medick	flowering plant	11/07/2005	06/05/2006	4
Trifolium repens	White Clover	flowering plant	18/07/1979	20/09/2005	7
Medicago lupulina	Black Medick	flowering plant	18/07/1979	15/09/2011	8
Trifolium ornithopodioides	Bird's-foot Clover	flowering plant	31/12/1991	18/05/2011	5
Trifolium micranthum	Slender Trefoil	flowering plant	17/05/2003	31/12/2009	4
Trifolium hybridum	Alsike Clover	flowering plant	31/12/2006	31/12/2007	2
Trifolium dubium	Lesser Trefoil	flowering plant	31/08/2001	31/07/2011	6
Trifolium campestre	Hop Trefoil	flowering plant	31/12/2006	-	1
Robinia pseudoacacia	False-acacia	flowering plant	01/07/2011	-	1
Onobrychis viciifolia	Sainfoin	flowering plant	20/09/2005	-	1
Melilotus altissimus	Tall Melilot	flowering plant	18/07/1979	31/12/2006	4
Melilotus albus	White Melilot	flowering plant	27/10/2011	-	1
Medicago sativa subsp. sativa	Lucerne	flowering plant	31/12/2006	-	1
Cucurbita maxima	Pumpkin	flowering plant	31/07/2003	22/07/2006	2
Trifolium scabrum	Rough Clover	flowering plant	18/07/1979	03/05/2014	3
Picris echioides	Bristly Oxtongue	flowering plant	13/07/2004	11/11/2009	8
Adoxa moschatellina	Moschatel	flowering plant	06/05/2006	-	1
Senecio vulgaris	Groundsel	flowering plant	07/09/1989	31/05/2007	10
Senecio viscosus	Sticky Groundsel	flowering plant	31/07/2003	10/09/2011	4
Senecio sylvaticus	Heath Groundsel	flowering plant	01/07/2011	-	1
Senecio squalidus	Oxford Ragwort	flowering plant	27/09/2005	10/09/2011	4
Senecio jacobaea	Ragwort	flowering plant	18/07/1979	31/05/2007	15
Senecio inaequidens	Narrow-leaved Ragwort	flowering plant	31/12/1994	21/07/2007	4
Senecio erucifolius	Hoary Ragwort	flowering plant	03/07/2005	31/07/2011	6
Senecio aquaticus	Marsh Ragwort	flowering plant	30/09/2004	31/12/2006	3
Pulicaria dysenterica	Common Fleabane	flowering plant	02/09/1997	08/09/2012	21
Silybum marianum	Milk Thistle	flowering plant	31/12/1995	-	1
Picris hieracioides	Hawkweed Oxtongue	flowering plant	27/08/2006	31/12/2007	2
Solidago	Goldenrod	flowering plant	16/05/2007	31/05/2007	2
Petasites fragrans	Winter Heliotrope	flowering plant	27/09/2005	31/12/2008	4
Onopordum acanthium	Cotton Thistle	flowering plant	31/08/2003	-	1
Matricaria recutita	Scented Mayweed	flowering plant	13/07/2004	31/12/2007	5
Matricaria discoidea	Pineappleweed	flowering plant	18/07/1979	31/12/2006	4
Matricaria		flowering plant	16/05/2007	-	1
Leucanthemum vulgare	Oxeye Daisy	flowering plant	11/07/2005	03/06/2010	7
Leontodon saxatilis	Lesser Hawkbit	flowering plant	07/09/1989	27/10/2011	4
Leontodon hispidus	Rough Hawkbit	flowering plant	07/09/1989	29/08/2011	5
Leontodon autumnalis	Autumn Hawkbit	flowering plant	29/08/2004	10/09/2011	8
Lapsana communis	Nipplewort	flowering plant	11/07/2005	06/05/2006	4
Oenanthe crocata	Hemlock Water-dropwort	flowering plant	11/09/1997	06/05/2006	8
Pilosella officinarum	Mouse-ear-hawkweed	flowering plant	18/07/1979	29/08/2004	3

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Tripleurospermum inodorum	Scentless Mayweed	flowering plant	07/09/1989	18/09/2010	6
Hypochaeris radicata	Cat's-ear	flowering plant	18/07/1979	06/05/2006	7
Cucumis sativus	Cucumber	flowering plant	02/09/2006	-	1
Bryonia dioica	White Bryony	flowering plant	18/07/1979	18/09/2010	9
Cornus sanguinea	Dogwood	flowering plant	27/08/2005	31/12/2008	5
Cornus		flowering plant	16/05/2007	31/05/2007	2
Euonymus japonicus	Evergreen Spindle	flowering plant	31/12/2006	-	1
Euonymus europaeus	Spindle	flowering plant	06/05/2006	31/12/2006	2
Lobelia erinus	Garden Lobelia	flowering plant	04/10/2005	-	1
Campanula poscharskyana	Trailing Bellflower	flowering plant	22/10/2010	-	1
Campanula portenschlagiana	Adria Bellflower	flowering plant	31/12/1991	31/12/1994	2
Seriphidium maritimum	Sea Wormwood	flowering plant	18/08/1992	08/09/2008	7
Tripleurospermum maritimum subsp. maritimu	Scentless Mayweed	flowering plant	31/08/2001	-	1
Dioscorea communis	Black Bryony	flowering plant	24/08/2003	06/05/2006	4
Tripleurospermum	Mayweed	flowering plant	31/05/2007	-	1
Tragopogon pratensis	Goat's-beard	flowering plant	03/07/2005	18/09/2011	4
Taraxacum officinale agg.	Dandelion	flowering plant	18/07/1979	31/05/2007	7
Taraxacum aggregate		flowering plant	11/07/2005	06/05/2006	4
Taraxacum	Dandelion Agg.	flowering plant	31/08/2001	-	1
Tanacetum vulgare	Tansy	flowering plant	03/07/2005	10/09/2011	4
Tanacetum parthenium	Feverfew	flowering plant	03/07/2005	06/05/2006	3
Sonchus oleraceus	Smooth Sow-thistle	flowering plant	18/07/1979	06/05/2006	7
Sonchus asper	Prickly Sow-thistle	flowering plant	18/07/1979	31/05/2007	10
Sonchus arvensis	Perennial Sow-thistle	flowering plant	18/07/1979	06/05/2006	7
Solidago virgaurea	Goldenrod	flowering plant	29/08/2004	-	1
Tussilago farfara	Colt's-foot	flowering plant	29/08/2004	18/09/2010	5
Aphanes arvensis agg.	Parsley Piert	flowering plant	30/09/2005	06/05/2006	2
Phalaris arundinacea	Reed Canary-grass	flowering plant	02/09/1997	03/07/2011	7
Vulpia fasciculata	Dune Fescue	flowering plant	31/12/1991	03/05/2014	4
Vulpia myuros	Rat's-tail Fescue	flowering plant	20/09/2005	31/12/2007	2
Sparganium erectum	Branched Bur-reed	flowering plant	02/09/1997	13/09/2008	6
Sparganium erectum subsp. neglectum	Branched Bur-Reed	flowering plant	06/08/2010	-	1
Typha latifolia	Bulrush	flowering plant	02/09/1997	24/05/2011	13
Cannabis sativa	Hemp	flowering plant	27/10/2011	-	1
Humulus lupulus	Hop	flowering plant	06/05/2006	31/12/2006	2
Elaeagnus macrophylla x pungens = E. x sub	Ebbinge's Oleaster	flowering plant	31/05/2007	-	1
Vulpia bromoides	Squirreltail Fescue	flowering plant	31/08/2001	-	1
Agrimonia eupatoria	Agrimony	flowering plant	11/07/2005	31/12/2008	5
Triticum aestivum	Bread Wheat	flowering plant	31/12/2005	18/09/2010	3
Aphanes arvensis	Parsley-piert	flowering plant	27/08/2005	31/12/2005	2
Cotoneaster franchetii	Franchet's Cotoneaster	flowering plant	31/12/1990	-	1
Cotoneaster frigidus x salicifolius = C. x water	Waterer's Cotoneaster	flowering plant	22/05/1994	-	1
Cotoneaster horizontalis	Wall Cotoneaster	flowering plant	31/12/2008	-	1
Cotoneaster rehderi	Bullate Cotoneaster	flowering plant	19/08/2009	-	1

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Crataegus heterophylla	Various-leaved Hawthorn	flowering plant	18/04/2011	-	1
Crataegus monogyna	Hawthorn	flowering plant	18/07/1979	29/11/2009	13
Crataegus monogyna x laevigata = C. x media		flowering plant	31/12/2006	-	2
Filipendula ulmaria	Meadowsweet	flowering plant	11/09/1997	27/10/2011	4
Hippophae rhamnoides	Sea-buckthorn	flowering plant	29/08/2004	-	1
Poa nemoralis	Wood Meadow-grass	flowering plant	31/12/2005	-	1
Petroselinum segetum	Corn Parsley	flowering plant	02/09/1997	13/05/2007	3
Phalaris paradoxa	Awned Canary-grass	flowering plant	31/07/2001	27/10/2011	6
Phleum pratense	Timothy	flowering plant	14/05/2003	-	2
Phleum arenarium	Sand Cat's-tail	flowering plant	07/09/1989	03/05/2014	6
Phleum bertolonii	Smaller Cat's-tail	flowering plant	03/07/2005	10/09/2011	5
Phleum pratense	Timothy	flowering plant	31/07/2005	31/12/2009	6
Phragmites australis	Common Reed	flowering plant	02/09/1997	08/09/2012	22
Poa annua	Annual Meadow-grass	flowering plant	26/07/2003	26/12/2011	8
Poa bulbosa	Bulbous Meadow-grass	flowering plant	31/12/1990	31/12/1991	3
Vulpia ciliata subsp. ambigua	Purple Fescue	flowering plant	31/12/1991	15/06/2000	2
Poa infirma	Early Meadow-grass	flowering plant	31/12/2000	-	1
Malus pumila	Apple	flowering plant	29/08/2004	26/09/2006	4
Poa pratensis	Smooth Meadow-grass	flowering plant	07/09/1989	31/12/2007	3
Poa trivialis	Rough Meadow-grass	flowering plant	18/07/1979	06/05/2006	5
Polypogon monspeliensis	Annual Beard-grass	flowering plant	31/12/1996	21/06/2005	3
Polypogon viridis	Water Bent	flowering plant	01/06/2009	20/08/2010	2
Carex remota	Remote Sedge	flowering plant	27/08/2005	-	1
Puccinellia fasciculata	Borrer's Saltmarsh-grass	flowering plant	11/09/1997	-	1
Puccinellia rupestris	Stiff Saltmarsh-grass	flowering plant	11/09/1997	31/12/1997	2
Spartina maritima x alterniflora = S. x townsen	Townsend's Cord-grass	flowering plant	31/12/1986	30/07/2011	3
Trisetum flavescens	Yellow Oat-grass	flowering plant	03/07/2005	31/12/2009	3
Poa humilis	Spreading Meadow-grass	flowering plant	31/12/1991	-	1
Urtica urens	Small Nettle	flowering plant	27/08/2005	01/07/2011	3
Rubus ulmifolius	Bramble	flowering plant	01/07/2011	-	1
Sanguisorba minor subsp. minor	Salad Burnet	flowering plant	31/12/2005	-	1
Sorbaria sorbifolia	Sorbaria	flowering plant	31/12/1997	-	1
Sorbus aucuparia	Rowan	flowering plant	31/05/2002	06/05/2006	3
Ulmus	Elm	flowering plant	29/08/2004	29/09/2011	8
Ulmus aggregate		flowering plant	31/12/2010	-	1
Ulmus glabra x minor x plotii = U. x hollandica	Dutch Elm	flowering plant	31/12/2006	-	1
Ulmus minor	Elm	flowering plant	31/12/2007	-	1
Ulmus procera	English Elm	flowering plant	31/05/2002	31/05/2006	6
Fragaria vesca	Wild Strawberry	flowering plant	31/12/2006	-	1
Urtica dioica	Common Nettle	flowering plant	18/07/1979	11/11/2009	33
Rubus idaeus	Raspberry	flowering plant	06/05/2006	03/05/2009	2
Sedum acre	Biting Stonecrop	flowering plant	18/07/1979	31/12/2006	6
Sedum album	White Stonecrop	flowering plant	18/07/1979	31/12/1990	2
Sedum rupestre	Reflexed Stonecrop	flowering plant	31/12/2005	06/10/2010	2

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Umbilicus rupestris	Navelwort	flowering plant	31/12/1991	30/12/2010	12
Ribes nigrum	Black Currant	flowering plant	31/12/2005	31/12/2006	2
Ribes rubrum	Red Currant	flowering plant	06/05/2006	10/09/2011	3
Ribes sanguineum	Flowering Currant	flowering plant	03/05/2010	-	1
Ribes uva-crispa	Gooseberry	flowering plant	31/12/2008	-	1
Bergenia crassifolia	Elephant-ears	flowering plant	11/05/2011	-	1
Parietaria judaica	Pellitory-of-the-wall	flowering plant	26/07/2003	20/09/2005	3
Prunus spinosa x domestica = P. x fruticans	Cherry	flowering plant	10/03/2003	30/10/2010	9
Parapholis strigosa	Hard-grass	flowering plant	18/07/1979	11/07/2005	2
Potentilla anserina	Silverweed	flowering plant	03/07/2005	06/05/2006	4
Potentilla reptans	Creeping Cinquefoil	flowering plant	18/07/1979	06/05/2006	5
Potentilla sterilis	Barren Strawberry	flowering plant	31/12/2007	20/11/2011	2
Prunus avium	Wild Cherry	flowering plant	06/05/2006	10/11/2011	2
Prunus cerasifera	Cherry Plum	flowering plant	18/07/1979	19/09/2010	4
Prunus domestica	Wild Plum	flowering plant	26/09/2009	-	1
Prunus laurocerasus	Cherry Laurel	flowering plant	31/12/2007	31/12/2008	2
Prunus lusitanica	Portugal Laurel	flowering plant	29/11/2008	-	1
Rubus laciniatus	Bramble	flowering plant	31/12/1990	17/05/2011	2
Prunus spinosa	Blackthorn	flowering plant	29/08/2004	31/05/2007	7
Rubus armeniacus	Bramble	flowering plant	31/12/2005	01/07/2011	4
Pyrus communis	Pear	flowering plant	06/06/2008	-	1
Rosa	Rose	flowering plant	31/12/2008	-	1
Rosa canina agg.	Dog Rose	flowering plant	11/07/2005	31/05/2007	7
Rosa rubiginosa agg.	Sweet-Briar	flowering plant	31/12/1991	-	1
Rosa arvensis	Field-rose	flowering plant	27/08/2005	26/09/2006	2
Rosa canina	Dog-rose	flowering plant	16/05/2007	20/11/2011	4
Rosa rugosa	Japanese Rose	flowering plant	31/12/2000	25/05/2011	4
Rubus fruticosus agg.	Bramble	flowering plant	18/07/1979	07/11/2010	21
Rubus caesius	Dewberry	flowering plant	27/08/2005	01/07/2011	4
Geum urbanum	Wood Avens	flowering plant	27/08/2005	19/09/2010	5
Prunus padus	Bird Cherry	flowering plant	03/05/2010	-	1
Juncus articulatus	Jointed Rush	flowering plant	06/09/2010	-	1
Phalaris canariensis	Canary-grass	flowering plant	31/12/2009	-	2
Apium graveolens	Wild Celery	flowering plant	11/09/1997	31/05/2002	5
Anthriscus sylvestris	Cow Parsley	flowering plant	14/05/2003	31/05/2007	8
Angelica sylvestris	Wild Angelica	flowering plant	11/09/1997	10/09/2011	5
Aethusa cynapium	Fool's Parsley	flowering plant	31/05/2002	22/10/2010	5
Aegopodium podagraria	Ground-elder	flowering plant	29/09/2004	31/12/2007	4
Acorus calamus	Sweet-flag	flowering plant	31/05/2002	-	1
Carex riparia	Greater Pond-sedge	flowering plant	02/09/1997	06/05/2006	7
Schoenoplectus tabernaemontani	Grey Club-rush	flowering plant	02/09/1997	01/07/2011	6
Astrantia major	Astrantia	flowering plant	14/09/2006	-	1
Juncus bufonius agg.	Toad Rush agg.	flowering plant	11/09/1997	06/05/2006	7
Berula erecta	Lesser Water-parsnip	flowering plant	11/09/1997	31/07/2011	5

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Juncus effusus	Soft-rush	flowering plant	11/07/2005	20/11/2011	8
Juncus gerardi	Saltmarsh Rush	flowering plant	02/09/1997	03/07/2005	3
Juncus inflexus	Hard Rush	flowering plant	11/09/1997	31/12/2007	8
Luzula campestris	Field Wood-rush	flowering plant	29/08/2005	31/12/2007	4
Agrostis capillaris	Common Bent	flowering plant	21/06/2005	18/09/2010	4
Agrostis gigantea	Black Bent	flowering plant	31/12/2008	31/12/2009	3
Agrostis stolonifera	Creeping Bent	flowering plant	11/09/1997	11/11/2011	14
Aira praecox	Early Hair-grass	flowering plant	07/09/1989	06/05/2009	2
Alopecurus geniculatus	Marsh Foxtail	flowering plant	11/09/1997	25/05/2009	5
Chrysosplenium oppositifolium	Opposite-leaved Golden-saxifrage	flowering plant	06/06/2006	16/11/2011	2
Puccinellia distans	Reflexed Saltmarsh-Grass	flowering plant	02/09/1997	31/08/2009	3
Ilex aquifolium	Holly	flowering plant	27/06/2005	06/05/2006	4
Hedera helix	Ivy	flowering plant	07/09/1989	31/12/2008	14
Aralia		flowering plant	16/05/2007	31/05/2007	2
Torilis nodosa	Knotted Hedge-parsley	flowering plant	16/07/1979	29/09/2011	9
Torilis japonica	Upright Hedge-parsley	flowering plant	31/12/2005	10/09/2011	3
Smyrnium olusatrum	Alexanders	flowering plant	31/12/2008	-	1
Sium latifolium	Greater Water-parsnip	flowering plant	31/12/1978	-	1
Sison amomum	Stone Parsley	flowering plant	31/08/2003	31/12/2006	2
Pimpinella saxifraga	Burnet-saxifrage	flowering plant	27/08/2005	10/09/2011	3
Apium nodiflorum	Fool's-water-cress	flowering plant	02/09/1997	16/11/2011	17
Pastinaca sativa	Wild Parsnip	flowering plant	29/08/2004	31/05/2007	5
Ammophila arenaria	Marram	flowering plant	07/09/1989	29/08/2004	3
Heracleum sphondylium	Hogweed	flowering plant	16/07/1979	11/11/2009	16
Foeniculum vulgare	Fennel	flowering plant	31/08/2003	26/09/2006	4
Eryngium maritimum	Sea-holly	flowering plant	07/09/1989	29/08/2004	4
Daucus carota subsp. carota	Wild Carrot	flowering plant	27/08/2005	10/09/2011	6
Daucus carota	Carrot	flowering plant	16/07/1979	06/05/2006	8
Crithmum maritimum	Rock Samphire	flowering plant	29/08/2004	-	1
Conopodium majus	Pignut	flowering plant	06/05/2006	-	1
Conium maculatum	Hemlock	flowering plant	16/07/1979	20/09/2005	4
Chaerophyllum temulum	Rough Chervil	flowering plant	31/12/2007	-	2
Vicia sativa subsp. segetalis	Common Vetch	flowering plant	11/07/2005	31/07/2011	4
Holcus lanatus	Yorkshire-fog	flowering plant	31/08/2001	11/11/2009	12
Elytrigia repens	Common Couch	flowering plant	03/07/2005	18/09/2010	6
Festuca rubra agg.	Red Fescue	flowering plant	21/06/2005	31/12/2005	3
Festuca arundinacea	Tall Fescue	flowering plant	03/07/2005	29/08/2005	2
Festuca brevipila	Hard Fescue	flowering plant	27/04/2007	-	1
Festuca gigantea	Giant Fescue	flowering plant	27/08/2005	28/12/2011	4
Festuca rubra	Red Fescue	flowering plant	07/09/1989	11/11/2009	5
Glyceria	Sweet-Grass	flowering plant	11/09/1997	-	2
Glyceria declinata	Small Sweet-grass	flowering plant	02/09/1997	-	2
Glyceria fluitans	Floating Sweet-grass	flowering plant	11/09/1997	11/11/2009	5
Alopecurus myosuroides	Black-grass	flowering plant	03/07/2005	31/12/2006	3

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Glyceria notata	Plicate Sweet-grass	flowering plant	11/09/1997	-	1
Elytrigia atherica	Sea Couch	flowering plant	18/07/1979	10/09/2011	12
Hordeum murinum	Wall Barley	flowering plant	18/07/1979	31/07/2011	9
Hordeum secalinum	Meadow Barley	flowering plant	18/07/1979	31/12/2009	5
Hordeum vulgare	Six-rowed Barley	flowering plant	31/12/2008	-	1
Lagurus ovatus	Hare's-tail	flowering plant	31/08/2001	03/06/2014	3
Lolium multiflorum	Italian Rye-grass	flowering plant	27/08/2005	10/07/2007	2
Lolium perenne	Perennial Rye-grass	flowering plant	18/07/1979	31/05/2008	8
Lolium perenne x multiflorum = L. x boucheanum	Hybrid Rye-Grass	flowering plant	18/05/2011	-	1
Panicum miliaceum	Common Millet	flowering plant	31/12/1998	07/09/2011	6
Parapholis incurva	Curved Hard-grass	flowering plant	18/07/1979	31/12/1990	2
Glyceria maxima	Reed Sweet-grass	flowering plant	11/09/1997	26/09/2005	4
Bromus sterilis	Barren Brome	flowering plant	31/08/2001	31/05/2007	7
Allium	Onion	flowering plant	24/05/2011	-	1
Anthoxanthum odoratum	Sweet Vernal-grass	flowering plant	20/09/2005	06/05/2006	3
Arrhenatherum elatius	False Oat-grass	flowering plant	18/07/1979	31/05/2007	8
Avena fatua	Wild-oat	flowering plant	03/07/2005	22/10/2010	4
Avena sativa	Oat	flowering plant	31/12/2007	-	1
Brachypodium sylvaticum	False-brome	flowering plant	27/08/2005	31/12/2007	4
Bromopsis ramosa	Hairy-brome	flowering plant	27/08/2005	-	1
Bromus diandrus	Great Brome	flowering plant	17/05/2005	03/05/2009	2
Bromus hordeaceus	Lesser Soft-Brome	flowering plant	31/08/2001	06/05/2006	3
Elytrigia juncea subsp. boreoatlantica	Sand Couch	flowering plant	07/09/1989	-	1
Bromus racemosus	Smooth Brome	flowering plant	25/06/2011	-	1
Elytrigia juncea	Sand Couch	flowering plant	31/08/2001	-	1
Calamagrostis epigejos	Wood Small-reed	flowering plant	02/12/2006	-	1
Catapodium marinum	Sea Fern-grass	flowering plant	07/09/1989	31/08/2001	2
Catapodium rigidum	Fern-grass	flowering plant	27/08/2005	-	1
Ceratochloa carinata	California Brome	flowering plant	31/12/1996	-	1
Cynosurus cristatus	Crested Dog's-tail	flowering plant	11/07/2005	20/09/2005	3
Dactylis glomerata	Cock's-foot	flowering plant	18/07/1979	11/11/2009	13
Deschampsia cespitosa	Tufted Hair-Grass	flowering plant	06/05/2006	-	1
Digitaria sanguinalis	Hairy Finger-grass	flowering plant	27/08/2006	-	1
Echinochloa crus-galli	Cockspur	flowering plant	31/08/2004	31/12/2009	6
Alopecurus pratensis	Meadow Foxtail	flowering plant	13/07/2004	06/05/2006	4
Bromus hordeaceus subsp. hordeaceus	Common Soft-brome	flowering plant	03/07/2005	31/12/2005	3
Honckenya peploides	Sea Sandwort	flowering plant	18/07/1979	03/05/2014	4
Salicornia europaea	Common Glasswort	flowering plant	31/12/1989	27/08/2005	2
Silene latifolia x dioica = S. x hampeana	Hybrid Campion	flowering plant	31/12/2005	10/09/2011	3
Silene latifolia subsp. alba	White Campion	flowering plant	18/07/1979	31/05/2007	3
Silene latifolia	White Campion	flowering plant	31/05/2002	31/12/2005	5
Silene flos-cuculi	Ragged-Robin	flowering plant	25/05/2009	25/05/2014	2
Silene dioica	Red Campion	flowering plant	28/02/2002	17/05/2014	14
Silene conica	Sand Catchfly	flowering plant	18/07/1979	18/05/2011	5

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Sagina procumbens	Procumbent Pearlwort	flowering plant	11/07/2005	18/09/2011	4
Sagina maritima	Sea Pearlwort	flowering plant	31/12/1991	-	1
Silene uniflora	Sea Campion	flowering plant	29/08/2004	-	1
Moehringia trinervia	Three-nerved Sandwort	flowering plant	13/09/2008	-	1
Silene vulgaris subsp. vulgaris	Bladder Campion	flowering plant	03/07/2005	27/10/2011	2
Cerastium semidecandrum	Little Mouse-ear	flowering plant	31/12/2006	-	2
Cerastium glomeratum	Sticky Mouse-ear	flowering plant	11/07/2005	31/12/2007	3
Cerastium fontanum	Common Mouse-ear	flowering plant	26/07/2003	18/09/2010	5
Cerastium diffusum	Sea Mouse-ear	flowering plant	07/09/1989	22/10/2010	3
Arenaria serpyllifolia subsp. serpyllifolia	Thyme-leaved Sandwort	flowering plant	11/07/2005	-	1
Arenaria serpyllifolia subsp. leptoclados	Slender Sandwort	flowering plant	16/09/2010	01/07/2011	2
Arenaria serpyllifolia	Thyme-Leaved Sandwort	flowering plant	18/07/1979	11/07/2005	3
Agrostemma githago	Corncockle	flowering plant	31/12/1997	18/06/2005	4
Suaeda maritima	Annual Sea-blite	flowering plant	02/09/1997	08/09/2008	4
Cardamine flexuosa	Wavy Bitter-cress	flowering plant	06/05/2006	16/11/2011	4
Sagina apetala	Annual Pearlwort	flowering plant	11/07/2005	-	1
Armeria maritima	Sea Pink	flowering plant	07/09/1989	-	1
Polygonum aviculare agg.	Knotgrass agg.	flowering plant	11/07/2005	29/09/2005	2
Polygonum	Knotgrass	flowering plant	31/05/2007	-	1
Persicaria minor	Small Water-pepper	flowering plant	02/09/1997	11/09/1997	2
Persicaria maculosa	Redshank	flowering plant	11/07/2005	29/09/2011	10
Persicaria lapathifolia	Pale Persicaria	flowering plant	31/12/2005	31/12/2008	2
Persicaria hydropiper	Water-pepper	flowering plant	27/08/2005	13/09/2008	3
Persicaria amphibia	Amphibious Bistort	flowering plant	11/09/1997	31/07/2011	8
Fallopia japonica	Japanese Knotweed	flowering plant	06/05/2006	03/06/2010	5
Fallopia convolvulus	Black-bindweed	flowering plant	27/08/2005	31/07/2011	4
Silene nutans	Nottingham Catchfly	flowering plant	18/07/1979	17/05/2005	6
Fagopyrum esculentum	Buckwheat	flowering plant	22/07/2008	-	1
Salicornia dolichostachya	Long-spiked Glasswort	flowering plant	08/09/2008	-	1
Phytolacca acinosa	Indian Pokeweed	flowering plant	31/12/2005	-	1
Stellaria palustris	Marsh Stitchwort	flowering plant	11/09/1997	-	1
Stellaria pallida	Lesser Chickweed	flowering plant	31/12/2006	-	2
Stellaria media	Common Chickweed	flowering plant	29/08/2004	16/05/2007	6
Stellaria holostea	Greater Stitchwort	flowering plant	14/05/2003	31/05/2007	7
Stellaria graminea	Lesser Stitchwort	flowering plant	06/05/2006	17/05/2014	4
Stellaria alsine	Bog Stitchwort	flowering plant	25/05/2009	-	1
Stellaria media agg.	Chickweed	flowering plant	31/05/2007	-	1
Spergularia media	Greater Sea-spurrey	flowering plant	03/07/2005	11/10/2005	2
Spergularia marina	Lesser Sea-spurrey	flowering plant	02/09/1997	18/09/2011	9
Fallopia baldschuanica	Russian-vine	flowering plant	31/12/1991	27/08/2006	3
Lepidium heterophyllum	Smith's Pepperwort	flowering plant	23/07/2005	-	1
Salicornia ramosissima	Purple Glasswort	flowering plant	11/09/1997	11/10/2005	3
Sinapis arvensis	Charlock	flowering plant	11/07/2005	06/05/2006	4
Sinapis alba	White Mustard	flowering plant	29/10/2011	-	1

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Rorippa nasturtium-aquaticum	Water-cress	flowering plant	31/12/2006	-	1
Rorippa nasturtium-aquaticum agg.	Water Cress	flowering plant	02/09/1997	06/08/2010	6
Rorippa	Yellow-Cress	flowering plant	11/09/1997	-	1
Raphanus raphanistrum var. raphanistrum	Radish	flowering plant	31/08/2001	-	1
Raphanus raphanistrum subsp. raphanistrum	Wild Radish	flowering plant	27/08/2005	20/11/2011	5
Raphanus raphanistrum subsp. maritimus	Sea Radish	flowering plant	07/09/1989	31/08/2001	2
Thlaspi arvense	Field Penny-cress	flowering plant	31/12/2005	12/05/2007	6
Lobularia maritima	Sweet Alison	flowering plant	31/12/1991	31/12/2008	3
Limnanthes douglasii	Meadow-foam	flowering plant	11/05/2011	-	1
Lepidium draba	Hoary Cress	flowering plant	18/07/1979	31/12/2007	3
Lepidium didymum	Lesser Swine-cress	flowering plant	18/07/1979	06/05/2006	5
Lepidium coronopus	Swine-cress	flowering plant	11/07/2005	31/12/2007	3
Erysimum cheiri	Wallflower	flowering plant	03/04/2006	31/12/2009	2
Diplotaxis tenuifolia	Perennial Wall-rocket	flowering plant	31/12/2008	22/10/2010	2
Diplotaxis muralis	Annual Wall-rocket	flowering plant	31/08/2003	31/12/2007	2
Crambe maritima	Sea-kale	flowering plant	18/07/1979	29/08/2004	4
Cochlearia danica	Danish Scurvygrass	flowering plant	31/12/2005	-	1
Cardamine pratensis	Cuckooflower	flowering plant	31/12/1994	31/12/2009	6
Cardamine hirsuta	Hairy Bitter-cress	flowering plant	20/09/2005	06/05/2006	2
Lunaria annua	Honesty	flowering plant	20/09/2005	31/12/2007	4
Atriplex patula	Common Orache	flowering plant	27/08/2005	29/09/2011	5
Salicornia europaea agg.	Glasswort	flowering plant	11/10/2005	-	1
Chenopodium rubrum	Red Goosefoot	flowering plant	31/08/2003	31/12/2007	3
Chenopodium polyspermum	Many-seeded Goosefoot	flowering plant	27/08/2005	31/07/2011	5
Chenopodium murale	Nettle-leaved Goosefoot	flowering plant	30/09/2001	-	1
Chenopodium ficifolium	Fig-leaved Goosefoot	flowering plant	27/08/2005	01/07/2011	4
Chenopodium bonus-henricus	Good-King-Henry	flowering plant	31/12/1999	21/06/2005	4
Chenopodium album	Fat-hen	flowering plant	07/09/1989	31/07/2011	7
Beta vulgaris subsp. maritima	Sea Beet	flowering plant	07/09/1989	06/09/2008	7
Beta vulgaris	Beet	flowering plant	18/07/1979	-	1
Sisymbrium officinale	Hedge Mustard	flowering plant	11/07/2005	22/10/2010	5
Atriplex portulacoides	Sea-purslane	flowering plant	29/08/2004	11/07/2005	3
Polygonum oxyspermum	Ray's Knotgrass	flowering plant	29/08/2004	-	1
Atriplex littoralis	Grass-leaved Orache	flowering plant	11/07/2005	31/12/2010	3
Atriplex hortensis	Garden Orache	flowering plant	31/12/2006	-	1
Atriplex glabriuscula	Babington's Orache	flowering plant	18/07/1979	-	1
Atriplex prostrata agg.		flowering plant	02/09/1997	11/09/1997	7
Amaranthus retroflexus	Common Amaranth	flowering plant	31/12/2006	29/09/2011	4
Amaranthus hybridus	Green Amaranth	flowering plant	31/07/2004	-	1
Amaranthus blitoides	Prostrate Pigweed	flowering plant	27/08/2006	-	1
Tropaeolum majus	Nasturtium	flowering plant	31/07/2003	-	1
Reseda luteola	Weld	flowering plant	29/08/2004	10/09/2011	5
Reseda lutea	Wild Mignonette	flowering plant	31/08/2003	30/06/2004	2
Atriplex prostrata	Spear-leaved Orache	flowering plant	31/08/2001	20/09/2005	4

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Linaria vulgaris	Common Toadflax	flowering plant	03/07/2005	31/12/2010	5
Polygonum arenastrum	Equal-leaved Knotgrass	flowering plant	29/09/2004	22/10/2010	4
Veronica filiformis	Slender Speedwell	flowering plant	31/12/2005	31/12/2007	2
Veronica chamaedrys	Germander Speedwell	flowering plant	14/05/2003	28/12/2011	7
Veronica catenata	Pink Water-Speedwell	flowering plant	11/09/1997	-	5
Veronica beccabunga	Brooklime	flowering plant	02/09/1997	11/11/2009	5
Veronica arvensis	Wall Speedwell	flowering plant	21/06/2005	05/05/2006	4
Plantago media	Hoary Plantain	flowering plant	18/07/1979	-	1
Plantago maritima	Sea Plantain	flowering plant	11/07/2005	10/09/2011	2
Plantago major	Greater Plantain	flowering plant	31/08/2001	31/05/2007	11
Veronica hederifolia subsp. hederifolia	Ivy-Leaved Speedwell	flowering plant	31/12/2005	31/12/2007	2
Plantago coronopus	Buck's-horn Plantain	flowering plant	07/09/1989	31/12/2005	4
Veronica hederifolia subsp. lucorum	Ivy-Leaved Speedwell	flowering plant	05/05/2006	31/12/2007	3
Linaria purpurea	Purple Toadflax	flowering plant	27/08/2005	31/12/2007	3
Digitalis purpurea	Foxglove	flowering plant	27/08/2005	16/11/2011	5
Cheenorhinum minus	Small Toadflax	flowering plant	31/12/2008	-	2
Callitriche platycarpa	Various-leaved Water-starwort	flowering plant	19/05/2009	-	1
Callitriche obtusangula	Blunt-fruited Water-starwort	flowering plant	11/09/1997	22/09/2010	2
Callitriche	Water-starwort	flowering plant	02/09/1997	16/11/2011	27
Antirrhinum majus	Snapdragon	flowering plant	31/12/2006	28/12/2011	4
Rhinanthus minor	Yellow-rattle	flowering plant	17/05/2014	-	1
Orobanche minor	Common Broomrape	flowering plant	03/07/2005	31/12/2006	3
Odontites vernus	Red Bartsia	flowering plant	03/07/2005	10/09/2011	3
Plantago lanceolata	Ribwort Plantain	flowering plant	18/07/1979	31/05/2007	13
Verbena officinalis	Vervain	flowering plant	27/08/2005	31/12/2005	2
Puccinellia maritima	Common Saltmarsh-grass	flowering plant	11/09/1997	-	1
Vicia sepium	Bush Vetch	flowering plant	14/05/2003	31/12/2007	3
Carex hirta	Hairy Sedge	flowering plant	11/09/1997	10/09/2011	8
Carex otrubae	False Fox-sedge	flowering plant	11/09/1997	31/12/2007	5
Carex ovalis	Oval Sedge	flowering plant	05/05/2006	-	1
Carex pendula	Pendulous Sedge	flowering plant	27/08/2005	31/12/2009	3
Carex divulsa subsp. divulsa	Grey Sedge	flowering plant	27/08/2005	31/12/2007	3
Carex divisa	Divided Sedge	flowering plant	31/12/1993	29/05/2005	2
Carex arenaria	Sand Sedge	flowering plant	07/09/1989	03/05/2014	5
Veronica hederifolia	Ivy-leaved Speedwell	flowering plant	20/09/2005	09/05/2006	3
Bolboschoenus maritimus	Sea Club-rush	flowering plant	02/09/1997	28/02/2002	10
Ligustrum ovalifolium	Garden Privet	flowering plant	31/12/1990	-	1
Verbascum thapsus	Great Mullein	flowering plant	11/07/2005	20/09/2005	3
Verbascum nigrum	Dark Mullein	flowering plant	10/09/2011	-	1
Verbascum lychnitis	White Mullein	flowering plant	30/07/2011	-	1
Scrophularia nodosa	Common Figwort	flowering plant	27/08/2005	29/09/2011	6
Scrophularia auriculata	Water Figwort	flowering plant	11/09/1997	20/11/2011	5
Buddleja globosa	Orange-ball-tree	flowering plant	30/04/2005	-	1
Buddleja davidii	Butterfly-bush	flowering plant	30/09/2003	31/05/2007	7

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Veronica serpyllifolia	Thyme-leaved Speedwell	flowering plant	27/06/2005	18/09/2010	6
Veronica polita	Grey Field-speedwell	flowering plant	20/09/2005	-	1
Veronica persica	Common Field-speedwell	flowering plant	28/07/2003	06/05/2006	4
Carex	Sedge	flowering plant	11/09/1997	31/05/2007	3
Rumex obtusifolius	Broad-leaved Dock	flowering plant	28/02/2002	11/11/2009	15
Primula veris	Cowslip	flowering plant	20/09/2005	25/05/2014	2
Lysimachia vulgaris	Yellow Loosestrife	flowering plant	31/12/2008	-	1
Lysimachia punctata	Dotted Loosestrife	flowering plant	16/06/2006	31/12/2007	2
Glaux maritima	Sea-milkwort	flowering plant	11/09/1997	31/12/1997	3
Anagallis arvensis subsp. arvensis	Scarlet Pimpernel	flowering plant	18/05/2007	-	1
Anagallis arvensis	Scarlet Pimpernel	flowering plant	16/07/1979	29/09/2011	9
Impatiens glandulifera	Indian Balsam	flowering plant	11/11/2009	-	2
Ceratophyllum demersum	Rigid Hornwort	flowering plant	11/09/1997	-	1
Tamarix gallica	Tamarisk	flowering plant	16/07/1979	29/09/2004	3
Syringa vulgaris	Lilac	flowering plant	18/05/2007	31/05/2007	2
Rumex pulcher	Fiddle Dock	flowering plant	11/07/2005	31/12/2010	5
Senecio vaterandi	Broad-leaved Ragwort	flowering plant	11/09/1997	06/06/2010	4
Rumex hydrolapathum	Water Dock	flowering plant	11/09/1997	01/07/2011	2
Rumex crispus x obtusifolius = R. x pratensis	Dock	flowering plant	01/07/2011	-	1
Rumex crispus subsp. littoreus	Curled Dock	flowering plant	14/05/2003	-	2
Rumex crispus	Curled Dock	flowering plant	07/09/1989	06/05/2006	7
Rumex conglomeratus	Clustered Dock	flowering plant	30/09/2003	31/07/2011	3
Rumex acetosella	Sheep's Sorrel	flowering plant	06/05/2006	-	1
Rumex acetosa	Common Sorrel	flowering plant	31/05/2002	11/11/2009	9
Rumex	Dock	flowering plant	31/05/2007	31/12/2008	2
Rheum palmatum x rhapeticum = R. x hybrid	Rhubarb	flowering plant	06/05/2006	-	1
Cymbalaria muralis	Ivy-leaved Toadflax	flowering plant	20/09/2005	31/12/2008	3
Rumex sanguineus	Wood Dock	flowering plant	03/07/2005	31/12/2005	3
Melissa officinalis	Balm	flowering plant	31/12/2007	-	2
Polygonum aviculare	Knotgrass	flowering plant	31/08/2001	31/07/2011	3
Fraxinus excelsior	Ash	flowering plant	28/02/2002	31/05/2007	11
Forsythia suspensa x viridissima = F. x intermi	Forsythia	flowering plant	31/12/2008	-	1
Teucrium scorodonia	Wood Sage	flowering plant	10/09/2006	-	1
Stachys sylvatica	Hedge Woundwort	flowering plant	24/09/2003	06/05/2006	5
Stachys palustris	Marsh Woundwort	flowering plant	11/09/1997	01/07/2011	7
Stachys arvensis	Field Woundwort	flowering plant	20/09/2005	-	1
Prunella vulgaris	Selfheal	flowering plant	03/07/2005	31/07/2011	7
Origanum vulgare	Wild Marjoram	flowering plant	06/05/2006	31/12/2009	2
Mentha spicata x suaveolens = M. x villosa	Apple-mint	flowering plant	27/09/2010	-	1
Primula veris x vulgaris = P. x polyantha	False Oslip	flowering plant	30/04/2005	16/04/2011	5
Mentha aquatica	Water Mint	flowering plant	31/05/2002	27/10/2011	7
Primula vulgaris	Primrose	flowering plant	20/09/2005	31/05/2007	4
Lycopus europaeus	Gypsywort	flowering plant	11/09/1997	20/11/2011	6
Lamium purpureum	Red Dead-nettle	flowering plant	29/08/2004	31/12/2007	7

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Lamium maculatum	Spotted Dead-nettle	flowering plant	31/12/2008	-	1
Lamium hybridum	Cut-leaved Dead-nettle	flowering plant	03/03/2007	31/07/2011	4
Lamium galeobdolon subsp. argentatum	Yellow Archangel	flowering plant	20/09/2005	-	1
Lamium album	White Dead-nettle	flowering plant	18/07/1979	11/11/2009	15
Glechoma hederacea	Ground-ivy	flowering plant	28/02/2002	11/11/2009	9
Ballota nigra	Black Horehound	flowering plant	18/07/1979	06/05/2008	6
Ajuga reptans	Bugle	flowering plant	20/09/2005	31/05/2007	4
Ligustrum vulgare	Wild Privet	flowering plant	03/07/2005	31/12/2006	2
Mentha spicata	Spear Mint	flowering plant	31/12/1994	30/04/2005	2
Salix babylonica	Weeping Willow	flowering plant	16/05/2007	31/05/2007	2
Hypericum maculatum	Imperforate St John's-wort	flowering plant	11/07/2015	-	1
Viola odorata	Sweet Violet	flowering plant	31/12/2005	27/03/2011	11
Viola lutea x tricolor x sitaica = V. x wittrockia	Garden Pansy	flowering plant	31/12/1991	22/10/2010	3
Viola arvensis	Field Pansy	flowering plant	27/08/2005	29/09/2011	6
Viola	Violet	flowering plant	16/05/2007	31/05/2007	2
Salix viminalis x caprea = S. x smithiana	Broad-leaved Osier	flowering plant	04/07/2007	-	1
Salix viminalis	Osier	flowering plant	20/09/2005	29/09/2011	4
Salix fragilis	Crack-willow	flowering plant	03/04/2006	31/12/2008	4
Salix cinerea subsp. oleifolia	Rusty Willow	flowering plant	27/08/2005	31/12/2008	5
Viola odorata var. odorata		flowering plant	18/03/2007	31/12/2009	2
Salix caprea	Goat Willow	flowering plant	29/06/2004	31/12/2010	7
Viola reichenbachiana	Early Dog-violet	flowering plant	31/12/2006	18/09/2010	4
Salix alba	White Willow	flowering plant	20/09/2005	29/09/2011	4
Salix	Willow	flowering plant	31/05/2002	08/09/2012	6
Populus x canadensis 'Serotina'	Poplar	flowering plant	29/10/2009	-	1
Populus nigra x deltoides = P. x canadensis	Hybrid Black-poplar	flowering plant	30/09/2003	-	1
Populus nigra	Black-poplar	flowering plant	31/12/1997	31/12/1999	3
Populus alba x tremula = P. x canescens	Grey Poplar	flowering plant	26/09/2006	01/07/2011	4
Populus alba	White Poplar	flowering plant	24/09/2003	06/05/2006	4
Linum usitatissimum	Flax	flowering plant	31/12/2005	03/04/2006	2
Hypericum tetrapterum	Square-stalked St John's-wort	flowering plant	25/05/2009	-	1
Oxalis exilis	Least Yellow-sorrel	flowering plant	12/05/2010	-	1
Salix cinerea	Common Sallow	flowering plant	02/09/1997	11/11/2009	4
Epilobium	Willowherb	flowering plant	16/05/2007	31/05/2007	2
Oxalis corniculata	Procumbent Yellow-sorrel	flowering plant	27/08/2005	18/05/2008	4
Oxalis articulata	Pink-sorrel	flowering plant	31/12/2006	-	1
Oxalis		flowering plant	31/05/2002	-	1
Nymphaea alba	White Water-lily	flowering plant	11/09/1997	-	1
Oenothera glazoviana	Large-flowered Evening-primrose	flowering plant	26/07/2003	-	1
Epilobium tetragonum	Square-stalked Willowherb	flowering plant	27/08/2005	17/06/2006	2
Epilobium parviflorum	Hoary Willowherb	flowering plant	11/09/1997	20/09/2005	4
Epilobium obscurum	Short-fruited Willowherb	flowering plant	31/12/2007	-	2
Epilobium montanum	Broad-leaved Willowherb	flowering plant	11/07/2005	27/08/2006	3
Viola odorata var. dumetorum		flowering plant	10/04/2006	23/04/2011	3

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Epilobium ciliatum	American Willowherb	flowering plant	11/07/2005	20/09/2005	2
Hypericum androsaemum	Tutsan	flowering plant	27/08/2005	20/11/2011	5
Circaea lutetiana	Enchanter's-nightshade	flowering plant	20/09/2005	06/05/2006	2
Chamerion angustifolium	Rosebay Willowherb	flowering plant	30/09/2003	01/07/2011	6
Eucalyptus		flowering plant	16/05/2007	31/05/2007	2
Lythrum salicaria	Purple-loosestrife	flowering plant	28/03/2002	27/10/2011	4
Tilia platyphyllos x cordata = T. x europaea	Lime	flowering plant	11/07/2005	13/09/2008	3
Malva sylvestris	Common Mallow	flowering plant	18/07/1979	25/05/2011	10
Malva neglecta	Dwarf Mallow	flowering plant	20/09/2005	31/12/2005	4
Malva moschata	Musk-mallow	flowering plant	30/06/2004	31/12/2006	2
Althaea officinalis	Marsh-mallow	flowering plant	27/08/1973	27/08/2005	4
Viola riviniana	Common Dog-violet	flowering plant	06/05/2006	31/12/2007	3
Epilobium hirsutum	Great Willowherb	flowering plant	02/09/1997	17/07/2010	22
Juglans regia	Walnut	flowering plant	26/09/2006	-	1
Hypericum perforatum	Perforate St John's-wort	flowering plant	30/09/2003	10/09/2011	6
Erodium ciconium agg.	Common Stork's-Bill	flowering plant	31/08/2001	-	1
Sherardia arvensis	Field Madder	flowering plant	27/08/2005	31/12/2006	4
Galium verum	Lady's Bedstraw	flowering plant	18/07/1979	18/09/2010	6
Galium mollugo	Hedge Bedstraw	flowering plant	07/09/1989	06/05/2006	6
Galium aparine	Cleavers	flowering plant	18/07/1979	11/11/2009	19
Cruciata laevipes	Crosswort	flowering plant	15/04/2011	-	1
Centaurium erythraea var. erythraea		flowering plant	03/07/2005	31/12/2009	2
Blackstonia perfoliata	Yellow-wort	flowering plant	30/09/2008	-	1
Erodium moschatum	Musk Stork's-bill	flowering plant	31/12/2006	-	1
Vinca major	Greater Periwinkle	flowering plant	20/09/2005	06/05/2006	2
Geranium	Crane's-Bill	flowering plant	13/07/2004	-	1
Quercus robur	Pedunculate Oak	flowering plant	28/02/2002	08/09/2008	9
Quercus ilex	Evergreen Oak	flowering plant	24/08/2003	31/12/2011	6
Fagus sylvatica	Beech	flowering plant	13/07/2004	09/04/2006	4
Castanea sativa	Sweet Chestnut	flowering plant	30/09/2005	-	1
Corylus avellana	Hazel	flowering plant	13/07/2004	20/11/2011	9
Carpinus betulus	Hornbeam	flowering plant	26/09/2005	-	1
Betula pubescens	Downy Birch	flowering plant	31/12/2008	-	1
Betula pendula	Silver Birch	flowering plant	25/07/2003	16/11/2011	8
Kickxia elatine	Sharp-leaved Fluellen	flowering plant	20/09/2005	27/10/2011	2
Capsella bursa-pastoris	Shepherd's-purse	flowering plant	29/09/2004	31/07/2011	6
Vinca minor	Lesser Periwinkle	flowering plant	15/04/2011	-	1
Tulipa gesneriana	Garden Tulip	flowering plant	30/04/2005	16/04/2011	2
Mercurialis perennis	Dog's Mercury	flowering plant	28/02/2002	19/09/2010	2
Mercurialis annua	Annual Mercury	flowering plant	11/07/2005	20/11/2011	4
Euphorbia platyphyllos	Broad-leaved Spurge	flowering plant	31/12/1990	03/07/2005	2
Euphorbia peplus	Petty Spurge	flowering plant	03/07/2005	28/12/2011	6
Euphorbia lathyris	Caper Spurge	flowering plant	31/12/1990	31/12/2010	5
Euphorbia helioscopia	Sun Spurge	flowering plant	26/07/2003	02/11/2010	4

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Vicia tetrasperma	Smooth Tare	flowering plant	20/09/2005	31/12/2006	2
Euphorbia exigua	Dwarf Spurge	flowering plant	31/12/2005	-	1
Alnus glutinosa	Alder	flowering plant	31/05/2002	22/10/2010	9
Erodium cicutarium	Common Stork's-bill	flowering plant	16/07/1979	31/12/2007	6
Euphorbia amygdaloides	Wood Spurge	flowering plant	16/05/2007	31/05/2007	2
Lavatera arborea	Tree-mallow	flowering plant	31/12/1995	31/12/2006	2
Fritillaria meleagris	Fritillary	flowering plant	16/04/2011	-	1
Laurus nobilis	Bay	flowering plant	31/12/1995	29/03/2009	3
Geranium rotundifolium	Round-leaved Crane's-bill	flowering plant	20/09/2005	17/07/2011	6
Geranium robertianum	Herb-Robert	flowering plant	26/07/2003	20/09/2005	5
Geranium pyrenaicum	Hedgerow Crane's-bill	flowering plant	27/08/2005	29/09/2011	3
Geranium pusillum	Small-flowered Crane's-bill	flowering plant	31/12/2005	14/08/2010	4
Geranium pratense	Meadow Crane's-bill	flowering plant	22/10/2010	25/05/2014	2
Geranium molle	Dove's-foot Crane's-bill	flowering plant	11/07/2005	18/09/2010	5
Geranium endressii x versicolor = G. x oxonia	Druce's Crane's-bill	flowering plant	31/12/2006	31/05/2008	4
Geranium dissectum	Cut-leaved Crane's-bill	flowering plant	14/05/2003	31/05/2007	6
Euphorbia characias	Mediterranean Spurge	flowering plant	29/05/2008	-	1
Myosotis secunda	Creeping Forget-me-not	flowering plant	06/08/2010	-	1
Alcea rosea	Hollyhock	flowering plant	31/12/1990	06/06/2007	4
Alisma plantago-aquatica	Water-plantain	flowering plant	11/09/1997	22/10/2010	4
Chelidonium majus	Greater Celandine	flowering plant	31/12/2007	31/12/2008	3
Symphytum orientale	White Comfrey	flowering plant	31/12/1993	25/05/2011	7
Symphytum officinale x asperum = S. x uplan	Russian Comfrey	flowering plant	31/12/2005	16/11/2011	8
Symphytum officinale	Common Comfrey	flowering plant	03/07/2005	31/12/2008	4
Symphytum grandiflorum	Creeping Comfrey	flowering plant	31/12/2005	-	2
Pulmonaria officinalis	Lungwort	flowering plant	16/04/2011	-	1
Phacelia tanacetifolia	Phacelia	flowering plant	18/06/2005	-	1
Solanum nigrum	Black Nightshade	flowering plant	31/05/2002	22/10/2010	9
Myosotis sylvatica	Wood Forget-me-not	flowering plant	31/12/2005	31/12/2006	2
Arum maculatum	Lords-and-Ladies	flowering plant	28/02/2002	20/11/2011	7
Myosotis scorpioides	Water Forget-me-not	flowering plant	11/09/1997	25/05/2009	2
Myosotis laxa	Tufted Forget-me-not	flowering plant	11/09/1997	-	1
Myosotis discolor	Changing Forget-me-not	flowering plant	31/12/2007	25/05/2009	3
Myosotis arvensis	Field Forget-me-not	flowering plant	14/05/2003	06/05/2006	6
Myosotis	Forget-Me-Not	flowering plant	19/05/2003	31/05/2007	4
Echium vulgare	Viper's-bugloss	flowering plant	29/06/2004	27/10/2011	3
Borago officinalis	Borage	flowering plant	09/11/2008	31/12/2008	2
Anchusa officinalis	Alkanet	flowering plant	16/05/2007	31/05/2007	2
Parthenocissus inserta	False virginia creeper	flowering plant	12/07/2009	-	2
Solanum tuberosum	Potato	flowering plant	10/04/2007	02/11/2010	4
Pentaglottis sempervirens	Green Alkanet	flowering plant	14/05/2003	06/05/2006	5
Potamogeton pectinatus	Fennel Pondweed	flowering plant	11/09/1997	06/06/2004	4
Brassica rapa subsp. campestris	Wild Turnip	flowering plant	15/07/2006	-	1
Brassica rapa	Turnip	flowering plant	31/12/2006	-	1

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Brassica nigra	Black Mustard	flowering plant	31/12/2005	31/12/2007	4
Brassica napus	Rape	flowering plant	31/12/2005	31/12/2006	2
Brassica juncea	Chinese Mustard	flowering plant	26/08/2007	-	1
Barbarea vulgaris	Winter-cress	flowering plant	31/12/2005	20/11/2011	4
Armoracia rusticana	Horse-radish	flowering plant	27/08/2005	31/12/2007	3
Arabis		flowering plant	16/05/2007	31/05/2007	2
Arabidopsis thaliana	Thale Cress	flowering plant	20/09/2005	16/09/2010	4
Alliaria petiolata	Garlic Mustard	flowering plant	27/08/2005	31/05/2007	7
Arum italicum subsp. italicum	Arum	flowering plant	12/03/2006	17/04/2011	2
Potamogeton trichoides	Hairlike Pondweed	flowering plant	11/09/1997	31/12/1997	3
Arum italicum subsp. neglectum	Arum	flowering plant	31/12/1997	30/12/2010	17
Potamogeton acutifolius	Sharp-leaved Pondweed	flowering plant	07/09/2011	-	1
Groenlandia densa	Opposite-leaved Pondweed	flowering plant	06/09/2010	-	1
Triglochin palustre	Marsh Arrowgrass	flowering plant	11/09/1997	-	1
Elodea nuttallii	Nuttall's Waterweed	flowering plant	11/09/1997	-	2
Spirodela polyrhiza	Greater Duckweed	flowering plant	31/05/2007	01/07/2011	2
Lemna minuta	Least Duckweed	flowering plant	02/09/1997	16/09/2010	9
Lemna minor	Common Duckweed	flowering plant	02/09/1997	31/12/2010	12
Lemna gibba	Fat Duckweed	flowering plant	11/09/1997	-	3
Lemna		flowering plant	02/09/1997	-	1
Trachystemon orientalis	Abraham-Isaac-Jacob	flowering plant	31/12/1993	31/12/2006	2
Zannichellia palustris	Horned Pondweed	flowering plant	11/09/1997	06/09/2010	5
Papaver somniferum	Opium Poppy	flowering plant	31/07/2003	19/09/2011	4
Eschscholzia californica	Californian Poppy	flowering plant	11/05/2011	-	1
Ranunculus ficaria	Lesser Celandine	flowering plant	14/05/2003	06/05/2006	8
Ranunculus bulbosus	Bulbous Buttercup	flowering plant	21/06/2005	29/09/2011	4
Ranunculus arvensis	Corn Buttercup	flowering plant	16/04/2011	-	1
Ranunculus acris	Meadow Buttercup	flowering plant	03/07/2005	06/05/2006	4
Nigella damascena	Love-in-a-mist	flowering plant	31/08/2003	11/05/2011	5
Helleborus foetidus	Stinking Hellebore	flowering plant	31/12/1998	-	1
Clematis vitalba	Traveller's-joy	flowering plant	07/09/1989	22/10/2010	7
Caltha palustris	Marsh-marigold	flowering plant	03/04/2006	-	1
Ranunculus ficaria subsp. bulbifer	Lesser Celandine	flowering plant	31/12/2010	-	1
Pseudofumaria lutea	Yellow Corydalis	flowering plant	27/08/2005	31/12/2005	2
Fumaria	Fumitory	flowering plant	16/05/2007	31/05/2007	2
Papaver rhoeas	Common Poppy	flowering plant	30/09/2003	31/05/2007	7
Papaver dubium subsp. dubium	Long-headed Poppy	flowering plant	31/12/2008	-	1
Papaver atlanticum	Atlas Poppy	flowering plant	02/08/2011	-	1
Glaucium flavum	Yellow Horned-poppy	flowering plant	18/07/1979	29/09/2004	4
Fumaria muralis	Common Ramping-fumitory	flowering plant	27/08/2005	31/12/2007	2
Fumaria officinalis	Common Fumitory	flowering plant	27/08/2005	31/12/2005	3
Solanum dulcamara	Bittersweet	flowering plant	18/07/1979	11/11/2009	15
Fumaria officinalis subsp. officinalis	Common Fumitory	flowering plant	31/12/2005	-	1
Arum italicum	Italian Lords-and-Ladies	flowering plant	27/12/1997	31/01/1998	6

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Fumaria officinalis subsp. wirtgenii	Common Fumitory	flowering plant	31/12/1991	-	1
Aquilegia vulgaris	Columbine	flowering plant	31/12/1994	25/05/2011	5
Convolvulus arvensis	Field Bindweed	flowering plant	18/07/1979	31/05/2007	8
Solanum	Nightshade	flowering plant	31/05/2007	-	1
Petunia axillaris x integrifolia = P. x hybrida	Petunia	flowering plant	31/05/2007	-	1
Petunia		flowering plant	16/05/2007	-	1
Nicotiana alata x forgetiana = N. x sanderae	Tobacco	flowering plant	31/08/2003	-	1
Nicandra physalodes	Apple-of-Peru	flowering plant	31/08/2003	31/01/2005	2
Lycopersicon esculentum	Tomato	flowering plant	20/10/2006	28/09/2011	4
Datura stramonium	Thorn-apple	flowering plant	31/08/2003	06/08/2010	4
Ranunculus baudotii	Brackish Water-crowfoot	flowering plant	11/09/1997	05/10/2010	5
Calystegia sepium		flowering plant	30/09/2003	-	1
Ranunculus ficaria subsp. ficaria	Lesser Celandine	flowering plant	31/12/2005	04/05/2009	3
Calystegia soldanella	Sea Bindweed	flowering plant	18/07/1979	09/10/2010	7
Calystegia silvatica	Large Bindweed	flowering plant	27/08/2005	10/09/2011	4
Ranunculus repens	Creeping Buttercup	flowering plant	28/02/2002	11/11/2009	15
Atropa belladonna	Deadly Nightshade	flowering plant	31/12/2005	-	1
Ranunculus flammula	Lesser Spearwort	flowering plant	25/05/2009	-	1
Calystegia sepium	Hedge Bindweed	flowering plant	31/05/2002	17/07/2010	9
Ranunculus sceleratus	Celery-leaved Buttercup	flowering plant	02/09/1997	18/08/2010	11
Ranunculus trichophyllus	Thread-leaved Water-crowfoot	flowering plant	11/09/1997	18/05/2009	3
Viscum album	Mistletoe	flowering plant	31/12/2008	04/02/2011	6
Acer campestre	Field Maple	flowering plant	31/05/2002	06/09/2008	11
Acer platanoides	Norway Maple	flowering plant	20/09/2005	26/09/2006	3
Acer pseudoplatanus	Sycamore	flowering plant	31/05/2002	10/09/2011	8
Aesculus hippocastanum	Horse-chestnut	flowering plant	27/08/2005	26/09/2006	4
Anisus (Disculifer) vortex	Whirlpool Ramshorn	mollusc	28/08/1997	05/10/1997	4
Pisidium nitidum	Shining Pea Mussel	mollusc	28/08/1997	-	1
Pisidium subtruncatum	Short-ended Pea Mussel	mollusc	28/08/1997	-	1
Lymnaea stagnalis	Great Pond Snail	mollusc	28/08/1997	-	2
Radix peregra	Wandering Snail	mollusc	28/08/1997	05/10/1997	6
Stagnicola palustris		mollusc	28/08/1997	-	3
Physa fontinalis	Bladder snails	mollusc	28/08/1997	05/10/1997	2
Anisus (Anisus) leucostoma	White-lipped Ramshorn	mollusc	02/09/1997	-	1
Helix (Helix)		mollusc	16/05/2007	-	1
Arion (Arion) ater	Large Black Slug	mollusc	31/05/2007	-	1
Cepaea (Cepaea) nemoralis	Brown-lipped Snail	mollusc	16/05/2007	31/05/2007	2
Valvata cristata	Flat Valve Snail	mollusc	28/08/1997	-	2
Limax maximus	Leopard Slug	mollusc	16/05/2007	31/05/2007	2
Bathyomphalus contortus	Twisted Ramshorn	mollusc	28/08/1997	-	1
Cepaea (Cepaea) hortensis	White-lipped Snail	mollusc	26/04/2009	21/11/2009	5
Arion ater agg.		mollusc	16/05/2007	-	1
Potamopyrgus antipodarum	Jenkins' Spire Snail	mollusc	28/08/1997	05/10/1997	7
Planorbis planorbis	Margined Ramshorn	mollusc	28/08/1997	05/10/1997	4

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Planorbarius corneus	Great Ramshorn Snail	mollusc	28/08/1997	-	1
Hippeutis complanatus	Flat Ramshorn	mollusc	28/08/1997	-	1
Gyraulus (Armiger) crista	Nautilus Ramshorn	mollusc	28/08/1997	02/09/1997	3
Cornu aspersum	Common Garden Snail	mollusc	31/05/2007	-	1
Alopecosa pulverulenta		spider (Araneae)	03/05/2014	-	1
Silticus saltator		spider (Araneae)	03/05/2014	-	2
Thanatus sinuatus		spider (Araneae)	03/05/2014	-	1
Clubiona subtilis		spider (Araneae)	03/05/2014	-	1
Mangora acalypha		spider (Araneae)	03/05/2014	-	1
Argiope bruennichi	Wasp Spider	spider (Araneae)	05/08/2005	15/08/2005	3
Zelotes latreillei		spider (Araneae)	03/05/2014	-	1
Salticus scenicus	Zebra Spider	spider (Araneae)	03/05/2014	-	1
Oniscus asellus	Common Shiny Woodlouse	crustacean	16/05/2007	31/05/2007	2
Cylindroiulus latestriatus		millipede	03/05/2014	-	1
Brachytron pratense	Hairy Dragonfly	insect - dragonfly (Odonata)	06/06/1962	01/06/1999	3
Sympetrum striolatum	Common Darter	insect - dragonfly (Odonata)	28/10/1997	15/10/2013	30
Libellula quadrimaculata	Four-spotted Chaser	insect - dragonfly (Odonata)	02/06/2010	-	1
Sympetrum sanguineum	Ruddy Darter	insect - dragonfly (Odonata)	31/12/1997	31/08/2010	5
Libellula depressa	Broad-bodied Chaser	insect - dragonfly (Odonata)	31/12/1997	25/05/2014	17
Pyrrhosoma nymphula	Large Red Damselfly	insect - dragonfly (Odonata)	27/05/1995	17/05/2014	15
Ischnura elegans	Blue-tailed Damselfly	insect - dragonfly (Odonata)	31/12/1965	31/08/2010	14
Coenagrion puella	Azure Damselfly	insect - dragonfly (Odonata)	27/05/1995	16/05/2014	19
Anax imperator	Emperor Dragonfly	insect - dragonfly (Odonata)	19/07/2006	31/05/2014	10
Aeshna mixta	Migrant Hawker	insect - dragonfly (Odonata)	20/08/2005	08/09/2012	12
Aeshna grandis	Brown Hawker	insect - dragonfly (Odonata)	16/06/1998	-	1
Aeshna cyanea	Southern Hawker	insect - dragonfly (Odonata)	31/12/1997	08/09/2012	9
Enallagma cyathigerum	Common Blue Damselfly	insect - dragonfly (Odonata)	31/12/1997	-	3
Libellula fulva	Scarce Chaser	insect - dragonfly (Odonata)	31/12/1965	-	1
Chorthippus parallelus	Meadow Grasshopper	insect - orthopteran	30/08/2005	-	1
Conocephalus fuscus	Long-winged Cone-head	insect - orthopteran	08/09/2005	-	1
Forficula auricularia	Common Earwig	insect - earwig (Dermaptera)	16/05/2007	31/05/2007	2
Syromastus rhombeus		insect - true bug (Hemiptera)	03/05/2014	-	2
Calliconna pregusta		insect - true bug (Hemiptera)	23/10/1997	-	1
Corixa		insect - true bug (Hemiptera)	16/05/2007	31/05/2007	2
Corixa panzeri		insect - true bug (Hemiptera)	21/08/1997	-	1
Corixa punctata	Punctate Corixa	insect - true bug (Hemiptera)	21/08/1997	23/10/1997	2
Hesperocorixa sahlbergi		insect - true bug (Hemiptera)	21/08/1997	-	1
Sigara (Halicorixa) stagnalis		insect - true bug (Hemiptera)	21/08/1997	-	1
Sigara (Sigara) dorsalis		insect - true bug (Hemiptera)	23/10/1997	-	1
Sigara (Vermicorixa) lateralis		insect - true bug (Hemiptera)	23/10/1997	-	1
Cymus glandicolor		insect - true bug (Hemiptera)	03/05/2014	-	1
Corixa affinis		insect - true bug (Hemiptera)	23/10/1997	-	1
Megalocoleus anemoralis		insect - true bug (Hemiptera)	03/05/2014	-	1
Plinthisus brevipennis		insect - true bug (Hemiptera)	03/05/2014	-	1

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Trapezonotus (Trapezonotus) arenarius		insect - true bug (Hemiptera)	03/05/2014	-	1
Nepa cinerea	Water Scorpion	insect - true bug (Hemiptera)	28/08/1997	-	2
Notonecta mamorea		insect - true bug (Hemiptera)	21/08/1997	-	1
Plea minutissima		insect - true bug (Hemiptera)	21/08/1997	-	1
Microvelia (Microvelia) pygmaea		insect - true bug (Hemiptera)	28/08/1997	-	1
Hydrometra stagnorum	Water Measurer	insect - true bug (Hemiptera)	28/08/1997	-	1
Oedemera (Oedemera) nobilis	Swollen-thighed Beetle	insect - beetle (Coleoptera)	31/05/2005	06/07/2014	8
Erirhinus testaceus		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	7
Calathus (Calathus) cinctus		insect - beetle (Coleoptera)	03/05/2014	-	1
Singilis soricina		insect - beetle (Coleoptera)	03/05/2014	-	1
Melanimon tibialis		insect - beetle (Coleoptera)	03/05/2014	-	1
Isomira murina		insect - beetle (Coleoptera)	03/05/2014	-	1
Stenus (Metastenus) bifoveolatus		insect - beetle (Coleoptera)	28/08/1997	-	1
Leistus (Leistus) ferrugineus		insect - beetle (Coleoptera)	03/05/2014	-	1
Lasioderma denticolle		insect - beetle (Coleoptera)	31/07/1997	-	1
Grammoptera abdominalis		insect - beetle (Coleoptera)	31/05/2005	-	1
Notenus clavicornis	Larger Notenus	insect - beetle (Coleoptera)	21/08/1997	23/10/1997	11
Lucanus cervus	Stag Beetle	insect - beetle (Coleoptera)	04/03/2011	-	1
Laccobius bipunctatus		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	4
Hydrobius fuscipes		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	7
Helophorus (Helophorus) minutus		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	8
Helophorus (Atrachelophorus) brevipalpis		insect - beetle (Coleoptera)	28/08/1997	-	2
Silpha laevigata		insect - beetle (Coleoptera)	03/05/2014	-	1
Prasocuris phellandrii		insect - beetle (Coleoptera)	28/08/1997	-	1
Harmonia axyridis	Harlequin Ladybird	insect - beetle (Coleoptera)	25/05/2007	24/10/2009	3
Coccinella septempunctata	7-spot Ladybird	insect - beetle (Coleoptera)	23/07/2005	-	1
Propylea quattuordecimpunctata	14-spot Ladybird	insect - beetle (Coleoptera)	23/07/2005	-	1
Otiorhynchus (Tournieria) ovatus	Strawberry-root Weevil	insect - beetle (Coleoptera)	03/05/2014	-	2
Philopedon plagiatum	Marram Weevil	insect - beetle (Coleoptera)	03/05/2014	-	1
Agabus (Acatodes) sturmii		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	9
Carabus		insect - beetle (Coleoptera)	18/05/2007	31/05/2007	2
Coccotula rufa		insect - beetle (Coleoptera)	28/08/1997	-	1
Agabus (Gaurodytes) bipustulatus		insect - beetle (Coleoptera)	21/08/1997	23/10/1997	6
Phaedon cochleariae	Mustard Beetle	insect - beetle (Coleoptera)	21/08/1997	-	1
Altica lythri		insect - beetle (Coleoptera)	21/08/1997	-	1
Rutpela maculata		insect - beetle (Coleoptera)	01/05/2007	-	1
Pyrrhidium sanguineum	Longhorn Beetle	insect - beetle (Coleoptera)	24/04/2007	-	1
Leiopus nebulosus		insect - beetle (Coleoptera)	02/05/2007	-	1
Grammoptera ustulata		insect - beetle (Coleoptera)	22/07/2005	-	1
Apion		insect - beetle (Coleoptera)	18/05/2007	31/05/2007	2
Graptodytes pictus		insect - beetle (Coleoptera)	28/08/1997	-	2
Ilybius fuliginosus		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	4
Agabus (Gaurodytes) conspersus		insect - beetle (Coleoptera)	21/08/1997	-	2
Ilybius ater		insect - beetle (Coleoptera)	21/08/1997	-	3

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Hyphydrus ovatus		insect - beetle (Coleoptera)	28/08/1997	-	4
Hygrotus (Hygrotus) inaequalis		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	6
Hygrotus (Coelambus) parallelogrammus		insect - beetle (Coleoptera)	21/08/1997	-	2
Notaxus monoceros	Monoceros Beetle	insect - beetle (Coleoptera)	03/05/2014	-	1
Hydaticus seminiger		insect - beetle (Coleoptera)	21/08/1997	-	4
Hydroporus palustris		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	11
Dytiscus marginalis	Great Diving Beetle	insect - beetle (Coleoptera)	21/08/1997	-	1
Dytiscus		insect - beetle (Coleoptera)	21/08/1997	-	1
Colymbetes fuscus		insect - beetle (Coleoptera)	21/08/1997	23/10/1997	4
Agabus (Gaurodytes) didymus		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	5
Enochrus halophilus		insect - beetle (Coleoptera)	21/08/1997	-	2
Sitona (Sitona) lineatus	Pea-leaf Weevil	insect - beetle (Coleoptera)	03/05/2014	-	1
Hydroporus memnonius		insect - beetle (Coleoptera)	21/08/1997	-	2
Cercyon (Cercyon) marinus		insect - beetle (Coleoptera)	21/08/1997	-	2
Enochrus bicolor		insect - beetle (Coleoptera)	28/08/1997	-	1
Cymbiodyta marginellus		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	6
Hydroporus angustatus		insect - beetle (Coleoptera)	21/08/1997	-	2
Cercyon (Cercyon) stemalis		insect - beetle (Coleoptera)	21/08/1997	-	2
Ilybius quadriguttatus		insect - beetle (Coleoptera)	28/08/1997	-	1
Anacaena limbata		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	9
Anacaena globulus		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	4
Anacaena bipustulata		insect - beetle (Coleoptera)	28/08/1997	-	2
Ochthebius (Hymenochthebius) minimus		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	4
Haliplus (Neohaliplus) lineatocollis		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	6
Haliplus (Liaphlus) laminatus		insect - beetle (Coleoptera)	28/08/1997	-	2
Haliplus (Haliplinus) sibiricus		insect - beetle (Coleoptera)	28/08/1997	-	2
Gyrinus urinator		insect - beetle (Coleoptera)	28/08/1997	-	2
Agrypnus murinus		insect - beetle (Coleoptera)	03/05/2014	-	1
Laccophilus hyalinus		insect - beetle (Coleoptera)	28/08/1997	-	2
Laccophilus minutus		insect - beetle (Coleoptera)	21/08/1997	28/08/1997	6
Aricia agestis	Brown Argus	insect - butterfly	09/08/2006	-	1
Vanessa atalanta	Red Admiral	insect - butterfly	07/08/1998	15/10/2013	102
Pyronia tithonus	Hedge Brown	insect - butterfly	01/08/1998	06/07/2014	56
Polygonia c-album	Comma	insect - butterfly	06/08/1998	12/07/2014	38
Pararge aegeria	Speckled Wood	insect - butterfly	07/08/1998	08/09/2012	15
Nymphalis polychloros	Large Tortoiseshell	insect - butterfly	26/06/2007	-	1
Melanargia galathea	Marbled White	insect - butterfly	03/07/2014	-	1
Maniola jurtina	Meadow Brown	insect - butterfly	01/08/1998	22/08/2014	75
Inachis io	Peacock	insect - butterfly	08/08/1998	17/09/2013	71
Polyommatus icarus	Common Blue	insect - butterfly	06/08/1998	17/09/2014	66
Aglais urticae	Small Tortoiseshell	insect - butterfly	07/04/1998	31/08/2014	59
Vanessa cardui	Painted Lady	insect - butterfly	31/12/1998	15/10/2013	66
Celastrina argiolus	Holly Blue	insect - butterfly	12/05/1996	29/08/2010	27
Lycaena phlaeas	Small Copper	insect - butterfly	06/08/1998	03/05/2014	23

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Thecla betulae	Brown Hairstreak	insect - butterfly	31/08/2012	-	1
Satyrium w-album	White-letter Hairstreak	insect - butterfly	27/07/2004	04/07/2009	8
Pieris napi	Green-veined White	insect - butterfly	31/12/1998	15/04/2014	31
Argynnis paphia	Silver-washed Fritillary	insect - butterfly	14/08/2013	-	1
Thymelicus sylvestris	Small Skipper	insect - butterfly	31/12/1998	04/07/2010	5
Thymelicus lineola	Essex Skipper	insect - butterfly	07/08/1998	31/07/2009	10
Pieris rapae	Small White	insect - butterfly	12/06/1998	17/05/2014	115
Pieris brassicae	Large White	insect - butterfly	04/05/1998	17/05/2014	118
Colias croceus	Clouded Yellow	insect - butterfly	09/07/1998	13/10/2009	13
Anthocharis cardamines	Orange-tip	insect - butterfly	19/04/1998	27/05/2010	25
Gonepteryx rhamni	Brimstone	insect - butterfly	19/04/1998	04/07/2010	15
Ochlodes sylvanus	Large Skipper	insect - butterfly	20/05/2003	28/07/2012	34
Epirrita	Indet. November Moth	insect - moth	06/10/2005	-	1
Colostygia pectinataria	Green Carpet	insect - moth	05/09/1998	20/08/2012	7
Ennomos autumnaria	Large Thorn	insect - moth	05/09/1998	-	1
Colotois pennaria	Feathered Thorn	insect - moth	13/11/2011	22/11/2011	2
Cosmorhoe ocellata	Purple Bar	insect - moth	05/09/1998	09/09/2010	7
Crocallis elinguaria	Scalloped Oak	insect - moth	03/07/2011	-	1
Cyclophora punctaria	Maiden's Blush	insect - moth	09/08/2010	26/09/2013	2
Ennomos alniaria	Canary-shouldered Thorn	insect - moth	18/08/2009	27/09/2011	3
Ennomos fuscantaria	Dusky Thorn	insect - moth	15/09/2009	18/09/2009	2
Epirrhoe alternata	Common Carpet	insect - moth	05/09/1998	20/08/2012	13
Ochria fulvata	Barred Yellow	insect - moth	30/06/2006	23/06/2011	2
Epirrhoe rivata	Wood Carpet	insect - moth	05/09/1998	-	1
Chloroclysta siterata	Red-green Carpet	insect - moth	19/10/2010	22/11/2011	3
Eulithis pyraliata	Barred Straw	insect - moth	30/06/2006	-	1
Eupithecia abbreviata	Brindled Pug	insect - moth	22/04/2010	29/03/2012	7
Eupithecia centaureata	Lime-speck Pug	insect - moth	05/09/1998	02/08/2011	7
Epirrhoe galiata	Galium Carpet	insect - moth	05/09/1998	-	1
Abraxas grossulariata	Magpie	insect - moth	05/09/1998	-	1
Campaea margaritata	Light Emerald	insect - moth	05/09/1998	07/08/2012	8
Cabera exanthemata	Common Wave	insect - moth	11/08/2009	03/07/2011	5
Biston betularia	Peppered Moth	insect - moth	30/06/2006	22/07/2011	5
Aplocera plagiata	Treble-bar	insect - moth	05/08/2011	-	1
Anticlea derivata	Streamer	insect - moth	08/04/2011	-	1
Alsophila aescularia	March Moth	insect - moth	08/04/2011	-	1
Eupithecia innotata	Angle-barred Pug	insect - moth	03/08/2010	-	1
Acasis viretata	Yellow-barred Brindle	insect - moth	01/07/2009	-	1
Rhodometra sacraria	Vestal	insect - moth	20/08/2012	-	1
Pexicopia malvella	Hollyhock Seed Moth	insect - moth	31/12/1970	-	1
Telecopsis difinis	Large Grounding	insect - moth	17/06/2005	-	1
Camptogramma bilineata	Yellow Shell	insect - moth	31/07/2010	23/07/2012	5
Cabera pusaria	Common White Wave	insect - moth	28/08/2010	07/08/2011	2
Chloroclysta truncata	Common Marbled Carpet	insect - moth	17/06/2005	30/08/2010	7

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Chloroclystis v-ata	V-pug	insect - moth	08/04/2011	24/04/2011	2
Agriopis leucophaearia	Spring Usher	insect - moth	16/03/2009	25/01/2012	2
Perizoma flavofasciata	Sandy Carpet	insect - moth	31/05/2010	-	1
Lomographa temerata	Clouded Silver	insect - moth	18/06/2005	22/07/2011	5
Macaria notata	Peacock Moth	insect - moth	30/06/2006	-	1
Menophra abruptaria	Waved Umber	insect - moth	24/04/2011	09/05/2011	2
Opisthograptis luteolata	Brimstone Moth	insect - moth	05/09/1996	07/09/2012	26
Ourapteryx sambucaria	Swallow-tailed Moth	insect - moth	01/07/2009	-	1
Pasiphila rectangulata	Green Pug	insect - moth	18/06/2005	30/06/2006	2
Phigalia pilosaria	Pale Brindled Beauty	insect - moth	26/02/2009	-	1
Perizoma albulata	Grass Rivulet	insect - moth	25/05/2005	-	1
Ligdia adustata	Scorched Carpet	insect - moth	31/07/2006	02/08/2011	3
Petrophora chlorosata	Brown Silver-line	insect - moth	09/06/2010	-	1
Eulamprotes wilkella	Painted Neb	insect - moth	31/12/1885	30/09/2006	3
Plagodis dolabraria	Scorched Wing	insect - moth	23/06/2011	-	1
Catarhoe cuculata	Royal Mantle	insect - moth	02/08/2011	-	1
Scopula emutaria	Rosy Wave	insect - moth	17/06/2005	30/06/2006	2
Scopula marginepunctata	Mullein Wave	insect - moth	17/06/2005	30/06/2006	2
Peribatodes rhomboidaria	Willow Beauty	insect - moth	05/09/1996	30/08/2012	25
Hydriomena impluviata	May Highflyer	insect - moth	21/06/2010	-	1
Eupithecia phoeniceata	Cypress Pug	insect - moth	05/09/1996	-	1
Eupithecia pulchellata	Foxglove Pug	insect - moth	09/06/2010	05/07/2013	2
Eupithecia succenturiata	Bordered Pug	insect - moth	30/06/2006	-	1
Eupithecia tripunctaria	White-spotted Pug	insect - moth	05/09/1996	-	1
Eupithecia vulgata	Common Pug	insect - moth	20/05/2009	09/06/2010	5
Gymnoscelis rufifasciata	Double-striped Pug	insect - moth	30/06/2006	18/09/2009	2
Lomaspilis marginata	Clouded Border	insect - moth	30/06/2006	03/07/2011	9
Hydriomena furcata	July Highflyer	insect - moth	22/07/2011	-	1
Lobophora halterata	Seraphim	insect - moth	24/04/2011	-	1
Idaea aversata	Riband Wave	insect - moth	05/09/1996	20/08/2012	17
Idaea biselata	Small Fan-footed Wave	insect - moth	05/09/1996	01/08/2013	10
Idaea dimidiata	Single-dotted Wave	insect - moth	15/07/2009	20/08/2012	4
Idaea fuscovenosa	Dwarf Cream Wave	insect - moth	30/06/2006	-	1
Idaea seriata	Small Dusty Wave	insect - moth	23/06/2009	07/09/2009	2
Idaea subsericeata	Satin Wave	insect - moth	17/06/2005	-	1
Eupithecia millefoliata	Yarrow Pug	insect - moth	03/09/2010	-	1
Hemithea aestivaria	Common Emerald	insect - moth	07/07/2010	-	1
Duponchelia fovealis	Dark Marbled Tabby	insect - moth	10/03/2014	-	1
Agriphila geniculea	Elbow-stripe Grass-veneer	insect - moth	06/09/2003	07/09/2012	6
Agriphila inquinatella	Barred Grass-veneer	insect - moth	28/08/2003	-	1
Agriphila straminella	Straw Grass-veneer	insect - moth	31/07/2006	02/08/2011	10
Agriphila tristella	Common Grass-veneer	insect - moth	07/08/2009	12/08/2012	15
Catoptria falsella	Chequered Grass-veneer	insect - moth	16/08/2011	20/08/2012	2
Chrysoteuchia culmella	Garden Grass-veneer	insect - moth	17/06/2005	02/08/2011	15

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Crambus lathoniellus	Hook-streak Grass-veneer	insect - moth	17/06/2005	28/05/2011	2
Catoptria pinella	Pearl Grass-veneer	insect - moth	06/09/1998	02/09/2011	2
Crambus perlella	Satin Grass-veneer	insect - moth	30/06/2006	03/08/2010	4
Diurnea fagella	March Tubic	insect - moth	08/04/2011	28/03/2012	3
Ebulea crocealis	Ochreous Pearl	insect - moth	09/06/2010	-	1
Eudonia angustea	Narrow-winged Grey	insect - moth	09/09/2010	03/05/2014	4
Eudonia lacustrata	Little Grey	insect - moth	27/06/2011	-	1
Eudonia mercurella	Small Grey	insect - moth	02/09/2011	-	1
Eudonia pallida	Marsh Grey	insect - moth	17/06/2005	09/09/2010	3
Eurrhypara hortulata	Small Magpie	insect - moth	30/06/2006	01/06/2014	3
Evergestis forficalis	Garden Pebble	insect - moth	17/05/2010	-	1
Crambus pascuella	Inlaid Grass-veneer	insect - moth	05/09/1998	02/08/2011	4
Miltochrista miniata	Rosy Footman	insect - moth	01/07/2009	29/08/2012	9
Selenia dentaria	Early Thorn	insect - moth	05/09/1998	26/03/2012	5
Macroglossum stellatarum	Humming-bird Hawk-moth	insect - moth	03/06/2009	25/05/2014	10
Adela reaumurella	Green Long-horn	insect - moth	30/04/2011	-	1
Alucita hexadactyla	Twenty-plume Moth	insect - moth	06/05/2010	26/07/2011	4
Diaphora mendica	Muslin Moth	insect - moth	06/05/2010	24/04/2011	3
Eilema complana	Scarce Footman	insect - moth	30/06/2006	02/08/2011	6
Eilema griseola	Dingy Footman	insect - moth	07/08/2009	29/08/2012	6
Acentria ephemerella	Water Veneer	insect - moth	17/06/2005	22/08/2011	3
Eilema sororcula	Orange Footman	insect - moth	26/05/2011	-	1
Anthophila fabriciana	Common Nettle-tap	insect - moth	05/05/2011	16/06/2014	3
Phragmatobia fuliginosa	Ruby Tiger	insect - moth	05/09/1998	31/07/2006	2
Phragmatobia fuliginosa subsp. fuliginosa	Ruby Tiger	insect - moth	06/08/2009	02/08/2011	6
Spilosoma lubricipeda	White Ermine	insect - moth	17/06/2005	21/05/2011	10
Spilosoma luteum	Buff Ermine	insect - moth	18/06/2005	20/08/2012	10
Tyria jacobaeae	Cinnabar	insect - moth	30/06/2006	29/04/2014	17
Argyresthia brockeella	Gold-ribbon Argent	insect - moth	10/07/2011	-	1
Blastobasis adustella	Dingy Dowd	insect - moth	31/07/2006	-	1
Ostrinia nubilalis	European Corn-borer	insect - moth	17/06/2005	22/07/2011	3
Eilema lutarella	Common Footman	insect - moth	30/06/2006	02/08/2011	7
Laspeyria flexula	Beautiful Hook-tip	insect - moth	22/07/2011	-	1
Loxostege sticticalis	Diamond-spot Satin	insect - moth	12/08/2012	-	1
Agonopterix heracliana	Common Flat-body	insect - moth	02/01/2011	13/03/2012	3
Depressaria pastinacella	Parsnip Flat-body	insect - moth	29/04/2011	-	1
Elachista argentella	Swan-feather Dwarf	insect - moth	03/05/2014	-	1
Calliteara pudibunda	Pale Tussock	insect - moth	28/05/2009	26/05/2012	8
Catocala nupta	Red Underwing	insect - moth	19/08/2009	23/08/2009	2
Euclidia glyphica	Burnet Companion	insect - moth	21/05/2010	16/05/2014	10
Agonopterix alstromeriana	Brown-spot Flat-body	insect - moth	10/10/2010	16/03/2012	4
Hypena proboscidalis	Snout	insect - moth	18/06/2005	07/09/2012	8
Watsonalla binaria	Oak Hook-tip	insect - moth	05/09/1998	-	1
Leucoma salicis	White Satin Moth	insect - moth	22/07/2011	02/08/2011	2

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Orgyia antiqua	Vapourer	insect - moth	05/09/1996	-	1
Rivula sericealis	Straw Dot	insect - moth	17/06/2005	20/08/2012	16
Scoliopteryx libatrix	Herald	insect - moth	05/09/1996	04/07/2014	8
Anarsia spartiella	Small Crest	insect - moth	31/12/1886	-	1
Bryotropha senectella	Dull Red Grounding	insect - moth	31/12/1886	29/07/1889	2
Bryotropha umbrosella	Sandhill Grounding	insect - moth	31/12/1886	29/07/1889	2
Caryocolum marmoreum	Beautiful Grounding	insect - moth	17/06/2005	-	1
Euproctis similis	Yellow-tail	insect - moth	05/09/1996	21/07/2013	4
Scoparia subfusca	Large Grey	insect - moth	17/06/2005	30/06/2006	2
Chionodes fumatella	Downland Grounding	insect - moth	31/12/1886	24/07/1890	4
Parapoynx stratiotata	Ringed China-mark	insect - moth	22/08/2011	-	1
Pediasia contaminella	Waste Grass-veneer	insect - moth	02/08/2011	-	1
Phyctaenia coronata	Elder Pearl	insect - moth	02/08/2011	-	1
Pleuroptya ruralis	Mother of Pearl	insect - moth	05/09/1996	20/08/2012	8
Pyrausta aurata	Small Purple & Gold	insect - moth	05/09/1996	20/08/2012	18
Pyrausta despicata	Straw-barred Pearl	insect - moth	30/06/2006	22/08/2011	2
Agonopterix arenella	Brindled Flat-body	insect - moth	08/04/2011	01/07/2013	6
Scoparia ambigualis	Common Grey	insect - moth	10/06/2012	-	1
Nomophila noctuella	Rush Veneer	insect - moth	05/09/1996	07/09/2012	10
Udea ferrugalis	Rusty Dot	insect - moth	05/09/1996	11/06/2014	8
Udea olivalis	Olive Pearl	insect - moth	10/06/2011	26/06/2011	2
Celiz glaucata	Chinese Character	insect - moth	05/09/1996	02/08/2011	4
Drepana falcataria	Pebble Hook-tip	insect - moth	05/05/1996	03/08/2010	2
Falcaria lacertinaria	Scalloped Hook-tip	insect - moth	05/09/1996	-	1
Habrosyne pyritoides	Buff Arches	insect - moth	18/06/2005	22/07/2011	3
Polyploca ridens	Frosted Green	insect - moth	06/05/2010	-	2
Tethea ocularis	Figure of Eighty	insect - moth	18/06/2005	-	1
Pyrausta purpuralis	Common Purple & Gold	insect - moth	20/08/2012	-	1
Ypsolopha ustella	Variable Smudge	insect - moth	19/10/2010	25/01/2012	2
Cerura querna	Long-horned Flat-body	insect - moth	03/08/2010	25/07/2013	5
Plutella xylostella	Diamond-back Moth	insect - moth	30/06/2006	22/11/2011	7
Agdistis bennetti	Saltmarsh Plume	insect - moth	05/09/1996	-	1
Amblyptilia acanthadactyla	Beautiful Plume	insect - moth	18/06/2009	20/08/2012	3
Emmelina monodactyla	Common Plume	insect - moth	03/09/2003	22/11/2011	11
Platyptilia ochrodactyla	Tansy Plume	insect - moth	27/08/2009	-	1
Platyptilia pallidactyla	Yarrow Plume	insect - moth	20/06/2009	02/08/2011	4
Pterophorus pentadactyla	White Plume Moth	insect - moth	30/06/2006	24/08/2014	3
Anerastia lotella	Sandhill Knot-horn	insect - moth	17/06/2005	30/06/2006	2
Aphomia sociella	Bee Moth	insect - moth	30/06/2006	02/08/2011	3
Hyloicus pinastri	Pine Hawk-moth	insect - moth	31/07/2006	-	1
Zygaena filipendulae	Six-spot Burnet	insect - moth	05/06/2009	02/07/2014	21
Phalodon capucina	Coxcomb Prominent	insect - moth	02/08/2011	-	1
Yponomeuta evonymella	Bird-cherry Ermine	insect - moth	01/07/2009	25/08/2011	5
Zeiraphera isertana	Cock's-head Bell	insect - moth	22/07/2011	-	1

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Tortrix viridana	Green Oak Tortrix	insect - moth	17/06/2005	07/06/2011	5
Tortricodes alternella	Winter Shade	insect - moth	12/03/2011	16/03/2012	2
Thiodia citrana	Lemon Bell	insect - moth	30/06/2006	-	1
Phtheochroa rugosana	Rough-winged Conch	insect - moth	09/06/2010	-	1
Phtheochroa inopiana	Plain Conch	insect - moth	30/05/2006	-	1
Pandemis heparana	Dark Fruit-tree Tortrix	insect - moth	07/07/2010	-	1
Pandemis cerasana	Barred Fruit-tree Tortrix	insect - moth	03/07/2011	-	1
Thera cupressata	Cypress Carpet	insect - moth	13/11/2011	22/11/2011	2
Phlogophora meticulosa	Angle Shades	insect - moth	05/09/1996	13/07/2012	11
Endotricha flammealis	Rosy Tabby	insect - moth	05/09/1996	29/08/2012	8
Nola confusalis	Least Black Arches	insect - moth	09/06/2010	24/04/2011	2
Plusia festucae	Gold Spot	insect - moth	23/08/2009	29/08/2012	2
Polymixis lichenea	Feathered Ranunculus	insect - moth	27/09/2011	-	1
Rhizedra lutosa	Large Wainscot	insect - moth	06/10/2005	27/09/2011	2
Thalpophila matura	Straw Underwing	insect - moth	22/08/2011	-	1
Stathmopoda pedella	Alder Signal	insect - moth	04/07/2010	16/07/2012	10
Xanthia gilvago	Dusky-lemon Sallow	insect - moth	13/11/2011	-	1
Xanthia icteritia	Sallow	insect - moth	28/09/2009	13/11/2011	4
Xanthia togata	Pink-barred Sallow	insect - moth	20/10/2010	-	1
Xestia c-nigrum	Setaceous Hebrew Character	insect - moth	05/09/1996	07/09/2012	31
Xestia sexstrigata	Six-striped Rustic	insect - moth	26/08/2010	-	1
Xestia xanthographa	Square-spot Rustic	insect - moth	23/08/2009	07/09/2012	13
Hofmannophila pseudospretella	Brown House-moth	insect - moth	21/05/2010	-	1
Earias clorana	Cream-bordered Green Pea	insect - moth	30/05/2006	07/07/2010	2
Endrosis sarcitrella	White-shouldered House-moth	insect - moth	26/09/2003	28/02/2012	8
Nycteola revayana	Oak Nycteoline	insect - moth	28/02/2012	21/07/2013	3
Pseudargyrotoza conwagana subsp. britannica	Green Silver-lines	insect - moth	18/06/2005	-	1
Cerura vinula	Puss Moth	insect - moth	26/05/2011	-	1
Clostera curtula	Chocolate-tip	insect - moth	31/05/2010	-	1
Furcula furcula	Sallow Kitten	insect - moth	05/09/1996	02/08/2011	4
Notodonta dromedarius	Iron Prominent	insect - moth	23/08/2009	09/05/2011	2
Notodonta ziczac	Pebble Prominent	insect - moth	08/05/2010	02/08/2011	5
Phalera bucephala	Buff-tip	insect - moth	07/07/2010	03/07/2011	2
Pheosia tremula	Swallow Prominent	insect - moth	05/09/1996	20/08/2012	12
Pterostoma palpina	Pale Prominent	insect - moth	05/09/1996	31/05/2010	4
Pammene argyrana	Black-bordered Piercer	insect - moth	10/05/2009	-	1
Xylocampa areola	Early Grey	insect - moth	17/03/2009	26/03/2012	11
Nephopteryx angustella	Spindle Knot-horn	insect - moth	07/06/2011	-	1
Alemma loeflingiana	Yellow Oak Button	insect - moth	07/07/2010	-	1
Agapeta hamana	Common Yellow Conch	insect - moth	30/06/2006	10/06/2011	2
Aethes smeathmanniana	Yarrow Conch	insect - moth	03/06/2010	-	1
Acleris variegana	Garden Rose Tortrix	insect - moth	26/08/2010	20/08/2012	4
Acleris sparsana	Ashy Button	insect - moth	13/11/2011	-	1
Acleris forsskaleana	Maple Button	insect - moth	03/08/2010	20/08/2012	4

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Niditinea fuscella	Brown-dotted Clothes Moth	insect - moth	12/05/2009	-	1
Ephestia parasitella	False Cacao Moth	insect - moth	30/06/2006	-	1
Eucarphera pinguis	Ash-bark Knot-horn	insect - moth	03/09/2010	02/09/2011	3
Homoeosoma sinuella	Twin-barred Knot-horn	insect - moth	17/06/2005	30/06/2006	2
Pammene fasciana	Acorn Piercer	insect - moth	23/06/2011	03/07/2011	2
Myelois circumvoluta	Thistle Ermine	insect - moth	17/06/2005	03/07/2011	5
Celypha lacunana	Common Marble	insect - moth	30/06/2006	23/06/2011	7
Orthopygia glaucinalis	Double-striped Tabby	insect - moth	28/06/2009	02/09/2011	3
Phycita roborella	Dotted Oak Knot-horn	insect - moth	07/07/2010	22/08/2011	5
Phycitodes binaevella	Ermine Knot-horn	insect - moth	30/06/2006	-	1
Synaphe punctalis	Long-legged Tabby	insect - moth	30/06/2006	02/08/2011	2
Trachycera advenella	Grey Knot-horn	insect - moth	03/08/2010	03/07/2011	2
Agrius convolvuli	Convolvulus Hawk-moth	insect - moth	05/09/1996	-	1
Deilephila elpenor	Elephant Hawk-moth	insect - moth	17/06/2005	08/09/2011	10
Deilephila porcellus	Small Elephant Hawk-moth	insect - moth	17/06/2005	30/06/2006	2
Laothoe populi	Poplar Hawk-moth	insect - moth	05/09/1996	30/06/2006	2
Mimas tiliae	Lime Hawk-moth	insect - moth	17/06/2005	-	1
Sphinx ligustri	Privet Hawk-moth	insect - moth	18/06/2005	-	2
Hypsopygia costalis	Gold Triangle	insect - moth	30/06/2006	-	1
Cydia pomonella	Codling Moth	insect - moth	23/08/2011	-	1
Necophalescoptera nubilana	Deep Brown Shade	insect - moth	21/06/2010	-	1
Hedya pruniana	Plum Tortrix	insect - moth	23/06/2011	-	1
Hedya nubiferana	Marbled Orchard Tortrix	insect - moth	23/06/2011	-	1
Eudemis profundana	Diamond-back Marble	insect - moth	31/07/2010	-	1
Eucosma hohenwartiana	Bright Bell	insect - moth	21/07/2011	22/07/2011	2
Eucosma cana	Hoary Bell	insect - moth	30/06/2006	22/07/2011	3
Epiphyas postvittana	Light Brown Apple Moth	insect - moth	05/09/2003	08/06/2014	36
Epinotia subocellana	White Sallow Bell	insect - moth	07/07/2010	-	1
Epinotia nisella	Grey Poplar Bell	insect - moth	28/08/2010	09/09/2010	2
Epiblema uddmanniana	Bramble Shoot Moth	insect - moth	23/06/2011	-	1
Epiblema cynosbatella	Yellow-faced Bell	insect - moth	09/06/2010	21/05/2011	3
Archips podana	Large Fruit-tree Tortrix	insect - moth	04/07/2010	03/07/2011	2
Cydia splendana	Marbled Piercer	insect - moth	03/08/2010	09/09/2010	2
Celypha cespitana	Thyme Marble	insect - moth	26/08/2010	09/09/2010	2
Cydia amplana	Vagrant Piercer	insect - moth	28/08/2010	-	1
Cochylis atricapitana	Black-headed Conch	insect - moth	17/06/2005	-	1
Cochylimorpha straminea	Straw Conch	insect - moth	21/08/2010	28/08/2010	3
Cnephasia stephensiana	Grey Tortrix	insect - moth	07/07/2010	-	1
Cnephasia longana	Long-winged Shade	insect - moth	30/06/2006	-	1
Cnephasia incertana	Light Grey Tortrix	insect - moth	03/08/2010	-	1
Clepsis spectrana	Cyclamen Tortrix	insect - moth	07/06/2011	-	1
Clepsis consimilana	Privet Twist	insect - moth	30/06/2006	-	1
Celypha striana	Barred Marble	insect - moth	30/06/2006	-	1
Celypha rosaceana	Roseate Marble	insect - moth	17/06/2005	30/06/2006	2

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Siderides albicolon	White Colon	insect - moth	17/06/2005	30/06/2006	2
Dichoramphis alpinana	Broad-blotch Drill	insect - moth	08/05/2011	20/06/2011	2
Colocasia coryli	Nut-tree Tussock	insect - moth	01/04/2009	02/08/2011	5
Dichonia aprilina	Merveille Du Jour	insect - moth	29/10/2011	-	1
Apamea remissa	Dusky Brocade	insect - moth	04/06/2009	02/08/2011	3
Apamea sordens	Rustic Shoulder-knot	insect - moth	20/05/2009	28/05/2009	2
Apamea unanimis	Small Clouded Brindle	insect - moth	04/06/2009	-	1
Aporophyla nigra	Black Rustic	insect - moth	28/09/2009	27/09/2011	3
Archanara geminipuncta	Twin-spotted Wainscot	insect - moth	06/08/2009	-	1
Atethmia centrago	Centre-barred Sallow	insect - moth	07/09/2009	16/09/2011	5
Autographa gamma	Silver Y	insect - moth	05/09/1996	01/09/2013	44
Axylia putris	Flame	insect - moth	17/06/2005	02/08/2014	10
Caradrina morpheus	Mottled Rustic	insect - moth	09/06/2010	03/07/2011	8
Cerastis rubricosa	Red Chestnut	insect - moth	08/04/2011	-	1
Apamea lithoxylaea	Light Arches	insect - moth	21/06/2010	-	1
Chilodes maritimus	Silky Wainscot	insect - moth	17/06/2005	-	1
Apamea anceps	Large Nutmeg	insect - moth	25/06/2005	-	1
Conistra ligula	Dark Chestnut	insect - moth	17/03/2009	29/10/2010	2
Conistra rubiginea	Dotted Chestnut	insect - moth	24/04/2011	-	1
Conistra vaccinii	Chestnut	insect - moth	16/02/2012	-	1
Cosmia trapezina	Dun-bar	insect - moth	05/09/1996	20/08/2012	8
Craniophora ligustri	Coronet	insect - moth	01/07/2009	02/08/2011	9
Xanthia aurago	Barred Sallow	insect - moth	06/10/2005	10/10/2011	4
Crypsia muralis	Marbled Green	insect - moth	05/09/1996	15/08/2013	5
Parastichtis ypsilon	Dingy Shears	insect - moth	03/07/2011	-	1
Diachrysia chrysitis	Burnished Brass	insect - moth	18/06/2005	22/08/2011	10
Diarsia mendica subsp. mendica	Ingrailed Clay	insect - moth	28/05/2009	-	1
Diarsia rubi	Small Square-spot	insect - moth	17/06/2005	08/06/2014	9
Charanyca trigrammica	Treble Lines	insect - moth	20/05/2009	22/08/2011	9
Acronicta		insect - moth	05/09/1996	22/08/2011	5
Timandra comae	Blood-Vein	insect - moth	05/09/1996	02/08/2011	6
Xanthorhoe designata	Flame Carpet	insect - moth	13/06/2009	03/08/2010	2
Xanthorhoe fluctuata	Garden Carpet	insect - moth	05/09/1996	07/09/2012	8
Xanthorhoe montanata	Silver-ground Carpet	insect - moth	21/06/2010	-	1
Xanthorhoe spadicearia	Red Twin-spot Carpet	insect - moth	23/04/2010	24/05/2013	11
Calophilia robustella	New Oak Slender	insect - moth	20/08/2012	-	1
Calophilia semifascia	Maple Slender	insect - moth	16/09/2011	-	1
Hepialus lupulinus	Common Swift	insect - moth	17/06/2005	07/06/2011	7
Hepialus sylvina	Orange Swift	insect - moth	05/09/1996	20/08/2012	3
Euthrix potatoria	Drinker	insect - moth	17/06/2005	31/07/2006	3
Poecilocampa populi	December Moth	insect - moth	11/12/2009	-	1
Apamea monoglypha	Dark Arches	insect - moth	05/09/1996	08/06/2014	15
Abrostola tripartita	Spectacle	insect - moth	05/09/1996	09/05/2011	4
Cucullia umbratica	Shark	insect - moth	30/06/2006	-	1

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Acronicta leporina	Miller	insect - moth	20/05/2009	25/05/2009	2
Acronicta megacephala	Poplar Grey	insect - moth	30/06/2006	09/06/2010	3
Acronicta rumicis	Knot Grass	insect - moth	05/09/1996	02/08/2011	3
Agrochola lota	Red-line Quaker	insect - moth	11/11/2009	13/11/2011	3
Agrochola lychnidis	Beaded Chestnut	insect - moth	10/10/2010	10/10/2011	2
Agrotis clavis	Heart & Club	insect - moth	30/06/2006	10/10/2011	8
Agrotis exclamationis	Heart & Dart	insect - moth	05/09/1996	22/08/2011	22
Agrotis ipsilon	Dark Sword-grass	insect - moth	23/08/2009	22/08/2011	2
Agrotis puta	Shuttle-shaped Dart	insect - moth	17/06/2005	23/08/2012	22
Agrotis segetum	Turnip Moth	insect - moth	12/08/2010	21/08/2011	5
Amphipyra		insect - moth	10/09/2009	20/09/2012	4
Apoda limacodes	Festoon	insect - moth	30/06/2006	03/07/2011	3
Oligia		insect - moth	17/06/2005	21/06/2010	7
Mythimna ferrago	Clay	insect - moth	30/06/2006	20/08/2012	4
Mythimna impura	Smoky Wainscot	insect - moth	25/06/2005	22/07/2011	10
Mythimna l-album	L-album Wainscot	insect - moth	28/09/2009	10/10/2011	3
Discestra trifolii	Nutmeg	insect - moth	05/09/1996	-	1
Mythimna pallens	Common Wainscot	insect - moth	05/09/1996	20/08/2014	15
Cryphia algae	Tree-lichen Beauty	insect - moth	06/06/2009	03/08/2010	4
Noctua comes	Lesser Yellow Underwing	insect - moth	05/09/1996	07/09/2012	13
Noctua fimbriata	Broad-bordered Yellow Underwing	insect - moth	05/09/1996	27/09/2011	7
Noctua interjecta	Least Yellow Underwing	insect - moth	23/08/2009	09/09/2010	4
Noctua janthe	Lesser Broad-bordered Yellow Underwi	insect - moth	05/09/1996	20/08/2012	10
Mythimna comma	Shoulder-striped Wainscot	insect - moth	30/06/2006	03/07/2011	6
Ochropleura plecta	Flame Shoulder	insect - moth	05/09/1996	20/08/2012	28
Mythimna litoralis	Shore Wainscot	insect - moth	17/06/2005	30/06/2006	2
Oligia latruncula	Tawny Marbled Minor	insect - moth	04/06/2009	01/07/2009	2
Oligia strigilis	Marbled Minor	insect - moth	18/06/2005	03/07/2011	7
Omphaloscelis lunosa	Lunar Underwing	insect - moth	06/10/2005	10/10/2011	6
Orthosia cerasi	Common Quaker	insect - moth	26/02/2009	28/03/2012	19
Orthosia cruda	Small Quaker	insect - moth	11/03/2009	28/03/2012	12
Orthosia gothica	Hebrew Character	insect - moth	18/06/2005	28/03/2012	21
Orthosia gracilis	Powdered Quaker	insect - moth	11/03/2009	08/04/2011	4
Orthosia incerta	Clouded Drab	insect - moth	17/03/2009	26/03/2012	13
Orthosia munda	Twin-spotted Quaker	insect - moth	17/03/2009	26/03/2012	6
Panolis flammea	Pine Beauty	insect - moth	24/04/2011	-	1
Paradrina clavipalpis	Pale Mottled Willow	insect - moth	18/06/2005	16/02/2012	5
Noctua pronuba	Large Yellow Underwing	insect - moth	05/09/1996	07/09/2012	37
Hoplodrina alsines	Uncertain	insect - moth	25/06/2005	02/08/2011	12
Mythimna pudorina	Striped Wainscot	insect - moth	22/07/2011	-	1
Lithophane leautieri subsp. hesperica	Blair's Shoulder-knot	insect - moth	10/10/2010	13/11/2011	3
Lithophane hepatica	Pale Pinion	insect - moth	20/05/2009	-	1
Lacanobia w-latinum	Light Brocade	insect - moth	09/05/2011	-	1
Lacanobia oleracea	Bright-Line Brown-Eye	insect - moth	05/09/1996	10/10/2010	9

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Hydraecia micacea	Rosy Rustic	insect - moth	09/09/2010	07/09/2012	5
Lithophane ornitopus	Grey Shoulder-knot	insect - moth	17/03/2009	-	1
Hoplodrina ambigua	Vine's Rustic	insect - moth	05/09/1996	27/09/2011	7
Luperina testacea	Flounced Rustic	insect - moth	25/08/2010	20/08/2012	4
Helicoverpa armigera	Scarce Bordered Straw	insect - moth	13/10/2010	-	1
Hadena perplexa	Tawny Shears	insect - moth	05/09/1996	-	1
Hadena bicruris	Lychnis	insect - moth	20/05/2009	-	1
Hada plebeja	Shears	insect - moth	17/06/2005	-	1
Euxoa tritici	White-line Dart	insect - moth	30/06/2006	02/08/2011	3
Eupsilia transversa	Satellite	insect - moth	17/03/2009	29/10/2010	2
Enargia ochroleuca	Dusky Sallow	insect - moth	22/07/2010	06/08/2013	5
Hoplodrina blanda	Rustic	insect - moth	04/06/2009	22/08/2011	18
Mamestra brassicae	Cabbage Moth	insect - moth	05/09/1996	20/08/2012	3
Mormo maura	Old Lady	insect - moth	26/07/2011	25/06/2013	3
Mesoligia literosa	Rosy Minor	insect - moth	25/06/2005	23/06/2009	3
Mesoligia furuncula	Cloaked Minor	insect - moth	03/08/2010	22/08/2011	2
Mesapamea secalis	Common Rustic	insect - moth	05/09/1996	23/08/2009	4
Mesapamea didyma	Lesser Common Rustic	insect - moth	07/08/2009	-	1
Mesapamea		insect - moth	03/08/2010	22/08/2011	4
Melanchra persicariae	Dot Moth	insect - moth	05/09/1996	-	1
Mythimna albipuncta	White-point	insect - moth	18/06/2005	16/09/2011	9
Lucilia caesar		insect - true fly (Diptera)	16/05/2007	31/05/2007	2
Musca domestica	House Fly	insect - true fly (Diptera)	16/05/2007	31/05/2007	2
Tipula		insect - true fly (Diptera)	31/05/2007	-	1
Sarcophaga carnaria		insect - true fly (Diptera)	16/05/2007	-	1
Sarcophaga variegata		insect - true fly (Diptera)	31/05/2007	-	1
Paragus haemorrhous		insect - true fly (Diptera)	03/05/2014	-	1
Syrphus		insect - true fly (Diptera)	31/05/2007	-	1
Syrphus ribesii		insect - true fly (Diptera)	16/05/2007	31/05/2007	2
Tipula		insect - true fly (Diptera)	16/05/2007	-	1
Calliphora vomitoria	Bluebottle	insect - true fly (Diptera)	16/05/2007	31/05/2007	2
Lasius niger	Small Black Ant	insect - hymenopteran	27/06/2004	-	1
Technysphex pompiliformis		insect - hymenopteran	27/06/2004	09/06/2007	3
Chrysis ignita		insect - hymenopteran	21/07/2005	08/09/2005	2
Hedychridium ardens		insect - hymenopteran	02/08/2004	09/06/2007	2
Cerceris arenaria	Sand Tailed Digger Wasp	insect - hymenopteran	27/06/2004	02/08/2004	2
Crabro cribrarius	Slender Bodied Digger Wasp	insect - hymenopteran	27/06/2004	-	1
Crossocerus (Ablepharipus) podagricus		insect - hymenopteran	02/08/2004	-	1
Crossocerus (Crossocerus) wesmaeli	Wesmael's Digger Wasp	insect - hymenopteran	10/08/2007	-	1
Diodontus minutus	Minute Black Wasp	insect - hymenopteran	09/06/2007	-	1
Dryudella pinguis		insect - hymenopteran	04/06/1993	10/08/2007	3
Ectemnius (Hypocrabro) rubicola		insect - hymenopteran	27/06/2004	-	1
Gorytes quadrifasciatus	4-Banded Digger Wasp	insect - hymenopteran	27/06/2004	-	1
Mellinus arvensis	Field Digger Wasp	insect - hymenopteran	02/08/2004	-	1

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Oxybelus argentatus	Silver Spiny Digger Wasp	insect - hymenopteran	27/06/2004	09/06/2007	2
Sphecodes puncticeps		insect - hymenopteran	09/06/2007	-	1
Philanthus triangulum	Bee Wolf	insect - hymenopteran	02/08/2004	13/08/2007	2
Myrmica specioides		insect - hymenopteran	27/06/2004	13/08/2007	3
Formica rufa	Red Wood Ant	insect - hymenopteran	16/05/2007	31/05/2007	2
Andrena (Hoplandrena) trimmerana	Trimmer's Mining Bee	insect - hymenopteran	26/04/1973	-	2
Anoplius (Arachnophroctonus) infuscatus		insect - hymenopteran	10/08/2007	-	1
Formica pratensis	Meadow Ant	insect - hymenopteran	16/05/2007	31/05/2007	2
Evagetes crassicornis		insect - hymenopteran	04/08/1993	-	1
Pompilus cinereus	Leaden Spider Wasp	insect - hymenopteran	04/08/1993	27/06/2004	2
Ammophila sabulosa	Red Banded Sand Wasp	insect - hymenopteran	27/06/2004	09/06/2007	3
Dolichovespula (Pseudovespula) sylvestris	Tree Wasp	insect - hymenopteran	27/06/2004	-	1
Vespa crabro	Hornet	insect - hymenopteran	20/05/2005	31/08/2010	20
Vespula	Indet. Wasp	insect - hymenopteran	31/05/2007	-	1
Vespula (Paravespula)		insect - hymenopteran	16/05/2007	-	1
Vespula (Paravespula) germanica	German Wasp	insect - hymenopteran	02/08/2004	-	1
Oxybelus uniglumis	Common Spiny Digger Wasp	insect - hymenopteran	04/08/1993	09/06/2007	4
Bombus (Pyrobombus) pratorum	Early Bumble Bee	insect - hymenopteran	18/03/2005	08/06/2014	2
Episyron rufipes	Red Legged Spider Wasp	insect - hymenopteran	04/08/1993	02/08/2004	3
Andrena (Melandrena) nigroaenea		insect - hymenopteran	27/06/2004	-	1
Andrena (Trachandrena) haemorrhoa	Early Mining Bee	insect - hymenopteran	29/04/2010	-	1
Andrena (Zonandrena) flavipes	Yellow Legged Mining Bee	insect - hymenopteran	27/06/2004	02/08/2004	2
Apis mellifera	Honey Bee	insect - hymenopteran	16/05/2007	31/05/2007	2
Bombus (Bombus) lucorum	White-Tailed Bumble Bee	insect - hymenopteran	16/05/2007	02/04/2010	4
Bombus (Bombus) terrestris	Buff-Tailed Bumble Bee	insect - hymenopteran	27/06/2004	16/05/2014	7
Bombus (Megabombus) hortorum	Small Garden Bumble Bee	insect - hymenopteran	27/06/2004	-	1
Bombus (Melanobombus) lapidarius	Large Red Tailed Bumble Bee	insect - hymenopteran	27/06/2004	20/03/2010	4
Bombus (Psithyrus) barbutellus	Barbut's Cuckoo Bee	insect - hymenopteran	27/06/2004	-	1
Bombus (Psithyrus) campestris	Field Cuckoo Bee	insect - hymenopteran	02/08/2004	-	1
Sphecodes pellucidus		insect - hymenopteran	09/06/2007	-	1
Bombus (Pyrobombus) hypnorum	Tree Bumblebee	insect - hymenopteran	15/06/2009	05/06/2014	6
Hylaeus (Lambdopsis) dilatatus		insect - hymenopteran	10/08/2007	-	1
Osmia (Osmia) bicornis	Red Mason Bee	insect - hymenopteran	21/04/2005	18/04/2006	3
Megachile (Eutricharaea) leachella	Silvery Leaf-Cutter Bee	insect - hymenopteran	27/06/2004	09/06/2007	3
Lasioglossum (Lasioglossum) leucozonium		insect - hymenopteran	09/06/2007	-	1
Lasioglossum (Evylaeus) villosulum	Shaggy Mining Bee	insect - hymenopteran	09/06/2007	10/08/2007	2
Bombus (Psithyrus) vestalis	Vestal Cuckoo Bee	insect - hymenopteran	27/06/2004	02/08/2004	2
Hylaeus (Prosopis) brevicornis	Short Horned Yellow-Face Bee	insect - hymenopteran	09/06/2007	-	1
Bombus (Thoracobombus) pascuorum	Common Carder Bee	insect - hymenopteran	27/06/2004	15/05/2014	4
Hylaeus (Hylaeus) communis	Common Yellow Face Bee	insect - hymenopteran	09/06/2007	-	1
Halictus (Seladonia) tumulorum		insect - hymenopteran	02/08/2004	-	1
Epeolus variegatus		insect - hymenopteran	02/08/2004	09/06/2007	3
Colletes (Colletes) marginatus	Margined Colletes	insect - hymenopteran	27/06/2004	-	1
Colletes (Colletes) fodiens		insect - hymenopteran	02/08/2004	-	1

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Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
Coelioxys conoidea		insect - hymenopteran	27/06/2004	09/06/2007	2
Hylaeus (Spatulariella) hyalinatus		insect - hymenopteran	27/06/2004	10/08/2007	4
Gasterosteus aculeatus	Three-spined Stickleback	bony fish (Actinopterygii)	15/09/2003	-	1
Cyprinus carpio	Common Carp	bony fish (Actinopterygii)	31/05/2002	-	1
Lissotriton vulgaris	Smooth Newt	amphibian	01/03/1993	31/12/2010	43
Rana temporaria	Common Frog	amphibian	07/03/1996	31/12/2010	68
Bufo bufo	Common Toad	amphibian	31/12/2002	31/12/2010	17
Lissotriton helveticus	Palmate Newt	amphibian	01/03/1993	16/05/2007	3
Triturus cristatus	Great Crested Newt	amphibian	03/04/2001	18/06/2010	83
Zootoca vivipara	Common Lizard	reptile	11/07/1996	03/05/2014	39
Natrix natrix	Grass Snake	reptile	15/07/1996	31/12/2010	2
Anguis fragilis	Slow-worm	reptile	27/09/1992	02/07/2014	19
Myodes glareolus	Bank Vole	terrestrial mammal	06/04/2009	-	1
Lepus europaeus	Brown Hare	terrestrial mammal	10/06/2013	-	1
Oryctolagus cuniculus	European Rabbit	terrestrial mammal	04/07/2000	15/11/2011	29
Apodemus flavicollis	Yellow-necked Mouse	terrestrial mammal	14/04/2008	31/12/2010	2
Apodemus sylvaticus	Wood Mouse	terrestrial mammal	09/04/2009	-	1
Arvicola amphibius	European Water Vole	terrestrial mammal	23/06/2004	11/09/2014	13
Microtus agrestis	Field Vole	terrestrial mammal	25/12/2000	31/12/2010	2
Plecotus auritus	Brown Long-eared Bat	terrestrial mammal	06/05/1997	30/07/1998	2
Rattus norvegicus	Brown Rat	terrestrial mammal	14/10/2001	11/09/2014	4
Sciurus carolinensis	Eastern Grey Squirrel	terrestrial mammal	03/04/1983	31/12/2010	20
Micromys minutus	Harvest Mouse	terrestrial mammal	31/12/2010	-	1
Talpa europaea	European Mole	terrestrial mammal	13/10/2001	22/02/2009	31
Erinaceus europaeus	West European Hedgehog	terrestrial mammal	01/10/1998	30/05/2013	31
Plecotus	Long-eared sp.	terrestrial mammal	11/07/1994	-	2
Pipistrellus pipistrellus	Common Pipistrelle (45 kHz)	terrestrial mammal	23/05/2014	-	2
Pipistrellus	Pipistrelle sp.	terrestrial mammal	16/05/2007	27/08/2014	8
Nyctalus noctula	Noctule Bat	terrestrial mammal	31/12/2010	-	1
Myotis nattereri	Natterer's Bat	terrestrial mammal	31/12/2010	-	1
Myotis daubentonii	Daubenton's Bat	terrestrial mammal	27/07/1997	09/08/1997	2
Eptesicus serotinus	Serotine	terrestrial mammal	04/12/1998	27/08/2014	3
Chiroptera	Bat sp.	terrestrial mammal	09/09/1987	30/08/2008	10
Mustela nivalis	Weasel	terrestrial mammal	22/03/1990	08/09/2008	9
Mustela erminea	Stoat	terrestrial mammal	11/04/1982	10/12/2009	9
Vulpes vulpes	Red Fox	terrestrial mammal	10/06/1998	21/03/2011	15
Capreolus capreolus	Roe Deer	terrestrial mammal	31/05/2003	18/03/2005	4
Sorex araneus	Eurasian Common Shrew	terrestrial mammal	23/06/2001	31/12/2010	2

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Woods Mill, Henfield, West Sussex BN5 9SD
Tel: 01273 497 550 / 557
Fax: 0203 070 0709
Email: sxbrc@sussexwt.org.uk
Website: sxbrc.org.uk

Sussex Environmental Survey Directory

Report on behalf of Jeff Picksley (Artemis Ecological Consulting) regarding land at Ford Airfield + 2km radius.

Our Ref: ESD/15/495

Date: 20-Jul-15

The Sussex Environmental Survey Directory (ESD) was initiated in 1990 as a tool to report on biological surveys that had taken place in Sussex. The directory now contains information on over 2,000 surveys covering over 22,000 sites. This report details what surveys have been carried out on specific sites and directs the enquirer to where this information is held. The Record Centre does not hold copies of all the reports that it refers enquirers to, but simply directs the enquirer to organisations or individuals who do.

The directory is updated on a weekly basis and also contains summary data on the county's ornithological data, (courtesy of the Sussex Ornithological Society) and on the county's geological sites (courtesy of the Booth Museum).

Survey Name: Climping Gap Preservation and Field Recording Society Report 1992 - (3781)

Survey Author	Climping Gap Preservation & Field Record	
Survey Comment	The Climping Gapis visited by many enthusiasts, attracted to the wealth of flora nad fauna present on the site of undeveloped coastal margin.	
Date	1991	
Site Name	Climping/Clymping Gap	TQ007014
Site Comment	This site includes the whole of Climping Beach SSSI, & SNCI Ar06, and LNR Site	
Copies Available	SxBRC Digital	

Survey Name: Brief Survey at Wick - (153)

Survey Author	GRIFFITHS, Ann	
Survey Comment	A short note and BRC card completed in response to a planning application for tipping (No. LU/289/76).	
Date	7.77	
Site Name	Arun Valley, Wick	TQ015031
Site Comment	A fairly species rich area of grassland. There are some trees on the site.	
Copies Available	WSCC	

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Survey Name	Littlehampton West Beach and Climping Survey - (189)	
Survey Author	STERN, Rod.	
Survey Comment	A completed Bryophytes (mosses and liverworts) recording card filed in the SNCI Ar6 file at WSCC.	
Date	22.4.85	
Site Name	Littlehampton West Beach Area, Climping Gap	TQ017015
Site Comment	The area on the west side of the mouth of the River Arun with sand dunes, a golf course, small areas of woodland and pasture with drainage ditches. Incorporates SNCI Ar6 and Climping Beach SSSI.	
Copies Available	WSCC	

Survey Name	Climping Gap Preservation and Recording Society Records - (390)	
Survey Author	Various	
Survey Comment	Comprehensive species lists of all flora and fauna up to the end of 1991 from Climping Gap. Lower River Valley Survey No.9.	
Date	-1991	
Site Name	Climping/Clymping Gap	TQ007014
Site Comment	This site includes the whole of Climping Beach SSSI, & SNCI Ar06, and LNR Site	
Copies Available	EN, WSCC	

Survey Name	West Sussex Potential SNCI Project - (397)	
Survey Author	FINCH, Marion, CLARK, Louise	
Survey Comment	A survey of potential SNCIs to assess their significance. Incidental records of mammals, birds, butterflies and moths, and ferns/bryophytes/lichens were included. ONLY West Sussex covered in the survey. Where relevant, info. in EN/SSSI Files. NB: some sites listed below have since been designated, and are now named accordingly.	
Date	1990-3.92	
Site Name	Old Canal, West of Yapton (pSNCI)	SU970036
Site Comment	Potential SNCI. The old canal is clay. The flat bottom, which is grassland, has been improved, but the banks are more species-rich.	
Copies Available	WSCC, EN/SSSI/SCI	

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Survey Name	West Sussex Potential SNCI Project - (397)	
Survey Author	FINCH, Marion, CLARK, Louise	
Survey Comment	A survey of potential SNCIs to assess their significance. Incidental records of mammals, birds, butterflies and moths, and ferns/bryophytes/lichens were included. ONLY West Sussex covered in the survey. Where relevant, info. in EN/SSSI Files. NB: some sites listed below have since been designated, and are now named accordingly.	
Date	1990-3.92	
Site Name	Field opposite Bonhams Farm, Yapton (pSNCI)	SU974034
Site Comment	Potential SNCI. The small field is of semi-improved grazed grassland which has also been cut.	
Copies Available	WSCC, EN/SSSI/SCI	

Survey Name	West Sussex Potential SNCI Project - (397)	
Survey Author	FINCH, Marion, CLARK, Louise	
Survey Comment	A survey of potential SNCIs to assess their significance. Incidental records of mammals, birds, butterflies and moths, and ferns/bryophytes/lichens were included. ONLY West Sussex covered in the survey. Where relevant, info. in EN/SSSI Files. NB: some sites listed below have since been designated, and are now named accordingly.	
Date	1990-3.92	
Site Name	Elmer (Land NW of) (pSNCI)	SU980010
Site Comment	Potential SNCI.	
Copies Available	WSCC, EN/SSSI/SCI	

Survey Name	West Sussex Potential SNCI Project - (397)	
Survey Author	FINCH, Marion, CLARK, Louise	
Survey Comment	A survey of potential SNCIs to assess their significance. Incidental records of mammals, birds, butterflies and moths, and ferns/bryophytes/lichens were included. ONLY West Sussex covered in the survey. Where relevant, info. in EN/SSSI Files. NB: some sites listed below have since been designated, and are now named accordingly.	
Date	1990-3.92	
Site Name	Ferry Road Fields & Ditches, Climping (pSNCI)	TQ018014
Site Comment	Potential SNCI. Most of the ditches in this area were dry and of little interest. Includes part of SNCI Ar06, and of SSSI Climping Beach.	
Copies Available	WSCC, EN/SSSI/SCI	

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ARUN DISTRICT COUNCIL F/19/16/EIS

Survey Name	West Sussex Potential SNCI Project - (397)	
Survey Author	FINCH, Marion, CLARK, Louise	
Survey Comment	A survey of potential SNCIs to assess their significance. Incidental records of mammals, birds, butterflies and moths, and ferns/bryophytes/lichens were included. ONLY West Sussex covered in the survey. Where relevant, info. in EN/SSSI Files. NB: some sites listed below have since been designated, and are now named accordingly.	
Date	1990-3.92	
Site Name	River Arun Banks & Ditches, Climping (pSNCI)	TQ010025
Site Comment	Potential SNCI. Includes a stretch of the River Arun; the fields and ditches immediately adjacent to the west bank and two areas each side of the road bridge. It includes arable and semi-improved grassland, ditches, the River Arun and its banks and some areas of reed-bed.	
Copies Available	WSCC, EN/SSSI/SCI	

Survey Name	West Sussex Potential SNCI Project - (397)	
Survey Author	FINCH, Marion, CLARK, Louise	
Survey Comment	A survey of potential SNCIs to assess their significance. Incidental records of mammals, birds, butterflies and moths, and ferns/bryophytes/lichens were included. ONLY West Sussex covered in the survey. Where relevant, info. in EN/SSSI Files. NB: some sites listed below have since been designated, and are now named accordingly.	
Date	1990-3.92	
Site Name	Littlehampton Junction Water Meadows (pSNCI)	TQ009035
Site Comment	Potential SNCI. The grazing meadows have been improved and the ditches were dry at the time of survey.	
Copies Available	WSCC, EN/SSSI/SCI	

Survey Name	Climping Gap Fungi and Mollusc Records - (513)	
Survey Author	GOODCHILD, Mike.	
Survey Comment	Information from all six sites compiled in one document which is simply a species list.The site was visited once in both Nov 1990 and Oct 1993. Lower River Valley Survey No.8.	
Date	11.90,10.93	
Site Name	The Mill/Mill House (Footpath E of), Climping	TQ017013
Site Comment	Very small area of footpath by The Mill at the western end of Littlehampton Golf Course.	
Copies Available	EN, WSCC	

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Survey Name	Climping Gap Fungi and Mollusc Records - (513)	
Survey Author	GOODCHILD, Mike.	
Survey Comment	Information from all six sites compiled in one document which is simply a species list.The site was visited once in both Nov 1990 and Oct 1993. Lower River Valley Survey No.8.	
Date	11.90,10.93	
Site Name	Long Wood, Climping	TQ015013
Site Comment	Very small area of woodland just west of Littlehampton Golf Course.	
Copies Available	EN, WSCC	

Survey Name	Pre-Dredging Survey of Little Tortington Stream - (523)	
Survey Author	TITTERINGTON, Helen	
Survey Comment	A standard river corridor survey of bankside and channel vegetation including recommendations for dredging to minimise habitat damage. Contains photos of the stream. Lower River Valley Survey No.41. (Phase I/II)	
Date	27.7.92	
Site Name	Little Tortington Stream & Banks	SU990045
Site Comment	A small stream (2km long) flowing with steep sides and tends towards prolific plant growth - maybe because of high nutrient input.	
Copies Available	EA	

Survey Name	Birds of Estuarine Enquiry - (654)	
Survey Author	Various	
Survey Comment	A summary of the results of surveys, combined with WWT's wintering waterfowl counts, are published annually in 'Wildfowl and Wader Counts'. Information on sites can be obtained via the above contact. BTO covers estuaries and sites are counted each month in the winter for waders.	
Date	NOV-MARCH	
Site Name	Beach & Intertidal Zone, River Arun to Middleton-on-Sea	TQ010010
Site Comment		
Copies Available	As contact	

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Survey Name	Climping Farmland - Nature Conservation Interest - (689)	
Survey Author	GRIFFITHS, Ann	
Survey Comment	Outline information only. No detailed species lists. Site was subject to an application for "tipping" which would damage nature conservation interests. (Phase I)	
Date	10.84; 1989	
Site Name	Climping Farmland (Fields E of Church Farm, Ford)	TQ010024
Site Comment	An area of fields and ditches. Redshank and Lapwing breed.	
Copies Available	WSCC	

Survey Name	Potential Key Dragonfly Sites - West Sussex - (838)	
Survey Author	WELSTEAD, A. R., WELSTEAD, N. I.	
Survey Comment	A table summarising the last year that each species was seen on each site. Abstracted from Biological Records Centre at Monks Wood.	
Date	1970-1988	
Site Name	Ford Camp/Road Dragonfly Site	TQ002045
Site Comment		
Copies Available	SxBRC Digital, WSCC	

Survey Name	Bailiffscourt Golf Project, Climping - (856)	
Survey Author	ENVIRONMENTAL GOLF SERVICES	
Survey Comment	A habitat description with some details of the plant species, that evaluates the nature conservation of the area. (Phase I)	
Date	1990	
Site Name	Climping/Clymping Gap	TQ007014
Site Comment	This site includes the whole of Climping Beach SSSI, & SNCI Ar06, and LNR Site	
Copies Available	SxBRC Digital	

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Survey Name	Sussex Churchyard Survey - (916)	
Survey Author	DONOVAN, Pat	
Survey Comment	Botanical survey of most of the churchyards in Sussex. The majority will have just a species list, but the ones with ecological significance have more detail. (Phase II). NB: Results held at SxBRC for some of sites covered (with details for each site filed according to grid squares), including ESD site nos. 841[TQ33], 1370 [TQ32], 4470 [TQ32], 4341 [SU90]., 4382 [TQ01]. [SxBRC also holds documents in BRC box H2b].	
Date	1980-	
Site Name	St Mary's Churchyard, Yapton	SU982035
Site Comment	120 species were recorded	
Copies Available	As contact, SxBRC File Cabs, SxBRC Boxes	

Survey Name	Sussex Churchyard Survey - (916)	
Survey Author	DONOVAN, Pat	
Survey Comment	Botanical survey of most of the churchyards in Sussex. The majority will have just a species list, but the ones with ecological significance have more detail. (Phase II). NB: Results held at SxBRC for some of sites covered (with details for each site filed according to grid squares), including ESD site nos. 841[TQ33], 1370 [TQ32], 4470 [TQ32], 4341 [SU90]., 4382 [TQ01]. [SxBRC also holds documents in BRC box H2b].	
Date	1980-	
Site Name	St Mary's Churchyard, Climping	TQ003026
Site Comment		
Copies Available	As contact, SxBRC File Cabs, SxBRC Boxes	

Survey Name	Sussex Churchyard Survey - (916)	
Survey Author	DONOVAN, Pat	
Survey Comment	Botanical survey of most of the churchyards in Sussex. The majority will have just a species list, but the ones with ecological significance have more detail. (Phase II). NB: Results held at SxBRC for some of sites covered (with details for each site filed according to grid squares), including ESD site nos. 841[TQ33], 1370 [TQ32], 4470 [TQ32], 4341 [SU90]., 4382 [TQ01]. [SxBRC also holds documents in BRC box H2b].	
Date	1980-	
Site Name	St Andrew's Churchyard, Ford	TQ003038
Site Comment		
Copies Available	As contact, SxBRC File Cabs, SxBRC Boxes	

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ARUN DISTRICT COUNCIL F/19/16/EIS

Survey Name	Ecological Appraisal of Sites in Arun District - (945)	
Survey Author	SPIERS, Tony, RYLAND, Kate	
Survey Comment	A habitat survey of Arun District was undertaken using aerial photographs. The more significant sites were then visited by a survey team and plant species indicated on a present/absent basis. (Phase II). [SxBRC copy held in S1 box].	
Date	1988	
Site Name	Brook Barn Farm Complex	TQ009040
Site Comment	Area consists of railway lines and banks; improved grassland; a few hedges; some wet grassland; reedbeds along the railway line and drainage dykes. Also consists of three separate areas of land.	
Copies Available	SxBRC Boxes, As contact	

Survey Name	Bognor and Littlehampton Terrestrial Ecology - (1084)	
Survey Author	SOUTHERN SCIENCE	
Survey Comment	A detailed survey with plant and some invertebrate species lists and interpretation as to the ecological value of each site.	
Date	5.96 - 7.96	
Site Name	Atherington Site (Fields W of Hobb's New Barn)	SU989014
Site Comment	Two arable fields with ditches. hedges along the southern boundary have ancient woodland indicator plants.	
Copies Available	SxBRC Digital	

Survey Name	Sussex Coastal Rifes, Reactive RCS Survey - (2112)	
Survey Author	ENVIRONMENT AGENCY	
Survey Comment	A Reactive River Corridor Survey of coastal rifes. Each waterway is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented. Management recomendations.	
Date	1996	
Site Name	Ryebank Rife, Map 1	SU975015
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

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ARUN DISTRICT COUNCIL F/19/18/EIS

Survey Name	Sussex Coastal Rifes, Reactive RCS Survey - (2112)	
Survey Author	ENVIRONMENT AGENCY	
Survey Comment	A Reactive River Corridor Survey of coastal rifes. Each waterway is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented. Management recomendations.	
Date	1996	
Site Name	Ryebank Rife, Map 2	SU970017
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

Survey Name	Sussex Coastal Rifes, Reactive RCS Survey - (2112)	
Survey Author	ENVIRONMENT AGENCY	
Survey Comment	A Reactive River Corridor Survey of coastal rifes. Each waterway is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented. Management recomendations.	
Date	1996	
Site Name	Yapton Rife, Map 2	SU971034
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

Survey Name	Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES	
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.	
Date	Feb 1996	
Site Name	Yapton Rife, Drove Lane Farm, Section 6	SU973035
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

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ARUN DISTRICT COUNCIL F/19/18/EIS

Survey Name	Chichester Rifes Catchment RCS Survey (2113)	
Survey Author	LEE DONALD ASSOCIATES	
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.	
Date	Feb 1996	
Site Name	Ryebank Rife, Bisham Road, Section 5	SU975015
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

Survey Name	Chichester Rifes Catchment RCS Survey (2113)	
Survey Author	LEE DONALD ASSOCIATES	
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.	
Date	Feb 1996	
Site Name	Ryebank Rife, Grevatt's Lane, Section 6	SU976015
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

Survey Name	Chichester Rifes Catchment RCS Survey (2113)	
Survey Author	LEE DONALD ASSOCIATES	
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.	
Date	Feb 1996	
Site Name	Ryebank Rife, Section 7	SU982013
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

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ARUN DISTRICT COUNCIL F/19/18/EIS

Survey Name	Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES	
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.	
Date	Feb 1996	
Site Name	Ryebank Rife, Grevatt's Bridge	SU986013
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

Survey Name	Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES	
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.	
Date	Feb 1996	
Site Name	Elmer Rife, Cudlow Barn, Section 2	SU991010
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

Survey Name	Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES	
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.	
Date	Feb 1996	
Site Name	Elmer Rife, Poole Place, Section 3	SU988011
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.	
Copies Available	EA, SxBRC Archive	

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Survey Name	A Strategic and Reactive Audit River Corridor Survey, River Arun Catchment - (2115)	
Survey Author	ENVIRONMENT AGENCY	
Survey Comment	The catchment is split into 300 or 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.	
Date	1993	
Site Name	Churchfarm Ditch, Map 1	TQ005022
Site Comment	Pre-dredging Survey of stretch of river noting vegetation and profiles	
Copies Available	EA, SxBRC Archive	

Survey Name	A Strategic and Reactive Audit River Corridor Survey, River Arun Catchment - (2115)	
Survey Author	ENVIRONMENT AGENCY	
Survey Comment	The catchment is split into 300 or 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.	
Date	1993	
Site Name	Churchfarm Ditch, map 2	TQ008023
Site Comment	Pre-dredging Survey of stretch of river noting vegetation and profiles	
Copies Available	EA, SxBRC Archive	

Survey Name	Breeding Barn Owl Survey - Arun Valley, 1997 - (1241)	
Survey Author	ALLEN, Simon	
Survey Comment	The survey assesses the Arun Valley barn owl population for 1997 and records the location of recently erected barn owl boxes. (Phase II). [SxBRC copy held in G5 box].	
Date	1997	
Site Name	Arun Valley Barn Owl Box 5: Brook Barn Farm	TQ016043
Site Comment	Site for Barn Owl breeding box in Arun Valley Breeding Barn Owl Survey - in tree	
Copies Available	SxBRC Boxes	

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Survey Name	Survey of the Flora and Selected Invertebrate Groups of the Ditches of the Lower Arun Valley - (	
Survey Author	ALLEN, Simon, ABRAHAM, Frances	
Survey Comment	A survey of aquatic and riparian flora, Mollusca, Coleoptera (Beetles), Hemiptera (True Bugs), Heteroptera (Plant Bugs) of Lower Arun Valley. Part of the Arun Valley Countryside Project. [spp data extracted].	
Date	1997	
Site Name	Arun Valley: Tortington Brooks	TQ006048
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact, SxBRC Archive, WSCC	

Survey Name	Survey of the Flora and Selected Invertebrate Groups of the Ditches of the Lower Arun Valley - (	
Survey Author	ALLEN, Simon, ABRAHAM, Frances	
Survey Comment	A survey of aquatic and riparian flora, Mollusca, Coleoptera (Beetles), Hemiptera (True Bugs), Heteroptera (Plant Bugs) of Lower Arun Valley. Part of the Arun Valley Countryside Project. [spp data extracted].	
Date	1997	
Site Name	Arun Valley: Lyminster South	TQ015045
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact, SxBRC Archive, WSCC	

Survey Name	Survey of the Flora and Selected Invertebrate Groups of the Ditches of the Lower Arun Valley - (	
Survey Author	ALLEN, Simon, ABRAHAM, Frances	
Survey Comment	A survey of aquatic and riparian flora, Mollusca, Coleoptera (Beetles), Hemiptera (True Bugs), Heteroptera (Plant Bugs) of Lower Arun Valley. Part of the Arun Valley Countryside Project. [spp data extracted].	
Date	1997	
Site Name	Arun Valley: Wick Brooks	TQ010036
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact, SxBRC Archive, WSCC	

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ARUN DISTRICT COUNCIL F/19/18/EIS

Survey Name	Survey of the Flora and Selected Invertebrate Groups of the Ditches of the Lower Arun Valley - (	
Survey Author	ALLEN, Simon, ABRAHAM, Frances	
Survey Comment	A survey of aquatic and riparian flora, Mollusca, Coleoptera (Beetles), Hemiptera (True Bugs), Heteroptera (Plant Bugs) of Lower Arun Valley. Part of the Arun Valley Countryside Project. [spp data extracted].	
Date	1997	
Site Name	Arun Valley: Ford Brooks	TQ003035
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact, SxBRC Archive, WSCC	

Survey Name	Survey of the Flora and Selected Invertebrate Groups of the Ditches of the Lower Arun Valley - (	
Survey Author	ALLEN, Simon, ABRAHAM, Frances	
Survey Comment	A survey of aquatic and riparian flora, Mollusca, Coleoptera (Beetles), Hemiptera (True Bugs), Heteroptera (Plant Bugs) of Lower Arun Valley. Part of the Arun Valley Countryside Project. [spp data extracted].	
Date	1997	
Site Name	Arun Valley: Church Farm, Ford/Climping	TQ010025
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact, SxBRC Archive, WSCC	

Survey Name	Survey of the Flora and Selected Invertebrate Groups of the Ditches of the Lower Arun Valley - (	
Survey Author	ALLEN, Simon, ABRAHAM, Frances	
Survey Comment	A survey of aquatic and riparian flora, Mollusca, Coleoptera (Beetles), Hemiptera (True Bugs), Heteroptera (Plant Bugs) of Lower Arun Valley. Part of the Arun Valley Countryside Project. [spp data extracted].	
Date	1997	
Site Name	Arun Valley: Climping Gap East	TQ016015
Site Comment	Part of area covered by Arun Valley Countryside Project.	
Copies Available	As contact, SxBRC Archive, WSCC	

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ARUN DISTRICT COUNCIL F/19/18/EIS

Survey Name	Dragonflies of the Arun Valley - (1637)	
Survey Author	BELDEN, Phil.	
Survey Comment	Report compiled from recent years' survey returns by various individuals, and from occasional trips by the author. Results expressed mainly by tetrads (2km squares) to give a picture of species distributions. Includes habitat descriptions, species descriptions, conservation and conclusions.	
Date	7.89 - 10.95	
Site Name	Arun Valley: Tortington Brooks	TQ006048
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact	

Survey Name	Dragonflies of the Arun Valley - (1637)	
Survey Author	BELDEN, Phil.	
Survey Comment	Report compiled from recent years' survey returns by various individuals, and from occasional trips by the author. Results expressed mainly by tetrads (2km squares) to give a picture of species distributions. Includes habitat descriptions, species descriptions, conservation and conclusions.	
Date	7.89 - 10.95	
Site Name	Arun Valley: Lyminster South	TQ015045
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact	

Survey Name	Dragonflies of the Arun Valley - (1637)	
Survey Author	BELDEN, Phil.	
Survey Comment	Report compiled from recent years' survey returns by various individuals, and from occasional trips by the author. Results expressed mainly by tetrads (2km squares) to give a picture of species distributions. Includes habitat descriptions, species descriptions, conservation and conclusions.	
Date	7.89 - 10.95	
Site Name	Arun Valley: Wick Brooks	TQ010036
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact	

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Survey Name	Dragonflies of the Arun Valley - (1637)	
Survey Author	BELDEN, Phil.	
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Date	7.89 - 10.95	
Site Name	Arun Valley: Ford Brooks	TQ003035
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact	

Survey Name	Dragonflies of the Arun Valley - (1637)	
Survey Author	BELDEN, Phil.	
Survey Comment	Report compiled from recent years' survey returns by various individuals, and from occasional trips by the author. Results expressed mainly by tetrads (2km squares) to give a picture of species distributions. Includes habitat descriptions, species descriptions, conservation and conclusions.	
Date	7.89 - 10.95	
Site Name	Arun Valley: Church Farm, Ford/Climping	TQ010025
Site Comment	Part of Arun Valley Countryside Project.	
Copies Available	As contact	

Survey Name	Dragonflies of the Arun Valley - (1637)	
Survey Author	BELDEN, Phil.	
Survey Comment	Report compiled from recent years' survey returns by various individuals, and from occasional trips by the author. Results expressed mainly by tetrads (2km squares) to give a picture of species distributions. Includes habitat descriptions, species descriptions, conservation and conclusions.	
Date	7.89 - 10.95	
Site Name	Arun Valley: Climping Gap East	TQ016015
Site Comment	Part of area covered by Arun Valley Countryside Project.	
Copies Available	As contact	

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Survey Name	Report on the Bird Species Found on Winter Stubble at Church Farm, Climping/Clymping - (1642)	
Survey Author	SENNITT, M. V.	
Survey Comment	Interim report for Environment Agency. Bird species, numbers and locations recorded with discussion on species' use of stubble fields.	
Date	9.12.00 - 31.12.01	
Site Name	Church Farm (Fields E & SW of Sewage Works), Climping	TQ012031
Site Comment	Two stubble fields, part of Church Farm, separated by sewage farm on west bank of River Arun.	
Copies Available	SxBRC Digital, EA, As contact	

Survey Name	Peter J Hodge Coleoptera Records - (2143)	
Survey Author	HODGE, P. J.	
Survey Comment	Coleoptera records from a 7 year period. Lower River Valley Survey No 51.	
Date	various: 1973-80.	
Site Name	River Arun West Bank: A259 to Littlehampton Marina	TQ018022
Site Comment		
Copies Available	As contact	

Survey Name	Climping/Clymping Gap - Consultation Document 1989 - (2204)	
Survey Author	ARUN DISTRICT COUNCIL	
Survey Comment	Little biological information contained in report, but does include habitat descriptions. Other sections discuss planning policies, pressures on the area, landscape improvements etc.	
Date	n/a	
Site Name	Climping/Clymping Gap	TQ007014
Site Comment	This site includes the whole of Climping Beach SSSI, & SNCI Ar06, and LNR Site	
Copies Available	EN/SSSI/SCI	

Survey Name	Ford Materials Recycling Facility - Planning App & Env Statement - (2850)	
Survey Author	HELLER ECOLOGICAL SERVICES	
Survey Comment	A walkover ecological survey and review of existing data were commissioned by Viridor Waste Management, from Heller Ecological Services. Field studies were based on an extended Phase 1 Habitat Survey methodology. Flora & fauna spp lists are provided [spp data extracted].	
Date	04.09.03	
Site Name	Proposed Recycling Facility Site, Ford	SU996027
Site Comment	Proposed development site for a recycling facility.	
Copies Available	SxBRC Digital	

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Survey Name	The Flora of Merston to Poling Plain (AWJ Code L6) - (3247)	
Survey Author	JONES, A. W.	
Survey Comment	Habitats and frequency in each habitat area given for each species, and separate habitat lists given in descending order of plants and comments on habitats; also detailed tables showing spread over survey divisions of each plant for each habitat.	
Date	2003-2009	
Site Name	Merston to Poling (AWJ Code L6)	SU972029
Site Comment	Additional parishes include: Oving, Pagham, Bersted, Aldingbourne, Felpham, Eastergate, Barnham, Yapton, Middleton on Sea, Ford, Walberton, Lyminster, Poling, Littlehampton.	
Copies Available	As contact	

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Glossary of Abbreviations

Organisations:

BBCS	British Butterfly Conservation Society (now Butterfly Conservation)	www.sussex-butterflies.org.uk
BMONH	Booth Museum of Natural History	Tel: 03000 290900
BSBI	Botanical Society of the British Isles	www.bsbi.org.uk
BTO	British Trust for Ornithology	Tel: 01842 750050
EA	Environment Agency	Tel: 08708 506506 (Southern Regional Office)
EN	English Nature (now Natural England)	Tel: 03000 600 300 (Sussex Team)
ESCC	East Sussex County Council	Tel: 01273 481621 (County Ecologist)
FC	Forestry Commission	Tel: 01420 23337 (SE England)
FWAG	Farming and Wildlife Advisory Group	Tel: 01273 891190 (Sussex Area)
NCC	Nature Conservancy Council (now NE)	Contact NE
NE	Natural England	Tel: 03000 600 300 (Sussex Team)
NRA	National Rivers Authority (now EA)	Contact EA
NT	National Trust	Tel: 01372 453401 (South East Office)
RSPB	Royal Society for the Protection of Birds	Tel: 01273 775333 (SE Regional Office)
SBRS	Sussex Botanical Recording Society	www.sussexflora.org.uk
SOS	Sussex Ornithological Society	www.sos.org.uk
SxBRC	Sussex Biodiversity Record Centre	Tel: 01273 497521
SxWT/SWT	Sussex Wildlife Trust	Tel: 01273 492630
WSCC	West Sussex County Council	Tel: 01243 756691 (County Ecologist)

Designations

AONB	Area of Outstanding Natural Beauty
COGS	County Geological/Geomorphological Site
LNR	Local Nature Reserve
NNR	National Nature Reserve
NP	National Park
RAMSAR	RAMSAR (internationally important wetlands)
RIGS	Regionally Important Geological/Geomorphological Site
SAC	Special Area of Conservation
SNCI	Site of Nature Conservation Importance
SPA	Special Protection Area
SSSI	Site of Special Scientific Interest

Surveys:

Phase I	A broad habitat survey with a dominant species list and land use information.
Phase II	Mapping of vegetation communities with species lists and abundance/distribution.
Phase III	A detailed survey including ecological processes and long term monitoring information.
NVC	National Vegetation Classification.

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ARUN DISTRICT COUNCIL F/19/18/EIS

MAP CITATION SHEETS

Key National and International Site Designations

National Nature Reserve (NNR)

National Nature Reserves are statutory reserves established under the Wildlife and Countryside Act 1981. NNRs may be owned by the relevant national body (e.g. Natural England in England) or established by agreement. A few are owned and managed by non-statutory bodies, for example the Sussex Wildlife Trust. NNRs cover a selection of the most important sites for nature conservation in the UK. There are six NNRs in Sussex.

Special Area of Conservation (SAC)

Special Areas of Conservation are sites designated by Member States under the EC Habitats Directive. The aim is to establish a European network of important high quality conservation sites that will make a significant contribution to conserving habitats and species considered to be most in need of conservation at a European level. There are 12 SAC sites in Sussex.

Special Protection Area (SPA)

Special Protection Areas are designated under the EC Birds Directive, to conserve the habitat of certain rare or vulnerable birds and regularly occurring migratory birds. Any significant pollution or disturbance to or deterioration of these sites has to be avoided. All SPAs are also designated as SSSIs. There are six SPA sites in Sussex.

Ramsar

Ramsar sites are designated under the Convention on Wetlands of International Importance. Under the Convention, each government must select its best wetlands according to very clear criteria, which include: a wetland that regularly supports 20,000 or more waterbirds; a wetland that regularly supports 1% of the individuals in a population of one species or subspecies of waterbird. Wetlands are broadly defined to include marsh, fen, peatland and water. All designated Ramsar sites are also designated as SSSIs.There are four Ramsar sites in Sussex.

National Park

National Parks are beautiful, spectacular and often dramatic expanses of countryside. In the UK people live and work in the National Parks and the farms, villages and towns are protected along with the landscape and wildlife. They differ from Areas of Outstanding Natural Beauty (AONBs) in that each National Park has its own authority for planning control and other services.

The creation of the South Downs National Park (SDNP) was confirmed on 12th November 2009 and came into being on 1st April 2010.

Further information can be found on the SDNP Authority website.

Area of Outstanding Natural Beauty (AONB)

Areas of Outstanding Natural Beauty are areas of high scenic quality that have statutory protection in order to conserve and enhance the natural beauty of their landscapes. They differ from National Parks in their more limited opportunities for extensive outdoor recreation and by the way they are managed. AONBs are designated by Natural England under the Countryside and Rights of Way Act 2000.

There are two AONBs in Sussex covering approx. 114,000 hectares; Chichester Harbour and High Weald. Each has an associated body concerned with the area's conservation:

Chichester Harbour Conservancy www.conservancy.co.uk

High Weald AONB Unit www.highweald.org

Marine Conservation Zone (MCZ)

MCZs protect a range of nationally important marine wildlife, habitats, geology and geomorphology. In November 2013 27 MCZs were designated in English inshore and English and Welsh offshore waters in the first tranche of sites. Three of these sites were designated off Sussex; Kingmere, Beachy Head West and Pagham Harbour. More MCZs will be designated in future rounds or 'tranches', although it is uncertain how many.

Further information can be found on the JNCC website.

Local Nature Reserve (LNR)

Local Nature Reserves are for both people and wildlife. All district and county councils have powers to acquire, declare and manage LNRs. To qualify for LNR status, a site must be of importance for wildlife, geology, education or public enjoyment. Some are also SSSIs. There are 36 LNRs in Sussex.

Country Park

Country Parks were established as a result of the 1968 Countryside Act to provide a wide range of opportunities for recreation, health, education and improve the quality of life for local communities. Natural England recognises Country Parks as significant places that contribute to England's accessible natural green space. There are 11 Country Parks in Sussex, the details of which can be obtained from the local authorities.

Local Geological Site (LGS)

Previously known as Regionally Important Geological/Geomorphological Sites (RIGGS), LGS are non-statutory designations that have been identified by local geodiversity groups as being of importance. There are over 120 LGS in Sussex which have been assessed by the Sussex Geodiversity Partnership. The features identified as being important become a material consideration in any future development, and should be taken into account by the relevant local authority.

A selection of LGS with public access in Sussex can be viewed on the Sussex Geodiversity Partnership's website.

Marine Site of Nature Conservation Importance (MSNCI)

Marine Sites of Nature Conservation Importance are non-statutory sites identified on account of the special interest of their marine habitats, the fauna and flora, or for unusual geological and geomorphological features. They are an extension of the series of terrestrial SNCIs. The identification of these sites is to highlight their importance for marine wildlife and to emphasise the risks of certain operations damaging their interest. There are 23 MSNCIs off the Sussex coast.

Environmental Stewardship

Environmental Stewardship is an agri-environment scheme managed by Natural England that provides funding to farmers and other land managers to deliver effective environmental management.

There are four elements to Environmental Stewardship, three of which are relevant in Sussex:

Entry Level Stewardship (ELS) goes beyond the Single Payment Scheme requirement to maintain land in good agricultural and environmental condition.

Organic Entry Level Stewardship (OELS) is the organic strand of ELS. It is geared to organic and organic/conventional mixed farming systems and is open to all farmers not receiving Organic Farming Scheme aid.

Higher Level Stewardship (HLS) involves more complex types of management where agreements are tailored to local circumstances.

Further information can be found on the Natural England website.

Further information on many of the designations listed above can be found on the Natural England website.

Ancient & Veteran Trees

Ancient trees form a vital part of our landscape, heritage and biodiversity. They are scattered through most parts of the UK landscape where they are found in exceptionally large numbers compared with north east Europe. Ancient trees can be most easily found in the vestiges of the once extensive Royal Hunting Forests, such as Ashdown Forest, and medieval parks. Others occur in historic parkland, landscaped gardens, woodland, wood pasture and ancient wooded commons. There are also small groups and individual trees scattered around housing estates, urban parks, village greens and churchyards. Some ancient trees are found on farmland, usually in hedgerows or old boundary features.

In Sussex, some of the largest recorded girths belong to: the Queen Elizabeth oak of 12.67m at Cowdray Park, a yew of 8.5m in Wilmington churchyard, a beech of 8.4m on Ashdown Forest; and a sweet chestnut of 7.2m at Herstmonceux Castle.

There are different definitions for mature trees, depending mainly on their stage of life:

Ancient trees. Biologically, aesthetically or culturally interesting because of their great age; In ancient or post-mature stage of life; Have a large girth relative to others of the same species.

Veteran trees. Usually in the second or mature stage of life; Have important wildlife and habitat features including hollowing or associated decay fungi, holes, wounds and large dead branches.

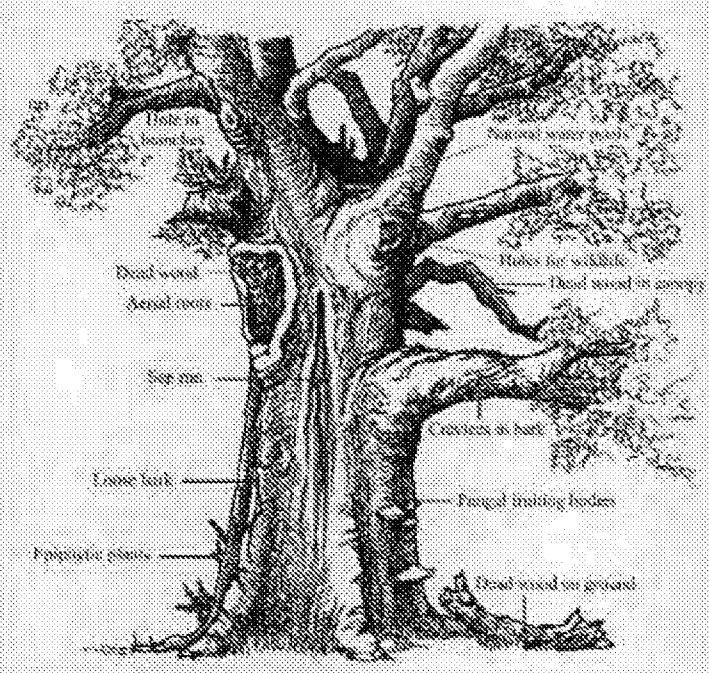
Notable trees. Locally important or of significance to the community; Specimen trees or considered to be the potential next generation of veteran trees.

Ancient tree ecology

Ancient trees are unique as a wildlife habitat because of the exceptionally species-rich communities associated with wood decay and the bare surfaces of trunks, bough and roots. Clusters of ancient trees are even more important because together they offer a wide range of niche homes for many specialist species in one small area.

Approximately 1,700 (6%) invertebrate species in the British Isles are dependent on decaying wood to complete their life cycles. Species associated with decaying wood include: rare click beetles such as the violet click beetle *Limoniscus violaceus*; the wasp mimic cranefly *Ctenophora flaveolata* and the oak longhorn beetle *Rhagium mordax*. The black-headed cardinal beetle *Pyrochroa coccinea* is an insect associated with veteran trees and old growth woodland.

Old trees with splits, cracks, loose bark, holes and crevices are especially attractive to bats and in particular to woodland specialists such as the rare Barbastelle and Bechstein's bat.



Characteristic features of a veteran tree

Source: Veteran Trees: A guide to good management, Natural England, 2000.

The Ancient Tree Hunt

The Ancient Tree Hunt is a nationwide search to map all of the old trees in the UK in order to plan for their active conservation. This project, led by the Woodland Trust in partnership with the Ancient Tree Forum and Tree Register of the British Isles, was launched in 2007.

Most of the trees recorded can be viewed on their website: www.ancient-tree-hunt.org.uk

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Ancient Woodland



Bluebell

Ancient woodland is defined by Natural England as an area that has had a continuous woodland cover since at least 1600 AD.

Sussex is one of the most wooded parts of lowland Britain with ancient woodland covering approximately 39,000ha (10%) of the county. Bluebell woods associated with coppicing, open wood pasture associated with deer parks and the small Wealden woods in ghyll valleys are a key part of Sussex's distinctive and varied landscape.

The habitat can be split into two broad categories:-

Ancient semi-natural woodland - is composed predominantly of trees and shrubs native to the site that do not obviously originate from planting. However, woodlands with small planting of trees native to the site would still be included in this category. The stands may have been managed by coppicing or pollarding in the past or the tree and shrub layer may have grown up by natural regeneration.

Plantations on ancient woodland sites - are areas of ancient woodland where the former native tree cover has been felled and replaced by planted trees, predominantly of species not native to the site. These will include conifers such as Norway spruce or Corsican pine, and also non-native broadleaves such as sweet chestnut. These sites often retain some ancient woodland features such as soils, ground flora, fungi, and woodland archaeology and as such they can respond well to restoration management.

The importance of ancient woodland

Ancient woodland is of prime ecological and landscape importance, providing a vital part of a rich and diverse countryside. In particular, ancient woodland:

- is exceptionally rich in wildlife, and supports many rare and threatened species
- may contain surviving descendants and features from the original natural forests
- acts as reservoirs from which wildlife can spread into new woodlands
- has valuable soils due to their undisturbed nature
- is an integral part of England's historic landscapes and the biological and visual functioning of a landscape
- contains a wealth of features of historical and archaeological importance little altered by modern cultivation or disturbance.

Ancient Woodland Inventory

The Ancient Woodland Inventory was set up in 1981 by the Nature Conservancy Council (now Natural England). It originally only included sites over two hectares in size. Advances in digital mapping techniques mean it is now possible to map woodlands under two hectares with greater accuracy. This has led to a revision of the Ancient Woodland Inventory within the South East. The surveys for the revision of the inventory for Sussex were completed in 2010 and have been adopted by Natural England. However, the inventory will always be classed as "provisional" because it is reviewed and updated as new information comes to light.

Further information about the Ancient Woodland Inventory can be found on the Natural England website.

(Illustration courtesy of Natural England.)

Coastal & Floodplain Grazing Marsh


Lapwing

Grazing marsh is periodically inundated pasture, or meadow with ditches that maintain the water levels, containing standing brackish or fresh water. Sites may contain seasonal water-filled hollows and permanent ponds with emergent swamp communities.

Why is it important?

- Wading birds such as redshank feed on invertebrates forced close to the surface by the high water table and shallow surface floods.
- Around 500 species of vascular plant have been recorded from grazing marsh including rare species such as narrow-leaved water-dropwort.
- It supports large numbers of invertebrates including over a thousand nationally notable species.
- Drainage channels and open water associated with grazing marsh support a number of fish species and can provide important spawning areas.
- Water filled ditches are often used by otter, water vole, and various dragonflies.

Coastal and floodplain grazing marsh in Sussex

Sussex has around 14,000 hectares of grazing marsh, with the rivers Arun, Adur, Ouse and Cuckmere all having important areas. Just under half of Sussex's floodplains consist of wet grassland, however much of this has been agriculturally improved decreasing its value for wildlife. Pevensey Levels is one of only three sites in Britain where the large fen raft spider is found, and two rare species of ramshorn snail can also be found in Sussex.

What are the threats?

- Conversion to agriculture through drainage and fertilizer application.
- Drainage and flood defences can disrupt the hydrology of sites.
- Overgrazing, neglect or early grazing, can affect breeding birds.
- Water pollution, which can be exacerbated if concentrated by over-abstraction.
- Floodplain development, aggregate extraction and recreational pressure.
- Isolation and fragmentation of sites reduces dispersal opportunities making species more susceptible to extinction.

Some associated species

- Lapwing *Vanellus vanellus*
- Merlin *Falco columbarius*
- Marsh mallow moth *Hydraecia osseola*
- Desmoulin's whorl snail *Vertigo moulinsiana*
- Greater water parsnip *Sium latifolium*
- Star sedge *Carex echinata*

Further information

- Floodplain Meadows Partnership: www.floodplainmeadows.org.uk
- Sussex Wetland Landscapes Project: www.sussexotters.org

(Illustration courtesy of Natural England.)

Coastal Saltmarsh

Coastal saltmarshes lie at the top of the intertidal zone on fine sediments. The vegetation here is adapted to regular immersion by the tide.



Sea aster

Why is it important?

- Saltmarshes are an important resource for breeding and wintering wading birds and wildfowl.
- They provide sheltered nursery sites for several species of fish.
- Areas with high structural and plant diversity are particularly important for invertebrates.

Coastal saltmarsh in Sussex

The majority of saltmarsh in Sussex is found in Chichester Harbour, and smaller amounts in Pagham and Rye Harbours. Sussex's saltmarshes support a number of nationally scarce plants including sea barley and golden samphire.

What are the threats?

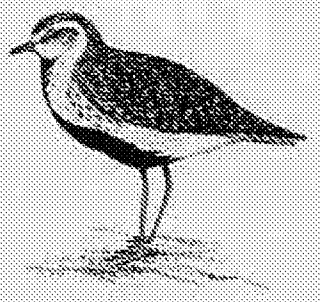
- "Coastal squeeze" resulting from coastal development, erosion and coastal defences, restricts the ability of saltmarsh habitat to move.
- Disruption of natural coastal processes as a result of coastal protection work, dredging or coastal defences can affect natural sediment systems.
- Non-native species such as cord grass.

Some associated species

- Twite *Carduelis flavirostris*
- Bass *Dicentrarchus labrax*
- Starwort moth *Cucullia asteris*
- Shore crab *Carcinus maenas*
- Common saltmarsh grass *Puccinellia maritima*
- Sea aster *Aster tripolium*

(Illustration courtesy of Natural England.)

Intertidal Mudflat



Golden plover

Mudflats are sedimentary intertidal habitats created by deposition in low energy coastal environments particularly estuaries and other sheltered areas.

Why are they important?

- Mudflats are part of a habitat sequence between open water and saltmarsh, and have an important role in reducing the impact of waves upon saltmarshes, damage to coastal defences and flooding of low-lying land.
- A wide range of invertebrates is supported including molluscs, annelids and lugworms.
- Mudflats are highly productive, making them important feeding areas for birds. They support internationally important populations of migrant and wintering waders.
- Due to their sheltered nature mudflats are important areas for fish, in particular flatfish, which use them as nursery areas.

Intertidal mudflats in Sussex

Sussex has just over 1,100 hectares of intertidal mudflats. Much of this occurs in a mosaic with saltmarsh and seagrass beds.

What are the threats?

- Sea level rise is expected to result in the loss of up to 10,000 hectares of intertidal mudflat by 2013, with much of this in southern England.
- Land claim for development, and industry including hard flood defences.
- Pollution from agricultural, industrial and urban sources.
- Human disturbance from fishing and bait digging can have adverse impacts.
- Introduction of invasive species such as cord grass.

Some associated species

- Golden plover *Pluvialis apricaria*
- Atlantic salmon *Salmo salar*
- Lugworm *Arenicola marina*
- Mud shrimp *Corophium volutator*
- Glasswort *Salicornia europaea*
- Spiral wrack *Fucus spiralis*

(Illustrations courtesy of Natural England.)

Lowland Fen



Water shrew

Lowland fens are permanently waterlogged wetlands which receive water and nutrients from soil, rock and groundwater as well as rainfall.

Why are they important?

- Lowland fen has declined dramatically and the UK has a large proportion on the European resource.
- They have a mosaic of plant communities and some fens contain up to 550 species of higher plants.
- Lowland fen is important for invertebrates including aquatic beetles and dragonflies.

Lowland fens in Sussex

Current estimates put the total hectarage of fen in Sussex at under 100 hecatres. It is often found alongside other wetland habitats such as marshy grassland and carr woodland.

What are the threats?

- Drainage and conversion to intensive agriculture.
- Lack of management resulting in succession to scrub and woodland.
- Changes to hydrology resulting from excessive water abstraction and development.
- Isolation and fragmentation.
- Nutrient enrichment which can affect species composition.

Some associated species

- Water shrew *Neomys fodiens*
- Reed bunting *Emberiza schoenicius*
- Fen wainscot *Arenostola phragmitidis*
- Scarce chaser *Libellula fulva*
- Sphagnum moss *Sphagnum* spp.
- Gypsywort *Lycopus europaeus*

(Illustrations courtesy of Natural England.)

Reedbed



Bittern

Reedbeds are wetlands dominated by stands of common reed where the water table is at or above ground level for most of the year. They tend to incorporate open water and ditches, and areas of wet grassland and carr woodland may also be associated with them.

Why are they important?

- They provide important breeding and roosting habitat for birds including rare species such as bearded tit and Cetti's warbler.
- A number of invertebrates are recorded from reedbeds including moths, snails and beetles. Many of the species found are now uncommon.
- Reedbeds provide a refuge for shoals of fish, which in turn provide food for other species.

Reedbeds in Sussex

The majority of reedbeds in Sussex are less than five hectares in size. The largest reedbed in Sussex is at Filsham, which is around 17 hectares.

What are the threats?

- Drainage for farming and development, and over-abstraction of water.
- Water pollution can cause a loss of diversity and dominance by a few species.
- Flood defence measures can contribute to loss of reedbeds.
- A lack of management.

Some associated species

- Bittern *Botaurus stellaris*
- Grass snake *Natrix natrix*
- Swollen spire snail *Mercurio confusa*
- Flame wainscot *Mythimna flammea*
- Common reed *Phragmites australis*
- Reed sweet-grass *Glyceria maxima*

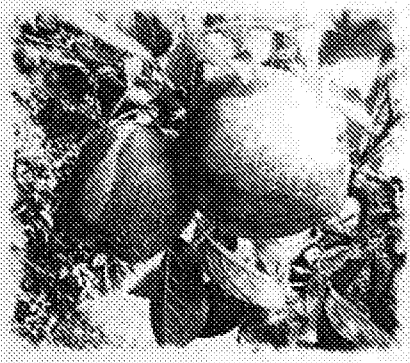
Further information

- Sussex Wetland Landscapes Project: www.sussexotters.org

(Illustration courtesy of Natural England.)

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Traditional Orchards



Traditional orchards are areas of land on which a range of fruit and nut trees are cultivated that are managed in a low intensity way. Permanent grassland beneath the trees was traditionally grazed by livestock.

Why are they important?

- The mosaic of habitats such as hedgerows, dead wood and fruit trees make traditional orchards important for a wide range of species.
- Traditional orchards provide a the conditions needed for many bryophytes and lichens.
- Holes and crevices in old trees provide habitat for bats and nest sites for birds such as redstart and bullfinch.
- Dead and decaying wood makes traditional orchards hugely important for invertebrates, lichens and fungi.

Traditional orchards in Sussex

The traditional orchards inventory* lists over 900 sites in Sussex covering an area of approximately 300 hectares. It is estimated that around half of these orchards are currently in a poor condition.

What are the threats?

- Changes in farming policy and markets has led to a decline in income from traditional orchard produce.
- A decline in the skills and knowledge to manage traditional orchards can lead to neglect.
- Loss of orchards can occur as fruit trees dying of old age are not replaced.
- Lack of protection under the current planning system.

Some associated species

- Lesser spotted woodpecker *Picoides minor*
- Noctule *Nyctalus noctula*
- Lichen running-spider *Philodromus margaritatus*
- Noble chafer *Gnorimus nobilis*
- Mistletoe *Viscum album*
- A lichen *Ramonia chrysophaea*

**** The Traditional Orchard Inventory for England***

The traditional orchard data used in Sussex Biodiversity Record Centre reports are the result of a project run by the People's Trust for Endangered Species (PTES) on behalf of Natural England. The resulting inventory is based on combining exisiting survey data with aerial photograph interpretation, together with ground-truthing survey work by local volunteers. The inventory is provisional, and is still being refined and updated as new data becomes available. The project was completed in March 2011.

For the purpose of the inventory, traditional orchards are defined as sites where at least five fruit trees must be present with no more than 20m between their crown edges.

Further information

Orchard Network: www.orchardnetwork.org.uk

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Sussex Biodiversity Record Centre
Woods Mill
Henfield
West Sussex
BN5 9SD

Tel: 01273 497521

Email: info@sxbrc.org.uk
Website: www.sxbrc.org.uk

The Sussex Biodiversity Record Centre is managed by the Sussex Wildlife Trust as a partnership project.
A list of our current funding partners can be found on our website: www.sxbrc.org.uk/about/partners

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Appendix 3: Target notes for Phase 1 habitat plan

Target note (TN)	Description of target note feature
1	Species-poor hedgerow dominated by hawthorn with horse chestnut and common lime towards western end. Field margin includes locally frequent wild oat, cleavers and false oat-grass, with frequent stinging nettle and black grass with occasional creeping thistle, ground ivy (*Glechoma hederacea*) and ivy.
2	Species-rich hedgerow including locally frequent hawthorn, blackthorn, dogwood and elm and occasional or rare honeysuckle, privet, ivy, ash, spindle and elder.
3	**Old aircraft hanger with potential to be used by roosting bats and/or barn owl.** Grassland strip at rear of hanger includes abundant false oat-grass, Yorkshire fog, creeping thistle and stinging nettle. A single orchid spike was recorded in the grassland.
4	Species-poor hedge dominated by hawthorn with frequent field maple and rare ash, blackthorn and white willow. Field margin includes abundant field bindweed and false oat-grass with occasional common couch, hogweed, white dead nettle (*Lamium album*), bristly ox-tongue, cow parsley and common mallow.
5	**Habitat appears suitable for common reptiles.** Area of unmanaged grassland with stands of creeping thistle. Species recorded from this area include frequent or locally frequent Yorkshire fog, false oat-grass, creeping thistle, common ragwort, creeping bent and broad-leaved dock. Rare or occasional species include silverweed, selfheal, ribwort plantain, creeping buttercup, teasel, black medick and forget-me-not sp.
6	Line of scrub along boundary containing elder, bramble, blackthorn, willow and alder.
7	**Mature trees may have limited potential to support bat roosts.** Mature trees and patches of scrub along boundary with Ford Lane. Species present include ash, sycamore and pedunculate oak with elder, bramble, blackthorn, ivy and dogwood. Other species recorded include white bryony, rosebay willowherb, hogweed, red campion and spear thistle.
8	Area of recently mown grassland. Species recorded include silverweed, common centaury, scentless mayweed, annual meadow-grass, common mouse-ear, white clover, yarrow, Yorkshire fog and curled dock.
9	**Mature trees may have potential to support bat roosts.** Line of mature trees with understorey shrubs. Trees

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	include locally frequent aspen and white poplar with occasional sycamore, ash, silver birch, common lime, cherry, Norway maple (*Acer platanoides*) whitebeam, hawthorn and blackthorn.
10	**Habitat appears suitable for common reptiles.** Area of unmanaged grassland and scattered scrub mainly hawthorn and oak and Prunus. Grassland species recorded include dominant false oat-grass, with frequent or locally frequent ribwort plantain, common ragwort, common fleabane, field bindweed, smooth tare and creeping cinquefoil. Rare or occasional species recorded include tufted vetch, silverweed, daisy, ox-eye daisy, hoary willowherb, agrimony and perforate St John's-wort.
11	Line of trees and shrubs. Species recorded include aspen, holly, cherry, sweet chestnut, osier (*Salix viminalis*), white poplar, field maple, blackthorn, sycamore, rowan, cockspur thorn and common lime.
12	Area of ruderal vegetation along boundary with Rudford Industrial Estate dominated by thistles, docks and rosebay willowherb.
13	Stand of dense scrub containing hawthorn, elder and Japanese rose.
14	Leylandii hedge.
15	Broad-leaved plantation bordering former runway. Species recorded include frequent field maple, alder, hornbeam and rowan, dense stands of bramble and occasional cherry and ash.
16	Native planting along boundary of Ford MRF. Species recorded include frequent hawthorn, field maple and blackthorn and hazel.
17	Broad-leaved plantation bordering former runway dominated by field maple with frequent silver birch, hybrid black-poplar and occasional alder, rowan, and ash. Ground flora predominantly false oat-grass, cow parsley and stinging nettle with rare or occasional common fleabane, cleavers and creeping thistle.
18	Strip of uncultivated land adjacent to access track to Ford MRF. Species recorded include locally dominant ribwort plantain, creeping thistle, frequent common ragwort, smooth tare, Yorkshire fog and white clover with occasional mugwort, spear thistle, black medick, soft brome, spear thistle, hoary willowherb and perforate St John's-wort.
19	Broad-leaved plantation bordering boundary with Ford open prison. Species recorded include hybrid black-poplar, elder, rowan, whitebeam, hornbeam, ash, sycamore, Italian alder and alder with occasional traveller's-joy.
20	**Common lizard recorded in this stand of grassland.** Area of unmanaged grassland species recorded include

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	abundant ribwort plantain, Yorkshire fog and common ragwort with frequent or locally frequent yarrow, white clover, bush vetch, false oat-grass and creeping thistle and rare hedge bedstraw, black knapweed and selfheal.
21	Broad-leaved plantation. A line of hybrid black-poplar along access track backed by native planting including abundant field maple, frequent hornbeam and occasional silver birch, ash, hawthorn and rowan.
22	Line of Leylandii bordering field.
23	Recently cleared section of drainage channel. Species recorded along base of channel include frequent or locally frequent creeping buttercup, scarlet pimpernel, prickly sow-thistle, creeping thistle and common fleabane with occasional great willowherb, smooth sow-thistle, redshank, greater plantain (*Plantago major*) and daisy. Species recorded along the banks include abundant Yorkshire fog and bramble; locally frequent stinging nettle, selfheal and creeping thistle with occasional or rare yarrow, daisy, ox-eye daisy, great willowherb, common bird's-foot trefoil and common centaury.
24	Dense stand of goat willow and locally abundant bramble and occasional or rare alder, guelder rose, dogwood, hazel and ash. Abundant or frequent bankside species include rosebay willowherb, false oat-grass, Yorkshire fog and creeping thistle.
25	Well-developed area of buddleja with dense stands of bramble. Bankside species recorded include abundant or locally abundant Yorkshire fog and false oat-grass; frequent creeping thistle, rosebay willowherb, common centaury, common fleabane and white clover. Rare or occasional species include black knapweed, hogweed, red clover, common birds-foot trefoil and perforate St John's-wort.
26	Dense stand of goat willow.
27	Line of hybrid black poplar along edge of access track. Species recorded along inner field margin include abundant or locally abundant false oat-grass, cow parsley, cleavers and stinging nettle. Frequent species include bristly ox-tongue, cock's-foot, hogweed, black grass and perennial sow-thistle.
28	Broad-leaved plantation dominated by aspen with occasional silver birch, ash and oak. Ground flora dominated by hogweed with abundant cleavers and cow parsley and occasional wood dock.
29	Mixed plantation bordering Rodney Crescent. Species recorded include locally abundant aspen and conifer (Leylandii or Lawson cypress), frequent silver birch with occasional ash, alder, hawthorn, cherry and blackthorn.
30	**Large pine with bat roost potential.**
31	**Tree has bat roost potential.**

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	Large pine covered with Russian vine.
32	**Some trees have potential to support bat roosts.** Line of native broad-leaves along field boundary dominated by poplar with frequent sycamore. Understorey dominated by elm with locally frequent sycamore and bramble.
33	**Bank could potentially provide sett site for badger.** Scrub along substantial earth bank. Scattered hawthorn forms linear feature along top of bank with occasional buddleja and elder. Other species recorded include abundant spear thistle and stinging nettle with locally frequent bristly ox-tongue and hogweed with occasional weld, hedge bindweed, great burdock and common ragwort.
34	Area dominated by ruderal species including creeping thistle, hogweed and bristly ox-tongue.
35	Area of native planting within boundary of sewage works. Species recorded along field margin include abundant Yorkshire fog, frequent or locally frequent false oat-grass, common ragwort, bramble and great willowherb with occasional ivy, creeping thistle, common poppy, square-stemmed willowherb and spear thistle.
36	Recently mown hay field. Species recorded from the unmown margins include occasional common centaury, black knapweed, hoary willowherb, selfheal and with frequent white clover, red fescue (*Festuca rubra*) and perennial rye-grass.
37	Broad-leaved plantation. Species recorded include dominant aspen and hazel with frequent ash and occasional pedunculate oak, bird cherry, silver birch, hawthorn and blackthorn. Heavy shading limits ground flora with hogweed and creeping buttercup recorded.
38	Low earth bank along edge of hay field. Species recorded include abundant bristly ox-tongue, locally frequent or frequent common poppy, scentless mayweed, yarrow, hogweed, soft brome and wild oat and occasional field bindweed, great willowherb and ribwort plantain.
39	Leylandii hedge along boundary of compound. Species recorded along interior of field include locally abundant creeping thistle, ivy and cleavers, locally frequent common couch, barren brome, wild oat and garlic mustard (*Alliaria petiolata*) and occasional or rare common mallow, cow parsley, spear thistle, common chickweed, wall barley and hedge mustard.
40	**Building with potential to be used by roosting bats.** Small brick building, semi sunken.
41	**Mature trees may have limited potential to support bat roosts.** Small area of semi-natural woodland. Tree species recorded include common lime, hybrid black poplar, ash,

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	sycamore, horse chestnut and hornbeam with privet, hawthorn, elder and blackthorn understorey. Large areas of bare ground beneath canopy with stinging nettle, ivy and lords and ladies.
42	**Hedgerow trees with potential to support roosting bats.** Species recorded from hedgerow includes abundant beech, occasional crack willow, laurel, ash and sycamore and rare whitebeam. Species recorded along field margin include locally abundant cow parsley, locally frequent stinging nettle, perennial rye-grass, cock's-foot and false oat-grass with occasional yarrow, field bindweed, ivy, creeping thistle, ground ivy, cleavers, hogweed, ribwort plantain and charlock.
43	Area of planting associated with compound on site boundary. Species include locally abundant beech and locally frequent laurel with occasional ash, silver birch, hybrid black poplar, sycamore and horse chestnut.
44	Short length of Leylandii hedge. Species along field margin include frequent hemlock, cleavers, barren brome, spear thistle and creeping thistle.
45	Low earth bank adjacent to industrial unit. Species recorded include abundant creeping thistle, locally frequent common couch, creeping bent, common poppy, stinging nettle, wall barley and charlock with occasional swine-cress, mugwort and redshank with rare field pansy, scarlet pimpernel, ribwort plantain and prickly lettuce.
46	Length of native hedgerow probably relatively recently planted. Species recorded include frequent blackthorn, field maple, spindle, hawthorn and dogwood with occasional hazel and ash. Field margins include locally frequent wild oat, false oat-grass, barren brome and black grass with occasional hogweed, common ragwort, mugwort, yarrow and red campion.
47	Short length of native hedgerow probably of relatively recent origin. Species include abundant hawthorn, frequent field maple and spindle and rare blackthorn. Field margin species include dominant false oat-grass, locally frequent bristly ox-tongue, hogweed, common ragwort and common mallow.
48	**Trees with low bat roost potential.** Row of mature trees comprising horse chestnut and occasional sycamore.
49	Hybrid black-poplar hedge. Field margins include locally abundant wild oat and stinging nettle with frequent or locally frequent barren brome, black grass, spear thistle, common mallow, field bindweed and cleavers.
50	Leylandii hedge. Field margins include abundant or locally abundant false oat-grass, field horsetail with frequent cock's-foot, field bindweed hogweed and American

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	willowherb with occasional common poppy, nipplewort and creeping thistle.
51	Length of species-poor hedgerow dominated by hawthorn. Species recorded from field margin include abundant false oat-grass and frequent Yorkshire fog and barren brome with rare white campion, goat's beard, wild carrot, perforate St John's-wort, dandelion, black knapweed and great willowherb.
52	Length of species-poor hedgerow dominated by hawthorn. Species recorded along field margin include abundant false oat-grass, frequent or locally frequent Yorkshire fog, ivy and field bindweed. With occasional yarrow, mugwort, creeping cinquefoil, great willowherb and hogweed.
53	Species-poor hedgerow dominated by hawthorn with rare elder, bramble and ivy. Species recorded from field margin include frequent or locally frequent wild oat, black grass, stinging nettle, cleavers and cow parsley with occasional ivy, creeping thistle and ground ivy.
54	Species-poor hedgerow dominated by hawthorn and field maple with rare whitebeam and ash. Field margin species recorded include frequent false oat-grass and ribwort plantain with rare soft brome, Yorkshire fog, yarrow and occasional field bindweed, cow parsley and ivy.
55	Airfield memorial.
56	Earth bank behind memorial. Species recorded from grassland include abundant hedge bindweed and ribwort plantain, frequent or locally frequent hogweed, perennial rye-grass, common bird's-foot trefoil and Yorkshire fog and rare wild carrot and goats beard.
57	Arable field planted with maize, small area recently cleared. Species recorded around margins and on bare earth include lesser swine-cress, scented mayweed, bristly ox-tongue, wild oat, redshank, scentless mayweed, hemlock and annual meadow grass.
58	Narrow strip bordering fenced compound. Species recorded include abundant false oat-grass, locally abundant cleavers, frequent stinging nettle and bramble; locally frequent creeping thistle, occasional field bindweed and common couch and rare sycamore.
59	Line of ash and sycamore with ivy, greater burdock, fool's parsley (*Aethusa cynapium*), white dead nettle, false oat-grass, cow parsley, hogweed, bramble and ground ivy.
60	Defunct hedge reverting to scrub bordering new development. Scrub dominated by blackthorn, elder and bramble with occasional white bryony and buddleja. Species recorded in field layer include locally dominant ivy, abundant stinging nettle, frequent greater burdock, and occasional hemlock, hedge mustard, spear-leaved willowherb (*Epilobium lanceolatum*), nipplewort, perennial sow-thistle, ivy, lord's-and-ladies and black nightshade

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	(*Solanum nigrum*).
61	Leylandii hedge with locally frequent blackthorn, occasional hawthorn, white bryony and elder. Species recorded along grassy strip bordering hedge include ivy, false oat-grass, wild oat, ground ivy, stinging nettle, common couch, wall barley, common mallow, hemlock, smooth sow-thistle, shepherd's purse, annual meadow grass, field bindweed, knotgrass, spear thistle, creeping thistle and common orache (*Atriplex patula*).
62	Area around large spoil mound. Species recorded include creeping thistle, common ragwort, bramble, Himalayan honeysuckle (*Leycesteria formosa*), false oat-grass, Yorkshire fog, stinging nettle, bristly ox-tongue, hoary willowherb, ground ivy, barren brome, great willowherb, meadow fescue (*Schedonorus pratensis*), bent sp, garlic mustard, black horehound, ribwort plantain and hogweed.
63	Recently planted woodland bordering industrial units. Tree and shrub species recorded include cherry, field maple, pedunculate oak, beech, privet, apple, alder sp, sycamore ash, hawthorn, blackthorn, lime sp, hazel, holly, sweet chestnut, elder, dogwood, grey/goat willow, buddleja and bramble. Away from field edges very sparse ground flora including stinging nettle, bramble, hogweed, Yorkshire fog, traveller's joy, bristly ox-tongue, mugwort, false oat-grass, ivy and cow parsley.
64	Area recently cleared for car parking.
65	Field boundary marked by line of hybrid black poplar. Other tree and shrub species present include hawthorn, sycamore, ash, horse chestnut, English elm, narrow-leaved ash, hawthorn, field maple, hazel and holly. Ground flora is dominated by ivy and bramble. Other species recorded include stinging nettle, ground ivy, tansy (*Tanacetum vulgare*), white bryony, lord's-and-ladies, hogweed, common fleabane, creeping thistle, hedge bedstraw and greater plantain.
66	Recent planting on bund surrounding compound. Shrub species a mix of laurel, dogwood, hawthorn, hazel and dog rose. Field layer includes hogweed, large bindweed (*Calystegia silvatica*), comfrey sp (*Symphytum* sp), greater burdock, common couch, creeping thistle, false oat-grass, stinging nettle, black nightshade, common fleabane, common poppy, black knapweed and cock's-foot.
67	Roadside verge. Species recorded include false oat-grass, field bindweed, hogweed, cock's-foot, Yorkshire fog, common ragwort, bristly ox-tongue, cow parsley, spear thistle, stinging nettle, creeping thistle, common sorrel (*Rumex acetosa*), field horsetail, white dead nettle, cranes-bill sp (*Geranium* sp), hedge bedstraw, black knapweed, prickly sow-thistle, great willowherb, perennial

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	rye-grass and yarrow.
68	Hedgerow dominated by hawthorn. Other species recorded include occasional blackthorn, field maple, sycamore, willow, holly and ash. Species noted along base of hedgerow include false oat-grass, cow parsley, cock's-foot, common ragwort, common fleabane, bristly ox-tongue, field bindweed, yarrow, Yorkshire fog and broad-leaved dock.
69	Planted woodland strip along access track. Tree and shrub species recorded include field maple, lime, cherry, pedunculate oak, hazel, hawthorn, sweet chestnut, ash, silver birch, willow, holm oak and holly. Ground flora includes bramble, false oat-grass, hogweed, wild carrot, common fleabane, creeping bent, hemp agrimony, rosebay willowherb, cock's-foot and common ragwort.
70	Landscape planting with fenced car park includes dogwood and hawthorn. Species recorded along field margin include bristly ox-tongue, hogweed, false oat-grass, creeping thistle, white dead nettle, cow parsley, common fleabane, creeping bent and great willowherb.

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Appendix 4: Bird species recorded during Phase 1 survey

Species[1]	BoCC list	Scientific name
Grey partridge	Red	*Perdix perdix*
Greenfinch	Green	*Carduelis chloris*
Yellowhammer	Red	*Emberiza citrinella*
Mediterranean gull	Amber	*Larus melanocephalus*
House sparrow	Red	*Passer domesticus*
House martin	Amber	*Delichon urbica*
Whitethroat	Amber	*Sylvia communis*
Goldfinch	Green	*Carduelis carduelis*
Green woodpecker	Amber	*Picus viridis*
Skylark	Red	*Alauda arvensis*
Blue tit	Green	*Parus caeruleus*
Dunnock	Amber	*Prunella modularis*
Swift	Amber	*Apus apus*
Herring gull	Red	*Larus argentatus argenteus*
Black-headed gull	Amber	*Larus ridibundus*
Magpie	Green	*Pica pica*
Collard dove	Green	*Streptopelia decaocto*
Common buzzard	Green	*Buteo buteo*
Swallow	Amber	*Hirundo rustica*
Wren	Green	*Troglodytes troglodytes*
Common gull	Amber	*Larus canus*
Blackbird	Green	*Turdus merula*
Starling	Red	*Sturnus vulgaris*
Chaffinch	Green	*Fringilla coelebs*
Robin	Green	*Erithacus rubecula*
Song thrush	Red	*Turdus philomelos*
Woodpigeon	Green	*Columba palumbus*
Goldcrest	Green	*Regulus regulus*
Coal tit	Green	*Periparus ater*
Lesser black-backed gull	Amber	*Larus fuscus*
Blackcap	Green	*Sylvia atricapilla*
Carrion crow	Green	*Corvus corone corone*
Grey wagtail	Amber	*Motacilla cinerea*
Great black-backed gull	Amber	*Larus marinus*
Kestrel	Amber	*Falco tinnunculus*
Pied wagtail	Green	*Motacilla alba*
Ringed plover	Amber	*Charadrius hiaticula*
Linnet	Red	*Carduelis cannabina*
Hobby	Green	*Falco subbuteo*
Chiffchaff	Green	*Phylloscopus collybita*
Sparrowhawk	Green	*Accipiter nisus*

[1] The Birds of Conservation Concern (BoCC) lists highlight bird species of conservation concern due to declines in population, breeding and wintering ranges or due to localised populations. Red list species are those where the declines in numbers or range has been greatest.

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Appendix 5: Butterfly species recorded during Phase 1 survey

Species	Scientific name
Gatekeeper	*Pyronia tithonus*
Small tortoiseshell	*Aglais urticae*
Ringlet	*Aphantopus hyperantus*
Meadow brown	*Maniola jurtina*
Large skipper	*Ochlodes sylvanus*
Large white	*Pieris brassicae*
Marbled white	*Melanargia galathea*
Comma	*Polygonia c-album*
Red admiral	*Vanessa atalanta*
Small skipper	*Thymelicus sylvestris*
Peacock	*Aglais io*
Painted lady	*Vanessa cardui*
Common blue	*Polyommatus icarus*
Speckled wood	*Pararge aegeria*

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